



Job Order Contract Construction Task Catalog®

CSI Divisions 01-50 2025

**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 2025.
- ☑ 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
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- ☑ 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.



General Requirements			01
Summary			01 10
Summary Of Work			01 11

10

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

01 10 Summary ⁽⁰¹⁾

01 11 Summary Of Work ^(01 10)

01 11 13 Work Covered by Contract Documents ^(01 11)

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents 0.00

Note: For specification publishing. Review specifications for requirements.

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

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

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

01 22 16 00-0002 EA Negotiated Travel Costs 1.00

Note: Supporting documentation must be included with each Work Order.

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

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

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 ^(01 22)

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

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 96.21

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 4.81

For Apprentice, Deduct -19.24

01 22 20 00-0003 HR Brick Layer 113.33

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.67

For Apprentice, Deduct -22.67

01 22 20 00-0004 HR Carpenter 134.38

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 6.72

For Apprentice, Deduct -26.88

01 22 20 00-0005 HR Carpenter, Bridge Builder 150.32

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.52

For Apprentice, Deduct -30.06

01 22 20 00-0006 HR Cement Mason 100.88

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 5.04

For Apprentice, Deduct -20.18

01 22 20 00-0007 HR Electrician, (Inside Wireman) 128.89

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 6.44

For Apprentice, Deduct -25.78

01 22 20 00-0008 HR Electrician, Cable Splicer 141.33

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.07

For Apprentice, Deduct -28.27

01 22 20 00-0009 HR Electrical Groundman 141.33

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 7.07

For Apprentice, Deduct -28.27

01 22 20 00-0010 HR High Voltage Electrician, (Utility Lineman) 140.16

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add 7.01

For Apprentice, Deduct -28.03

01 22 20 00-0011 HR Communication And System Technician 121.53

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreperson, Add -24.31

01 22 20 00-0012 HR Equipment Operator, Crane (Group 1-A) 135.25

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013 HR Equipment Operator, Crane (Group 2-A).....	132.68	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.63	
01 22 20 00-0014 HR Equipment Operator, Crane (Group 3-A).....	130.15	
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).....	129.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.48	
For Apprentice, Deduct	-25.92	
01 22 20 00-0016 HR Equipment Operator, Medium (Group 4).....	127.56	
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).....	125.71	
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).....	123.79	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.19	
For Apprentice, Deduct	-24.76	
01 22 20 00-0019 HR Equipment Operator, Light (Group 7).....	122.13	
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).....	120.46	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0021 HR Laborer.....	91.77	
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.....	91.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0023 HR Millwright.....	130.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.54	
For Apprentice, Deduct	-26.16	
01 22 20 00-0024 HR Mold Removal Worker.....	95.85	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.79	
For Apprentice, Deduct	-19.17	
01 22 20 00-0025 HR Painter, Ordinary.....	109.82	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.49	
For Apprentice, Deduct	-21.96	
01 22 20 00-0026 HR Painter, Structural Steel.....	114.13	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.71	
For Apprentice, Deduct	-22.83	
01 22 20 00-0027 HR Pile Drivers.....	144.31	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.22	
For Apprentice, Deduct	-28.86	
01 22 20 00-0028 HR Plasterer.....	121.15	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.06	
For Apprentice, Deduct	-24.23	
01 22 20 00-0029 HR Plumber.....	128.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.42	
For Apprentice, Deduct	-25.67	
01 22 20 00-0030 HR Powderman.....	96.23	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.81	
For Apprentice, Deduct	-19.25	
01 22 20 00-0031 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	109.97	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.50	
For Apprentice, Deduct	-21.99	
01 22 20 00-0032 HR Sheet Metal Worker.....	137.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.88	
For Apprentice, Deduct	-27.52	
01 22 20 00-0033 HR Stone Mason.....	113.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.67	
For Apprentice, Deduct	-22.67	
01 22 20 00-0034 HR Iron Worker (Structural).....	113.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.67	
For Apprentice, Deduct	-22.67	
01 22 20 00-0035 HR Tile Layer.....	108.45	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.42	
For Apprentice, Deduct	-21.69	
01 22 20 00-0036 HR Terrazzo Worker.....	120.03	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.00	
For Apprentice, Deduct	-24.01	
01 22 20 00-0037 HR Truck Driver, Light (Group 1).....	99.04	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.95	
For Apprentice, Deduct	-19.81	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0038 HR Truck Driver, Medium (Group 2).....	99.49	
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).....	99.93	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.00	
For Apprentice, Deduct	-19.99	
01 22 20 00-0040 HR Truck Driver, Heavy (Group 4).....	100.46	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0041 HR D1 Certified Welder	131.60	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0042 Rates For Services (01 22 20)		
01 22 20 00-0043 HR Watch/Guard Person, Unarmed.....	32.36	
01 22 20 00-0044 HR Watch/Guard Person, Armed.....	45.82	
01 22 20 00-0045 HR Senior Surveyor (Party Chief).....	135.19	
01 22 20 00-0046 HR Surveyor (Instrument person).....	121.97	
01 22 20 00-0047 HR Surveyor (Rod Person).....	119.83	
01 22 20 00-0048 HR On-Site Certified Materials Testing Technician.....	97.28	
01 22 20 00-0049 HR Certified Industrial Hygienist.....	131.08	
01 22 20 00-0050 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.70	
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 00-0051 EA Security Badge, Processing Fee.....	92.99	
01 22 20 00-0052 HR Biologist.....	132.00	
01 22 20 00-0053 HR Ecologist.....	145.00	
01 22 20 00-0054 HR Fire Watch Laborer.....	91.77	
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.		
01 22 20 00-0055 Rates For Project Management Services (01 22 20)		
Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0056 HR Project Manager	160.00	
01 22 20 00-0057 Rates For Architectural And Engineering Services (01 22 20)		
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 00-0058 HR Principal Architect.....	243.20	
01 22 20 00-0059 HR Senior Architect	179.20	
01 22 20 00-0060 HR Architect.....	140.80	
01 22 20 00-0061 HR Principal Engineer.....	209.92	
01 22 20 00-0062 HR Senior Engineer.....	174.08	
01 22 20 00-0063 HR Engineer.....	136.96	
01 22 20 00-0064 HR Draft Person.....	71.68	
01 22 20 00-0065 Rates For Traffic Control (01 22 20)		
01 22 20 00-0066 HR Flagperson For Traffic Control.....	91.77	
01 22 20 00-0067 DAY Pilot Vehicle With Driver	1,145.81	
Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0068 HR Highway Patrol Officer With Car	50.82	
For Each Mile, Add	0.70	
01 22 20 00-0069 HR Highway Patrol Officer With Motorcycle.....	48.32	
For Each Mile, Add	0.70	
01 22 20 00-0070 HR Highway Patrol Sergeant Officer With Car.....	59.98	
For Each Mile, Add	0.70	
01 22 20 00-0071 HR Highway Patrol Sergeant Officer With Motorcycle	57.48	
For Each Mile, Add	0.70	
01 22 20 00-0072 Mobilize Equipment (01 22 20)		
01 22 20 00-0073 HR Escort Vehicle With Driver	103.50	
01 22 20 00-0074 HR Transport Vehicle With Driver.....	139.96	
01 22 23 Equipment Usage (01 22)		
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 00-0065 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Man Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0004		Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003) 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	463.48	
		For Four-Wheel Drive, Add	104.28	
		For Half Day Usage, Deduct	-144.84	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,166.18	
		For Four-Wheel Drive, Add	262.39	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,616.42	
		For Four-Wheel Drive, Add	588.69	
		For >6 Months (>26 Weeks), Deduct	-104.66	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	680.27	
		For Four-Wheel Drive, Add	153.06	
		For Half Day Usage, Deduct	-212.58	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,622.18	
		For Four-Wheel Drive, Add	364.99	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,550.86	
		For Four-Wheel Drive, Add	798.94	
		For >6 Months (>26 Weeks), Deduct	-142.03	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,323.16	
		For Four-Wheel Drive, Add	297.71	
		For Half Day Usage, Deduct	-413.49	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,206.99	
		For Four-Wheel Drive, Add	721.57	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,727.95	
		For Four-Wheel Drive, Add	1,513.79	
		For >6 Months (>26 Weeks), Deduct	-269.12	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,883.83	
		For Four-Wheel Drive, Add	423.86	
		For Half Day Usage, Deduct	-588.70	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,536.13	
		For Four-Wheel Drive, Add	1,020.63	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,302.96	
		For Four-Wheel Drive, Add	2,543.17	
		For >6 Months (>26 Weeks), Deduct	-452.12	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,294.98	
		For Four-Wheel Drive, Add	516.37	
		For Half Day Usage, Deduct	-717.18	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,853.32	
		For Four-Wheel Drive, Add	1,317.00	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	13,306.39	
		For Four-Wheel Drive, Add	2,993.94	
		For >6 Months (>26 Weeks), Deduct	-532.26	
01 22 23 00-0020		Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0021		Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020) 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	414.48	
		For Half Day Usage, Deduct	-129.53	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
		For >6 Months (>26 Weeks), Deduct	-100.08	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	527.52	
		For Half Day Usage, Deduct	-164.85	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,153.01	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,862.17	
		For >6 Months (>26 Weeks), Deduct	-114.49	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	678.24	
		For Half Day Usage, Deduct	-211.95	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,567.49	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,504.24	
		For >6 Months (>26 Weeks), Deduct	-140.17	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,183.15	
		For Half Day Usage, Deduct	-369.73	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,788.32	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,780.89	
		For >6 Months (>26 Weeks), Deduct	-271.24	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,298.48	
		For Half Day Usage, Deduct	-718.28	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,425.92	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,263.36	
		For >6 Months (>26 Weeks), Deduct	-530.53	
01 22 23 00-0037		Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020) Note: For use on paved surfaces.		
01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
		For Half Day Usage, Deduct	-129.53	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95		
	For >6 Months (>26 Weeks), Deduct	-100.08		
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48		
	For Half Day Usage, Deduct	-129.53		
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97		
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95		
	For >6 Months (>26 Weeks), Deduct	-100.08		
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45		
	For Half Day Usage, Deduct	-160.14		
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,107.79		
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,750.64		
	For >6 Months (>26 Weeks), Deduct	-110.03		
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45		
	For Half Day Usage, Deduct	-160.14		
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,107.79		
01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,750.64		
	For >6 Months (>26 Weeks), Deduct	-110.03		
01 22 23 00-0050	Platform Lifts (01 22 23 00-0001)			
	Note: Excludes operator, delivery, set-up, and removal.			
01 22 23 00-0051	Electric, Scissor Platform Lifts (01 22 23 00-0050)			
	Note: For use on paved surfaces.			
01 22 23 00-0052	DAY 17' Electric, Scissor Platform Lift	191.65		
	For Half Day Usage, Deduct	-59.89		
01 22 23 00-0053	WK 17' Electric, Scissor Platform Lift	383.31		
01 22 23 00-0054	MO 17' Electric, Scissor Platform Lift	784.04		
	For >6 Months (>26 Weeks), Deduct	-31.36		
01 22 23 00-0055	DAY 20' Electric, Scissor Platform Lift	209.08		
	For Half Day Usage, Deduct	-65.34		
01 22 23 00-0056	WK 20' Electric, Scissor Platform Lift	418.15		
01 22 23 00-0057	MO 20' Electric, Scissor Platform Lift	836.30		
	For >6 Months (>26 Weeks), Deduct	-33.45		
01 22 23 00-0058	DAY 25' Electric, Scissor Platform Lift	270.06		
	For Half Day Usage, Deduct	-84.39		
01 22 23 00-0059	WK 25' Electric, Scissor Platform Lift	540.11		
01 22 23 00-0060	MO 25' Electric, Scissor Platform Lift	1,158.63		
	For >6 Months (>26 Weeks), Deduct	-46.35		
01 22 23 00-0061	DAY 30' Electric, Scissor Platform Lift	348.46		
	For Half Day Usage, Deduct	-108.89		
01 22 23 00-0062	WK 30' Electric, Scissor Platform Lift	688.21		
01 22 23 00-0063	MO 30' Electric, Scissor Platform Lift	1,524.51		
	For >6 Months (>26 Weeks), Deduct	-60.98		
01 22 23 00-0064	DAY 33' Electric, Scissor Platform Lift	374.59		
	For Half Day Usage, Deduct	-117.06		
01 22 23 00-0065	WK 33' Electric, Scissor Platform Lift	731.77		
01 22 23 00-0066	MO 33' Electric, Scissor Platform Lift	1,655.18		
	For >6 Months (>26 Weeks), Deduct	-66.21		
01 22 23 00-0067	DAY 40' Electric, Scissor Platform Lift	487.84		
	For Half Day Usage, Deduct	-152.45		
01 22 23 00-0068	WK 40' Electric, Scissor Platform Lift	1,210.90		
01 22 23 00-0069	MO 40' Electric, Scissor Platform Lift	3,371.35		
	For >6 Months (>26 Weeks), Deduct	-134.85		
01 22 23 00-0070	Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)			
	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.....	475.90		
	For Four-Wheel Drive, Add	95.18		
	For Half Day Usage, Deduct	-148.72		
01 22 23 00-0072	WK 25' Engine Powered, Scissor Platform Lift.....	930.64		
	For Four-Wheel Drive, Add	186.13		
01 22 23 00-0073	MO 25' Engine Powered, Scissor Platform Lift.....	2,273.73		
	For Four-Wheel Drive, Add	454.75		
	For >6 Months (>26 Weeks), Deduct	-90.95		
01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift.....	486.47		
	For Four-Wheel Drive, Add	97.29		
	For Half Day Usage, Deduct	-152.02		
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift.....	1,110.43		
	For Four-Wheel Drive, Add	222.09		
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift.....	2,432.36		
	For Four-Wheel Drive, Add	486.47		
	For >6 Months (>26 Weeks), Deduct	-97.29		
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift.....	539.35		
	For Four-Wheel Drive, Add	107.87		
	For Half Day Usage, Deduct	-168.55		
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift.....	1,237.33		
	For Four-Wheel Drive, Add	247.47		
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift.....	2,749.63		
	For Four-Wheel Drive, Add	549.93		
	For >6 Months (>26 Weeks), Deduct	-109.99		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For Half Day Usage, Deduct	571.08 114.22 -178.46	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For Half Day Usage, Deduct	1,332.51 266.50 -327.40	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For >6 Months (>26 Weeks), Deduct	3,278.40 655.68 -131.14	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For Half Day Usage, Deduct	1,068.13 213.63 -333.79	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For Half Day Usage, Deduct	2,347.76 469.55 -577.22	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift For Four-Wheel Drive, Add For >6 Months (>26 Weeks), Deduct	5,774.22 1,154.84 -230.97	
01 22 23 00-0086 Personnel Lifts (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 For Half Day Usage, Deduct	156.80 -49.00	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	444.26	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	897.23 -35.89	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift For Half Day Usage, Deduct	217.78 -68.06	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	461.68	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	1,567.98 -62.72	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift For Half Day Usage, Deduct	365.86 -114.33	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	888.52	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	2,595.88 -103.84	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift For Half Day Usage, Deduct	392.00 -122.50	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	975.63	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	2,935.61 -117.42	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift For Half Day Usage, Deduct	209.06 -65.33	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	418.13	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	836.26 -33.45	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift For Half Day Usage, Deduct	209.06 -65.33	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	418.13	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift For >6 Months (>26 Weeks), Deduct	869.36 -34.77	
01 22 23 00-0105 Bucket Trucks (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 For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,410.42 -799.48 -590.66	
01 22 23 00-0107 WK 29' To 33' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	5,830.21 -3,997.39 -614.96	
01 22 23 00-0108 MO 29' To 33' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	21,987.38 -17,322.02 -186.61	
01 22 23 00-0109 DAY 38' To 41' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,488.18 -799.48 -614.96	
01 22 23 00-0110 WK 38' To 41' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	6,080.14 -3,997.39 -614.96	
01 22 23 00-0111 MO 38' To 41' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	22,653.86 -17,322.02 -213.27	
01 22 23 00-0112 DAY 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,688.12 -799.48 -677.44	
01 22 23 00-0113 WK 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	6,441.15 -3,997.39 -614.96	
01 22 23 00-0114 MO 45' To 48' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	23,431.42 -17,322.02 -244.38	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,132.44 -799.48 -816.29	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	7,885.19 -3,997.39	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator.....	27,319.22		
	For Equipment Without Operator, Deduct	-17,322.02		
	For >6 Months (>26 Weeks), Deduct	-399.89		
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator.....	2,354.60		
	For Equipment Without Operator, Deduct	-799.48		
	For Half Day Usage, Deduct	-885.72		
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator.....	8,662.75		
	For Equipment Without Operator, Deduct	-3,997.39		
01 22 23 00-0120	MO 85' Bucket Truck With Full-Time Operator.....	30,096.22		
	For Equipment Without Operator, Deduct	-17,322.02		
	For >6 Months (>26 Weeks), Deduct	-510.97		
01 22 23 00-0121	Day 105' Bucket Truck With Full-Time Operator.....	2,465.68		
	For Equipment Without Operator, Deduct	-799.48		
	For Half Day Usage, Deduct	-920.43		
01 22 23 00-0122	WK 105' Bucket Truck With Full-Time Operator.....	8,995.99		
	For Equipment Without Operator, Deduct	-3,997.39		
01 22 23 00-0123	MO 105' Bucket Truck With Full-Time Operator.....	30,362.81		
	For Equipment Without Operator, Deduct	-17,322.02		
	For >6 Months (>26 Weeks), Deduct	-521.63		
01 22 23 00-0124	Air Equipment (01 22 23)			
01 22 23 00-0125	Air Compressors (01 22 23 00-0124)			
	Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-0126	DAY 100 CFM Diesel Powered Portable Air Compressor.....	172.85		
	For Half Day Usage, Deduct	-54.02		
01 22 23 00-0127	WK 100 CFM Diesel Powered Portable Air Compressor.....	518.56		
01 22 23 00-0128	MO 100 CFM Diesel Powered Portable Air Compressor.....	1,440.44		
	For >6 Months (>26 Weeks), Deduct	-57.62		
01 22 23 00-0129	DAY 130 CFM Diesel Powered Portable Air Compressor.....	207.42		
	For Half Day Usage, Deduct	-64.82		
01 22 23 00-0130	WK 130 CFM Diesel Powered Portable Air Compressor.....	610.75		
01 22 23 00-0131	MO 130 CFM Diesel Powered Portable Air Compressor.....	1,728.52		
	For >6 Months (>26 Weeks), Deduct	-69.14		
01 22 23 00-0132	DAY 185 CFM Diesel Powered Portable Air Compressor.....	276.56		
	For Half Day Usage, Deduct	-86.43		
01 22 23 00-0133	WK 185 CFM Diesel Powered Portable Air Compressor.....	622.27		
01 22 23 00-0134	MO 185 CFM Diesel Powered Portable Air Compressor.....	1,371.30		
	For >6 Months (>26 Weeks), Deduct	-54.85		
01 22 23 00-0135	DAY 375 CFM Diesel Powered Portable Air Compressor.....	391.80		
	For Half Day Usage, Deduct	-122.44		
01 22 23 00-0136	WK 375 CFM Diesel Powered Portable Air Compressor.....	991.02		
01 22 23 00-0137	MO 375 CFM Diesel Powered Portable Air Compressor.....	2,362.32		
	For >6 Months (>26 Weeks), Deduct	-94.49		
01 22 23 00-0138	DAY 600 CFM Diesel Powered Portable Air Compressor.....	871.18		
	For Half Day Usage, Deduct	-272.24		
01 22 23 00-0139	WK 600 CFM Diesel Powered Portable Air Compressor.....	2,097.28		
01 22 23 00-0140	MO 600 CFM Diesel Powered Portable Air Compressor.....	5,227.06		
	For >6 Months (>26 Weeks), Deduct	-209.08		
01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor.....	1,048.64		
	For Half Day Usage, Deduct	-327.70		
01 22 23 00-0142	WK 750 CFM Diesel Powered Portable Air Compressor.....	2,581.26		
01 22 23 00-0143	MO 750 CFM Diesel Powered Portable Air Compressor.....	6,337.92		
	For >6 Months (>26 Weeks), Deduct	-253.52		
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor.....	1,048.64		
	For Half Day Usage, Deduct	-327.70		
01 22 23 00-0145	WK 825 CFM Diesel Powered Portable Air Compressor.....	2,581.26		
01 22 23 00-0146	MO 825 CFM Diesel Powered Portable Air Compressor.....	6,337.92		
	For >6 Months (>26 Weeks), Deduct	-253.52		
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,221.49		
	For Half Day Usage, Deduct	-381.72		
01 22 23 00-0148	WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,737.98		
01 22 23 00-0149	MO 1,300 CFM Diesel Powered Portable Air Compressor.....	7,301.29		
	For >6 Months (>26 Weeks), Deduct	-292.05		
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,521.10		
	For Half Day Usage, Deduct	-475.34		
01 22 23 00-0151	WK 1,600 CFM Diesel Powered Portable Air Compressor.....	3,422.48		
01 22 23 00-0152	MO 1,600 CFM Diesel Powered Portable Air Compressor.....	9,126.61		
	For >6 Months (>26 Weeks), Deduct	-365.06		
01 22 23 00-0153	Portable Negative Air Machines (01 22 23 00-0124)			
	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.....	109.47		
	For Half Day Usage, Deduct	-34.21		
01 22 23 00-0155	WK Up To 2,000 CFM, Portable Negative Air Machine.....	449.63		
01 22 23 00-0156	MO Up To 2,000 CFM, Portable Negative Air Machine.....	1,358.66		
	For >6 Months (>26 Weeks), Deduct	-54.35		
01 22 23 00-0157	EA First Stage Pre-Filter For Portable Negative Air Machines.....	13.83		
01 22 23 00-0158	EA Second Stage Pre-Filter For Portable Negative Air Machines.....	28.31		
01 22 23 00-0159	EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	134.99		

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01 22 23 00-0160	LF		Flexible Exhaust Duct For Portable Negative Air Machines.....	2.49	
01 22 23 00-0161			Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0162			Pavers And Rollers (01 22 23 00-0161) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0163			Pavers (01 22 23 00-0162)		
01 22 23 00-0164	DAY		10' Wide Paving Machine With Full-Time Operator	4,592.19	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-1,629.43	
01 22 23 00-0165	WK		10' Wide Paving Machine With Full-Time Operator	19,405.34	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0166	MO		10' Wide Paving Machine With Full-Time Operator	73,254.70	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-2,031.79	
01 22 23 00-0167			Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0162)		
01 22 23 00-0168	DAY		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,399.00	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-631.55	
01 22 23 00-0169	WK		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,279.11	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0170	MO		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,435.34	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-119.01	
01 22 23 00-0171	DAY		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,538.86	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-675.26	
01 22 23 00-0172	WK		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	7,319.20	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0173	MO		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	27,005.64	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-181.82	
01 22 23 00-0174	DAY		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,545.22	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-677.25	
01 22 23 00-0175	WK		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,905.96	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0176	MO		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	27,310.80	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-194.03	
01 22 23 00-0177			Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0162)		
01 22 23 00-0178	DAY		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,456.22	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-649.44	
01 22 23 00-0179	WK		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,346.50	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0180	MO		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,823.15	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-134.52	
01 22 23 00-0181	DAY		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,723.23	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-732.88	
01 22 23 00-0182	WK		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,886.89	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0183	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,526.96	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-202.68	
01 22 23 00-0184	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,786.80	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-752.74	
01 22 23 00-0185	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,287.41	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0186	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,645.88	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-247.43	
01 22 23 00-0187			Towed, Padfoot Rollers (01 22 23 00-0162)		
01 22 23 00-0188	DAY		48" Wide, 40" Diameter, Towed Padfoot Roller	120.79	
			For Half Day Usage, Deduct	-37.75	
01 22 23 00-0189	WK		48" Wide, 40" Diameter, Towed Padfoot Roller	349.66	
01 22 23 00-0190	MO		48" Wide, 40" Diameter, Towed Padfoot Roller	1,029.92	
			For >6 Months (>26 Weeks), Deduct	-41.20	
01 22 23 00-0191	DAY		60" Wide, 60" Diameter, Towed Padfoot Roller	152.58	
			For Half Day Usage, Deduct	-47.68	
01 22 23 00-0192	WK		60" Wide, 60" Diameter, Towed Padfoot Roller	425.95	
01 22 23 00-0193	MO		60" Wide, 60" Diameter, Towed Padfoot Roller	1,811.89	
			For >6 Months (>26 Weeks), Deduct	-72.48	



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01 22 23 00-0194 Static Rollers (01 22 23 00-0162)			
01 22 23 00-0195 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,488.00		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-659.37		
01 22 23 00-0196 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,619.88		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0197 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,719.55		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-170.38		
01 22 23 00-0198 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,627.87		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-703.08		
01 22 23 00-0199 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,001.32		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0200 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,774.90		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-212.59		
01 22 23 00-0201 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0162)			
01 22 23 00-0202 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,284.56		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-595.79		
01 22 23 00-0203 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,907.84		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0204 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,367.28		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-76.29		
01 22 23 00-0205 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,379.92		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-625.59		
01 22 23 00-0206 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,193.92		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0207 MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,130.18		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-106.81		
01 22 23 00-0208 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,443.50		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-645.46		
01 22 23 00-0209 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,384.65		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0210 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,638.78		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-127.15		
01 22 23 00-0211 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,526.15		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-671.29		
01 22 23 00-0212 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,626.23		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0213 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,268.17		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-152.33		
01 22 23 00-0214 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,691.44		
For Equipment Without Operator, Deduct	-1,036.62		
For Half Day Usage, Deduct	-722.94		
01 22 23 00-0215 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,109.40		
For Equipment Without Operator, Deduct	-5,183.08		
01 22 23 00-0216 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,546.03		
For Equipment Without Operator, Deduct	-22,460.03		
For >6 Months (>26 Weeks), Deduct	-203.44		
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.....	59.66		
01 22 23 00-0219 DAY 1" x 4' x 8' Steel Plate	44.88		
01 22 23 00-0220 WK 1" x 4' x 8' Steel Plate	105.98		
01 22 23 00-0221 MO 1" x 4' x 8' Steel Plate	139.47		
For >6 Months (>26 Weeks), Deduct	-5.58		
01 22 23 00-0222 DAY 1" x 4' x 10' Steel Plate	59.85		
01 22 23 00-0223 WK 1" x 4' x 10' Steel Plate	134.65		
01 22 23 00-0224 MO 1" x 4' x 10' Steel Plate	164.58		
For >6 Months (>26 Weeks), Deduct	-6.58		
01 22 23 00-0225 DAY 1" x 5' x 10' Steel Plate	62.34		
01 22 23 00-0226 WK 1" x 5' x 10' Steel Plate	140.89		
01 22 23 00-0227 MO 1" x 5' x 10' Steel Plate	374.04		
For >6 Months (>26 Weeks), Deduct	-14.96		
01 22 23 00-0228 DAY 1" x 6' x 8' Steel Plate	39.90		
01 22 23 00-0229 WK 1" x 6' x 8' Steel Plate	89.77		

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01 22 23 00-0230	MO	1" x 6' x 8' Steel Plate	239.39	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-9.58	
01 22 23 00-0231	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0232	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0233	MO	1" x 6' x 10' Steel Plate	263.07	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-10.52	
01 22 23 00-0234	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0235	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0236	MO	1" x 6' x 12' Steel Plate	362.82	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-14.51	
01 22 23 00-0237	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0238	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0239	MO	1" x 8' x 10' Steel Plate	395.24	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-15.81	
01 22 23 00-0240	DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0241	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0242	MO	1" x 8' x 12' Steel Plate	718.16	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.73	
01 22 23 00-0243	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0244	WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0245	MO	1" x 8' x 16' Steel Plate	957.54	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-38.30	
01 22 23 00-0246	DAY	1-1/4" x 8' x 10' Steel Plate	79.30	
01 22 23 00-0247	WK	1-1/4" x 8' x 10' Steel Plate	178.04	
01 22 23 00-0248	MO	1-1/4" x 8' x 10' Steel Plate	474.28	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-18.97	
01 22 23 00-0249	DAY	1-1/2" x 8' x 15' Steel Plate	183.53	
01 22 23 00-0250	WK	1-1/2" x 8' x 15' Steel Plate	412.94	
01 22 23 00-0251	MO	1-1/2" x 8' x 15' Steel Plate	1,101.17	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-44.05	
01 22 23 00-0252	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.62	1.14
01 22 23 00-0253	EA	Removal And Resetting Of Steel Roadway Plate	33.15	
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	1,210.65	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-564.01	
01 22 23 00-0256	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,824.65	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0257	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	24,567.37	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-124.43	
01 22 23 00-0258	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	2,569.05	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-988.51	
01 22 23 00-0259	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	11,275.21	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0260	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	44,024.31	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-902.71	
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.				
01 22 23 00-0263	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,382.98	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-617.86	
01 22 23 00-0264	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,981.66	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0265	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,937.45	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-99.24	
01 22 23 00-0266	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,486.49	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-650.21	
01 22 23 00-0267	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,168.96	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0268	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,348.20	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-115.67	
01 22 23 00-0269	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,516.06	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-659.45	
01 22 23 00-0270	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,438.42	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	



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01 22 23 00-0271	MO		2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,062.90	
			For Equipment Without Operator, Deduct	-21,456.52	
			For >6 Months (>26 Weeks), Deduct	-144.26	
01 22 23 00-0272	DAY		2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,631.07	
			For Equipment Without Operator, Deduct	-990.30	
			For Half Day Usage, Deduct	-695.39	
01 22 23 00-0273	WK		2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,816.30	
			For Equipment Without Operator, Deduct	-4,951.50	
01 22 23 00-0274	MO		2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,311.58	
			For Equipment Without Operator, Deduct	-21,456.52	
			For >6 Months (>26 Weeks), Deduct	-194.20	
01 22 23 00-0275	DAY		3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,828.23	
			For Equipment Without Operator, Deduct	-990.30	
			For Half Day Usage, Deduct	-757.00	
01 22 23 00-0276	WK		3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,563.87	
			For Equipment Without Operator, Deduct	-4,951.50	
01 22 23 00-0277	MO		3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	28,151.74	
			For Equipment Without Operator, Deduct	-21,456.52	
			For >6 Months (>26 Weeks), Deduct	-267.61	
01 22 23 00-0278	DAY		Hydraulic Hammer Attachment For Skid-Steer Loaders	328.60	
			For Half Day Usage, Deduct	-102.69	
01 22 23 00-0279	WK		Hydraulic Hammer Attachment For Skid-Steer Loaders	1,092.60	
01 22 23 00-0280	MO		Hydraulic Hammer Attachment For Skid-Steer Loaders	2,908.11	
			For >6 Months (>26 Weeks), Deduct	-116.32	
01 22 23 00-0281	DAY		Forklift Attachment For Skid-Steer Loaders	70.65	
			For Half Day Usage, Deduct	-22.08	
01 22 23 00-0282	WK		Forklift Attachment For Skid-Steer Loaders	188.94	
01 22 23 00-0283	MO		Forklift Attachment For Skid-Steer Loaders	533.98	
			For >6 Months (>26 Weeks), Deduct	-21.36	
01 22 23 00-0284	DAY		Backhoe Attachment For Skid-Steer Loaders	156.08	
			For Half Day Usage, Deduct	-48.78	
01 22 23 00-0285	WK		Backhoe Attachment For Skid-Steer Loaders	374.60	
01 22 23 00-0286	MO		Backhoe Attachment For Skid-Steer Loaders	931.58	
			For >6 Months (>26 Weeks), Deduct	-37.26	
01 22 23 00-0287	DAY		Broom Attachment For Skid-Steer Loaders	154.44	
			For Half Day Usage, Deduct	-48.26	
01 22 23 00-0288	WK		Broom Attachment For Skid-Steer Loaders	418.96	
01 22 23 00-0289	MO		Broom Attachment For Skid-Steer Loaders	1,109.02	
			For >6 Months (>26 Weeks), Deduct	-44.36	
01 22 23 00-0290	DAY		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	134.73	
			For Half Day Usage, Deduct	-42.10	
01 22 23 00-0291	WK		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	371.32	
01 22 23 00-0292	MO		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	1,013.73	
			For >6 Months (>26 Weeks), Deduct	-40.55	
01 22 23 00-0293	DAY		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	37.13	
			For Half Day Usage, Deduct	-11.60	
01 22 23 00-0294	WK		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	97.15	
01 22 23 00-0295	MO		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	285.73	
			For >6 Months (>26 Weeks), Deduct	-11.43	
01 22 23 00-0296	DAY		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	50.00	
			For Half Day Usage, Deduct	-15.63	
01 22 23 00-0297	WK		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	124.29	
01 22 23 00-0298	MO		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	371.47	
			For >6 Months (>26 Weeks), Deduct	-14.86	
01 22 23 00-0299	DAY		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	72.85	
			For Half Day Usage, Deduct	-22.77	
01 22 23 00-0300	WK		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	221.46	
01 22 23 00-0301	MO		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	657.20	
			For >6 Months (>26 Weeks), Deduct	-26.29	
01 22 23 00-0302	DAY		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	14.79	
			For Half Day Usage, Deduct	-4.62	
01 22 23 00-0303	WK		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	34.50	
01 22 23 00-0304	MO		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	92.01	
			For >6 Months (>26 Weeks), Deduct	-3.68	
01 22 23 00-0305			Bulldozers (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	1,442.65	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-645.19	
01 22 23 00-0307	WK		70 HP, D3 Bulldozer With Full-Time Operator	6,784.23	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0308	MO		70 HP, D3 Bulldozer With Full-Time Operator	27,209.85	
			For Equipment Without Operator, Deduct	-22,460.03	
			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	1,634.18	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-705.05	
01 22 23 00-0310	WK		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,557.99	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0311	MO		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,584.76	
			For Equipment Without Operator, Deduct	-22,460.03	
			For >6 Months (>26 Weeks), Deduct	-284.99	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
01 22 23 00-0312	DAY 140 HP, D6 Bulldozer With Full-Time Operator	2,178.11	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-875.03	
01 22 23 00-0313	WK 140 HP, D6 Bulldozer With Full-Time Operator	9,733.71	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0314	MO 140 HP, D6 Bulldozer With Full-Time Operator	36,096.61	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-545.46	
01 22 23 00-0315	DAY 200 HP, D7 Bulldozer With Full-Time Operator	2,660.75	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,025.85	
01 22 23 00-0316	WK 200 HP, D7 Bulldozer With Full-Time Operator	11,671.95	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0317	MO 200 HP, D7 Bulldozer With Full-Time Operator	41,918.97	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-778.36	
01 22 23 00-0318	DAY 335 HP, D8 Bulldozer With Full-Time Operator	3,235.33	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,205.41	
01 22 23 00-0319	WK 335 HP, D8 Bulldozer With Full-Time Operator	13,970.25	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0320	MO 335 HP, D8 Bulldozer With Full-Time Operator	48,813.87	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-1,054.15	
01 22 23 00-0321	DAY 460 HP, D9 Bulldozer With Full-Time Operator	3,557.09	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,305.96	
01 22 23 00-0322	WK 460 HP, D9 Bulldozer With Full-Time Operator	15,249.63	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0323	MO 460 HP, D9 Bulldozer With Full-Time Operator	52,644.37	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-1,207.37	
01 22 23 00-0324 Motor Scraper (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	2,379.09	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-937.83	
01 22 23 00-0326	WK 11 CY Motor Scraper-Hauler With Full-Time Operator	10,552.96	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0327	MO 11 CY Motor Scraper-Hauler With Full-Time Operator	38,551.28	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-643.65	
01 22 23 00-0328	DAY 18 CY Motor Scraper-Hauler With Full-Time Operator	2,921.60	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,107.37	
01 22 23 00-0329	WK 18 CY Motor Scraper-Hauler With Full-Time Operator	12,722.98	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0330	MO 18 CY Motor Scraper-Hauler With Full-Time Operator	45,079.73	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-904.79	
01 22 23 00-0331	DAY 24 CY Motor Scraper-Hauler With Full-Time Operator	3,445.71	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,271.15	
01 22 23 00-0332	WK 24 CY Motor Scraper-Hauler With Full-Time Operator	14,810.24	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0333	MO 24 CY Motor Scraper-Hauler With Full-Time Operator	51,332.33	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-1,154.89	
01 22 23 00-0334 Hydraulic Excavators (01 22 23 00-0261)			
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0335	DAY 3/8 CY Hydraulic Excavator With Full-Time Operator	1,398.39	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-631.36	
01 22 23 00-0336	WK 3/8 CY Hydraulic Excavator With Full-Time Operator	6,462.68	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0337	MO 3/8 CY Hydraulic Excavator With Full-Time Operator	26,747.71	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-171.51	
01 22 23 00-0338	DAY 1/2 CY Hydraulic Excavator With Full-Time Operator	1,500.23	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-663.19	
01 22 23 00-0339	WK 1/2 CY Hydraulic Excavator With Full-Time Operator	6,911.55	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0340	MO 1/2 CY Hydraulic Excavator With Full-Time Operator	28,543.18	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-243.33	
01 22 23 00-0341	DAY 5/8 CY Hydraulic Excavator With Full-Time Operator	1,532.38	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-673.24	
01 22 23 00-0342	WK 5/8 CY Hydraulic Excavator With Full-Time Operator	7,079.04	
	For Equipment Without Operator, Deduct	-5,183.08	



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MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
01 22 23 00-0343	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	28,837.95	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-255.12	
01 22 23 00-0344	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,565.88	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-683.70	
01 22 23 00-0345	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,233.13	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0346	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	29,132.73	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-266.91	
01 22 23 00-0347	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,592.68	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-692.08	
01 22 23 00-0348	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,393.92	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0349	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	29,427.51	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-278.70	
01 22 23 00-0350	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,954.45	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-805.13	
01 22 23 00-0351	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,834.31	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0352	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,413.71	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-438.15	
01 22 23 00-0353	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,008.05	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-821.88	
01 22 23 00-0354	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,068.79	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0355	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,117.16	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-466.29	
01 22 23 00-0356	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,108.54	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-853.29	
01 22 23 00-0357	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,470.76	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0358	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,323.07	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-514.52	
01 22 23 00-0359	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,222.43	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-888.88	
01 22 23 00-0360	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,919.63	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0361	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,662.97	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-568.12	
01 22 23 00-0362	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,255.93	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-899.34	
01 22 23 00-0363	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,053.62	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0364	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,064.94	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-584.20	
01 22 23 00-0365	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,577.50	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-999.84	
01 22 23 00-0366	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,346.62	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0367	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,950.65	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-739.62	
01 22 23 00-0368	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,039.77	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-1,144.29	
01 22 23 00-0369	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,182.28	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0370	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	46,444.24	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-959.37	
01 22 23 00-0371	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,609.23	
		For Equipment Without Operator, Deduct	-1,036.62	
		For Half Day Usage, Deduct	-1,322.25	
01 22 23 00-0372	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,460.11	
		For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0373	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	53,277.73	
		For Equipment Without Operator, Deduct	-22,460.03	
		For >6 Months (>26 Weeks), Deduct	-1,232.71	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0374 DAY Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	2,135.34	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-861.66	
01 22 23 00-0375 WK Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	9,564.55	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0376 MO Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	35,591.05	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-525.24	
01 22 23 00-0377 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	93.79	
For Half Day Usage, Deduct	-29.31	
01 22 23 00-0378 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	361.77	
01 22 23 00-0379 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,071.92	
For >6 Months (>26 Weeks), Deduct	-42.88	
01 22 23 00-0380 DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	415.37	
For Half Day Usage, Deduct	-129.80	
01 22 23 00-0381 WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,098.72	
01 22 23 00-0382 MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,075.07	
For >6 Months (>26 Weeks), Deduct	-123.00	
01 22 23 00-0383 DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	643.15	
For Half Day Usage, Deduct	-200.98	
01 22 23 00-0384 WK 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,641.38	
01 22 23 00-0385 MO 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,267.58	
For >6 Months (>26 Weeks), Deduct	-170.70	
01 22 23 00-0386 DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	897.73	
For Half Day Usage, Deduct	-280.54	
01 22 23 00-0387 WK 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,418.52	
01 22 23 00-0388 MO 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,779.89	
For >6 Months (>26 Weeks), Deduct	-271.20	
01 22 23 00-0389 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	187.59	
For Half Day Usage, Deduct	-58.62	
01 22 23 00-0390 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	750.34	
01 22 23 00-0391 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,251.03	
For >6 Months (>26 Weeks), Deduct	-90.04	
01 22 23 00-0392 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	267.98	
For Half Day Usage, Deduct	-83.74	
01 22 23 00-0393 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,071.92	
01 22 23 00-0394 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,215.76	
For >6 Months (>26 Weeks), Deduct	-128.63	
01 22 23 00-0395 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	294.78	
For Half Day Usage, Deduct	-92.12	
01 22 23 00-0396 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,165.71	
01 22 23 00-0397 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,483.74	
For >6 Months (>26 Weeks), Deduct	-139.35	
01 22 23 00-0398 Mini-Excavators (01 22 23 00-0261)		
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	1,318.00	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-606.24	
01 22 23 00-0400 WK 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,980.32	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0401 MO 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,215.30	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-70.21	
01 22 23 00-0402 DAY 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,324.70	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-608.34	
01 22 23 00-0403 WK 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,000.42	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0404 MO 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,637.37	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-87.09	
01 22 23 00-0405 DAY 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,358.20	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-618.80	
01 22 23 00-0406 WK 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,094.21	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0407 MO 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,697.66	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-89.51	
01 22 23 00-0408 DAY 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,371.60	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-622.99	
01 22 23 00-0409 WK 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,141.11	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0410 MO 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,724.46	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-90.58	
01 22 23 00-0411 DAY 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,451.99	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-648.11	
01 22 23 00-0412 WK 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,208.10	
For Equipment Without Operator, Deduct	-5,183.08	



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MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST
01 22 23 00-0413	MO 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,501.60	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-121.66	
01 22 23 00-0414	DAY 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,458.69	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-650.21	
01 22 23 00-0415	WK 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,543.08	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0416	MO 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,535.10	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-123.00	
01 22 23 00-0417 Telescopic Hydraulic Excavators (Gradall) (01 22 23 00-0261)			
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	4,526.03	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,608.75	
01 22 23 00-0419	WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	13,384.30	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0420	MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	51,731.36	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-1,170.85	
01 22 23 00-0421 Road Graders (01 22 23 00-0261)			
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	2,415.87	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-949.33	
01 22 23 00-0423	WK 50 To 60 HP Road Grader With Full-Time Operator	8,769.13	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0424	MO 50 To 60 HP Road Grader With Full-Time Operator	32,114.78	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-386.19	
01 22 23 00-0425	DAY 80 To 100 HP Road Grader With Full-Time Operator	3,096.30	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,161.96	
01 22 23 00-0426	WK 80 To 100 HP Road Grader With Full-Time Operator	10,277.11	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0427	MO 80 To 100 HP Road Grader With Full-Time Operator	36,712.28	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-570.09	
01 22 23 00-0428	DAY 130 To 140 HP Road Grader With Full-Time Operator	3,603.55	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,320.48	
01 22 23 00-0429	WK 130 To 140 HP Road Grader With Full-Time Operator	11,779.57	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0430	MO 130 To 140 HP Road Grader With Full-Time Operator	42,252.27	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-791.69	
01 22 23 00-0431	DAY 170 To 185 HP Road Grader With Full-Time Operator	4,374.40	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-1,561.37	
01 22 23 00-0432	WK 170 To 185 HP Road Grader With Full-Time Operator	18,534.22	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0433	MO 170 To 185 HP Road Grader With Full-Time Operator	69,188.98	
	For Equipment Without Operator, Deduct	-22,459.99	
	For >6 Months (>26 Weeks), Deduct	-1,869.16	
01 22 23 00-0434 Loader-Backhoes With Standard Bucket (01 22 23 00-0261)			
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	1,485.15	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-658.48	
01 22 23 00-0436	WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,248.34	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0437	MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,967.00	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-100.28	
01 22 23 00-0438	DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,533.21	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-673.49	
01 22 23 00-0439	WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,416.54	
	For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0440	MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,992.22	
	For Equipment Without Operator, Deduct	-22,460.03	
	For >6 Months (>26 Weeks), Deduct	-141.29	
01 22 23 00-0441	DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,607.30	
	For Equipment Without Operator, Deduct	-1,036.62	
	For Half Day Usage, Deduct	-696.65	
01 22 23 00-0442	WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,600.76	
	For Equipment Without Operator, Deduct	-5,183.08	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0443 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	26,520.85	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-162.43	
01 22 23 00-0444 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,937.69	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-799.89	
01 22 23 00-0445 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	7,585.93	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0446 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	29,340.19	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-275.21	
01 22 23 00-0447 Heavy-Duty Construction Loaders (01 22 23 00-0261)		
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.....	1,524.93	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-670.91	
01 22 23 00-0449 WK 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,113.79	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0450 MO 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	28,244.65	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-231.38	
01 22 23 00-0451 DAY 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	1,930.61	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-797.68	
01 22 23 00-0452 WK 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,557.03	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0453 MO 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	28,470.03	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-240.40	
01 22 23 00-0454 DAY 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,020.76	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-825.85	
01 22 23 00-0455 WK 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,797.43	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0456 MO 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	29,071.03	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-264.44	
01 22 23 00-0457 DAY 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,268.67	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-903.33	
01 22 23 00-0458 WK 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	8,451.02	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0459 MO 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	30,723.78	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-330.55	
01 22 23 00-0460 DAY 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,907.23	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-1,102.88	
01 22 23 00-0461 WK 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	12,650.50	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0462 MO 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	44,847.28	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-895.49	
01 22 23 00-0463 DAY 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,114.16	
For Equipment Without Operator, Deduct	-1,036.62	
For Half Day Usage, Deduct	-2,417.54	
01 22 23 00-0464 WK 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	24,918.21	
For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0465 MO 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	76,243.60	
For Equipment Without Operator, Deduct	-22,460.03	
For >6 Months (>26 Weeks), Deduct	-2,151.34	
01 22 23 00-0466 Tractors (01 22 23 00-0261)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0467 DAY 20 To 29 HP Tractor.....	501.41	
For Half Day Usage, Deduct	-156.69	
01 22 23 00-0468 WK 20 To 29 HP Tractor.....	1,207.10	
01 22 23 00-0469 MO 20 To 29 HP Tractor.....	3,259.16	
For >6 Months (>26 Weeks), Deduct	-130.37	
01 22 23 00-0470 DAY 30 To 35 HP Tractor.....	519.54	
For Half Day Usage, Deduct	-162.36	
01 22 23 00-0471 WK 30 To 35 HP Tractor.....	1,337.53	
01 22 23 00-0472 MO 30 To 35 HP Tractor.....	3,703.09	
For >6 Months (>26 Weeks), Deduct	-148.12	
01 22 23 00-0473 DAY 40 To 45 HP Tractor.....	530.59	
For Half Day Usage, Deduct	-165.81	
01 22 23 00-0474 WK 40 To 45 HP Tractor.....	1,425.97	
01 22 23 00-0475 MO 40 To 45 HP Tractor.....	3,913.12	
For >6 Months (>26 Weeks), Deduct	-156.52	
01 22 23 00-0476 DAY 80 To 89 HP Tractor.....	683.14	
For Half Day Usage, Deduct	-213.48	
01 22 23 00-0477 WK 80 To 89 HP Tractor.....	1,937.32	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0478	MO 80 To 89 HP Tractor	5,547.12		
	For >6 Months (>26 Weeks), Deduct	-221.88		
01 22 23 00-0479	DAY 60" Rotary Mower Attachment For Tractors.....	214.45		
	For Half Day Usage, Deduct	-67.02		
01 22 23 00-0480	WK 60" Rotary Mower Attachment For Tractors.....	663.24		
01 22 23 00-0481	DAY 84" Rotary Mower Attachment For Tractors.....	234.34		
	For Half Day Usage, Deduct	-73.23		
01 22 23 00-0482	WK 84" Rotary Mower Attachment For Tractors.....	718.51		
01 22 23 00-0483	DAY Under Deck Rotary Mower Attachment For Tractors	41.39		
	For Half Day Usage, Deduct	-12.93		
01 22 23 00-0484	WK Under Deck Rotary Mower Attachment For Tractors	165.55		
01 22 23 00-0485	Shoring (01 22 23 00-0261) Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0486	Aluminum Hydraulic Shoring (01 22 23 00-0485) Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.			
01 22 23 00-0487	WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	116.90		
	Note: Up to 88" spread width.			
01 22 23 00-0488	MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	344.80		
	Note: Up to 88" spread width.			
	For >6 Months (>26 Weeks), Deduct	-13.79		
01 22 23 00-0489	WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	156.82		
	Note: Up to 88" spread width.			
01 22 23 00-0490	MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	462.54		
	Note: Up to 88" spread width.			
	For >6 Months (>26 Weeks), Deduct	-18.50		
01 22 23 00-0491	WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	290.78		
	Note: Up to 88" spread width.			
01 22 23 00-0492	MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	857.79		
	Note: Up to 88" spread width.			
	For >6 Months (>26 Weeks), Deduct	-34.31		
01 22 23 00-0493	EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	28.92		
01 22 23 00-0494	EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	46.28		
01 22 23 00-0495	EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	77.12		
01 22 23 00-0496	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 00-0497	WK 4' x 6' Trench Box With Up To 48" Spreaders.....	260.32		
01 22 23 00-0498	MO 4' x 6' Trench Box With Up To 48" Spreaders.....	780.97		
	For >6 Months (>26 Weeks), Deduct	-31.24		
01 22 23 00-0499	WK 6' x 6' Trench Box With Up To 48" Spreaders.....	293.91		
01 22 23 00-0500	MO 6' x 6' Trench Box With Up To 48" Spreaders.....	881.74		
	For >6 Months (>26 Weeks), Deduct	-35.27		
01 22 23 00-0501	WK 8' x 6' Trench Box With Up To 48" Spreaders.....	310.71		
01 22 23 00-0502	MO 8' x 6' Trench Box With Up To 48" Spreaders.....	932.12		
	For >6 Months (>26 Weeks), Deduct	-37.28		
01 22 23 00-0503	WK 4' x 8' Trench Box With Up To 48" Spreaders.....	285.52		
01 22 23 00-0504	MO 4' x 8' Trench Box With Up To 48" Spreaders.....	856.54		
	For >6 Months (>26 Weeks), Deduct	-34.26		
01 22 23 00-0505	WK 6' x 8' Trench Box With Up To 48" Spreaders.....	335.90		
01 22 23 00-0506	MO 6' x 8' Trench Box With Up To 48" Spreaders.....	1,007.70		
	For >6 Months (>26 Weeks), Deduct	-40.31		
01 22 23 00-0507	WK 8' x 8' Trench Box With Up To 48" Spreaders.....	377.89		
01 22 23 00-0508	MO 8' x 8' Trench Box With Up To 48" Spreaders.....	1,133.66		
	For >6 Months (>26 Weeks), Deduct	-45.35		
01 22 23 00-0509	WK 4' x 10' Trench Box With Up To 48" Spreaders.....	319.10		
01 22 23 00-0510	MO 4' x 10' Trench Box With Up To 48" Spreaders.....	957.32		
	For >6 Months (>26 Weeks), Deduct	-38.29		
01 22 23 00-0511	WK 6' x 10' Trench Box With Up To 48" Spreaders.....	377.89		
01 22 23 00-0512	MO 6' x 10' Trench Box With Up To 48" Spreaders.....	1,133.66		
	For >6 Months (>26 Weeks), Deduct	-45.35		
01 22 23 00-0513	WK 8' x 10' Trench Box With Up To 48" Spreaders.....	461.86		
01 22 23 00-0514	MO 8' x 10' Trench Box With Up To 48" Spreaders.....	1,377.19		
	For >6 Months (>26 Weeks), Deduct	-55.09		
01 22 23 00-0515	WK 4' x 12' Trench Box With Up To 48" Spreaders.....	377.89		
01 22 23 00-0516	MO 4' x 12' Trench Box With Up To 48" Spreaders.....	1,133.66		
	For >6 Months (>26 Weeks), Deduct	-45.35		
01 22 23 00-0517	WK 6' x 12' Trench Box With Up To 48" Spreaders.....	461.86		
01 22 23 00-0518	MO 6' x 12' Trench Box With Up To 48" Spreaders.....	1,385.59		
	For >6 Months (>26 Weeks), Deduct	-55.42		
01 22 23 00-0519	WK 8' x 12' Trench Box With Up To 48" Spreaders.....	587.82		
01 22 23 00-0520	MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,763.48		
	For >6 Months (>26 Weeks), Deduct	-70.54		
01 22 23 00-0521	WK 4' x 14' Trench Box With Up To 48" Spreaders.....	419.88		
01 22 23 00-0522	MO 4' x 14' Trench Box With Up To 48" Spreaders.....	1,259.62		
	For >6 Months (>26 Weeks), Deduct	-50.38		
01 22 23 00-0523	WK 6' x 14' Trench Box With Up To 48" Spreaders.....	545.84		
01 22 23 00-0524	MO 6' x 14' Trench Box With Up To 48" Spreaders.....	1,637.51		
	For >6 Months (>26 Weeks), Deduct	-65.50		
01 22 23 00-0525	WK 8' x 14' Trench Box With Up To 48" Spreaders.....	671.80		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0526 MO 8' x 14' Trench Box With Up To 48" Spreaders.....	2,015.40	
For >6 Months (>26 Weeks), Deduct	-80.62	
01 22 23 00-0527 WK 4' x 16' Trench Box With Up To 48" Spreaders.....	461.86	
01 22 23 00-0528 MO 4' x 16' Trench Box With Up To 48" Spreaders.....	1,385.59	
For >6 Months (>26 Weeks), Deduct	-55.42	
01 22 23 00-0529 WK 6' x 16' Trench Box With Up To 48" Spreaders.....	629.81	
01 22 23 00-0530 MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,889.44	
For >6 Months (>26 Weeks), Deduct	-75.58	
01 22 23 00-0531 WK 8' x 16' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0532 MO 8' x 16' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0533 WK 4' x 20' Trench Box With Up To 48" Spreaders.....	545.84	
01 22 23 00-0534 MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,637.51	
For >6 Months (>26 Weeks), Deduct	-65.50	
01 22 23 00-0535 WK 6' x 20' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0536 MO 6' x 20' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0537 WK 8' x 20' Trench Box With Up To 48" Spreaders.....	881.74	
01 22 23 00-0538 MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,645.21	
For >6 Months (>26 Weeks), Deduct	-105.81	
01 22 23 00-0539 WK 4' x 24' Trench Box With Up To 48" Spreaders.....	755.78	
01 22 23 00-0540 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,267.32	
For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0541 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	923.72	
01 22 23 00-0542 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,771.18	
For >6 Months (>26 Weeks), Deduct	-110.85	
01 22 23 00-0543 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	1,007.70	
01 22 23 00-0544 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	3,023.10	
For >6 Months (>26 Weeks), Deduct	-120.92	
01 22 23 00-0545 WK For Spreaders >48" To 84", Add.....	25.19	
01 22 23 00-0546 MO For Spreaders >48" To 84", Add.....	75.58	
For >6 Months (>26 Weeks), Deduct	-3.02	
01 22 23 00-0547 WK For Spreaders >84" To 120", Add.....	151.16	
01 22 23 00-0548 MO For Spreaders >84" To 120", Add.....	453.46	
For >6 Months (>26 Weeks), Deduct	-18.14	
01 22 23 00-0549 WK For Spreaders >120", Add.....	319.10	
01 22 23 00-0550 MO For Spreaders >120", Add.....	957.32	
For >6 Months (>26 Weeks), Deduct	-38.29	
01 22 23 00-0551 WK 8' x 4' Manhole Box.....	396.78	
01 22 23 00-0552 MO 8' x 4' Manhole Box.....	1,190.35	
For >6 Months (>26 Weeks), Deduct	-47.61	
01 22 23 00-0553 WK 8' x 8' Manhole Box.....	566.83	
01 22 23 00-0554 MO 8' x 8' Manhole Box.....	1,700.49	
For >6 Months (>26 Weeks), Deduct	-68.02	
01 22 23 00-0555 Trenchers (01 22 23 00-0261)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0556 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,344.03	
For Equipment Without Operator, Deduct	-990.30	
For Half Day Usage, Deduct	-605.69	
01 22 23 00-0557 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,156.39	
For Equipment Without Operator, Deduct	-4,951.50	
01 22 23 00-0558 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	24,772.72	
For Equipment Without Operator, Deduct	-21,456.52	
For >6 Months (>26 Weeks), Deduct	-132.65	
01 22 23 00-0559 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,940.94	
For Equipment Without Operator, Deduct	-990.30	
For Half Day Usage, Deduct	-792.23	
01 22 23 00-0560 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,168.21	
For Equipment Without Operator, Deduct	-4,951.50	
01 22 23 00-0561 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,299.72	
For Equipment Without Operator, Deduct	-21,456.52	
For >6 Months (>26 Weeks), Deduct	-353.73	
01 22 23 00-0562 Portable Sediment Tank (01 22 23 00-0261)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0563 WK Portable Sediment Tank	206.94	
01 22 23 00-0564 MO Portable Sediment Tank	607.02	
For >6 Months (>26 Weeks), Deduct	-24.28	
01 22 23 00-0565 Heavy Equipment (Ground Protection) Mats (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 00-0566 DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	28.76	
For Half Day Usage, Deduct	-8.99	
01 22 23 00-0567 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	68.47	
01 22 23 00-0568 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	143.78	
For >6 Months (>26 Weeks), Deduct	-5.75	
01 22 23 00-0569 DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	30.19	
For Half Day Usage, Deduct	-9.43	



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01 22 23 00-0570	WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	71.89		
01 22 23 00-0571	MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	150.97		
	For >6 Months (>26 Weeks), Deduct	-6.04		
01 22 23 00-0572	Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	24.44		
	For Half Day Usage, Deduct	-7.64		
01 22 23 00-0573	WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	57.51		
01 22 23 00-0574	MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	122.21		
	For >6 Months (>26 Weeks), Deduct	-4.89		
01 22 23 00-0575	Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	27.32		
	For Half Day Usage, Deduct	-8.54		
01 22 23 00-0576	WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	64.70		
01 22 23 00-0577	MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	136.59		
	For >6 Months (>26 Weeks), Deduct	-5.46		
01 22 23 00-0578	Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	30.19		
	For Half Day Usage, Deduct	-9.43		
01 22 23 00-0579	WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	71.89		
01 22 23 00-0580	MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	150.97		
	For >6 Months (>26 Weeks), Deduct	-6.04		
01 22 23 00-0581	Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	33.07		
	For Half Day Usage, Deduct	-10.33		
01 22 23 00-0582	WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	78.74		
01 22 23 00-0583	MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	165.35		
	For >6 Months (>26 Weeks), Deduct	-6.61		
01 22 23 00-0584	Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.88		
	For Half Day Usage, Deduct	-8.09		
01 22 23 00-0585	WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.89		
01 22 23 00-0586	MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	129.40		
	For >6 Months (>26 Weeks), Deduct	-5.18		
01 22 23 00-0587	Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.19		
	For Half Day Usage, Deduct	-9.43		
01 22 23 00-0588	WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.89		
01 22 23 00-0589	MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.97		
	For >6 Months (>26 Weeks), Deduct	-6.04		
01 22 23 00-0590	Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	35.94		
	For Half Day Usage, Deduct	-11.23		
01 22 23 00-0591	WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	79.08		
01 22 23 00-0592	MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	179.72		
	For >6 Months (>26 Weeks), Deduct	-7.19		
01 22 23 00-0593	Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	38.82		
	For Half Day Usage, Deduct	-12.13		
01 22 23 00-0594	WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	92.43		
01 22 23 00-0595	MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	194.10		
	For >6 Months (>26 Weeks), Deduct	-7.76		
01 22 23 00-0596	Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	41.70		
	For Half Day Usage, Deduct	-13.03		
01 22 23 00-0597	WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	99.28		
01 22 23 00-0598	MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	208.48		
	For >6 Months (>26 Weeks), Deduct	-8.34		
01 22 23 00-0599	Day 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	43.13		
	For Half Day Usage, Deduct	-13.48		
01 22 23 00-0600	WK 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	102.70		
01 22 23 00-0601	MO 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	215.67		
	For >6 Months (>26 Weeks), Deduct	-8.63		
01 22 23 00-0602	Day 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.83		
	For Half Day Usage, Deduct	-4.32		
01 22 23 00-0603	WK 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	34.58		
01 22 23 00-0604	MO 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	103.74		
	For >6 Months (>26 Weeks), Deduct	-4.15		
01 22 23 00-0605	Day 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.53		
	For Half Day Usage, Deduct	-5.17		
01 22 23 00-0606	WK 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	41.34		
01 22 23 00-0607	MO 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	124.01		
	For >6 Months (>26 Weeks), Deduct	-4.96		
01 22 23 00-0608	Day 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	18.88		
	For Half Day Usage, Deduct	-5.90		
01 22 23 00-0609	WK 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	47.21		
01 22 23 00-0610	MO 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	141.62		
	For >6 Months (>26 Weeks), Deduct	-5.66		
01 22 23 00-0611	Day 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	20.13		
	For Half Day Usage, Deduct	-6.29		
01 22 23 00-0612	WK 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	50.32		
01 22 23 00-0613	MO 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	150.97		
	For >6 Months (>26 Weeks), Deduct	-6.04		
01 22 23 00-0614	Day 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.00		
	For Half Day Usage, Deduct	-7.19		
01 22 23 00-0615	WK 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	57.51		
01 22 23 00-0616	MO 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	172.54		
	For >6 Months (>26 Weeks), Deduct	-6.90		
01 22 23 00-0617	Day 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	26.44		
	For Half Day Usage, Deduct	-8.26		
01 22 23 00-0618	WK 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	66.09		
01 22 23 00-0619	MO 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	198.27		
	For >6 Months (>26 Weeks), Deduct	-7.93		

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01 22 23 00-0620 Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	20.34	
For Half Day Usage, Deduct	-6.36	
01 22 23 00-0621 WK 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	50.85	
01 22 23 00-0622 MO 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	152.55	
For >6 Months (>26 Weeks), Deduct	-6.10	
01 22 23 00-0623 Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.54	
For Half Day Usage, Deduct	-8.61	
01 22 23 00-0624 WK 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	68.85	
01 22 23 00-0625 MO 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	206.54	
For >6 Months (>26 Weeks), Deduct	-8.26	
01 22 23 00-0626 Day 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.81	
For Half Day Usage, Deduct	-7.44	
01 22 23 00-0627 WK 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	59.52	
01 22 23 00-0628 MO 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	178.57	
For >6 Months (>26 Weeks), Deduct	-7.14	
01 22 23 00-0629 Day 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	39.71	
For Half Day Usage, Deduct	-12.41	
01 22 23 00-0630 WK 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	99.28	
01 22 23 00-0631 MO 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	297.83	
For >6 Months (>26 Weeks), Deduct	-11.91	
01 22 23 00-0632 Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	42.33	
For Half Day Usage, Deduct	-13.23	
01 22 23 00-0633 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	105.82	
01 22 23 00-0634 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	317.47	
For >6 Months (>26 Weeks), Deduct	-12.70	
01 22 23 00-0635 Electrical Equipment (01 22 23)		
01 22 23 00-0636 Tripod Mounted Floodlights (01 22 23 00-0635)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0637 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	65.05	
For Half Day Usage, Deduct	-20.33	
01 22 23 00-0638 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	153.90	
01 22 23 00-0639 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	325.25	
For >6 Months (>26 Weeks), Deduct	-13.01	
01 22 23 00-0640 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	65.05	
For Half Day Usage, Deduct	-20.33	
01 22 23 00-0641 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	190.39	
01 22 23 00-0642 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	563.24	
For >6 Months (>26 Weeks), Deduct	-22.53	
01 22 23 00-0643 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	72.98	
For Half Day Usage, Deduct	-22.81	
01 22 23 00-0644 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	198.32	
01 22 23 00-0645 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	483.91	
For >6 Months (>26 Weeks), Deduct	-19.36	
01 22 23 00-0646 Trailer Mounted Floodlights (01 22 23 00-0635)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0647 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	182.46	
For Half Day Usage, Deduct	-57.02	
01 22 23 00-0648 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	404.58	
01 22 23 00-0649 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	872.63	
For >6 Months (>26 Weeks), Deduct	-34.91	
01 22 23 00-0650 Generator Sets (01 22 23 00-0635)		
01 22 23 00-0651 Portable, Gas Powered Generator Sets (01 22 23 00-0650)		
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 00-0771 for reimbursable fuel fees.		
01 22 23 00-0652 DAY 3.6 KW Gas Powered Generator Set.....	51.27	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
For LP Or NG Gas, Add	6.41	
For Half Day Usage, Deduct	-16.02	
01 22 23 00-0653 WK 3.6 KW Gas Powered Generator Set.....	184.82	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
For LP Or NG Gas, Add	23.10	
01 22 23 00-0654 MO 3.6 KW Gas Powered Generator Set.....	512.73	
Note: Fuel consumption: 100% load – 0.54 gallons per hour		
For LP Or NG Gas, Add	64.09	
For >6 Months (>26 Weeks), Deduct	-20.51	
01 22 23 00-0655 DAY 5 KW Gas Powered Generator Set.....	72.74	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
For LP Or NG Gas, Add	9.09	
For Half Day Usage, Deduct	-22.73	
01 22 23 00-0656 WK 5 KW Gas Powered Generator Set.....	232.52	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
For LP Or NG Gas, Add	29.07	
01 22 23 00-0657 MO 5 KW Gas Powered Generator Set.....	530.62	
Note: Fuel consumption: 100% load – 0.75 gallons per hour		
For LP Or NG Gas, Add	66.33	
For >6 Months (>26 Weeks), Deduct	-21.22	



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01 22 23 00-0658	DAY		6.5 KW Gas Powered Generator Set.....	93.01	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	11.63	
			For Half Day Usage, Deduct	-29.07	
01 22 23 00-0659	WK		6.5 KW Gas Powered Generator Set.....	250.40	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	31.30	
01 22 23 00-0660	MO		6.5 KW Gas Powered Generator Set.....	691.59	
			Note: Fuel consumption: 100% load – 0.975 gallons per hour		
			For LP Or NG Gas, Add	86.45	
			For >6 Months (>26 Weeks), Deduct	-27.66	
01 22 23 00-0661	DAY		10 KW Gas Powered Generator Set.....	103.74	
			Note: Fuel consumption: 100% load – 1.35 gallons per hour		
			For LP Or NG Gas, Add	12.97	
			For Half Day Usage, Deduct	-32.42	
01 22 23 00-0662	WK		10 KW Gas Powered Generator Set.....	280.21	
			Note: Fuel consumption: 100% load – 1.35 gallons per hour		
			For LP Or NG Gas, Add	35.03	
01 22 23 00-0663	MO		10 KW Gas Powered Generator Set.....	804.87	
			Note: Fuel consumption: 100% load – 1.35 gallons per hour		
			For LP Or NG Gas, Add	100.61	
			For >6 Months (>26 Weeks), Deduct	-32.19	
01 22 23 00-0664	DAY		15 KW Gas Powered Generator Set.....	189.95	
			Note: Fuel consumption: 100% load – 1.70 gallons per hour		
			For LP Or NG Gas, Add	23.74	
			For Half Day Usage, Deduct	-59.36	
01 22 23 00-0665	WK		15 KW Gas Powered Generator Set.....	539.61	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour		
			For LP Or NG Gas, Add	67.45	
01 22 23 00-0666	MO		15 KW Gas Powered Generator Set.....	1,165.57	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour		
			For LP Or NG Gas, Add	145.70	
			For >6 Months (>26 Weeks), Deduct	-46.62	
01 22 23 00-0667			Towable, Diesel Powered Generator Sets (01 22 23 00-0650)		
			Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. 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 00-0771 for reimbursable fuel fees.		
01 22 23 00-0668	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set	213.44	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	85.38	
			For >16 To 24 Hours Usage Per Day, Add	170.75	
01 22 23 00-0669	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set	558.04	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	223.22	
			For >80 Hours Usage Per Week, Add	446.43	
01 22 23 00-0670	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set	1,520.31	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	608.12	
			For >320 Hours Usage Per Month, Add	1,216.25	
			For >6 Months (>26 Weeks), Deduct	-60.81	
01 22 23 00-0671	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set	371.13	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	148.45	
			For >16 To 24 Hours Usage Per Day, Add	296.90	
01 22 23 00-0672	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set	1,101.42	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	440.57	
			For >80 Hours Usage Per Week, Add	881.14	
01 22 23 00-0673	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set	2,274.68	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	909.87	
			For >320 Hours Usage Per Month, Add	1,819.74	
			For >6 Months (>26 Weeks), Deduct	-90.99	
01 22 23 00-0674	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	407.05	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	162.82	
			For >16 To 24 Hours Usage Per Day, Add	325.64	
01 22 23 00-0675	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,137.34	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	454.94	
			For >80 Hours Usage Per Week, Add	909.87	

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CSI UOM DESCRIPTION				UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0676	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,514.12		
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,005.65		
		For >320 Hours Usage Per Month, Add	2,011.30		
		For >6 Months (>26 Weeks), Deduct	-100.56		
01 22 23 00-0677	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	436.98		
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	174.79		
		For >16 To 24 Hours Usage Per Day, Add	349.58		
01 22 23 00-0678	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,197.20		
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	478.88		
		For >80 Hours Usage Per Week, Add	957.76		
01 22 23 00-0679	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,873.28		
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,149.31		
		For >320 Hours Usage Per Month, Add	2,298.62		
		For >6 Months (>26 Weeks), Deduct	-114.93		
01 22 23 00-0680	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	478.88		
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	191.55		
		For >16 To 24 Hours Usage Per Day, Add	383.10		
01 22 23 00-0681	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,358.82		
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	543.53		
		For >80 Hours Usage Per Week, Add	1,087.06		
01 22 23 00-0682	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,232.44		
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,292.98		
		For >320 Hours Usage Per Month, Add	2,585.95		
		For >6 Months (>26 Weeks), Deduct	-129.30		
01 22 23 00-0683	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	538.74		
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	215.50		
		For >16 To 24 Hours Usage Per Day, Add	430.99		
01 22 23 00-0684	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,436.64		
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	574.66		
		For >80 Hours Usage Per Week, Add	1,149.31		
01 22 23 00-0685	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,591.60		
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,436.64		
		For >320 Hours Usage Per Month, Add	2,873.28		
		For >6 Months (>26 Weeks), Deduct	-143.66		
01 22 23 00-0686	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	556.70		
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	222.68		
		For >16 To 24 Hours Usage Per Day, Add	445.36		
01 22 23 00-0687	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,496.50		
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	598.60		
		For >80 Hours Usage Per Week, Add	1,197.20		
01 22 23 00-0688	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,070.48		
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,628.19		
		For >320 Hours Usage Per Month, Add	3,256.38		
		For >6 Months (>26 Weeks), Deduct	-162.82		
01 22 23 00-0689	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	628.53		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	251.41		
		For >16 To 24 Hours Usage Per Day, Add	502.82		
01 22 23 00-0690	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,735.94		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	694.38		
		For >80 Hours Usage Per Week, Add	1,388.75		
01 22 23 00-0691	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,669.08		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,867.63		
		For >320 Hours Usage Per Month, Add	3,735.26		
		For >6 Months (>26 Weeks), Deduct	-186.76		



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MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
01 22 23 00-0692	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	658.46 263.38 526.77	
01 22 23 00-0693	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	1,825.73 730.29 1,460.58	
01 22 23 00-0694	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,147.96 2,059.18 4,118.37 -205.92	
01 22 23 00-0695	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	688.39 275.36 550.71	
01 22 23 00-0696	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	1,975.38 790.15 1,580.30	
01 22 23 00-0697	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,387.40 2,154.96 4,309.92 -215.50	
01 22 23 00-0698	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	718.32 287.33 574.66	
01 22 23 00-0699	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	2,095.10 838.04 1,676.08	
01 22 23 00-0700	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,626.84 2,250.74 4,501.47 -225.07	
01 22 23 00-0701	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	718.32 287.33 574.66	
01 22 23 00-0702	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	2,095.10 838.04 1,676.08	
01 22 23 00-0703	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	5,626.84 2,250.74 4,501.47 -225.07	
01 22 23 00-0704	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	987.69 395.08 790.15	
01 22 23 00-0705	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,454.26 981.70 1,963.41	
01 22 23 00-0706	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set 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 >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	7,183.20 2,873.28 5,746.56 -287.33	
01 22 23 00-0707	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	1,047.55 419.02 838.04	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,514.12	
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,005.65	
			For >80 Hours Usage Per Week, Add	2,011.30	
01 22 23 00-0709	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,422.64	
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,969.06	
			For >320 Hours Usage Per Month, Add	5,938.11	
			For >6 Months (>26 Weeks), Deduct	-296.91	
01 22 23 00-0710	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,107.41	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	442.96	
			For >16 To 24 Hours Usage Per Day, Add	885.93	
01 22 23 00-0711	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,573.98	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,029.59	
			For >80 Hours Usage Per Week, Add	2,059.18	
01 22 23 00-0712	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,662.08	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	3,064.83	
			For >320 Hours Usage Per Month, Add	6,129.66	
			For >6 Months (>26 Weeks), Deduct	-306.48	
01 22 23 00-0713	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,143.33	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	457.33	
			For >16 To 24 Hours Usage Per Day, Add	914.66	
01 22 23 00-0714	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,753.56	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,101.42	
			For >80 Hours Usage Per Week, Add	2,202.85	
01 22 23 00-0715	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,140.96	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	3,256.38	
			For >320 Hours Usage Per Month, Add	6,512.77	
			For >6 Months (>26 Weeks), Deduct	-325.64	
01 22 23 00-0716	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,197.20	
			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 >8 To 16 Hours Usage Per Day, Add	478.88	
			For >16 To 24 Hours Usage Per Day, Add	957.76	
01 22 23 00-0717	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,112.72	
			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 >40 To 80 Hours Usage Per Week, Add	1,245.09	
			For >80 Hours Usage Per Week, Add	2,490.18	
01 22 23 00-0718	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,979.00	
			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	3,591.60	
			For >320 Hours Usage Per Month, Add	7,183.20	
			For >6 Months (>26 Weeks), Deduct	-359.16	
01 22 23 00-0719	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,175.85	
			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	870.34	
			For >16 To 24 Hours Usage Per Day, Add	1,740.68	
01 22 23 00-0720	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,625.59	
			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	2,250.24	
			For >80 Hours Usage Per Week, Add	4,500.47	
01 22 23 00-0721	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	14,877.60	
			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	5,951.04	
			For >320 Hours Usage Per Month, Add	11,902.08	
			For >6 Months (>26 Weeks), Deduct	-595.10	
01 22 23 00-0722	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,789.55	
			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	1,115.82	
			For >16 To 24 Hours Usage Per Day, Add	2,231.64	
01 22 23 00-0723	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,252.83	
			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	2,901.13	
			For >80 Hours Usage Per Week, Add	5,802.26	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
01 22 23 00-0724	MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	16,737.30		
		6,694.92		
		13,389.84		
		-669.49		
01 22 23 00-0725	DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	3,449.74		
		1,379.90		
		2,759.79		
01 22 23 00-0726	WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	9,112.53		
		3,645.01		
		7,290.02		
01 22 23 00-0727	MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	22,316.40		
		8,926.56		
		17,653.12		
		-892.66		
01 22 23 00-0728	DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >16 To 24 Hours Usage Per Day, Add	3,728.70		
		1,491.48		
		2,982.96		
01 22 23 00-0729	WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >80 Hours Usage Per Week, Add	8,591.81		
		3,436.72		
		6,873.45		
01 22 23 00-0730	MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	25,775.44		
		10,310.18		
		20,620.35		
		-1,031.02		
01 22 23 00-0731	DAY 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >16 To 24 Hours Usage Per Day, Add	4,230.82		
		1,692.33		
		3,384.66		
01 22 23 00-0732	WK 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	11,055.92		
		4,422.37		
		8,844.74		
01 22 23 00-0733	MO 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	30,285.21		
		12,114.08		
		24,228.17		
		-1,211.41		
01 22 23 00-0734	DAY 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >16 To 24 Hours Usage Per Day, Add	5,579.10		
		2,231.64		
		4,463.28		
01 22 23 00-0735	WK 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	16,737.30		
		6,694.92		
		13,389.84		
01 22 23 00-0736	MO 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >320 Hours Usage Per Month, Add	47,989.56		
		19,195.82		
		38,391.65		
01 22 23 00-0737	DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >16 To 24 Hours Usage Per Day, Add	7,355.11		
		2,942.04		
		5,884.09		
01 22 23 00-0738	WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	18,392.43		
		7,356.97		
		14,713.94		
01 22 23 00-0739	MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	50,211.90		
		20,084.76		
		40,169.52		
		-2,008.48		
01 22 23 00-0740	EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,009.61		
01 22 23 00-0741	EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,660.07		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0742 EA 1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	2,841.25	
01 22 23 00-0743 Cabling For Generator Sets (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0744 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	26.34	
For Half Day Usage, Deduct	-8.23	
01 22 23 00-0745 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	46.09	
01 22 23 00-0746 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	138.28	
For >6 Months (>26 Weeks), Deduct	-5.53	
01 22 23 00-0747 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	13.17	
For Half Day Usage, Deduct	-4.12	
01 22 23 00-0748 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	38.31	
01 22 23 00-0749 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	106.55	
For >6 Months (>26 Weeks), Deduct	-4.26	
01 22 23 00-0750 Resistive Loadbanks For Generator Sets (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0771 for reimbursable fuel fees.		
01 22 23 00-0751 DAY 100 KW A/C Resistive Loadbank.....	371.52	
01 22 23 00-0752 WK 100 KW A/C Resistive Loadbank.....	706.62	
01 22 23 00-0753 MO 100 KW A/C Resistive Loadbank.....	1,930.46	
For >6 Months (>26 Weeks), Deduct	-77.22	
01 22 23 00-0754 DAY 650 KW A/C Resistive Loadbank.....	691.12	
01 22 23 00-0755 WK 650 KW A/C Resistive Loadbank.....	1,848.23	
01 22 23 00-0756 MO 650 KW A/C Resistive Loadbank.....	4,712.20	
For >6 Months (>26 Weeks), Deduct	-188.49	
01 22 23 00-0757 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0758 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	64.65	
For Half Day Usage, Deduct	-20.20	
01 22 23 00-0759 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	167.61	
01 22 23 00-0760 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	472.89	
For >6 Months (>26 Weeks), Deduct	-18.92	
01 22 23 00-0761 Portable Distribution Panels For Generator Sets (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0762 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	143.66	
For Half Day Usage, Deduct	-44.89	
01 22 23 00-0763 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	389.09	
01 22 23 00-0764 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,089.45	
For >6 Months (>26 Weeks), Deduct	-43.58	
01 22 23 00-0765 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	117.33	
For Half Day Usage, Deduct	-36.67	
01 22 23 00-0766 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	305.29	
01 22 23 00-0767 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	867.97	
For >6 Months (>26 Weeks), Deduct	-34.72	
01 22 23 00-0768 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	149.65	
For Half Day Usage, Deduct	-46.77	
01 22 23 00-0769 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	377.12	
01 22 23 00-0770 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,023.61	
For >6 Months (>26 Weeks), Deduct	-40.94	
01 22 23 00-0771 Fuel Reimbursement For Generators (01 22 23 00-0650) 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.		
01 22 23 00-0772 EA Fuel Reimbursement For Generators	1.00	
01 22 23 00-0773 Generator Accessories (01 22 23 00-0650) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0774 Step Down Transformer (01 22 23 00-0773)		
01 22 23 00-0775 WK 75 KVA, 480-208 Volt, Step Down Transformer	353.17	
01 22 23 00-0776 MO 75 KVA, 480-208 Volt, Step Down Transformer	987.69	
For >6 Months (>26 Weeks), Deduct	-39.51	
01 22 23 00-0777 WK 150 KVA, 480-208 Volt, Step Down Transformer	566.28	
01 22 23 00-0778 MO 150 KVA, 480-208 Volt, Step Down Transformer	1,697.63	
For >6 Months (>26 Weeks), Deduct	-67.91	
01 22 23 00-0779 WK 225 KVA, 480-208 Volt, Step Down Transformer	754.24	
01 22 23 00-0780 MO 225 KVA, 480-208 Volt, Step Down Transformer	2,262.71	
For >6 Months (>26 Weeks), Deduct	-90.51	
01 22 23 00-0781 WK 500 KVA, 480-208 Volt, Step Down Transformer	897.90	
01 22 23 00-0782 MO 500 KVA, 480-208 Volt, Step Down Transformer	2,693.70	
For >6 Months (>26 Weeks), Deduct	-107.75	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
01 22 23 00-0783	WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....		1,340.86	
01 22 23 00-0784	MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....		4,004.63	
	For >6 Months (>26 Weeks), Deduct		-160.19	
01 22 23 00-0785	WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....		2,178.90	
01 22 23 00-0786	MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....		6,530.73	
	For >6 Months (>26 Weeks), Deduct		-261.23	
01 22 23 00-0787	WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer		2,514.12	
01 22 23 00-0788	MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer		7,542.36	
	For >6 Months (>26 Weeks), Deduct		-301.69	
01 22 23 00-0789	Portable Panel (01 22 23 00-0773)			
01 22 23 00-0790	WK 100 Amperes, Portable Panel.....		281.34	
01 22 23 00-0791	MO 100 Amperes, Portable Panel.....		718.32	
	For >6 Months (>26 Weeks), Deduct		-28.73	
01 22 23 00-0792	WK 200 Amperes, Portable Panel.....		336.41	
01 22 23 00-0793	MO 200 Amperes, Portable Panel.....		897.90	
	For >6 Months (>26 Weeks), Deduct		-35.92	
01 22 23 00-0794	WK 400 Amperes, Portable Panel.....		359.16	
01 22 23 00-0795	MO 400 Amperes, Portable Panel.....		1,077.48	
	For >6 Months (>26 Weeks), Deduct		-43.10	
01 22 23 00-0796	Portable Fusible Disconnect (01 22 23 00-0773)			
01 22 23 00-0797	WK 100 - 200 Amperes, Portable Fusible Disconnect.....		125.71	
01 22 23 00-0798	MO 100 - 200 Amperes, Portable Fusible Disconnect.....		377.12	
	For >6 Months (>26 Weeks), Deduct		-15.08	
01 22 23 00-0799	WK 300 - 400 Amperes, Portable Fusible Disconnect.....		251.41	
01 22 23 00-0800	MO 300 - 400 Amperes, Portable Fusible Disconnect.....		754.24	
	For >6 Months (>26 Weeks), Deduct		-30.17	
01 22 23 00-0801	Portable Transfer Switch (01 22 23 00-0773)			
01 22 23 00-0802	WK 100 Amperes, 480 Volt, Portable Transfer Switch		377.12	
01 22 23 00-0803	MO 100 Amperes, 480 Volt, Portable Transfer Switch		1,131.35	
	For >6 Months (>26 Weeks), Deduct		-45.25	
01 22 23 00-0804	WK 200 Amperes, 480 Volt, Portable Transfer Switch		502.82	
01 22 23 00-0805	MO 200 Amperes, 480 Volt, Portable Transfer Switch		1,508.47	
	For >6 Months (>26 Weeks), Deduct		-60.34	
01 22 23 00-0806	WK 400 Amperes, 480 Volt, Portable Transfer Switch		628.53	
01 22 23 00-0807	MO 400 Amperes, 480 Volt, Portable Transfer Switch		1,885.59	
	For >6 Months (>26 Weeks), Deduct		-75.42	
01 22 23 00-0808	Welding Machines (01 22 23 00-0635)			
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0809	CC/CV Inverter Welder (01 22 23 00-0808)			
	Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0771 for reimbursable fuel fees.			
01 22 23 00-0810	DAY 250 Amperes, CC Inverter Welder.....		43.03	
	For Half Day Usage, Deduct		-13.45	
01 22 23 00-0811	WK 250 Amperes, CC Inverter Welder.....		93.74	
01 22 23 00-0812	MO 250 Amperes, CC Inverter Welder.....		284.31	
	For >6 Months (>26 Weeks), Deduct		-11.37	
01 22 23 00-0813	DAY 300 Amperes, CC/CV Inverter Welder.....		49.18	
	For Half Day Usage, Deduct		-15.37	
01 22 23 00-0814	WK 300 Amperes, CC/CV Inverter Welder.....		130.63	
01 22 23 00-0815	MO 300 Amperes, CC/CV Inverter Welder.....		345.78	
	For >6 Months (>26 Weeks), Deduct		-13.83	
01 22 23 00-0816	DAY 350 Amperes, CC/CV Inverter Welder.....		50.71	
	For Half Day Usage, Deduct		-15.85	
01 22 23 00-0817	WK 350 Amperes, CC/CV Inverter Welder.....		133.70	
01 22 23 00-0818	MO 350 Amperes, CC/CV Inverter Welder.....		376.52	
	For >6 Months (>26 Weeks), Deduct		-15.06	
01 22 23 00-0819	MIG Welder (01 22 23 00-0808)			
	Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0771 for reimbursable fuel fees.			
01 22 23 00-0820	DAY 115 Volt MIG Welder		73.77	
	For Half Day Usage, Deduct		-23.05	
01 22 23 00-0821	WK 115 Volt MIG Welder		192.10	
01 22 23 00-0822	MO 115 Volt MIG Welder		522.51	
	For >6 Months (>26 Weeks), Deduct		-20.90	
01 22 23 00-0823	Diesel Powered Towable Welding Machines (01 22 23 00-0808)			
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0824	DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine		138.31	
	For Half Day Usage, Deduct		-43.22	
01 22 23 00-0825	WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine		338.10	
01 22 23 00-0826	MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine		806.82	
	For >6 Months (>26 Weeks), Deduct		-32.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0827	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	184.42	
		<i>For Half Day Usage, Deduct</i>	-57.63	
01 22 23 00-0828	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	361.15	
01 22 23 00-0829	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	843.70	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-33.75	
01 22 23 00-0830	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	192.10	
		<i>For Half Day Usage, Deduct</i>	-60.03	
01 22 23 00-0831	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	384.20	
01 22 23 00-0832	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	937.45	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-37.50	
01 22 23 00-0833		General Equipment (01 22 23)		
01 22 23 00-0834		Jacks And Bracing (01 22 23 00-0833)		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0835		Manual Hydraulic Jacks (01 22 23 00-0834)		
01 22 23 00-0836	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		<i>For Half Day Usage, Deduct</i>	-0.52	
01 22 23 00-0837	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0838	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1.14	
01 22 23 00-0839	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		<i>For Half Day Usage, Deduct</i>	-0.91	
01 22 23 00-0840	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0841	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1.39	
01 22 23 00-0842	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		<i>For Half Day Usage, Deduct</i>	-3.26	
01 22 23 00-0843	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0844	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.83	
01 22 23 00-0845	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		<i>For Half Day Usage, Deduct</i>	-4.57	
01 22 23 00-0846	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0847	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-8.42	
01 22 23 00-0848		Manual Screw Jacks (01 22 23 00-0834)		
01 22 23 00-0849	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		<i>For Half Day Usage, Deduct</i>	-5.99	
01 22 23 00-0850	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0851	MO	10 To 20 Ton Manual Screw Jack	152.12	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.08	
01 22 23 00-0852		Shores/Braces (01 22 23 00-0834)		
01 22 23 00-0853	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0854	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0855	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0856	MO	Up To 10' Height, Adjustable Wood Shoring	6.57	
01 22 23 00-0857	MO	>10' To 16' Height, Adjustable Wood Shoring	8.76	
01 22 23 00-0858	EA	Erect And Strip Shores To 10'	11.57	
		<i>For >20 To 50, Deduct</i>	-1.74	
		<i>For >50 To 100, Deduct</i>	-4.05	
		<i>For >100, Deduct</i>	-6.36	
01 22 23 00-0859	EA	Erect And Strip Shores To 13'	13.88	
		<i>For >20 To 50, Deduct</i>	-2.08	
		<i>For >50 To 100, Deduct</i>	-4.86	
		<i>For >100, Deduct</i>	-7.63	
01 22 23 00-0860	EA	Erect And Strip Shores To 16'	16.19	
		<i>For >20 To 50, Deduct</i>	-2.43	
		<i>For >50 To 100, Deduct</i>	-5.67	
		<i>For >100, Deduct</i>	-8.90	
01 22 23 00-0861		Pressure Washers (01 22 23 00-0833)		
		Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0862	DAY	2,000 PSI Pressure Washer With Full-Time Operator	843.88	
		<i>For Equipment Without Operator, Deduct</i>	-734.16	
		<i>For Half Day Usage, Deduct</i>	-401.37	
01 22 23 00-0863	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
		<i>For Equipment Without Operator, Deduct</i>	-3,670.81	
01 22 23 00-0864	MO	2,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
		<i>For Equipment Without Operator, Deduct</i>	-15,906.85	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.36	
01 22 23 00-0865	DAY	2,500 PSI Pressure Washer With Full-Time Operator	843.88	
		<i>For Equipment Without Operator, Deduct</i>	-734.16	
		<i>For Half Day Usage, Deduct</i>	-401.37	
01 22 23 00-0866	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,949.33	
		<i>For Equipment Without Operator, Deduct</i>	-3,670.81	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0867 MO 2,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	16,615.81 -15,906.85 -28.36	
01 22 23 00-0868 DAY 3,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	843.88 -734.16 -401.37	
01 22 23 00-0869 WK 3,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	3,949.33 -3,670.81	
01 22 23 00-0870 MO 3,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	16,615.81 -15,906.85 -28.36	
01 22 23 00-0871 DAY 3,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	852.32 -734.16 -404.01	
01 22 23 00-0872 WK 3,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	3,974.65 -3,670.81	
01 22 23 00-0873 MO 3,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	16,683.33 -15,906.85 -31.06	
01 22 23 00-0874 DAY 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	886.08 -734.16 -414.56	
01 22 23 00-0875 WK 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	4,084.37 -3,670.81	
01 22 23 00-0876 MO 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	17,063.13 -15,906.85 -46.25	
01 22 23 00-0877 DAY 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	902.96 -734.16 -419.83	
01 22 23 00-0878 WK 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	4,126.57 -3,670.81	
01 22 23 00-0879 MO 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	17,189.73 -15,906.85 -51.32	
01 22 23 00-0880 Confined Space Entry Equipment (01 22 23 00-0833)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0881 DAY Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'. For Half Day Usage, Deduct	46.63 -14.57	
01 22 23 00-0882 WK Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	139.90	
01 22 23 00-0883 MO Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'. For >6 Months (>26 Weeks), Deduct	417.47 -16.70	
01 22 23 00-0884 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly For Half Day Usage, Deduct	66.13 -20.67	
01 22 23 00-0885 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0886 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly For >6 Months (>26 Weeks), Deduct	595.14 -23.81	
01 22 23 00-0887 DAY Confined Space Air Monitor Personnel Note: Per person day. For Half Day Usage, Deduct	734.16 -367.08	
01 22 23 00-0888 Mowers (01 22 23 00-0833)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0889 DAY 21" Walk Behind Lawn Mower For Half Day Usage, Deduct	96.73 -30.23	
01 22 23 00-0890 WK 21" Walk Behind Lawn Mower	278.10	
01 22 23 00-0891 MO 21" Walk Behind Lawn Mower For >6 Months (>26 Weeks), Deduct	568.30 -22.73	
01 22 23 00-0892 DAY 32" Walk Behind Lawn Mower For Half Day Usage, Deduct	120.92 -37.79	
01 22 23 00-0893 WK 32" Walk Behind Lawn Mower	290.20	
01 22 23 00-0894 MO 32" Walk Behind Lawn Mower For >6 Months (>26 Weeks), Deduct	604.58 -24.18	
01 22 23 00-0895 DAY 36" To 48" Walk Behind Deck Mower For Half Day Usage, Deduct	217.65 -68.02	
01 22 23 00-0896 WK 36" To 48" Walk Behind Deck Mower	604.58	
01 22 23 00-0897 MO 36" To 48" Walk Behind Deck Mower For >6 Months (>26 Weeks), Deduct	1,753.27 -70.13	
01 22 23 00-0898 DAY 61" To 72" Walk Behind Deck Mower For Half Day Usage, Deduct	217.65 -68.02	
01 22 23 00-0899 WK 61" To 72" Walk Behind Deck Mower	604.58	
01 22 23 00-0900 MO 61" To 72" Walk Behind Deck Mower For >6 Months (>26 Weeks), Deduct	1,753.27 -70.13	
01 22 23 00-0901 Trailer Mounted Brush Chipper (01 22 23 00-0833)		
Note: Includes delivery to job site and pick-up when complete.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0902 DAY 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	187.47	
For Half Day Usage, Deduct	-58.58	
01 22 23 00-0903 WK 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	448.30	
01 22 23 00-0904 MO 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,377.52	
For >6 Months (>26 Weeks), Deduct	-55.10	
01 22 23 00-0905 DAY 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	244.53	
For Half Day Usage, Deduct	-76.42	
01 22 23 00-0906 WK 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	551.01	
01 22 23 00-0907 MO 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,467.18	
For >6 Months (>26 Weeks), Deduct	-58.69	
01 22 23 00-0908 DAY 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	456.46	
For Half Day Usage, Deduct	-142.64	
01 22 23 00-0909 WK 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,027.03	
01 22 23 00-0910 MO 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	2,738.74	
For >6 Months (>26 Weeks), Deduct	-109.55	
01 22 23 00-0911 DAY 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	540.90	
For Half Day Usage, Deduct	-169.03	
01 22 23 00-0912 WK 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,217.02	
01 22 23 00-0913 MO 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	3,245.40	
For >6 Months (>26 Weeks), Deduct	-129.82	
01 22 23 00-0914 Material Handling Equipment (01 22 23)		
01 22 23 00-0915 Truck Mounted Hydraulic Cranes (01 22 23 00-0914)		
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 00-0916 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,549.74	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-683.32	
01 22 23 00-0917 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,786.51	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0918 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,450.33	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-178.08	
01 22 23 00-0919 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,678.99	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-723.71	
01 22 23 00-0920 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,170.67	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0921 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,599.21	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-224.03	
01 22 23 00-0922 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,808.24	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-764.10	
01 22 23 00-0923 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,554.83	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0924 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,748.09	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-269.99	
01 22 23 00-0925 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,980.57	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-817.95	
01 22 23 00-0926 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,071.82	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0927 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,291.90	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-331.74	
01 22 23 00-0928 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,138.55	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-867.32	
01 22 23 00-0929 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,141.72	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0930 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,498.71	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-460.01	
01 22 23 00-0931 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,511.93	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-984.00	
01 22 23 00-0932 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,477.29	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0933 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	38,508.30	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-620.40	
01 22 23 00-0934 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,748.89	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,058.05	
01 22 23 00-0935 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,310.23	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0936 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,012.86	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-720.58	



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01 22 23 00-0937 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,935.58	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,116.39	
01 22 23 00-0938 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,985.19	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0939 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,034.89	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-801.46	
01 22 23 00-0940 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,122.27	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,174.74	
01 22 23 00-0941 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,660.16	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0942 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,056.92	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-882.34	
01 22 23 00-0943 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,244.34	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,212.88	
01 22 23 00-0944 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,076.63	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0945 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,320.68	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-932.89	
01 22 23 00-0946 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,409.49	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,264.49	
01 22 23 00-0947 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,694.15	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0948 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,158.89	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,006.42	
01 22 23 00-0949 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,940.85	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,430.54	
01 22 23 00-0950 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,385.16	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0951 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,231.92	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,209.34	
01 22 23 00-0952 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,307.06	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,544.98	
01 22 23 00-0953 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,666.88	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0954 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	57,077.07	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,363.15	
01 22 23 00-0955 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,967.66	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,751.42	
01 22 23 00-0956 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,979.00	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0957 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,013.44	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,640.60	
01 22 23 00-0958 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,427.21	
For Equipment Without Operator, Deduct	-1,061.47	
For Half Day Usage, Deduct	-1,895.03	
01 22 23 00-0959 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,587.43	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0960 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,838.73	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,833.61	
01 22 23 00-0961 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0914)		
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 00-0962 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,784.79	
For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0963 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,453.84	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0964 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,437.94	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-737.58	
01 22 23 00-0965 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,113.18	
For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0966 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,665.43	
For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0967 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	48,072.73	
For Equipment Without Operator, Deduct	-22,998.42	
For >6 Months (>26 Weeks), Deduct	-1,002.97	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0968 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,328.60 -1,061.47	
01 22 23 00-0969 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,237.96 -5,307.33	
01 22 23 00-0970 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	52,788.88 -22,998.42 -1,191.62	
01 22 23 00-0971 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,759.43 -1,061.47	
01 22 23 00-0972 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,810.49 -5,307.33	
01 22 23 00-0973 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	57,499.29 -22,998.42 -1,380.03	
01 22 23 00-0974 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,964.07 -1,061.47	
01 22 23 00-0975 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,383.02 -5,307.33	
01 22 23 00-0976 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	62,221.18 -22,998.42 -1,568.91	
01 22 23 00-0977 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,168.72 -1,061.47	
01 22 23 00-0978 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,955.55 -5,307.33	
01 22 23 00-0979 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	66,943.08 -22,998.42 -1,757.79	
01 22 23 00-0980 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,843.68 -1,061.47	
01 22 23 00-0981 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,375.38 -5,307.33	
01 22 23 00-0982 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	74,192.51 -22,998.42 -2,047.76	
01 22 23 00-0983 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,994.01 -1,061.47	
01 22 23 00-0984 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,167.21 -5,307.33	
01 22 23 00-0985 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	118,585.24 -22,998.42 -3,823.47	
01 22 23 00-0986 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0914)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0987 DAY 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,647.62 -990.30 -700.56	
01 22 23 00-0988 WK 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,560.21 -4,951.50	
01 22 23 00-0989 MO 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	24,916.12 -21,456.52 -138.38	
01 22 23 00-0990 DAY 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,716.82 -990.30 -722.19	
01 22 23 00-0991 WK 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,715.90 -4,951.50	
01 22 23 00-0992 MO 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,262.08 -21,456.52 -152.22	
01 22 23 00-0993 DAY 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,699.52 -990.30 -716.78	
01 22 23 00-0994 WK 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,793.74 -4,951.50	
01 22 23 00-0995 MO 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,781.02 -21,456.52 -172.98	
01 22 23 00-0996 DAY 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,898.44 -990.30 -778.94	
01 22 23 00-0997 WK 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,312.68 -4,951.50	
01 22 23 00-0998 MO 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,991.88 -21,456.52 -221.41	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0999			Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0914) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1000	DAY		5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,417.56	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	85.45	
			For Half Day Usage, Deduct	-628.67	
01 22 23 00-1001	WK		5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,118.25	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	233.35	
01 22 23 00-1002	MO		5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,126.90	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	534.08	
			For >6 Months (>26 Weeks), Deduct	-106.82	
01 22 23 00-1003	DAY		6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,440.05	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	89.95	
			For Half Day Usage, Deduct	-635.70	
01 22 23 00-1004	WK		6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,179.66	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	245.63	
01 22 23 00-1005	MO		6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,267.44	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	562.18	
			For >6 Months (>26 Weeks), Deduct	-112.44	
01 22 23 00-1006	DAY		8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,561.13	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	114.17	
			For Half Day Usage, Deduct	-673.53	
01 22 23 00-1007	WK		8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,516.97	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	313.09	
01 22 23 00-1008	MO		8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,045.86	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	717.87	
			For >6 Months (>26 Weeks), Deduct	-143.57	
01 22 23 00-1009	DAY		10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,627.82	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	127.50	
			For Half Day Usage, Deduct	-694.38	
01 22 23 00-1010	WK		10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,488.08	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	307.32	
01 22 23 00-1011	MO		10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,281.63	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	765.02	
			For >6 Months (>26 Weeks), Deduct	-153.00	
01 22 23 00-1012			Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0914) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1013	DAY		5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,353.56	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	72.65	
			For Half Day Usage, Deduct	-608.67	
01 22 23 00-1014	WK		5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,781.80	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	166.06	
01 22 23 00-1015	MO		5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,445.79	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	397.85	
			For >6 Months (>26 Weeks), Deduct	-79.57	
01 22 23 00-1016	DAY		6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,362.21	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	74.38	
			For Half Day Usage, Deduct	-611.37	
01 22 23 00-1017	WK		6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,807.75	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	171.25	
01 22 23 00-1018	MO		6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,506.33	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	409.96	
			For >6 Months (>26 Weeks), Deduct	-81.99	
01 22 23 00-1019	DAY		8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,543.84	
			For Equipment Without Operator, Deduct	-990.30	
			For Propane Instead Of Gas Or Diesel, Add	110.71	
			For Half Day Usage, Deduct	-668.13	
01 22 23 00-1020	WK		8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,205.60	
			For Equipment Without Operator, Deduct	-4,951.50	
			For Propane Instead Of Gas Or Diesel, Add	250.82	
01 22 23 00-1021	MO		8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,483.67	
			For Equipment Without Operator, Deduct	-21,456.52	
			For Propane Instead Of Gas Or Diesel, Add	605.43	
			For >6 Months (>26 Weeks), Deduct	-121.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1022	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,561.13	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	114.17	
		<i>For Half Day Usage, Deduct</i>	-673.53	
01 22 23 00-1023	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,352.64	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	280.23	
01 22 23 00-1024	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,002.61	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	709.22	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-141.84	
01 22 23 00-1025	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,716.82	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	145.30	
		<i>For Half Day Usage, Deduct</i>	-722.19	
01 22 23 00-1026	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,603.46	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	330.39	
01 22 23 00-1027	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,435.06	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	795.71	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-159.14	
01 22 23 00-1028 Chain Hoists (01 22 23 00-0914)				
Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-1029	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		<i>For Half Day Usage, Deduct</i>	-3.91	
01 22 23 00-1030	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1031	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-3.86	
01 22 23 00-1032	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		<i>For Half Day Usage, Deduct</i>	-10.96	
01 22 23 00-1033	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1034	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-9.26	
01 22 23 00-1035	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		<i>For Half Day Usage, Deduct</i>	-14.08	
01 22 23 00-1036	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1037	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-13.52	
01 22 23 00-1038	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		<i>For Half Day Usage, Deduct</i>	-27.78	
01 22 23 00-1039	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1040	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-25.04	
01 22 23 00-1041	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		<i>For Half Day Usage, Deduct</i>	-28.17	
01 22 23 00-1042	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1043	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-26.29	
01 22 23 00-1044	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		<i>For Half Day Usage, Deduct</i>	-28.95	
01 22 23 00-1045	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1046	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.80	
01 22 23 00-1047 Roof Swing Hoist (01 22 23 00-0914)				
Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-1048	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
		<i>For Half Day Usage, Deduct</i>	-32.31	
01 22 23 00-1049	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-1050	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-49.62	
01 22 23 00-1051 Truck Mounted Digger Derrick (01 22 23 00-0914)				
Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.				
01 22 23 00-1052	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,741.29	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47	
		<i>For Half Day Usage, Deduct</i>	-743.18	
01 22 23 00-1053	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,346.79	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33	
01 22 23 00-1054	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,436.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-217.54	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1055	DAY		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,881.02 -1,061.47 -786.84	
01 22 23 00-1056	WK		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct	7,765.98 -5,307.33	
01 22 23 00-1057	MO		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,554.83 -22,998.42 -262.26	
01 22 23 00-1058	DAY		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,744.48 -1,061.47 -1,056.68	
01 22 23 00-1059	WK		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct	10,356.36 -5,307.33	
01 22 23 00-1060	MO		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	36,462.50 -22,998.42 -538.56	
01 22 23 00-1061			Pumping Equipment (01 22 23)		
01 22 23 00-1062			Gas Powered Portable Centrifugal Pumps (01 22 23 00-1061) Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1086 for larger diameter pumps.		
01 22 23 00-1063	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	82.98 33.19 66.38	
01 22 23 00-1064	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	186.70 74.68 149.36	
01 22 23 00-1065	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	497.88 199.15 398.30 -19.92	
01 22 23 00-1066	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	99.58 39.83 79.66	
01 22 23 00-1067	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	224.05 89.62 179.24	
01 22 23 00-1068	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	597.46 238.98 477.97 -23.90	
01 22 23 00-1069			Gas Powered Portable Diaphragm Pumps (01 22 23 00-1061) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1070	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	95.43 38.17 76.34	
01 22 23 00-1071	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	269.68 107.87 215.74	
01 22 23 00-1072	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	684.58 273.83 547.66 -27.38	
01 22 23 00-1073	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	116.17 46.47 92.94	
01 22 23 00-1074	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	311.18 124.47 248.94	
01 22 23 00-1075	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	881.66 352.66 705.33 -35.27	
01 22 23 00-1076			Gas Powered Portable Trash Pumps (01 22 23 00-1061) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1077	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	120.32 48.13 96.26	

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01 22 23 00-1078	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	248.94	
		For >40 To 80 Hours Usage Per Week, Add	99.58	
		For >80 Hours Usage Per Week, Add	199.15	
01 22 23 00-1079	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	746.82	
		For >160 To 320 Hours Usage Per Month, Add	298.73	
		For >320 Hours Usage Per Month, Add	597.46	
		For >6 Months (>26 Weeks), Deduct	-29.87	
01 22 23 00-1080	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	120.32	
		For >8 To 16 Hours Usage Per Day, Add	48.13	
		For >16 To 24 Hours Usage Per Day, Add	96.26	
01 22 23 00-1081	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	321.55	
		For >40 To 80 Hours Usage Per Week, Add	128.62	
		For >80 Hours Usage Per Week, Add	257.24	
01 22 23 00-1082	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	881.66	
		For >160 To 320 Hours Usage Per Month, Add	352.66	
		For >320 Hours Usage Per Month, Add	705.33	
		For >6 Months (>26 Weeks), Deduct	-35.27	
01 22 23 00-1083	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	190.85	
		For >8 To 16 Hours Usage Per Day, Add	76.34	
		For >16 To 24 Hours Usage Per Day, Add	152.68	
01 22 23 00-1084	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	539.37	
		For >40 To 80 Hours Usage Per Week, Add	215.75	
		For >80 Hours Usage Per Week, Add	431.50	
01 22 23 00-1085	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,566.25	
		For >160 To 320 Hours Usage Per Month, Add	626.50	
		For >320 Hours Usage Per Month, Add	1,253.00	
		For >6 Months (>26 Weeks), Deduct	-62.65	
01 22 23 00-1086 Diesel Powered Portable Trash Pumps (01 22 23 00-1061)				
Note: Includes delivery, set-up, and removal. Excludes operator.				
01 22 23 00-1087	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	373.41	
		For >8 To 16 Hours Usage Per Day, Add	149.36	
		For >16 To 24 Hours Usage Per Day, Add	298.73	
01 22 23 00-1088	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,016.50	
		For >40 To 80 Hours Usage Per Week, Add	406.60	
		For >80 Hours Usage Per Week, Add	813.20	
01 22 23 00-1089	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,429.06	
		For >160 To 320 Hours Usage Per Month, Add	1,771.62	
		For >320 Hours Usage Per Month, Add	3,543.25	
		For >6 Months (>26 Weeks), Deduct	-177.16	
01 22 23 00-1090	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	570.49	
		For >8 To 16 Hours Usage Per Day, Add	228.20	
		For >16 To 24 Hours Usage Per Day, Add	456.39	
01 22 23 00-1091	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,493.64	
		For >40 To 80 Hours Usage Per Week, Add	597.46	
		For >80 Hours Usage Per Week, Add	1,194.91	
01 22 23 00-1092	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,972.67	
		For >160 To 320 Hours Usage Per Month, Add	1,589.07	
		For >320 Hours Usage Per Month, Add	3,178.14	
		For >6 Months (>26 Weeks), Deduct	-158.91	
01 22 23 00-1093	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	775.86	
		For >8 To 16 Hours Usage Per Day, Add	310.34	
		For >16 To 24 Hours Usage Per Day, Add	620.69	
01 22 23 00-1094	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,076.57	
		For >40 To 80 Hours Usage Per Week, Add	830.63	
		For >80 Hours Usage Per Week, Add	1,661.26	
01 22 23 00-1095	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,555.51	
		For >160 To 320 Hours Usage Per Month, Add	2,222.20	
		For >320 Hours Usage Per Month, Add	4,444.41	
		For >6 Months (>26 Weeks), Deduct	-222.22	
01 22 23 00-1096	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,004.06	
		For >8 To 16 Hours Usage Per Day, Add	401.62	
		For >16 To 24 Hours Usage Per Day, Add	803.25	
01 22 23 00-1097	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,564.08	
		For >40 To 80 Hours Usage Per Week, Add	1,025.63	
		For >80 Hours Usage Per Week, Add	2,051.26	
01 22 23 00-1098	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,530.44	
		For >160 To 320 Hours Usage Per Month, Add	3,012.18	
		For >320 Hours Usage Per Month, Add	6,024.35	
		For >6 Months (>26 Weeks), Deduct	-301.22	
01 22 23 00-1099 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1061)				
Note: Includes delivery, set-up, and removal. Excludes operator.				
01 22 23 00-1100	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	533.15	
		For >8 To 16 Hours Usage Per Day, Add	213.26	
		For >16 To 24 Hours Usage Per Day, Add	426.52	
01 22 23 00-1101	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,213.58	
		For >40 To 80 Hours Usage Per Week, Add	485.43	
		For >80 Hours Usage Per Week, Add	970.86	
01 22 23 00-1102	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,783.89	
		For >160 To 320 Hours Usage Per Month, Add	1,513.56	
		For >320 Hours Usage Per Month, Add	3,027.11	
		For >6 Months (>26 Weeks), Deduct	-151.36	



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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-1103	DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	653.47		
	For >8 To 16 Hours Usage Per Day, Add	261.39		
	For >16 To 24 Hours Usage Per Day, Add	522.78		
01 22 23 00-1104	WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,628.48		
	For >40 To 80 Hours Usage Per Week, Add	651.39		
	For >80 Hours Usage Per Week, Add	1,302.78		
01 22 23 00-1105	MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,429.06		
	For >160 To 320 Hours Usage Per Month, Add	1,771.62		
	For >320 Hours Usage Per Month, Add	3,543.25		
	For >6 Months (>26 Weeks), Deduct	-177.16		
01 22 23 00-1106	DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	788.31		
	For >8 To 16 Hours Usage Per Day, Add	315.32		
	For >16 To 24 Hours Usage Per Day, Add	630.65		
01 22 23 00-1107	WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,331.74		
	For >40 To 80 Hours Usage Per Week, Add	932.70		
	For >80 Hours Usage Per Week, Add	1,865.39		
01 22 23 00-1108	MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,503.56		
	For >160 To 320 Hours Usage Per Month, Add	2,601.42		
	For >320 Hours Usage Per Month, Add	5,202.85		
	For >6 Months (>26 Weeks), Deduct	-260.14		
01 22 23 00-1109	DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,186.61		
	For >8 To 16 Hours Usage Per Day, Add	474.64		
	For >16 To 24 Hours Usage Per Day, Add	949.29		
01 22 23 00-1110	WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,030.84		
	For >40 To 80 Hours Usage Per Week, Add	1,212.34		
	For >80 Hours Usage Per Week, Add	2,424.67		
01 22 23 00-1111	MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,899.60		
	For >160 To 320 Hours Usage Per Month, Add	3,559.84		
	For >320 Hours Usage Per Month, Add	7,119.68		
	For >6 Months (>26 Weeks), Deduct	-355.98		
01 22 23 00-1112	3 Phase Electric Submersible Pumps (01 22 23 00-1061)			
	Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1113	DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	207.45		
01 22 23 00-1114	WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	518.62		
01 22 23 00-1115	MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,555.88		
	For >6 Months (>26 Weeks), Deduct	-62.24		
01 22 23 00-1116	DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	273.83		
01 22 23 00-1117	WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	684.58		
01 22 23 00-1118	MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,053.76		
	For >6 Months (>26 Weeks), Deduct	-82.15		
01 22 23 00-1119	Suction Hose With Couplings (01 22 23 00-1061)			
	Note: Includes delivery, set-up, and removal.			
01 22 23 00-1120	DAY Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43		
	For Half Day Usage, Deduct	-2.01		
01 22 23 00-1121	WK Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08		
01 22 23 00-1122	MO Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32		
	For >6 Months (>26 Weeks), Deduct	-1.97		
01 22 23 00-1123	DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15		
	For Half Day Usage, Deduct	-5.36		
01 22 23 00-1124	WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96		
01 22 23 00-1125	MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01		
	For >6 Months (>26 Weeks), Deduct	-5.36		
01 22 23 00-1126	DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73		
	For Half Day Usage, Deduct	-8.04		
01 22 23 00-1127	WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40		
01 22 23 00-1128	MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34		
	For >6 Months (>26 Weeks), Deduct	-7.93		
01 22 23 00-1129	DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16		
	For Half Day Usage, Deduct	-10.05		
01 22 23 00-1130	WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41		
01 22 23 00-1131	MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86		
	For >6 Months (>26 Weeks), Deduct	-9.43		
01 22 23 00-1132	DAY 10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05		
	For Half Day Usage, Deduct	-23.45		
01 22 23 00-1133	WK 10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98		
01 22 23 00-1134	MO 10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21		
	For >6 Months (>26 Weeks), Deduct	-22.73		
01 22 23 00-1135	DAY 12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78		
	For Half Day Usage, Deduct	-31.49		
01 22 23 00-1136	WK 12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78		
01 22 23 00-1137	MO 12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34		
	For >6 Months (>26 Weeks), Deduct	-26.37		

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MINOR
CSI UOM DESCRIPTION

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UNIT COST UNIT COST

01 22 23 00-1138		Discharge Hose With Couplings (01 22 23 00-1061)	
		Note: Includes delivery, set-up, and removal.	
01 22 23 00-1139	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43
		For Half Day Usage, Deduct	-2.01
01 22 23 00-1140	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08
01 22 23 00-1141	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32
		For >6 Months (>26 Weeks), Deduct	-1.97
01 22 23 00-1142	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50
		For Half Day Usage, Deduct	-2.34
01 22 23 00-1143	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23
01 22 23 00-1144	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82
		For >6 Months (>26 Weeks), Deduct	-2.27
01 22 23 00-1145	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58
		For Half Day Usage, Deduct	-2.68
01 22 23 00-1146	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44
01 22 23 00-1147	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40
		For >6 Months (>26 Weeks), Deduct	-2.62
01 22 23 00-1148	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51
		For Half Day Usage, Deduct	-7.03
01 22 23 00-1149	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89
01 22 23 00-1150	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18
		For >6 Months (>26 Weeks), Deduct	-6.65
01 22 23 00-1151	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87
		For Half Day Usage, Deduct	-8.71
01 22 23 00-1152	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12
01 22 23 00-1153	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06
		For >6 Months (>26 Weeks), Deduct	-8.36
01 22 23 00-1154	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44
		For Half Day Usage, Deduct	-6.70
01 22 23 00-1155	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60
01 22 23 00-1156	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82
		For >6 Months (>26 Weeks), Deduct	-6.43
01 22 23 00-1157	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68
		For Half Day Usage, Deduct	-17.09
01 22 23 00-1158	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37
01 22 23 00-1159	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76
		For >6 Months (>26 Weeks), Deduct	-16.51
01 22 23 00-1160		Hydraulic Submersible Pumps (01 22 23 00-1061)	
		Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-1161		Hydraulic Submersible Pumps (01 22 23 00-1160)	
		Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-1162	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	136.92
		For >8 To 16 Hours Usage Per Day, Add	54.77
		For >16 To 24 Hours Usage Per Day, Add	109.54
01 22 23 00-1163	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	367.19
		For >40 To 80 Hours Usage Per Week, Add	146.88
		For >80 Hours Usage Per Week, Add	293.75
01 22 23 00-1164	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,026.88
		For >160 To 320 Hours Usage Per Month, Add	410.75
		For >320 Hours Usage Per Month, Add	821.50
		For >6 Months (>26 Weeks), Deduct	-41.08
01 22 23 00-1165	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	174.26
		For >8 To 16 Hours Usage Per Day, Add	69.70
		For >16 To 24 Hours Usage Per Day, Add	139.41
01 22 23 00-1166	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	448.09
		For >40 To 80 Hours Usage Per Week, Add	179.24
		For >80 Hours Usage Per Week, Add	358.47
01 22 23 00-1167	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,369.17
		For >160 To 320 Hours Usage Per Month, Add	547.67
		For >320 Hours Usage Per Month, Add	1,095.34
		For >6 Months (>26 Weeks), Deduct	-54.77
01 22 23 00-1168		Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1160)	
		Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-1169	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	316.36
		For >8 To 16 Hours Usage Per Day, Add	126.54
		For >16 To 24 Hours Usage Per Day, Add	253.09
01 22 23 00-1170	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	943.90
		For >40 To 80 Hours Usage Per Week, Add	377.56
		For >80 Hours Usage Per Week, Add	755.12
01 22 23 00-1171	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,489.40
		For >160 To 320 Hours Usage Per Month, Add	995.76
		For >320 Hours Usage Per Month, Add	1,991.52
		For >6 Months (>26 Weeks), Deduct	-99.58
01 22 23 00-1172		HDPE Pipe With Couplings (01 22 23 00-1061)	
		Note: Includes delivery, set-up, and removal.	
01 22 23 00-1173	DAY	4" x 50' HDPE Pipe With Couplings	18.42
		For Half Day Usage, Deduct	-5.76



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01 22 23 00-1174 WK 4" x 50' HDPE Pipe With Couplings.....	44.21	
01 22 23 00-1175 MO 4" x 50' HDPE Pipe With Couplings.....	136.30	
For >6 Months (>26 Weeks), Deduct	-5.45	
DAY 6" x 50' HDPE Pipe With Couplings.....	29.47	
For Half Day Usage, Deduct	-9.21	
01 22 23 00-1177 WK 6" x 50' HDPE Pipe With Couplings.....	73.68	
01 22 23 00-1178 MO 6" x 50' HDPE Pipe With Couplings.....	224.71	
For >6 Months (>26 Weeks), Deduct	-8.99	
DAY 8" x 50' HDPE Pipe With Couplings.....	47.89	
For Half Day Usage, Deduct	-14.97	
01 22 23 00-1180 WK 8" x 50' HDPE Pipe With Couplings.....	125.25	
01 22 23 00-1181 MO 8" x 50' HDPE Pipe With Couplings.....	372.06	
For >6 Months (>26 Weeks), Deduct	-14.88	
DAY 10" x 50' HDPE Pipe With Couplings.....	58.94	
For Half Day Usage, Deduct	-18.42	
01 22 23 00-1183 WK 10" x 50' HDPE Pipe With Couplings.....	151.04	
01 22 23 00-1184 MO 10" x 50' HDPE Pipe With Couplings.....	460.48	
For >6 Months (>26 Weeks), Deduct	-18.42	
DAY 12" x 20' HDPE Pipe With Couplings.....	44.21	
For Half Day Usage, Deduct	-13.82	
01 22 23 00-1186 WK 12" x 20' HDPE Pipe With Couplings.....	121.57	
01 22 23 00-1187 MO 12" x 20' HDPE Pipe With Couplings.....	368.38	
For >6 Months (>26 Weeks), Deduct	-14.74	
DAY 4" Elbow For HDPE Pipe, Quick Connect.....	44.21	
For Half Day Usage, Deduct	-13.82	
01 22 23 00-1189 WK 4" Elbow For HDPE Pipe, Quick Connect.....	114.20	
01 22 23 00-1190 MO 4" Elbow For HDPE Pipe, Quick Connect.....	338.91	
For >6 Months (>26 Weeks), Deduct	-13.56	
DAY 6" Elbow For HDPE Pipe, Quick Connect.....	51.57	
For Half Day Usage, Deduct	-16.12	
01 22 23 00-1192 WK 6" Elbow For HDPE Pipe, Quick Connect.....	132.62	
01 22 23 00-1193 MO 6" Elbow For HDPE Pipe, Quick Connect.....	405.22	
For >6 Months (>26 Weeks), Deduct	-16.21	
DAY 8" Elbow For HDPE Pipe, Quick Connect.....	58.94	
For Half Day Usage, Deduct	-18.42	
01 22 23 00-1195 WK 8" Elbow For HDPE Pipe, Quick Connect.....	151.04	
01 22 23 00-1196 MO 8" Elbow For HDPE Pipe, Quick Connect.....	460.48	
For >6 Months (>26 Weeks), Deduct	-18.42	
DAY 10" Elbow For HDPE Pipe, Quick Connect.....	73.68	
For Half Day Usage, Deduct	-23.03	
01 22 23 00-1198 WK 10" Elbow For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1199 MO 10" Elbow For HDPE Pipe, Quick Connect.....	570.99	
For >6 Months (>26 Weeks), Deduct	-22.84	
DAY 12" Elbow For HDPE Pipe, Quick Connect.....	73.68	
For Half Day Usage, Deduct	-23.03	
01 22 23 00-1201 WK 12" Elbow For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1202 MO 12" Elbow For HDPE Pipe, Quick Connect.....	570.99	
For >6 Months (>26 Weeks), Deduct	-22.84	
DAY 4" Tee For HDPE Pipe, Quick Connect.....	44.21	
For Half Day Usage, Deduct	-13.82	
01 22 23 00-1204 WK 4" Tee For HDPE Pipe, Quick Connect.....	114.20	
01 22 23 00-1205 MO 4" Tee For HDPE Pipe, Quick Connect.....	338.91	
For >6 Months (>26 Weeks), Deduct	-13.56	
DAY 6" Tee For HDPE Pipe, Quick Connect.....	58.94	
For Half Day Usage, Deduct	-18.42	
01 22 23 00-1207 WK 6" Tee For HDPE Pipe, Quick Connect.....	151.04	
01 22 23 00-1208 MO 6" Tee For HDPE Pipe, Quick Connect.....	460.48	
For >6 Months (>26 Weeks), Deduct	-18.42	
DAY 8" Tee For HDPE Pipe, Quick Connect.....	73.68	
For Half Day Usage, Deduct	-23.03	
01 22 23 00-1210 WK 8" Tee For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1211 MO 8" Tee For HDPE Pipe, Quick Connect.....	570.99	
For >6 Months (>26 Weeks), Deduct	-22.84	
DAY 10" Tee For HDPE Pipe, Quick Connect.....	88.41	
For Half Day Usage, Deduct	-27.63	
01 22 23 00-1213 WK 10" Tee For HDPE Pipe, Quick Connect.....	224.71	
01 22 23 00-1214 MO 10" Tee For HDPE Pipe, Quick Connect.....	681.50	
For >6 Months (>26 Weeks), Deduct	-27.26	
DAY 12" Tee For HDPE Pipe, Quick Connect.....	88.41	
For Half Day Usage, Deduct	-27.63	
01 22 23 00-1216 WK 12" Tee For HDPE Pipe, Quick Connect.....	224.71	
01 22 23 00-1217 MO 12" Tee For HDPE Pipe, Quick Connect.....	681.50	
For >6 Months (>26 Weeks), Deduct	-27.26	
DAY 4" Cap For HDPE Pipe, Quick Connect.....	7.37	
For Half Day Usage, Deduct	-2.30	
01 22 23 00-1219 WK 4" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1220 MO 4" Cap For HDPE Pipe, Quick Connect.....	66.31	
For >6 Months (>26 Weeks), Deduct	-2.65	
DAY 6" Cap For HDPE Pipe, Quick Connect.....	7.37	
For Half Day Usage, Deduct	-2.30	
01 22 23 00-1222 WK 6" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1223 MO 6" Cap For HDPE Pipe, Quick Connect.....	66.31	
For >6 Months (>26 Weeks), Deduct	-2.65	

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01 22 23 00-1224 DAY 8" Cap For HDPE Pipe, Quick Connect.....	7.37	
For Half Day Usage, Deduct	-2.30	
01 22 23 00-1225 WK 8" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1226 MO 8" Cap For HDPE Pipe, Quick Connect.....	66.31	
For >6 Months (>26 Weeks), Deduct	-2.65	
01 22 23 00-1227 DAY 10" Cap For HDPE Pipe, Quick Connect.....	7.37	
For Half Day Usage, Deduct	-2.30	
01 22 23 00-1228 WK 10" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1229 MO 10" Cap For HDPE Pipe, Quick Connect.....	66.31	
For >6 Months (>26 Weeks), Deduct	-2.65	
01 22 23 00-1230 DAY 12" Cap For HDPE Pipe, Quick Connect.....	7.37	
For Half Day Usage, Deduct	-2.30	
01 22 23 00-1231 WK 12" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1232 MO 12" Cap For HDPE Pipe, Quick Connect.....	66.31	
For >6 Months (>26 Weeks), Deduct	-2.65	
01 22 23 00-1233 DAY 4" Wye For HDPE Pipe, Quick Connect.....	22.10	
For Half Day Usage, Deduct	-6.91	
01 22 23 00-1234 WK 4" Wye For HDPE Pipe, Quick Connect.....	55.26	
01 22 23 00-1235 MO 4" Wye For HDPE Pipe, Quick Connect.....	169.45	
For >6 Months (>26 Weeks), Deduct	-6.78	
01 22 23 00-1236 DAY 6" Wye For HDPE Pipe, Quick Connect.....	25.79	
For Half Day Usage, Deduct	-8.06	
01 22 23 00-1237 WK 6" Wye For HDPE Pipe, Quick Connect.....	66.31	
01 22 23 00-1238 MO 6" Wye For HDPE Pipe, Quick Connect.....	202.61	
For >6 Months (>26 Weeks), Deduct	-8.10	
01 22 23 00-1239 DAY 8" Wye For HDPE Pipe, Quick Connect.....	44.21	
For Half Day Usage, Deduct	-13.82	
01 22 23 00-1240 WK 8" Wye For HDPE Pipe, Quick Connect.....	114.20	
01 22 23 00-1241 MO 8" Wye For HDPE Pipe, Quick Connect.....	338.91	
For >6 Months (>26 Weeks), Deduct	-13.56	
01 22 23 00-1242 DAY 10" Wye For HDPE Pipe, Quick Connect.....	66.31	
For Half Day Usage, Deduct	-20.72	
01 22 23 00-1243 WK 10" Wye For HDPE Pipe, Quick Connect.....	169.45	
01 22 23 00-1244 MO 10" Wye For HDPE Pipe, Quick Connect.....	515.73	
For >6 Months (>26 Weeks), Deduct	-20.63	
01 22 23 00-1245 DAY 12" Wye For HDPE Pipe, Quick Connect.....	66.31	
For Half Day Usage, Deduct	-20.72	
01 22 23 00-1246 WK 12" Wye For HDPE Pipe, Quick Connect.....	169.45	
01 22 23 00-1247 MO 12" Wye For HDPE Pipe, Quick Connect.....	515.73	
For >6 Months (>26 Weeks), Deduct	-20.63	
01 22 23 00-1248 Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1249 Trucks (01 22 23 00-1248)		
Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1250 Flat Bed Trucks (01 22 23 00-1249)		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1251 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	1,103.88	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-494.87	
01 22 23 00-1252 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	4,795.41	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1253 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	19,337.64	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-80.62	
01 22 23 00-1254 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	1,235.51	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-536.00	
01 22 23 00-1255 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	5,132.72	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1256 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	20,201.47	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-115.18	
01 22 23 00-1257 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	1,329.96	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-565.52	
01 22 23 00-1258 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	5,493.72	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1259 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	21,575.38	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-170.13	
01 22 23 00-1260 Light Off-Road Utility Passenger Vehicles (01 22 23 00-1249)		
01 22 23 00-1261 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	309.84	
For Half Day Usage, Deduct	-96.83	
01 22 23 00-1262 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	716.50	
01 22 23 00-1263 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	1,549.20	
For >6 Months (>26 Weeks), Deduct	-61.97	
01 22 23 00-1264 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	319.52	
For Half Day Usage, Deduct	-99.85	
01 22 23 00-1265 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	745.55	



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01 22 23 00-1266	MO 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle..... For >6 Months (>26 Weeks), Deduct	1,646.02		-65.84
01 22 23 00-1267 Light And Heavy Duty Trucks (01 22 23 00-1249)				
01 22 23 00-1268	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,050.74		-792.29 -476.91
01 22 23 00-1269	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	4,809.48		-3,961.45
01 22 23 00-1270	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	18,943.11		-17,166.28 -71.07
01 22 23 00-1271	DAY 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,099.20		-792.29 -492.05
01 22 23 00-1272	WK 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	4,954.86		-3,961.45
01 22 23 00-1273	MO 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,266.17		-17,166.28 -84.00
01 22 23 00-1274 Boom Trucks (01 22 23 00-1249)				
01 22 23 00-1275	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,366.32		-799.48 -576.88
01 22 23 00-1276	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	5,473.31		-3,997.39
01 22 23 00-1277	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	21,065.30		-17,322.02 -149.73
01 22 23 00-1278 Rear Dump Trucks (01 22 23 00-1249)				
01 22 23 00-1279	DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,175.76		-799.48 -517.33
01 22 23 00-1280	WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	4,991.26		-3,997.39
01 22 23 00-1281	MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,364.98		-17,322.02 -121.72
01 22 23 00-1282	DAY 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,300.50		-799.48 -556.31
01 22 23 00-1283	WK 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	5,377.77		-3,997.39
01 22 23 00-1284	MO 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,900.77		-17,322.02 -143.15
01 22 23 00-1285	DAY 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,372.08		-799.48 -578.68
01 22 23 00-1286	WK 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	5,531.14		-3,997.39
01 22 23 00-1287	MO 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	21,003.02		-17,322.02 -147.24
01 22 23 00-1288	DAY 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,220.76		-799.48 -843.89
01 22 23 00-1289	WK 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	7,279.61		-3,997.39
01 22 23 00-1290	MO 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	25,911.02		-17,322.02 -343.56
01 22 23 00-1291	DAY 18 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,362.88		-799.48 -888.30
01 22 23 00-1292	WK 18 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	7,607.84		-3,997.39
01 22 23 00-1293	MO 18 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	26,769.92		-17,322.02 -377.92
01 22 23 00-1294 Under-Bridge Inspection Trucks (01 22 23 00-1249)				
01 22 23 00-1295	DAY 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	4,747.20		-799.48 -1,633.40
01 22 23 00-1296	WK 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver For Equipment Without Operator, Deduct	21,602.07		-3,997.39

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01 22 23 00-1297 MO 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	79,727.66	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-2,496.23	
01 22 23 00-1298 DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,280.67	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-1,800.11	
01 22 23 00-1299 WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	22,669.01	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1300 MO 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	83,753.83	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-2,657.27	
01 22 23 00-1301 DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,600.76	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-1,900.14	
01 22 23 00-1302 WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	24,269.44	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1303 MO 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	87,780.01	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-2,818.32	
01 22 23 00-1304 DAY 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	6,987.79	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-2,333.59	
01 22 23 00-1305 WK 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	30,671.14	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1306 MO 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	107,910.85	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-3,623.55	
01 22 23 00-1307 Vacuum Trucks (01 22 23 00-1249)		
01 22 23 00-1308 DAY 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,162.29	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-513.12	
01 22 23 00-1309 WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,078.72	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1310 MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,516.21	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-127.77	
01 22 23 00-1311 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,210.53	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-840.69	
01 22 23 00-1312 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,246.90	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1313 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,861.96	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-501.60	
01 22 23 00-1314 Water Trucks (01 22 23 00-1249)		
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1138 for additional discharge hose, 01 22 23 00-1353 for water trailer.		
01 22 23 00-1315 DAY 2,000 Gallon Water Truck With Full-Time Driver	1,439.74	
For Equipment Without Operator, Deduct	-799.48	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For Half Day Usage, Deduct	-599.82	
01 22 23 00-1316 WK 2,000 Gallon Water Truck With Full-Time Driver	5,683.41	
For Equipment Without Operator, Deduct	-3,997.39	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1317 MO 2,000 Gallon Water Truck With Full-Time Driver	21,305.86	
For Equipment Without Operator, Deduct	-17,322.02	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For >6 Months (>26 Weeks), Deduct	-159.35	
01 22 23 00-1318 DAY 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	1,553.56	
For Equipment Without Operator, Deduct	-799.48	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For Half Day Usage, Deduct	-635.39	
01 22 23 00-1319 WK 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	6,473.06	
For Equipment Without Operator, Deduct	-3,997.39	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1320 MO 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	23,489.86	
For Equipment Without Operator, Deduct	-17,322.02	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For >6 Months (>26 Weeks), Deduct	-246.71	
01 22 23 00-1321 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,752.76	
For Equipment Without Operator, Deduct	-799.48	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For Half Day Usage, Deduct	-697.64	
01 22 23 00-1322 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,622.46	
For Equipment Without Operator, Deduct	-3,997.39	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1323 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,724.62	
For Equipment Without Operator, Deduct	-17,322.02	
For Each 1,000 Gallon Of Purchased Water, Add	14.94	
For >6 Months (>26 Weeks), Deduct	-256.10	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1324 Asphalt Distribution Trucks (01 22 23 00-1249)		
01 22 23 00-1325 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,209.59	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-840.40	
01 22 23 00-1326 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,209.61	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1327 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,774.41	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-498.10	
01 22 23 00-1328 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1249)		
01 22 23 00-1329 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,537.70	
For Equipment Without Operator, Deduct	-792.29	
For Half Day Usage, Deduct	-629.09	
01 22 23 00-1330 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,161.37	
For Equipment Without Operator, Deduct	-3,961.45	
01 22 23 00-1331 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,508.71	
For Equipment Without Operator, Deduct	-17,166.28	
For >6 Months (>26 Weeks), Deduct	-213.70	
01 22 23 00-1332 Vacuum Sweeper Trucks For Bridge Decks (01 22 23 00-1249)		
01 22 23 00-1333 DAY Vacuum Sweeper Truck, With Full-Time Truck Driver	2,210.53	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-840.69	
01 22 23 00-1334 WK Vacuum Sweeper Truck, With Full-Time Truck Driver	8,246.90	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1335 MO Vacuum Sweeper Truck, With Full-Time Truck Driver	29,861.96	
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-501.60	
01 22 23 00-1336 Combination Jet/Vacuum Trucks (01 22 23 00-1249)		
01 22 23 00-1337 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,343.09	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-1,194.62	
01 22 23 00-1338 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	15,904.55	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1339 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,786.94	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-1,333.32	
01 22 23 00-1340 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	18,486.57	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1341 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,213.72	
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-1,466.69	
01 22 23 00-1342 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	21,068.59	
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1343 Straight/Box Trucks (01 22 23 00-1249)		
01 22 23 00-1344 DAY 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	929.47	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-799.48	
For Half Day Usage, Deduct	-440.36	
01 22 23 00-1345 WK 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	4,647.32	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1346 MO 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	19,240.56	
Note: Includes 2,500 Lb. lift gate.		
For Equipment Without Operator, Deduct	-17,322.02	
For >6 Months (>26 Weeks), Deduct	-76.74	
01 22 23 00-1347 Truck Mounted Accessories (01 22 23 00-1248)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1348 Truck Mounted Arrow Boards (01 22 23 00-1347)		
01 22 23 00-1349 DAY Truck Mounted Arrow Board	48.88	
For Half Day Usage, Deduct	-15.28	
01 22 23 00-1350 WK Truck Mounted Arrow Board	194.39	
01 22 23 00-1351 MO Truck Mounted Arrow Board	693.14	
For >6 Months (>26 Weeks), Deduct	-27.73	

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TOTAL DIRECT DEMOLITION
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01 22 23 00-1352	Trailers <small>(01 22 23 00-1248)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1353	Water Trailers With Pump <small>(01 22 23 00-1352)</small>		
01 22 23 00-1354	DAY 500 To 600 Gallon Water Trailer With Pump	163.62	
	For Half Day Usage, Deduct	-51.13	
01 22 23 00-1355	WK 500 To 600 Gallon Water Trailer With Pump	419.73	
01 22 23 00-1356	MO 500 To 600 Gallon Water Trailer With Pump	1,124.01	
	For >6 Months (>26 Weeks), Deduct	-44.96	
01 22 23 00-1357	Manual Powered, Full, Rear Dump Trailer <small>(01 22 23 00-1352)</small>		
01 22 23 00-1358	DAY 10 CY, Manual Powered, Full, Rear Dump Trailer	231.22	
	For Half Day Usage, Deduct	-72.26	
01 22 23 00-1359	WK 10 CY, Manual Powered, Full, Rear Dump Trailer	923.13	
01 22 23 00-1360	MO 10 CY, Manual Powered, Full, Rear Dump Trailer	3,306.73	
	For >6 Months (>26 Weeks), Deduct	-132.27	
01 22 23 00-1361	DAY 13 CY, Manual Powered, Full, Rear Dump Trailer	265.70	
	For Half Day Usage, Deduct	-83.03	
01 22 23 00-1362	WK 13 CY, Manual Powered, Full, Rear Dump Trailer	1,062.81	
01 22 23 00-1363	MO 13 CY, Manual Powered, Full, Rear Dump Trailer	3,792.82	
	For >6 Months (>26 Weeks), Deduct	-151.71	
01 22 23 00-1364	DAY 16 CY, Manual Powered, Full, Rear Dump Trailer	297.80	
	For Half Day Usage, Deduct	-93.06	
01 22 23 00-1365	WK 16 CY, Manual Powered, Full, Rear Dump Trailer	1,182.27	
01 22 23 00-1366	MO 16 CY, Manual Powered, Full, Rear Dump Trailer	4,208.02	
	For >6 Months (>26 Weeks), Deduct	-168.32	
01 22 23 00-1367	Hydraulic Lift, Rear Dump Trailers <small>(01 22 23 00-1352)</small>		
01 22 23 00-1368	DAY 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	266.02	
	For Half Day Usage, Deduct	-83.13	
01 22 23 00-1369	WK 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,151.82	
01 22 23 00-1370	MO 30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	4,313.08	
01 22 23 00-1371	DAY 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	329.14	
	For Half Day Usage, Deduct	-102.86	
01 22 23 00-1372	WK 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,431.75	
01 22 23 00-1373	DAY 40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	5,343.65	
	For Half Day Usage, Deduct	-1,669.89	
01 22 23 00-1374	DAY 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	430.42	
	For Half Day Usage, Deduct	-134.51	
01 22 23 00-1375	WK 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,857.89	
01 22 23 00-1376	MO 60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	6,941.22	
01 22 23 00-1377	DAY 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	454.66	
	For Half Day Usage, Deduct	-142.08	
01 22 23 00-1378	WK 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,952.38	
01 22 23 00-1379	MO 80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,265.72	
01 22 23 00-1380	DAY 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	466.43	
	For Half Day Usage, Deduct	-145.76	
01 22 23 00-1381	WK 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,002.31	
01 22 23 00-1382	MO 100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,474.34	
01 22 23 00-1383	Trailer Mounted Equipment <small>(01 22 23 00-1248)</small>		
01 22 23 00-1384	Trailer Mounted Under-Bridge Aerial Access Platform <small>(01 22 23 00-1383)</small> Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1385	DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	3,010.98	
	For Equipment Without Operator, Deduct	-799.48	
	For Half Day Usage, Deduct	-1,090.83	
01 22 23 00-1386	WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,631.88	
	For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1387	MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	35,751.16	
	For Equipment Without Operator, Deduct	-17,322.02	
	For >6 Months (>26 Weeks), Deduct	-737.17	
01 22 23 00-1388	DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,232.13	
	For Equipment Without Operator, Deduct	-799.48	
	For Half Day Usage, Deduct	-1,159.94	
01 22 23 00-1389	WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	11,295.33	
	For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1390	MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	37,594.07	
	For Equipment Without Operator, Deduct	-17,322.02	
	For >6 Months (>26 Weeks), Deduct	-810.88	
01 22 23 00-1391	Trailer Mounted Bridge Stripping Buggy <small>(01 22 23 00-1383)</small>		
01 22 23 00-1392	DAY Trailer Mounted Bridge Overhang Stripping Buggy	250.95	
	For Half Day Usage, Deduct	-78.42	
01 22 23 00-1393	WK Trailer Mounted Bridge Overhang Stripping Buggy	752.87	
01 22 23 00-1394	MO Trailer Mounted Bridge Overhang Stripping Buggy	2,091.22	
	For >6 Months (>26 Weeks), Deduct	-83.65	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1395	Portable Trailer Mounted, CCTV Camera Systems (01 22 23 00-1383) Note: Includes trailer. Excludes truck.	
01 22 23 00-1396	MO Portable Trailer Mounted, Single Camera, CCTV Camera System For >6 Months (>26 Weeks), Deduct	2,904.75 -116.19
01 22 23 00-1397	MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System For >6 Months (>26 Weeks), Deduct	5,034.90 -201.40
01 22 23 00-1398	CALTRANS Equipment Rental Rates (01 22 23) 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 00-1399	EA CALTRANS Equipment Rental Rates, Reimbursable 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 https://dot.ca.gov/-/media/dot-media/programs/construction/documents/equipment-rental-rates-and-labor-surcharge/book_2023.pdf (Or use most current dated PDF)	1.00

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
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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
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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
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Note: For specification publishing. Review specifications for requirements.

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

01 42 21 00-0001	NTE Construction Suppliers or Venor List	0.00
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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	Soils/Aggregate Testing (01 45 23)	
01 45 23 00-0002	Field Soils Tests (01 45 23 00-0001)	
01 45 23 00-0003	EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86
01 45 23 00-0004	EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26
01 45 23 00-0005	EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75
01 45 23 00-0006	EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	456.60
01 45 23 00-0007	EA Soils Classification Test, ASTM D-2487, Field Soils Test.....	684.90
01 45 23 00-0008	SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,369.34
01 45 23 00-0009	EA Moisture Content, Field Soils Test.....	51.35
01 45 23 00-0010	EA UBC Or Swell Test, Field Soils Test	136.98
01 45 23 00-0011	EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	342.33
01 45 23 00-0012	EA Proctor Compaction 6" Standard Mold, Field Soils Test	427.92
01 45 23 00-0013	EA Density And Classification Test, Field Soils Test	104.27
01 45 23 00-0014	EA Percolation Test, Field Soils Test	260.67
01 45 23 00-0015	EA Infiltration Test, Field Soils Test.....	521.35

01 45 23 00-0016	Aggregate Testing (01 45 23 00-0001)	
01 45 23 00-0017	EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15
01 45 23 00-0018	EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47
01 45 23 00-0019	EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38

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 00-0020 EA Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44	
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37	
01 45 23 00-0022 EA Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61	
01 45 23 00-0023 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83	
01 45 23 00-0024 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30	
01 45 23 00-0025 EA Aggregate Cleanness Value, ASTM C-128, CA 227	228.30	
01 45 23 00-0026 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22	
01 45 23 00-0027 EA Fine Aggregate Durability Index, CA 229	182.64	
01 45 23 00-0028 EA Sodium And Magnesium Soundness, ASTM C88	479.27	
01 45 23 00-0029 EA Los Angeles Rattler, ASTM C-131, CA 211	365.28	
01 45 23 00-0030 EA Los Angeles Rattler, ASTM C-535	365.28	
01 45 23 00-0031 EA Unit Weight Of Aggregates, ASTM C29	102.74	
01 45 23 00-0032 EA Organic Impurities In Sand, ASTM C40	102.70	
01 45 23 00-0033 EA Crushed Particle, ASTM California Test Method	102.70	
01 45 23 00-0034 EA Clay Lump And Friable Particles, ASTM C142	205.40	
01 45 23 00-0035 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0036 In-Place Tests (01 45 23 00-0035)		
01 45 23 00-0037 EA Double Ring Infiltrometer Test, ASTM D3385	1,813.72	
01 45 23 00-0038 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0039 Lab Tests (01 45 23 00-0035)		
01 45 23 00-0040 EA Falling Head Rigid Wall Consolidometer Technique CAE	846.40	
01 45 23 00-0041 EA Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0042 EA Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66	
01 45 23 00-0043 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0044 Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0045 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.42	
01 45 23 00-0046 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55	
01 45 23 00-0047 EA Concrete Cores Compression Test, ASTM C-42	148.40	
01 45 23 00-0048 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88	
01 45 23 00-0049 EA Unit Weight Of Concrete Cylinder, ASTM C-567	79.90	
01 45 23 00-0050 EA Concrete Mix Design Review	433.77	
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory	1,027.35	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified	799.05	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143	57.08	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08	
01 45 23 00-0056 Cement Testing (01 45 23 00-0043)		
01 45 23 00-0057 EA Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	57.08	
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials	91.32	
01 45 23 00-0059 Asphaltic Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366	114.15	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559	114.15	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559	296.79	
01 45 23 00-0064 EA Swell Test, CA 305 Note: Includes compaction.	136.98	
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B	342.45	
01 45 23 00-0066 EA Gradation On Extracted Sample, ASTM D-5444	228.30	
01 45 23 00-0067 EA Maximum Theoretical Unit Weight, ASTM C2041	217.65	
01 45 23 00-0068 EA Unit Weight Sample Requiring Compaction, California Test Method 308	45.66	
01 45 23 00-0069 EA Asphalt Unit Weight On Core Test, CA 308C	45.66	
01 45 23 00-0070 HR Nuclear Field Density Testing, 4 Hour Minimum	235.15	
01 45 23 00-0071 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30	
01 45 23 00-0072 EA Penetration, ASTM D5	164.90	
01 45 23 00-0073 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0074 Masonry Testing (01 45 23 00-0073)		
01 45 23 00-0075 EA 2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0076 EA 4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0077 EA Masonry Cores Compression Test	148.40	
01 45 23 00-0078 EA Composite Grouted Prism Compression Test	285.38	



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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0079	Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)			
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	182.64	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight.....	125.56	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0084	Metals Testing (01 45 23)			
01 45 23 00-0085	Tank Tightness Testing (01 45 23 00-0084)			
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.11	
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.81	
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,343.56	
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,863.44	
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,646.71	
01 45 23 00-0091	Tank Line Tightness Testing (01 45 23 00-0084)			
01 45 23 00-0092	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	494.51	
01 45 23 00-0093	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	549.10	
01 45 23 00-0094	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	603.50	
01 45 23 00-0095	Other Testing (01 45 23)			
01 45 23 00-0096	Special Testing (01 45 23 00-0095)			
01 45 23 00-0097	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0098	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0099	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	53.35	
01 45 23 00-0100	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0101	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0102	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0103	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0104	EA	Testing And Certification Of Backflow Valves	597.78	
01 45 23 00-0105	Non-destructive Field Testing Services (01 45 23 00-0095)			
01 45 23 00-0106	Infrared Thermography (01 45 23 00-0105) 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.			
01 45 23 00-0107	Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0106) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.			
01 45 23 00-0108	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0109	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	1.00	
01 45 23 00-0110	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	0.66	
01 45 23 00-0111	Other Non-destructive Field Testing Services (01 45 23 00-0105)			
01 45 23 00-0112	HR	ASNT Certified Level I NDT Consultant	77.78	
01 45 23 00-0113	HR	ASNT Certified Level II NDT Consultant	86.88	
01 45 23 00-0114	HR	ASNT Certified Level III NDT Consultant	102.18	
01 45 23 00-0115	HR	Certified Industrial Radiography Radiation Safety Personnel	117.00	
01 45 23 00-0116	Concrete Slab Moisture Testing (01 45 23 00-0095)			
01 45 23 00-0117	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	
01 45 29	Testing Laboratory Services (01 45)			
	Note: For application to existing materials/site conditions or additional testing over specifications stated tests.			
01 45 29 00-0001	Soil Borings Laboratory Tests (01 45 29) 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	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength Of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	464.14
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883.....	513.68
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test.....	150.45
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	167.16
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	358.78
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	76.89

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)**01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch** ^(01 51 13)

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.....	961.30
01 51 13 00-0003	EA	Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	1,217.22
01 51 13 00-0004	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	1,616.44
01 51 13 00-0005	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	2,511.77
01 51 13 00-0006	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	4,593.32
01 51 13 00-0007	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	7,510.29
01 51 13 00-0008	EA	Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	10,271.79
01 51 13 00-0009	EA	Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	16,526.61
01 51 13 00-0010	EA	Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	22,995.53

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.....	1,660.76
01 51 13 00-0013	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,334.43
01 51 13 00-0014	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,648.31
01 51 13 00-0015	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,210.18

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.....	12.18
01 51 13 00-0018	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards.....	13.35

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.....	295.10
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	109.77
01 51 26 00-0004	EA	Temporary High Bay Light.....	417.25

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.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	252.05
		For Each Delivery And Removal, Two Round Trips, Add.....	1,549.69
		For Each Set-Up (Block And Level), Add.....	834.11
		For Each Anchoring Into Dirt, Add Per Each Anchor.....	233.08
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor.....	325.41
		For Knockdown, Add.....	772.38
		For Office Trailer Without Toilet, Deduct.....	-50.41
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	285.65
		For Each Delivery And Removal, Two Round Trips, Add.....	1,549.69
		For Each Set-Up (Block And Level), Add.....	834.11
		For Each Anchoring Into Dirt, Add Per Each Anchor.....	233.08
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor.....	325.41
		For Knockdown, Add.....	772.38
		For Office Trailer Without Toilet, Deduct.....	-57.13
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	386.47
		For Each Delivery And Removal, Two Round Trips, Add.....	3,099.39
		For Each Set-Up (Block And Level), Add.....	1,309.95
		For Each Anchoring Into Dirt, Add Per Each Anchor.....	233.08
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor.....	325.41
		For Knockdown, Add.....	1,161.99
		For Office Trailer Without Toilet, Deduct.....	-77.29



General Requirements			01	Σ
Temporary Facilities and Controls			01 50	
Construction Facilities			01 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0005	MO	10' x 40'	Mobile Office, With Toilet.....	411.68	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
			For Office Trailer Without Toilet, Deduct	-82.34	
01 52 13 00-0006	MO	10' x 44'	Mobile Office, With Toilet.....	453.69	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
01 52 13 00-0007	MO	10' x 50'	Mobile Office, With Toilet.....	478.89	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
01 52 13 00-0008	MO	12' x 32'	Mobile Office, With Toilet.....	389.04	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
			For Each Delivery And Removal, Two Round Trips, Add	748.49	
			For Each Set-Up (Block And Level), Add	587.88	
01 52 13 00-0009	MO	12' x 44'	Mobile Office, With Toilet.....	520.13	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
01 52 13 00-0010	MO	12' x 50'	Mobile Office, With Toilet.....	619.20	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
01 52 13 00-0011	MO	12' x 60'	Mobile Office, With Toilet.....	856.12	
			For Each Delivery And Removal, Two Round Trips, Add	3,099.39	
			For Each Set-Up (Block And Level), Add	1,309.95	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	1,161.99	
01 52 13 00-0012	MO	24' x 60'	Modular Office, With Toilet	1,344.25	
			For Each Delivery And Removal, Two Round Trips, Add	4,649.08	
			For Each Set-Up (Block And Level), Add	2,337.74	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	2,317.15	
01 52 13 00-0013	MO	24' x 72'	Modular Office, With Toilet	1,613.09	
			For Each Delivery And Removal, Two Round Trips, Add	4,649.08	
			For Each Set-Up (Block And Level), Add	2,337.74	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	2,317.15	
01 52 13 00-0014	MO	30' x 30'	Modular Office, With Toilet	843.31	
			For Each Delivery And Removal, Two Round Trips, Add	4,649.08	
			For Each Set-Up (Block And Level), Add	2,337.74	
			For Each Anchoring Into Dirt, Add Per Each Anchor	233.08	
			For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	325.41	
			For Knockdown, Add	2,317.15	
01 52 13 00-0015	Accessories For Field Office Trailers (01 52 13)				
	Note: Costs includes installation or placement in trailer.				
01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23		
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77		
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92		
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61		
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer.....	9.76		
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer.....	113.37		
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer.....	82.45		
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	129.90		
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	16.35		
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.73		
01 52 13 00-0026	MO	Steps For Field Office Trailer.....	71.90		
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	119.96		
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer.....	44.17		
01 52 13 00-0029	MO	Copier For Field Office Trailer.....	82.45		
01 52 13 00-0030	Storage Containers (01 52 13)				
01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	140.03		
		For Each Delivery And Removal, Two Round Trips, Add	116.51		
		For >12 Months, Deduct	-31.51		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0032 MO 8' x 8' x 20' Storage Container .....146.40 For Each Delivery And Removal, Two Round Trips, Add .....128.16 For >12 Months, Deduct .....-32.94		
01 52 13 00-0033 MO 8' x 8' x 40' Storage Container .....173.13 For Each Delivery And Removal, Two Round Trips, Add .....258.11 For >12 Months, Deduct .....-38.95		
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 .....70.86 For Each Additional Servicing Per Unit Per Week, Add .....25.00 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0003 MO Portable Chemical Toilet .....212.57 For Each Additional Servicing Per Unit Per Week, Add .....25.00 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0004 WK Americans With Disabilities Act Compliant Portable Chemical Toilet .....84.51 For Each Additional Servicing Per Unit Per Week, Add .....25.00 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0005 MO Americans With Disabilities Act Compliant Portable Chemical Toilet .....248.00 For Each Additional Servicing Per Unit Per Week, Add .....25.00 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0006 WK Two Station Portable Handwash .....56.43 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0007 MO Two Station Portable Handwash .....171.18 For Each Delivery And Set-up, Add .....47.65		
01 52 19 00-0008 MO 6 Station, Portable Toilets, Multi Trailer .....6,253.92 Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing. For Each Delivery, Set-up And Removal, Two Round Trips, Add .....1,239.76		
01 52 19 00-0009 WK Service 6 Station Trailer Restrooms, 3 Times Per Week .....2,105.24 For One Additional Service Per Week, Add .....701.74 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 .....8.51		
01 53 16 00-0003 LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail .....38.54		
01 53 16 00-0004 LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam .....15.80		
01 53 16 00-0005 RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers .....28.91		
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 .....1.82		0.58
01 54 Construction Aids (01 50)		
01 54 09 Personnel Protection Equipment (01 54)		
01 54 09 00-0001 Personnel Protection Equipment (01 54 09) 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.		
01 54 09 00-0002 NTE Personnel Protection Equipment .....0.00 Note: For specification publishing. Review specifications for requirements.		
01 54 23 Temporary Scaffolding and Platforms (01 54)		
01 54 23 00-0001 Scaffolding (01 54 23) Note: Additional scaffolding rental for work above the normal working height.		
01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001) 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.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month) .....44.13 For Up To 25, Add .....17.65 For >25 To 50, Add .....11.03 For >50 To 150, Add .....4.41		



General Requirements			01
Temporary Facilities and Controls			01 50
Construction Aids			01 54

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	49.62		
	For Up To 25, Add	19.85		
	For >25 To 50, Add	12.41		
	For >50 To 150, Add	4.96		
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	66.19		
	For Up To 25, Add	26.48		
	For >25 To 50, Add	16.55		
	For >50 To 150, Add	6.62		
01 54 23 00-0006	Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) 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.			
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.24		
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	68.51		
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	91.43		
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	100.56		
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	115.80		
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	73.14		
01 54 23 00-0013	Heavy-Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001) 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.			
01 54 23 00-0014	CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	70.43		
01 54 23 00-0015	CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	129.12		
01 54 23 00-0016	LF Aluminum Joists (LF / Month)	11.45		
01 54 23 00-0017	LF Aluminum Stringers (LF / Month)	16.42		
01 54 23 00-0018	EA Screw Jack With U-Plate For Stringers (EA / Month).....	20.69		
01 54 23 00-0019	Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) 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.			
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	97.52		
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	121.90		
01 54 23 00-0022	CCF >40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	146.28		
01 54 23 00-0023	CCF >60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	158.46		
01 54 23 00-0024	CCF >80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	176.75		
01 54 23 00-0025	Scaffolding Accessories (01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.			
01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding	43.67		
	Note: Includes removal after use.			
01 54 23 00-0027	Rolling Scaffolding (01 54 23) Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.			
01 54 23 00-0028	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	14.28		
01 54 23 00-0029	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	57.23		
01 54 23 00-0030	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	228.90		
01 54 23 00-0031	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	23.91		
01 54 23 00-0032	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	95.76		
01 54 23 00-0033	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	383.07		
01 54 23 00-0034	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	115.60		
01 54 23 00-0035	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	144.51		
01 54 23 00-0036	Shoring Posts (01 54 23) Note: Includes removal after use.			
01 54 23 00-0037	DAY 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	2.15		
01 54 23 00-0038	WK 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	8.60		
01 54 23 00-0039	MO 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	25.81		
01 54 23 00-0040	EA Initial Erection And Final Dismantling For Each Shoring Post	9.26		
	For >20 To 50, Deduct	-1.39		
	For >50 To 100, Deduct	-3.24		
	For >100, Deduct	-5.09		
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	2.84		
01 54 23 00-0043	SF 1/2" CD Grade Plywood, Temporary Lumber	3.21		

01	General Requirements
01 50	Temporary Facilities and Controls
01 54	Construction Aids



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber.....	3.51		
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber.....	3.86		
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber.....	5.61		
01 54 23 00-0047	LF	2" x 4" Temporary Lumber.....	3.64		
01 54 23 00-0048	LF	2" x 6" Temporary Lumber.....	4.59		
01 54 23 00-0049	LF	2" x 8" Temporary Lumber.....	5.55		
01 54 23 00-0050	LF	2" x 10" Temporary Lumber.....	6.50		
01 54 23 00-0051	LF	2" x 12" Temporary Lumber.....	7.46		
01 54 23 00-0052	LF	3" x 8" Temporary Lumber.....	7.46		
01 54 23 00-0053	LF	3" x 10" Temporary Lumber.....	8.89		
01 54 23 00-0054	LF	3" x 12" Temporary Lumber.....	10.34		
01 54 23 00-0055	LF	4" x 4" Temporary Lumber.....	4.87		
01 54 23 00-0056	LF	4" x 6" Temporary Lumber.....	6.97		
01 54 23 00-0057	LF	6" x 6" Temporary Lumber.....	9.06		
01 54 23 00-0058	LF	6" x 8" Temporary Lumber.....	11.75		
01 54 23 00-0059	LF	12" x 12" Temporary Lumber.....	28.53		
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.....	128.80		
Note: Includes removal after use.					
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block.....	161.00		
Note: Includes removal after use.					
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block.....	211.78		
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.....	3,095.78		
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated.....	3,250.57		
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated.....	3,405.36		
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated.....	3,560.15		
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated.....	3,714.94		
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated.....	3,869.73		
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated.....	4,024.52		
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated.....	892.71		
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated.....	1,115.89		
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling.....	4,927.86		
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.....	6,848.11		
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.....	2,591.18		
01 54 26 00-0014	EA	Move Swing Stage Platform And Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,609.14		
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.					
01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly.....	3.35		
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.					
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly.....	4.37		
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.					
01 55 23 00-0004 Rumble Trench Plate (01 55 23)					
01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental.....	413.50		
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate.....	101.78		
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.					
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate.....	25.44		
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.					
01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)					
Note: Excludes asphalt and gravel.					
01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	5,078.52	229.03	
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,914.67	343.55	
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	9,554.38	458.05	
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,827.92	572.57	



General Requirements			01
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 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)		29,096.99	687.08
01 55 26 Traffic Control (01 55)					
01 55 26 00-0001		Temporary Removable Preformed Traffic Black Line Mask (01 55 26)			
Note: Includes installation and removal after use.					
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask		5.40	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask		6.52	
01 55 26 00-0004		Temporary Preformed Traffic Line Tape (01 55 26)			
Note: Includes installation and removal after use.					
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape		5.46	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape		7.45	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape		9.35	
01 55 26 00-0008		Temporary Painted Traffic Lines (01 55 26)			
Note: Includes installation and removal after use.					
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines		2.51	
Note: Includes removal after use					
For Not Removed, Deduct					
				-1.72	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines		3.31	
Note: Includes removal after use					
For Not Removed, Deduct					
				-2.34	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines		4.15	
Note: Includes removal after use					
For Not Removed, Deduct					
				-2.98	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad		3.44	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad		3.47	
01 55 26 00-0014		Temporary Pedestrian Traffic Control (01 55 26)			
01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange		11.22	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange		14.72	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow		8.71	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow		10.71	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent		11.69	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent		16.12	
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape)		13.37	
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape)		18.81	
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape)		23.70	
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape)		27.73	
01 55 26 00-0025		Linear Delineation System, Temporary Or Permanent (01 55 26)			
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.					
01 55 26 00-0026	LF	4" Linear Delineation System		11.70	
01 55 26 00-0027	LF	6" Linear Delineation System		15.84	
01 55 26 00-0028		Temporary Traffic Protection (01 55 26)			
01 55 26 00-0029		Temporary Portable Traffic Control Device 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 00-0030	DAY	28" Cone With Reflective Collar		0.89	
01 55 26 00-0031	WK	28" Cone With Reflective Collar		2.66	
01 55 26 00-0032	MO	28" Cone With Reflective Collar		7.99	
01 55 26 00-0033	DAY	36" Traffic Cone With Reflective Collar		1.11	
01 55 26 00-0034	WK	36" Traffic Cone With Reflective Collar		3.33	
01 55 26 00-0035	MO	36" Traffic Cone With Reflective Collar		9.99	
01 55 26 00-0036	DAY	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post		2.09	
01 55 26 00-0037	WK	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post		6.27	
01 55 26 00-0038	MO	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post		18.82	
01 55 26 00-0039	DAY	Vertical Panel		2.68	
01 55 26 00-0040	WK	Vertical Panel		8.04	
01 55 26 00-0041	MO	Vertical Panel		24.13	
01 55 26 00-0042	DAY	Channelizer Drum		2.91	
01 55 26 00-0043	WK	Channelizer Drum		8.73	
01 55 26 00-0044	MO	Channelizer Drum		26.20	
01 55 26 00-0045	DAY	Stackable Channelizer Panel		1.38	
01 55 26 00-0046	WK	Stackable Channelizer Panel		4.13	
01 55 26 00-0047	MO	Stackable Channelizer Panel		12.39	
01 55 26 00-0048	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side		1.91	
01 55 26 00-0049	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side		5.72	
01 55 26 00-0050	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side		17.16	
01 55 26 00-0051	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side		4.23	
01 55 26 00-0052	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side		12.68	
01 55 26 00-0053	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side		38.03	
01 55 26 00-0054	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails		4.82	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0055	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45
01 55 26 00-0056	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34
01 55 26 00-0057	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	8.81
01 55 26 00-0058	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	26.43
01 55 26 00-0059	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	79.28
01 55 26 00-0060	DAY	Up To 10' Wide A Frame Barricade	4.83
01 55 26 00-0061	WK	Up To 10' Wide A Frame Barricade	14.49
01 55 26 00-0062	MO	Up To 10' Wide A Frame Barricade	43.48
01 55 26 00-0063	DAY	Type A Or C Flasher	0.98
01 55 26 00-0064	WK	Type A Or C Flasher	2.95
01 55 26 00-0065	MO	Type A Or C Flasher	8.86
01 55 26 00-0066	DAY	Type B Flasher (High Intensity)	5.34
01 55 26 00-0067	WK	Type B Flasher (High Intensity)	16.02
01 55 26 00-0068	MO	Type B Flasher (High Intensity)	48.07

01 55 26 00-0069 Temporary Traffic Barriers 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 00-0070	DAY	6' Long Portable Parking Curbs	2.30
01 55 26 00-0071	WK	6' Long Portable Parking Curbs	6.90
01 55 26 00-0072	MO	6' Long Portable Parking Curbs	20.71
01 55 26 00-0073	DAY	6' Long Portable Speed Bumps	6.81
01 55 26 00-0074	WK	6' Long Portable Speed Bumps	20.42
01 55 26 00-0075	MO	6' Long Portable Speed Bumps	61.28
01 55 26 00-0076	DAY	8' To 12.5' Concrete Traffic Barrier	16.36
01 55 26 00-0077	WK	8' To 12.5' Concrete Traffic Barrier	49.07
01 55 26 00-0078	MO	8' To 12.5' Concrete Traffic Barrier	147.21
01 55 26 00-0079	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71
01 55 26 00-0080	WK	>12.5' To 20' Concrete Traffic Barrier	98.14
01 55 26 00-0081	MO	>12.5' To 20' Concrete Traffic Barrier	294.42
01 55 26 00-0082	DAY	6' x 32" Tall Plastic Water Barrier	19.53
01 55 26 00-0083	WK	6' x 32" Tall Plastic Water Barrier	58.60
01 55 26 00-0084	MO	6' x 32" Tall Plastic Water Barrier	175.80
01 55 26 00-0085	DAY	6' x 46" Tall Plastic Water Barrier	27.89
01 55 26 00-0086	WK	6' x 46" Tall Plastic Water Barrier	83.67
01 55 26 00-0087	MO	6' x 46" Tall Plastic Water Barrier	251.02
01 55 26 00-0088	DAY	Sand Filled Crash Attenuator Barrels.....	10.92
01 55 26 00-0089	WK	Sand Filled Crash Attenuator Barrels.....	32.75
01 55 26 00-0090	MO	Sand Filled Crash Attenuator Barrels.....	98.25
01 55 26 00-0091	MO	Rolling Straight Concrete Barrier, Per Each Barrier Per Month	3,627.45
01 55 26 00-0092	MO	Rolling Absorbing Concrete Barrier, Per Each Barrier Per Month.....	1,450.98
01 55 26 00-0093	MO	Rolling Transition Concrete Barrier, Per Each Barrier Per Month.....	386.93
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.	6,736.30
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.	640.17
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.	8,077.24
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.	960.26
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.	9,844.97
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.	1,173.64
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.	1,549.20

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	8.57
01 55 26 00-0103	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71
01 55 26 00-0104	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14
01 55 26 00-0105	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand.....	3.33
01 55 26 00-0106	WK	18" x 18" Aluminum Construction Sign, With Portable Stand.....	9.98
01 55 26 00-0107	MO	18" x 18" Aluminum Construction Sign, With Portable Stand.....	29.95
01 55 26 00-0108	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand.....	4.58
01 55 26 00-0109	WK	30" x 24" Aluminum Construction Sign, With Portable Stand.....	13.74
01 55 26 00-0110	MO	30" x 24" Aluminum Construction Sign, With Portable Stand.....	41.21
01 55 26 00-0111	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand.....	4.07
01 55 26 00-0112	WK	30" x 30" Aluminum Construction Sign, With Portable Stand.....	12.20
01 55 26 00-0113	MO	30" x 30" Aluminum Construction Sign, With Portable Stand.....	36.59
01 55 26 00-0114	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand.....	5.00
01 55 26 00-0115	WK	48" x 18" Aluminum Construction Sign, With Portable Stand.....	14.99
01 55 26 00-0116	MO	48" x 18" Aluminum Construction Sign, With Portable Stand.....	44.98
01 55 26 00-0117	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand.....	5.84
01 55 26 00-0118	WK	48" x 24" Aluminum Construction Sign, With Portable Stand.....	17.51
01 55 26 00-0119	MO	48" x 24" Aluminum Construction Sign, With Portable Stand.....	52.53
01 55 26 00-0120	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand.....	6.68



General Requirements			01
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 00-0121 WK 48" x 30" Aluminum Construction Sign, With Portable Stand.....	20.03	
			01 55 26 00-0122 MO 48" x 30" Aluminum Construction Sign, With Portable Stand.....	60.08	
			01 55 26 00-0123 DAY 48" x 36" Aluminum Construction Sign, With Portable Stand.....	7.52	
			01 55 26 00-0124 WK 48" x 36" Aluminum Construction Sign, With Portable Stand.....	22.55	
			01 55 26 00-0125 MO 48" x 36" Aluminum Construction Sign, With Portable Stand.....	67.64	
			01 55 26 00-0126 DAY 48" x 48" Aluminum Construction Sign, With Portable Stand.....	9.19	
			01 55 26 00-0127 WK 48" x 48" Aluminum Construction Sign, With Portable Stand.....	27.58	
			01 55 26 00-0128 MO 48" x 48" Aluminum Construction Sign, With Portable Stand.....	82.74	
			01 55 26 00-0129 DAY 60" x 24" Aluminum Construction Sign, With Portable Stand.....	9.16	
			01 55 26 00-0130 WK 60" x 24" Aluminum Construction Sign, With Portable Stand.....	27.47	
			01 55 26 00-0131 MO 60" x 24" Aluminum Construction Sign, With Portable Stand.....	82.41	
			01 55 26 00-0132 DAY 60" x 30" Aluminum Construction Sign, With Portable Stand.....	10.21	
			01 55 26 00-0133 WK 60" x 30" Aluminum Construction Sign, With Portable Stand.....	30.62	
			01 55 26 00-0134 MO 60" x 30" Aluminum Construction Sign, With Portable Stand.....	91.85	
			01 55 26 00-0135 DAY 60" x 36" Aluminum Construction Sign, With Portable Stand.....	11.25	
			01 55 26 00-0136 WK 60" x 36" Aluminum Construction Sign, With Portable Stand.....	33.76	
			01 55 26 00-0137 MO 60" x 36" Aluminum Construction Sign, With Portable Stand.....	101.29	
			01 55 26 00-0138 DAY Aluminum Sign And Post.....	4.76	
			01 55 26 00-0139 WK Aluminum Sign And Post.....	14.28	
			01 55 26 00-0140 MO Aluminum Sign And Post.....	42.84	
			01 55 26 00-0141 DAY Trailer Mounted Flashing Arrow Board.....	180.33	
			01 55 26 00-0142 WK Trailer Mounted Flashing Arrow Board.....	499.12	
			01 55 26 00-0143 MO Trailer Mounted Flashing Arrow Board.....	1,320.24	
			01 55 26 00-0144 DAY Trailer Mounted Portable Variable Message Sign (PVMS).....	300.66	
			01 55 26 00-0145 WK Trailer Mounted Portable Variable Message Sign (PVMS).....	801.76	
			01 55 26 00-0146 MO Trailer Mounted Portable Variable Message Sign (PVMS).....	1,603.52	
			01 55 26 00-0147 DAY Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	1,457.96	
			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 (Set Of Two).....	4,373.88	
			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 (Set Of Two).....	13,121.64	
			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 Place And Remove Temporary Traffic Protection Using Truck (01 55 26 00-0028)		
			Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0043 for delivery >15 miles.		
			01 55 26 00-0151 EA Placement And Removal Of Up To 250 Cones Using Truck.....	4.01	
			01 55 26 00-0152 EA Placement And Removal Of >250 Cones Using Truck.....	3.50	
			01 55 26 00-0153 EA Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	6.62	
			01 55 26 00-0154 EA Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.51	
			01 55 26 00-0155 EA Placement And Removal Of Up To 250 Barricades Using Truck.....	10.02	
			01 55 26 00-0156 EA Placement And Removal Of >250 Barricades Using Truck.....	8.02	
			01 55 26 00-0157 EA Placement And Removal Of Curbs/Speed Bumps Using Truck.....	10.02	
			01 55 26 00-0158 EA Placement And Removal Of Portable Sign And Stand Using Truck.....	6.01	
			01 55 26 00-0159 EA Placement And Removal Of Aluminum Sign And Post Using Truck.....	25.06	
			01 55 26 00-0160 EA Placement And Removal Of Trailer Mounted Boards And Signals Using Truck.....	75.18	
			01 55 26 00-0161 EA Placement And Removal Of Up To 12.5' Concrete Traffic Barrier.....	101.78	
			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.		
			For 1 Barrier, Add	254.45	
			For 2 Barriers, Add	91.60	
			For 3 Barriers, Add	30.53	
			01 55 26 00-0162 EA Placement And Removal Of >12.5' Concrete Traffic Barrier.....	152.67	
			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.		
			For 1 Barrier, Add	381.68	
			For 2 Barriers, Add	137.40	
			For 3 Barriers, Add	45.80	
			01 55 26 00-0163 EA Placement And Removal Of Plastic Water Barrier.....	58.36	
			Note: Includes water. 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.		
			For 1 Barrier, Add	127.23	
			For 2 Barriers, Add	45.80	
			For 3 Barriers, Add	15.27	
			01 55 26 00-0164 EA Placement And Removal Of Crash Attenuator Barrels.....	76.33	
			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.		
			For 1 Barrier, Add	190.83	
			For 2 Barriers, Add	68.70	
			For 3 Barriers, Add	22.90	
			01 55 26 00-0165 EA Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	559.77	
			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.		
			01 55 26 00-0166 Place And Remove Temporary Traffic Protection From Roadside (Daily) (01 55 26 00-0028)		
			01 55 26 00-0167 EA Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.51	
			01 55 26 00-0168 EA Placement And Removal Of >250 Cones By Hand From Roadside.....	2.00	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0169 EA Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.34	
01 55 26 00-0170 EA Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.66	
01 55 26 00-0171 EA Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	5.01	
01 55 26 00-0172 EA Placement And Removal Of >250 Barricades By Hand From Roadside	4.01	
01 55 26 00-0173 EA Placement And Removal Of Portable Sign And Stand From Roadside	2.96	
01 55 26 00-0174 EA Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	37.59	
01 55 26 00-0175 EA Roadside Relocation Of Concrete Traffic Barrier	50.89	
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.		
 01 55 26 00-0176 Place And Remove Temporary Signs For Detours (01 55 26 00-0028)		
01 55 26 00-0177 Temporary Reflectorized Signs For Detours (01 55 26 00-0176)		
Note: Excludes posts.		
01 55 26 00-0178 Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0177)		
01 55 26 00-0179 EA Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	94.22	
For Hi-Intensity Grade, Add	9.53	
For Diamond Grade, Add	18.10	
01 55 26 00-0180 EA Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	107.46	
For Hi-Intensity Grade, Add	12.46	
For Diamond Grade, Add	23.67	
01 55 26 00-0181 EA Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	115.81	
For Hi-Intensity Grade, Add	19.03	
For Diamond Grade, Add	30.17	
01 55 26 00-0182 EA Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	132.32	
For Hi-Intensity Grade, Add	7.13	
For Diamond Grade, Add	38.64	
01 55 26 00-0183 EA Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	171.61	
For Hi-Intensity Grade, Add	20.96	
For Diamond Grade, Add	65.73	
 01 55 26 00-0184 Other Temporary Reflectorized Traffic Signs For Detours (01 55 26 00-0177)		
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.		
01 55 26 00-0185 Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0184)		
01 55 26 00-0186 EA Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	63.39	
For Hi-Intensity Grade, Add	2.36	
01 55 26 00-0187 EA Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	67.32	
For Hi-Intensity Grade, Add	3.54	
01 55 26 00-0188 EA Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	67.32	
For Hi-Intensity Grade, Add	3.54	
01 55 26 00-0189 EA Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	70.27	
For Hi-Intensity Grade, Add	4.43	
01 55 26 00-0190 EA Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	73.22	
For Hi-Intensity Grade, Add	5.31	
01 55 26 00-0191 EA Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	82.59	
For Hi-Intensity Grade, Add	7.08	
01 55 26 00-0192 EA Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	106.19	
For Hi-Intensity Grade, Add	14.16	
01 55 26 00-0193 EA Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	71.25	
For Hi-Intensity Grade, Add	4.72	
01 55 26 00-0194 EA Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	82.59	
For Hi-Intensity Grade, Add	7.08	
01 55 26 00-0195 EA Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	90.45	
For Hi-Intensity Grade, Add	9.44	
01 55 26 00-0196 EA Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	98.32	
For Hi-Intensity Grade, Add	11.80	
01 55 26 00-0197 EA Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	106.19	
For Hi-Intensity Grade, Add	14.16	
01 55 26 00-0198 EA Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	94.39	
For Hi-Intensity Grade, Add	10.62	
01 55 26 00-0199 EA Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	106.19	
For Hi-Intensity Grade, Add	14.16	
01 55 26 00-0200 EA Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	121.47	
For Hi-Intensity Grade, Add	17.70	
01 55 26 00-0201 EA Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	133.27	
For Hi-Intensity Grade, Add	21.24	
01 55 26 00-0202 EA Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	182.54	
For Hi-Intensity Grade, Add	31.86	
01 55 26 00-0203 EA Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	125.40	
For Hi-Intensity Grade, Add	18.88	
01 55 26 00-0204 EA Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	141.13	
For Hi-Intensity Grade, Add	23.60	
01 55 26 00-0205 EA Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	156.86	
For Hi-Intensity Grade, Add	28.32	
01 55 26 00-0206 EA Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	186.48	
For Hi-Intensity Grade, Add	33.04	
01 55 26 00-0207 EA Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	202.21	
For Hi-Intensity Grade, Add	37.76	
01 55 26 00-0208 EA Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	217.94	
For Hi-Intensity Grade, Add	42.48	



General Requirements			01	Σ
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 00-0209	EA		Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	160.80	
			For Hi-Intensity Grade, Add	29.50	
01 55 26 00-0210	EA		Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	194.34	
			For Hi-Intensity Grade, Add	35.40	
01 55 26 00-0211	EA		Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	214.01	
			For Hi-Intensity Grade, Add	41.30	
01 55 26 00-0212	EA		Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	247.55	
			For Hi-Intensity Grade, Add	47.20	
01 55 26 00-0213	EA		Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	300.76	
			For Hi-Intensity Grade, Add	59.00	
01 55 26 00-0214	EA		Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	217.94	
			For Hi-Intensity Grade, Add	42.48	
01 55 26 00-0215	EA		Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	255.42	
			For Hi-Intensity Grade, Add	49.56	
01 55 26 00-0216	EA		Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	292.90	
			For Hi-Intensity Grade, Add	56.64	
01 55 26 00-0217	EA		Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	316.50	
			For Hi-Intensity Grade, Add	63.72	
01 55 26 00-0218	EA		Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	353.98	
			For Hi-Intensity Grade, Add	70.80	
01 55 26 00-0219	EA		Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	418.99	
			For Hi-Intensity Grade, Add	86.14	
01 55 26 00-0220	EA		Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	438.65	
			For Hi-Intensity Grade, Add	92.03	
01 55 26 00-0221	EA		Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	577.47	
			For Hi-Intensity Grade, Add	127.43	
01 55 26 00-0222	EA		Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	296.83	
			For Hi-Intensity Grade, Add	57.82	
01 55 26 00-0223	EA		Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	369.71	
			For Hi-Intensity Grade, Add	75.52	
01 55 26 00-0224	EA		Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	415.05	
			For Hi-Intensity Grade, Add	84.95	
01 55 26 00-0225	EA		Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	446.52	
			For Hi-Intensity Grade, Add	94.40	
01 55 26 00-0226	EA		Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	498.81	
			For Hi-Intensity Grade, Add	103.83	
01 55 26 00-0227	EA		Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	530.28	
			For Hi-Intensity Grade, Add	113.27	
01 55 26 00-0228	EA		Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	607.09	
			For Hi-Intensity Grade, Add	132.15	
01 55 26 00-0229	EA		Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	670.02	
			For Hi-Intensity Grade, Add	151.03	
01 55 26 00-0230	EA		Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	701.48	
			For Hi-Intensity Grade, Add	160.47	
01 55 26 00-0231	EA		Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	739.88	
			For Hi-Intensity Grade, Add	169.91	
01 55 26 00-0232	EA		Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	638.55	
			For Hi-Intensity Grade, Add	141.59	
01 55 26 00-0233	EA		Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	991.59	
			For Hi-Intensity Grade, Add	245.42	
01 55 26 00-0234			Temporary Overhead Sign Structures For Detours (01 55 26 00-0176)		
			Note: Including horizontal Z-bars.		
01 55 26 00-0235	SF		From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
			For Over 10' High, Add	13.00	
01 55 26 00-0236			Temporary Sign Posts For Detours (01 55 26 00-0176)		
			Note: Excludes sign.		
01 55 26 00-0237			Temporary U-Channel Sign Posts For Detours (01 55 26 00-0236)		
			Note: Excludes digging and concrete.		
01 55 26 00-0238			Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0237)		
01 55 26 00-0239	EA		Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	83.85	
01 55 26 00-0240	EA		Temporary 6' Baked Enamel U-Channel Sign Post For Detours	109.06	
01 55 26 00-0241	EA		Temporary 7' Baked Enamel U-Channel Sign Post For Detours	130.34	
01 55 26 00-0242	EA		Temporary 8' Baked Enamel U-Channel Sign Post For Detours	152.51	
01 55 26 00-0243	EA		Temporary 10' Baked Enamel U-Channel Sign Post For Detours	184.24	
01 55 26 00-0244	EA		Temporary 12' Baked Enamel U-Channel Sign Post For Detours	195.68	
01 55 26 00-0245			Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0237)		
01 55 26 00-0246	EA		Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	89.45	
01 55 26 00-0247	EA		Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	117.94	
01 55 26 00-0248	EA		Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	150.43	
01 55 26 00-0249	EA		Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	174.71	
01 55 26 00-0250	EA		Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	200.41	
01 55 26 00-0251	EA		Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	209.74	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0252		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0237)	
01 55 26 00-0253	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	82.53
01 55 26 00-0254	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	106.19
01 55 26 00-0255	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	126.88
01 55 26 00-0256	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	148.38
01 55 26 00-0257	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	176.75
01 55 26 00-0258	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	191.24
01 55 26 00-0259		Temporary Tubular Sign Posts For Detours (01 55 26 00-0236)	
		Note: Excludes digging and concrete.	
01 55 26 00-0260		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0259)	
01 55 26 00-0261	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	118.86
01 55 26 00-0262	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	141.31
01 55 26 00-0263	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	166.57
01 55 26 00-0264	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	212.56
01 55 26 00-0265	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	230.17
01 55 26 00-0266		Temporary Square Sign Posts For Detours (01 55 26 00-0236)	
		Note: Excludes digging and concrete.	
01 55 26 00-0267		Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0266)	
01 55 26 00-0268	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	90.69
01 55 26 00-0269	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	138.98
01 55 26 00-0270	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	163.52
01 55 26 00-0271	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	190.73
01 55 26 00-0272	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	232.73
01 55 26 00-0273	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	250.45
01 55 26 00-0274		Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0176)	
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.	
01 55 26 00-0275		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0274)	
01 55 26 00-0276		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0275)	
01 55 26 00-0277	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.36
01 55 26 00-0278	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	66.03
01 55 26 00-0279		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0275)	
01 55 26 00-0280	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours.....	12.34
01 55 26 00-0281		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0274)	
01 55 26 00-0282		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0281)	
01 55 26 00-0283	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	108.84
01 55 26 00-0284	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	66.03
01 55 26 00-0285		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours (01 55 26 00-0281)	
01 55 26 00-0286	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours.....	14.50
01 55 26 00-0287		Temporary Driven Sign Posts For Detours (01 55 26 00-0274)	
01 55 26 00-0288		Temporary Driven Posts, 2.5 Lb./LF For Detours (01 55 26 00-0287)	
01 55 26 00-0289	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.19
		For Each Soil Plate, Add	3.00
01 55 26 00-0290		Temporary Driven Posts, 4 Lb./LF For Detours (01 55 26 00-0287)	
01 55 26 00-0291	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.29
		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 (01 55 26 00-0274)	
01 55 26 00-0293		Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0292)	
		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)	1,189.55



General Requirements			01
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 00-0295	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650)	1,267.66	
01 55 26 00-0296	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo AI4 And AI6)	869.05	
01 55 26 00-0297	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	761.16	
01 55 26 00-0298	EA	Temporary Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	863.06	
01 55 26 00-0299	EA	Temporary Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6)	821.11	
01 55 26 00-0300	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6)	772.55	
01 55 26 00-0301		Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0292) 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.....	426.05	
01 55 26 00-0303	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	446.72	
01 55 26 00-0304	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	463.88	
01 55 26 00-0305	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	704.37	
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"	61.85	
01 55 26 00-0307	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	82.46	
01 55 26 00-0308		Temporary Rumble Strips (01 55 26) Note: Includes removal after use.		
01 55 26 00-0309	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.97	
01 55 26 00-0310	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	10.05	
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	0.40	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.51	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.68	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.67	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors..... Note: Includes removal after use.	0.49	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.60	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.77	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.72	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.94	
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	0.63	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.80	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.75	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.51	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.62	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.79	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.74	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.58	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.69	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.86	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.81	
01 56 16 00-0023		Temporary Canvas For Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0024	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.05	

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



MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
01 56 16 00-0025	Accessories For Temporary Sheeting (01 56 16)				
	Note: Includes removal after use.				
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting	25.26		
	Note: Includes removal after use.				
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	10.04		
	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.				
01 56 16 00-0028	Temporary Critical Barriers For Protection (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	13.78		
	Note: Includes removal after use.				
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc.	20.88		
	Note: Includes removal after use.				
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc.....	28.06		
	Note: Includes removal after use.				
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc.	43.84		
	Note: Includes removal after use.				
01 56 16 00-0033	Temporary Stud Wall (01 56 16)				
	Note: Includes removal after use.				
01 56 16 00-0034	Temporary Stud Wall With Drywall (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.				
01 56 16 00-0035	Temporary Stud Wall With Drywall (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	7.31		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0037	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.31		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0038	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.44		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0039	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.15		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0040	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.15		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0041	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.39		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0042	Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)				
01 56 16 00-0043	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.45		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0044	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.49		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0045	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.42		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0046	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	8.37		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		
01 56 16 00-0047	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.43		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0048	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.51		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0049	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.37		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0050	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	12.25		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.16		
01 56 16 00-0051	Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0033)				
	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.....	7.13		
	Note: Includes removal after use.				
	<i>For Metal Studs 24" On Center, Add/Deduct</i>		1.04		



General Requirements			01	Σ
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 16 00-0053	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.17		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0054	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.31		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0055	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.39		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0056	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.77		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0057	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.87		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0058	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.15		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0059	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.30		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0060		Temporary Stud Wall With BC Plywood (01 56 16 00-0033)			
		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.....	7.46		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0062	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.64		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0063	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.84		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0064	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	8.00		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.04		
01 56 16 00-0065	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.43		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0066	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.79		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0067	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	11.21		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0068	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	11.52		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	1.16		
01 56 16 00-0069		Temporary Stud Wall With Plastic Sheeting (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	4.18		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	0.91		
01 56 16 00-0071	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.26		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	0.91		
01 56 16 00-0072	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.29		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	0.91		
01 56 16 00-0073	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.28		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	0.91		
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.36		
		Note: Includes removal after use.			
		For Metal Studs 24" On Center, Add/Deduct	0.91		
01 56 16 00-0075		Temporary Doors (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	673.73		
		Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.			
01 56 16 00-0077		Temporary Floor Protection (01 56 16)			
		Note: Includes removal after use.			
01 56 16 00-0078	SF	1/8" Thick, Masonite For Temporary Floor Protection.....	1.86		
		Note: Includes removal after use.			
01 56 16 00-0079	SF	1/2" Thick, Plywood For Temporary Floor Protection.....	1.97		
		Note: Includes removal after use.			

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0080	SF		3/4" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.22	
01 56 16 00-0081	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection..... Note: Includes removal after use.	0.90	
01 56 16 00-0082	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection..... Note: Includes removal after use.	0.35	
01 56 16 00-0083	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film..... Note: Includes removal after use.	28.04	
01 56 16 00-0084	SF		Burlap For Temporary Floor Protection..... Note: Includes removal after use.	0.75	
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.	0.64	
			<i>For Seam Tape, Add Per LF</i>	0.27	
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.	0.74	
			<i>For Seam Tape, Add Per LF</i>	0.27	
01 56 16 00-0087			Sticky Mats <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0088	EA		18" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use.	38.73	
			<i>For 60 Layers Instead Of 30, Add</i>	25.58	
01 56 16 00-0089	EA		18" x 46", 30 Layer Sticky Mat..... Note: Includes removal after use.	44.42	
			<i>For 60 Layers Instead Of 30, Add</i>	29.85	
01 56 16 00-0090	EA		24" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use.	44.42	
			<i>For 60 Layers Instead Of 30, Add</i>	29.85	
01 56 16 00-0091	EA		25" x 45", 30 Layer Sticky Mat..... Note: Includes removal after use.	58.63	
			<i>For 60 Layers Instead Of 30, Add</i>	40.51	
01 56 16 00-0092	EA		36" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use.	64.32	
			<i>For 60 Layers Instead Of 30, Add</i>	44.78	
01 56 16 00-0093	EA		36" x 46", 30 Layer Sticky Mat..... Note: Includes removal after use.	70.00	
			<i>For 60 Layers Instead Of 30, Add</i>	49.04	
01 56 16 00-0094	EA		36" x 60", 30 Layer Sticky Mat..... Note: Includes removal after use.	141.08	
			<i>For 60 Layers Instead Of 30, Add</i>	102.35	
01 56 16 00-0095	EA		36" x 72", 30 Layer Sticky Mat..... Note: Includes removal after use.	168.37	
01 56 26			Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001			Temporary Fencing <small>(01 56 26)</small> Note: Per ASTM A392-06 Standards		
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.....	7.05	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500, Deduct</i>	-0.50	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	7.85	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	10.82	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.96	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	23.86	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.84	
			<i>For Each LF Shade Cloth, Add</i>	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.....	7.39	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.55	
			<i>For Each LF Shade Cloth, Add</i>	1.60	



General Requirements		01	5
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 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months 8.22 For >100 To 250, Deduct -0.21 For >250 To 500, Deduct -0.42 For >500, Deduct -0.62 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 11.45 For >100 To 250, Deduct -0.35 For >250 To 500, Deduct -0.70 For >500, Deduct -1.05 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 25.75 For >100 To 250, Deduct -1.04 For >250 To 500, Deduct -2.09 For >500, Deduct -3.13 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months 7.76 For >100 To 250, Deduct -0.20 For >250 To 500, Deduct -0.41 For >500, Deduct -0.61 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 8.65 For >100 To 250, Deduct -0.23 For >250 To 500, Deduct -0.46 For >500, Deduct -0.69 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 12.16 For >100 To 250, Deduct -0.39 For >250 To 500, Deduct -0.77 For >500, Deduct -1.16 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 27.84 For >100 To 250, Deduct -1.15 For >250 To 500, Deduct -2.29 For >500, Deduct -3.44 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months 8.16 For >100 To 250, Deduct -0.22 For >250 To 500, Deduct -0.45 For >500, Deduct -0.67 For Each LF Shade Cloth, Add 1.60		
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months 9.07 For >100 To 250, Deduct -0.25 For >250 To 500, Deduct -0.50 For >500, Deduct -0.75 For Each LF Shade Cloth, Add 2.55		
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months 12.92 For >100 To 250, Deduct -0.42 For >250 To 500, Deduct -0.85 For >500, Deduct -1.27 For Each LF Shade Cloth, Add 3.60		
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months 30.12 For >100 To 250, Deduct -1.26 For >250 To 500, Deduct -2.52 For >500, Deduct -3.78 For Each LF Shade Cloth, Add 4.75		
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001) 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 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 282.56 For Each LF Shade Cloth, Add 15.92		
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 479.65 For Each LF Shade Cloth, Add 39.79		
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 537.21 For Each LF Shade Cloth, Add 47.75		
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 611.40 For Each LF Shade Cloth, Add 59.69		
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 732.51 For Each LF Shade Cloth, Add 79.58		
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months 815.17 For Each LF Shade Cloth, Add 95.50		
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	302.45	
For Each LF Shade Cloth, Add	25.37	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	517.85	
For Each LF Shade Cloth, Add	63.42	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	581.25	
For Each LF Shade Cloth, Add	76.10	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	673.36	
For Each LF Shade Cloth, Add	95.12	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	814.04	
For Each LF Shade Cloth, Add	126.83	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	923.35	
For Each LF Shade Cloth, Add	152.20	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	337.68	
For Each LF Shade Cloth, Add	35.81	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	593.24	
For Shade Cloth, Add	89.53	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	663.64	
For Shade Cloth, Add	107.43	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	759.56	
For Shade Cloth, Add	134.29	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	928.30	
For Shade Cloth, Add	179.06	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,076.71	
For Shade Cloth, Add	214.87	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	409.23	
For Each LF Shade Cloth, Add	47.25	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	711.72	
For Each LF Shade Cloth, Add	118.13	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	797.76	
For Each LF Shade Cloth, Add	141.75	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	911.75	
For Each LF Shade Cloth, Add	177.19	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,114.57	
For Each LF Shade Cloth, Add	236.26	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,286.86	
For Each LF Shade Cloth, Add	283.51	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	293.22	
For Each LF Shade Cloth, Add	15.92	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	496.23	
For Each LF Shade Cloth, Add	39.79	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	556.15	
For Each LF Shade Cloth, Add	47.75	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	632.72	
For Each LF Shade Cloth, Add	59.69	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	758.57	
For Each LF Shade Cloth, Add	79.58	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	843.59	
For Each LF Shade Cloth, Add	95.50	
01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	313.59	
For Each LF Shade Cloth, Add	25.37	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	535.18	
For Each LF Shade Cloth, Add	63.42	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	601.06	
For Each LF Shade Cloth, Add	76.10	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	695.65	
For Each LF Shade Cloth, Add	95.12	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	841.28	
For Each LF Shade Cloth, Add	126.83	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	953.06	
For Each LF Shade Cloth, Add	152.20	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	349.93	
For Each LF Shade Cloth, Add	35.81	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	612.31	
For Shade Cloth, Add	89.53	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	685.43	
For Shade Cloth, Add	107.43	



General Requirements			01
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 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	784.08	
			For Shade Cloth, Add	134.29	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	958.27	
			For Shade Cloth, Add	179.06	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,109.39	
			For Shade Cloth, Add	214.87	
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)					
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	424.55	
			For Each LF Shade Cloth, Add	47.25	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	735.55	
			For Each LF Shade Cloth, Add	118.13	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	825.00	
			For Each LF Shade Cloth, Add	141.75	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	942.40	
			For Each LF Shade Cloth, Add	177.19	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,152.02	
			For Each LF Shade Cloth, Add	236.26	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,327.72	
			For Each LF Shade Cloth, Add	283.51	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)					
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)					
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	304.41	
			For Each LF Shade Cloth, Add	15.92	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	513.64	
			For Each LF Shade Cloth, Add	39.79	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	576.05	
			For Each LF Shade Cloth, Add	47.75	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	655.10	
			For Each LF Shade Cloth, Add	59.69	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	785.92	
			For Each LF Shade Cloth, Add	79.58	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.43	
			For Each LF Shade Cloth, Add	95.50	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)					
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.29	
			For Each LF Shade Cloth, Add	25.37	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	553.38	
			For Each LF Shade Cloth, Add	63.42	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	621.86	
			For Each LF Shade Cloth, Add	76.10	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	719.05	
			For Each LF Shade Cloth, Add	95.12	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	869.88	
			For Each LF Shade Cloth, Add	126.83	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	984.26	
			For Each LF Shade Cloth, Add	152.20	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)					
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	362.80	
			For Each LF Shade Cloth, Add	35.81	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	632.33	
			For Shade Cloth, Add	89.53	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	708.31	
			For Shade Cloth, Add	107.43	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	809.82	
			For Shade Cloth, Add	134.29	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	989.72	
			For Shade Cloth, Add	179.06	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,143.71	
			For Shade Cloth, Add	214.87	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)					
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	440.64	
			For Each LF Shade Cloth, Add	47.25	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	760.57	
			For Each LF Shade Cloth, Add	118.13	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	853.60	
			For Each LF Shade Cloth, Add	141.75	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	974.57	
			For Each LF Shade Cloth, Add	177.19	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,191.35	
			For Each LF Shade Cloth, Add	236.26	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,370.62	
			For Each LF Shade Cloth, Add	283.51	

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	315.60	
		For Each LF Shade Cloth, Add	15.92	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	531.05	
		For Each LF Shade Cloth, Add	39.79	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	595.94	
		For Each LF Shade Cloth, Add	47.75	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	677.48	
		For Each LF Shade Cloth, Add	59.69	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	813.28	
		For Each LF Shade Cloth, Add	79.58	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	903.28	
		For Each LF Shade Cloth, Add	95.50	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	336.99	
		For Each LF Shade Cloth, Add	25.37	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	571.58	
		For Each LF Shade Cloth, Add	63.42	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	642.66	
		For Each LF Shade Cloth, Add	76.10	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	742.45	
		For Each LF Shade Cloth, Add	95.12	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	898.48	
		For Each LF Shade Cloth, Add	126.83	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,015.46	
		For Each LF Shade Cloth, Add	152.20	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	375.67	
		For Each LF Shade Cloth, Add	35.81	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.35	
		For Shade Cloth, Add	89.53	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	731.19	
		For Shade Cloth, Add	107.43	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	835.56	
		For Shade Cloth, Add	134.29	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,021.18	
		For Shade Cloth, Add	179.06	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,178.03	
		For Shade Cloth, Add	214.87	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	456.73	
		For Each LF Shade Cloth, Add	47.25	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	785.60	
		For Each LF Shade Cloth, Add	118.13	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	882.20	
		For Each LF Shade Cloth, Add	141.75	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,006.74	
		For Each LF Shade Cloth, Add	177.19	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,230.67	
		For Each LF Shade Cloth, Add	236.26	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,413.52	
		For Each LF Shade Cloth, Add	283.51	
01 56 26 00-0140		Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
		Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141		Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	7.70	
		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 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.56	
		For >100 To 250, Deduct	-0.22	
		For >250 To 500, Deduct	-0.45	
		For >500, Deduct	-0.67	
		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	11.68	
		For >100 To 250, Deduct	-0.36	
		For >250 To 500, Deduct	-0.72	
		For >500, Deduct	-1.09	
		For Each LF Shade Cloth, Add	3.60	



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

5

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.05	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.65	
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	8.93	
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 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.30	
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	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.39	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.70	
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	9.36	
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 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.02	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.29	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.82	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.77	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.79	
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 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	13.76	
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	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag	6.98	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	3.97	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	5.97	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	8.61	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	10.60	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.92	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.11	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.25	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	120.28	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	138.79	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	171.17	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	185.05	

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



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 56 26 00-0174	Temporary Safety Fence (01 56 26) Note: Includes removal after use.			
01 56 26 00-0175	LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence		3.58	
01 56 29	Temporary Protective Walkways (01 56)			
01 56 29 00-0001	Temporary Sidewalk Bridge Protection (01 56 29)			
01 56 29 00-0002	Installation of Sidewalk Bridge (01 56 29 00-0001) 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		195.03	
	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		4.97	
01 56 29 00-0005	Monthly Rental of Sidewalk Bridge (01 56 29 00-0001) 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		15.49	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		2.32	
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		17.45	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		2.62	
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		19.38	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		2.91	
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		19.38	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		2.91	
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		21.30	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		3.20	
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		25.21	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		3.78	
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		23.28	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		3.49	
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		27.15	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		4.07	
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		29.05	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
	For 3 Post System, Add		4.36	
01 56 29 00-0015	LF Monthly Rental of Netting for Sidewalk Bridge		2.90	
01 56 29 00-0016	Removal of Sidewalk Bridge (01 56 29 00-0001)			
01 56 29 00-0017	LF Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly		40.60	
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.			
	For 3 Post System, Add		2.50	
	For Each Additional Foot Over 8' Wide, Add		1.25	
	For Each Additional Foot Over 8' High, Add		0.75	
01 56 29 00-0018	LF Removal Of Netting For Sidewalk Bridge		1.39	
01 56 29 00-0019	Temporary Safety Nets (01 56 29) Note: Includes removal after use.			
01 56 29 00-0020	SF Small Mesh Debris Netting		2.90	
	Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.			
01 56 33	Temporary Security Barriers (01 56)			
01 56 33 00-0001	Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.			
01 56 33 00-0002	OPNG Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day		13.88	
01 56 33 00-0003	SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening		8.87	



General Requirements			01
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 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.27		
01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)					
Note: Portable, interlocking galvanized steel fence with pivoting legs.					
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.47		
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	35.15		
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	105.44		
01 56 39 Temporary Tree and Plant Protection (01 56)					
01 56 39 00-0001 Temporary Tree Guards (01 56 39)					
Note: Includes digging holes and removal after use.					
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	203.87		
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	242.35		
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	263.51		
01 57 Temporary Controls (01 50)					
01 57 13 Temporary Erosion and Sediment Control (01 57)					
01 57 23 Temporary Storm Water Pollution Control (01 57)					
01 57 23 00-0001 Temporary Drain Guard (01 57 23)					
Note: Includes removal after use.					
01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	112.43		
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	110.31		
Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.					
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	140.26		
Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.					
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	138.11		
Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.					
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	170.22		
Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.					
01 58 Project Identification (01 50)					
Note: Includes removal after use.					
01 58 13 Temporary Project Signage (01 58)					
01 58 13 00-0001 Project Sign (01 58 13)					
01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)					
Note: Excludes posts.					
01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)					
01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)					
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	162.34	25.45	
For High-Intensity Grade, Add			39.00		
For Diamond Grade, Add			75.22		
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	276.08	26.61	
For High-Intensity Grade, Add			78.00		
For Diamond Grade, Add			150.44		
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	389.83	27.76	
For High-Intensity Grade, Add			117.01		
For Diamond Grade, Add			225.66		
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	503.57	28.92	
For High-Intensity Grade, Add			156.01		
For Diamond Grade, Add			300.87		
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.78	0.92	
For High-Intensity Grade, Add			4.88		
For Diamond Grade, Add			9.40		
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)					
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)					
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	208.96	25.45	
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	249.00	26.61	
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	311.47	27.76	
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	370.47	28.92	
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.62	0.92	
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)					
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	213.41	25.45	
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	272.99	26.61	

01	General Requirements
01 50	Temporary Facilities and Controls
01 58	Project Identification



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	335.85	27.76
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	391.36	28.92
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.27	0.92
01 58 13 00-0023		Fabricate And Install New Posts (01 58 13 00-0001) Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	19.26	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	14.89	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	17.88	
01 58 13 00-0027		Owner Supplied Signs (01 58 13 00-0001)		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	92.54	

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 (01 66 19) 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.....	17.80	
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.	11.57	
01 66 19 00-0004		Transfer Delivered Materials Distances Greater Than 125' (01 66 19) 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'	7.23	
01 66 19 00-0006		Transfer Demolition Debris Between Floors (01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor	17.80	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip	11.57	
01 66 19 00-0009		Transfer Demolition Debris Distances Greater Than 125' (01 66 19) 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'.....	7.23	
01 66 19 00-0011		Moving Furniture And Furnishings (01 66 19) 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.	1.16	

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 00-0914 for cranes.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	492.62	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... 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.	1,536.72	



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Examination and Preparation		01 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)			
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.....	525.45	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				131.36
For >60 To 100 Miles Radius, Add				210.18
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane	853.86	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				213.47
For >60 To 100 Miles Radius, Add				341.54
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane	1,182.27	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				295.57
For >60 To 100 Miles Radius, Add				472.91
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane	1,904.76	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				476.19
For >60 To 100 Miles Radius, Add				761.90
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane	2,390.81	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				597.70
For >60 To 100 Miles Radius, Add				956.32
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane	2,975.37	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				743.84
For >60 To 100 Miles Radius, Add				1,190.15
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane	3,428.57	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				857.14
For >60 To 100 Miles Radius, Add				1,371.43
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane	3,835.80	
Note: Includes delivery and pickup.				
For >30 To 60 Miles Radius, Add				958.95
For >60 To 100 Miles Radius, Add				1,534.32
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	2,036.13	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				509.03
For >60 To 100 Miles Radius, Add				814.45
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	3,218.40	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				804.60
For >60 To 100 Miles Radius, Add				1,287.36
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	4,072.25	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				1,018.06
For >60 To 100 Miles Radius, Add				1,628.90
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	5,057.47	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				1,264.37
For >60 To 100 Miles Radius, Add				2,022.99
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	6,305.43	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				1,576.36
For >60 To 100 Miles Radius, Add				2,522.17
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	7,356.33	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				1,839.08
For >60 To 100 Miles Radius, Add				2,942.53
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	10,509.04	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				2,627.26
For >60 To 100 Miles Radius, Add				4,203.62
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	14,410.52	
Note: Includes delivery, rigging and pickup.				
For >30 To 60 Miles Radius, Add				3,602.63
For >60 To 100 Miles Radius, Add				5,764.21

01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)

01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)

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	.....	1,319.09	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	.....	3,681.49	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	.....	5,288.56	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	.....	7,938.60	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	.....	9,933.61	

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



MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
01 71 23 16-0007	Property Lines Survey (01 71 23 16)			
	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		2.92
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land		3.38
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land.....		3.95
01 71 23 16-0011	Survey Monument (01 71 23 16)			
01 71 23 16-0012	EA	3' Precast Survey Monument.....		207.99
		For Owner Furnished Monument, Deduct		-82.45
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover.....		311.57
01 71 23 16-0014	EA	Riser Ring For Survey Monument.....		160.82
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade.....		247.35
01 71 23 16-0016	Facade Surveying (01 71 23 16)			
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)		8.02
01 71 23 16-0018	Utility Survey (01 71 23 16)			
	Note: This survey is only for the location of underground utilities.			
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities.....		6,762.21
01 71 23 16-0020	GPR Bridge Deck And Pavement Inspection (01 71 23 16)			
01 71 23 16-0021	GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)			
	Note: One mobilization per project.			
01 71 23 16-0022	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee.....		4,104.76
01 71 23 16-0023	Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)			
	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.....		3,013.35
01 71 23 16-0025	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....		1.27
01 71 23 16-0026	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		1.00
01 71 23 16-0027	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		0.80
01 71 23 16-0028	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		0.60
01 71 23 16-0029	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		0.48
01 71 23 16-0030	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		0.38
01 71 23 16-0031	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection		0.28
01 71 23 16-0032	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)			
	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		1,004.45
01 71 23 16-0034	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection		0.06
01 71 23 16-0035	Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)			
	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.....		1,004.45
01 71 23 16-0037	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....		0.46
01 71 23 16-0038	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection		0.36
01 71 23 16-0039	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection		0.28
01 71 23 16-0040	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection		0.22
01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection		0.18
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	Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020)			
	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		7,469.09
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection		3,256.43
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection		2,424.74
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection		1,323.87
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection		1,040.61
01 71 23 16-0050	Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0020)			
	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		9,504.11



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Examination and Preparation		01 71	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	4,469.80	
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	3,395.04	
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	1,902.43	
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	1,504.67	
01 71 23 16-0056		Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0020)		
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.....	11,286.00	
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	5,530.50	
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	4,242.80	
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	2,408.67	
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	1,908.46	
01 71 23 16-0062		Drone Survey (Extreme Aerial Productions) (01 71 23 16)		
Note: Thermographic services to electrical line grid inspections.				
01 71 23 16-0063		Mobilization For Drone Surveying (01 71 23 16-0062)		
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.....	270.04	
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	675.11	
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	180.03	
01 71 23 16-0067	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection.....	360.06	
01 71 23 16-0068	EA	Mobilization For Drone Survey Stockpile.....	180.03	
01 71 23 16-0069	EA	Mobilization For Drone Inspection.....	180.03	
01 71 23 16-0070	EA	Mobilization For Qualitative Drone Thermal Inspection.....	360.06	
01 71 23 16-0071	EA	Mobilization For Quantitative Drone Thermal Inspection.....	450.08	
01 71 23 16-0072	EA	Mobilization For Drone Agricultural Multispectral Survey.....	720.12	
01 71 23 16-0073	EA	Mobilization For Drone Building Inspection/Scan/Thermal.....	540.09	
01 71 23 16-0074	EA	Mobilization For Drone 3D Modelling.....	450.08	
01 71 23 16-0075	EA	Mobilization For Drone Spraying Crops Or Sanitation.....	810.14	
01 71 23 16-0076	EA	Mobilization For Drone Video Progression/Marketing.....	180.03	
01 71 23 16-0077	EA	Mobilization For Drone Pictures Progression/Marketing.....	180.03	
01 71 23 16-0078	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks.....	180.03	
01 71 23 16-0079	EA	Mobilization For Drone Accident Reconstruction.....	180.03	
01 71 23 16-0080	EA	Mobilization For Drone Landfill Survey.....	270.04	
01 71 23 16-0081	EA	Mobilization For Drone Event Security Using Tethered Drones.....	360.06	
01 71 23 16-0082	EA	Mobilization For Drone Emergency Response.....	900.15	
01 71 23 16-0083	EA	Mobilization For Drone Cell Tower Inspection.....	270.04	
01 71 23 16-0084		Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0085	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	657.11	
Note: 3 hour minimum				
For Visual Observation, Add			180.03	
For Additional Manpower, Add			180.03	
01 71 23 16-0086	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	837.14	
For Visual Observation, Add			270.04	
For Additional Manpower, Add			216.04	
01 71 23 16-0087	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	540.09	
Note: 3 hour minimum				
For Visual Observation, Add			180.03	
For Additional Manpower, Add			180.03	
01 71 23 16-0088	HR	Drone Road Survey For Topography/Progression/Inspection.....	630.10	
Note: 3 hour minimum				
For Visual Observation, Add			270.04	
For Additional Manpower, Add			180.03	
01 71 23 16-0089	HR	Drone Survey Stockpile.....	450.08	
Note: 3 hour minimum				
For Visual Observation, Add			180.03	
For Additional Manpower, Add			180.03	
01 71 23 16-0090	HR	Drone Inspection.....	630.10	
Note: 3 hour minimum				
For Visual Observation, Add			180.03	
For Additional Manpower, Add			180.03	
01 71 23 16-0091	HR	Qualitative Drone Thermal Inspection.....	720.12	
Note: 5 hour minimum				
For Visual Observation, Add			270.04	
For Additional Manpower, Add			180.03	
01 71 23 16-0092	HR	Quantitative Drone Thermal Inspection.....	1,080.18	
Note: 5 hour minimum				
For Visual Observation, Add			270.04	
For Additional Manpower, Add			180.03	
01 71 23 16-0093	HR	Drone Agricultural Multispectral Survey.....	810.14	
Note: 6 hour minimum				
For Visual Observation, Add			180.03	
For Additional Manpower, Add			180.03	
01 71 23 16-0094	HR	Drone Building Inspection/Scan/Thermal.....	720.12	
Note: 3 hour minimum				
For Visual Observation, Add			270.04	
For Additional Manpower, Add			180.03	

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0095	HR	Drone 3D Modelling Note: 3 hour minimum	540.09	
		For Visual Observation, Add	270.04	
		For Additional Manpower, Add	180.03	
01 71 23 16-0096	HR	Drone Spraying Crops Or Sanitation Note: 3 hour minimum	720.12	
		For Visual Observation, Add	225.04	
		For Additional Manpower, Add	180.03	
01 71 23 16-0097	HR	Drone Video Progression/Marketing Note: 2 hour minimum	360.06	
		For Visual Observation, Add	180.03	
		For Additional Manpower, Add	180.03	
01 71 23 16-0098	HR	Drone Pictures Progression/Marketing Note: 2 hour minimum	270.04	
		For Visual Observation, Add	180.03	
		For Additional Manpower, Add	180.03	
01 71 23 16-0099	HR	Drone Training, Flying, Test Prep, Equipment Checks Note: 3 hour minimum	540.09	
01 71 23 16-0100	HR	Drone Accident Reconstruction Note: 2 hour minimum	810.14	
		For Visual Observation, Add	180.03	
		For Additional Manpower, Add	180.03	
01 71 23 16-0101	HR	Drone Landfill Survey Note: 3 hour minimum	657.11	
		For Visual Observation, Add	180.03	
		For Additional Manpower, Add	180.03	
01 71 23 16-0102	HR	Drone Event Security Using Tethered Drones Note: 3 hour minimum	450.08	
		For Visual Observation, Add	180.03	
		For Additional Manpower, Add	180.03	
01 71 23 16-0103	HR	Drone Emergency Response Note: 3 hour minimum	450.08	
		For Visual Observation, Add	270.04	
		For Additional Manpower, Add	180.03	
01 71 23 16-0104	HR	Drone Cell Tower Inspection Note: 3 hour minimum	450.08	
		For Visual Observation, Add	225.04	
		For Additional Manpower, Add	180.03	
01 71 23 16-0105		Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0106	Day	Utilization Of GPS Ground Control For Drone Surveying.....	450.08	
01 71 23 16-0107	Day	Utilization Of GPS Base Station Per Day For Drone Surveying.....	450.08	
01 71 23 16-0108	HR	Processing And Data Deliverables And Reporting For Drone Surveying..... Note: 2 hour minimum	180.03	
01 71 23 16-0109	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying..... Note: 3 hour minimum	360.06	
01 71 23 16-0110		Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0111	MI	Travel Over 100 Miles For Drone Surveying Note: For additional miles over 100	1.04	
01 71 23 16-0112	EA	Overnight Stay Per Person For Drone Surveying	225.04	
01 71 23 16-0113	EA	Waiver Utilization B, C, D, And E For Drone Surveying Note: Restricted airspace	90.02	
01 71 23 16-0114	EA	Night Waiver For Drone Surveying	117.02	
01 71 23 16-0115	EA	Flying Over People Waiver For Drone Surveying	180.03	
01 71 23 16-0116	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	900.15	
01 71 23 16-0117	HR	Editing Video For Drone Surveying..... Note: 2 hour minimum	180.03	
01 71 23 16-0118	HR	Editing Pictures For Drone Surveying..... Note: 2 hour minimum	90.02	
01 71 23 16-0119	HR	Custom Post Processing For Drone Surveying..... Note: 3 hour minimum	270.04	
01 71 36		Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001		Electromagnetic Survey (01 71 36) 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).		
01 71 36 00-0002		Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,742.85	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,485.70	
01 71 36 00-0006		Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)		
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.	387.30	



General Requirements		01	Σ
Execution and Closeout Requirements		01 70	
Examination and Preparation		01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0008 EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60	
01 71 36 00-0009 EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85	

01 74 Cleaning and Waste Management (01 74)

01 74 13 Progress Cleaning (01 74)

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.

01 74 13 00-0001 General (01 74 13)

01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	23.16
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster	27.19

Note: Per CY of debris removed.

01 74 16 Site Maintenance (01 74)

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)

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.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)

01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	24.46
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	29.37

01 74 16 00-0005 Runway Sweeping (01 74 16 00-0001)

01 74 16 00-0006 MSF Sweep Runway, With Street Sweep	36.71
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01 74 19 Construction Waste Management and Disposal (01 74)

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

01 74 19 00-0001 Debris Chutes (01 74 19)

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	44.36
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	67.17

01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute	17.56
For Steel Liner, Add	3.44
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute	20.13
For Steel Liner, Add	3.94
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute	22.70
For Steel Liner, Add	4.45

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

01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute	34.51
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Note: Includes fabrication and installation.

01 74 19 00-0011 Construction Dumpsters Rental (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".....	596.85
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 00-0014 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".....	745.13
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	General Requirements
01 70	Execution and Closeout Requirements
01 74	Cleaning and Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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.		
01 74 19 00-0020 Concrete Washout Service (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	640.17	
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	1,387.04	
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.		
01 74 19 00-0025 Debris Processing Fee (01 74 19)		
01 74 19 00-0026 Material Recycling Fees (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	18.24	
01 74 19 00-0028 CY Drop-Off Non-Reinforced Concrete At Recycling Center.....	24.44	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center.....	36.66	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center.....	31.77	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center.....	35.44	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center.....	17.11	
01 74 19 00-0033 Landfill Dump Fees (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.....	16.26	
01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee.....	70.88	
01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee	19.58	
01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee.....	46.68	
Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.		
01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	33.17	
01 74 19 00-0039 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash).....	54.36	
01 74 19 00-0040 CY Clay Loads, Expansive Materials.....	67.95	
01 74 19 00-0041 TON General Refuse.....	79.51	
01 74 19 00-0042 EA Tires.....	15.46	
01 74 19 00-0043 Hauling (01 74 19)		
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: 32 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	1.02	
01 74 19 00-0045 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.68	
01 74 19 00-0046 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.57	
01 74 19 00-0047 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.23	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Cleaning Of Glass (01 74 23)		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces	31.62	

END OF SECTION 01



Existing Conditions		02
Assessment		02 20
Existing Material Assessment		02 25

02

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

02 20 Assessment⁽⁰²⁾

02 25 Existing Material Assessment^(02 20)

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

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

02 25 16 13 Concrete Assessment Drilling^(02 25 16)

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

02 30 Subsurface Investigation⁽⁰²⁾

02 32 Geotechnical Investigations^(02 30)

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

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,237.62

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 37.27

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 96.99

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 165.89

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

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 102.40

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 9.75

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

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 132.45

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 11.21

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

Note: Excludes backfill.

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

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 74.15

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 86.50

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 115.34

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

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 205.61

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 370.10

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

02 32 13 00-0023 EA Shelby Tube Sampling 55.95

02 32 13 00-0024 EA Penetration Test 45.59

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

02 32 13 00-0026 VLF Boreholes 10.61

02 32 19 Exploratory Excavations^(02 32)

02 32 19 00-0001 Hydro Excavation^(02 32 19)

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1314 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 Hydro Excavation, Minimum Charge 1,646.35

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 940.77

Note: Includes initial water.

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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.....	1,175.97
		Note: Includes initial water	
02 32 19 00-0005	EA	Move And Reset Up At Different Access/Location, Hydro Excavation.....	117.60
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	98.08
		Note: Normal soil conditions consist of silt, sand and gravel.	
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	156.88
		Note: Adverse soil conditions consist of clay, glacial till and rocks.	

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

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.....	7.79
		For >500 To 1,000, Deduct	-0.78
		For >1,000 To 2,500, Deduct	-1.40
		For >2,500 To 5,000, Deduct	-2.03
		For >5,000 To 10,000, Deduct	-2.65
		For >10,000, Deduct	-3.27
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving.....	11.68
		For >500 To 1,000, Deduct	-1.17
		For >1,000 To 2,500, Deduct	-2.10
		For >2,500 To 5,000, Deduct	-3.04
		For >5,000 To 10,000, Deduct	-3.97
		For >10,000, Deduct	-4.91
02 41 13 13-0004	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving.....	14.87
		For >500 To 1,000, Deduct	-1.49
		For >1,000 To 2,500, Deduct	-2.68
		For >2,500 To 5,000, Deduct	-3.87
		For >5,000 To 10,000, Deduct	-5.06
		For >10,000, Deduct	-6.25
02 41 13 13-0005	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	21.00
		For >500 To 1,000, Deduct	-2.10
		For >1,000 To 2,500, Deduct	-3.78
		For >2,500 To 5,000, Deduct	-5.46
		For >5,000 To 10,000, Deduct	-7.14
		For >10,000, Deduct	-8.82
02 41 13 13-0006	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	29.76
		For >500 To 1,000, Deduct	-2.98
		For >1,000 To 2,500, Deduct	-5.36
		For >2,500 To 5,000, Deduct	-7.74
		For >5,000 To 10,000, Deduct	-10.12
		For >10,000, Deduct	-12.50
02 41 13 13-0007	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	42.00
		For >500 To 1,000, Deduct	-4.20
		For >1,000 To 2,500, Deduct	-7.56
		For >2,500 To 5,000, Deduct	-10.92
		For >5,000 To 10,000, Deduct	-14.28
		For >10,000, Deduct	-17.64
02 41 13 13-0008	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	54.92
		For >500 To 1,000, Deduct	-5.49
		For >1,000 To 2,500, Deduct	-9.89
		For >2,500 To 5,000, Deduct	-14.28
		For >5,000 To 10,000, Deduct	-18.67
		For >10,000, Deduct	-23.07
02 41 13 13-0009	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	71.41
		For >500 To 1,000, Deduct	-7.14
		For >1,000 To 2,500, Deduct	-12.85
		For >2,500 To 5,000, Deduct	-18.57
		For >5,000 To 10,000, Deduct	-24.28
		For >10,000, Deduct	-29.99

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

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 13-0036 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.....	1.90
02 41 13 13-0012	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving.....	2.41
02 41 13 13-0013	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving.....	3.19
02 41 13 13-0014	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	2.38



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

02

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	3.02	
02 41 13 13-0016	SF		>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.98	
02 41 13 13-0017			By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13) 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.		
02 41 13 13-0018	SY		Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.61	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.98	
			For Elevated Slab, Add	8.31	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000 To 2,500, Deduct	-2.99	
			For >2,500 To 5,000, Deduct	-4.32	
			For >5,000 To 10,000, Deduct	-5.65	
			For >10,000, Deduct	-6.98	
02 41 13 13-0019	SY		>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.66	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.80	
			For Elevated Slab, Add	11.33	
			For >500 To 1,000, Deduct	-2.27	
			For >1,000 To 2,500, Deduct	-4.08	
			For >2,500 To 5,000, Deduct	-5.89	
			For >5,000 To 10,000, Deduct	-7.70	
			For >10,000, Deduct	-9.52	
02 41 13 13-0020	SY		>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.45	
			For Elevated Slab, Add	15.73	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000 To 2,500, Deduct	-5.66	
			For >2,500 To 5,000, Deduct	-8.18	
			For >5,000 To 10,000, Deduct	-10.69	
			For >10,000, Deduct	-13.21	
02 41 13 13-0021	SY		>9" To 12" By Machine, Break-up And Remove Bituminous Paving	41.04	
			For Elevated Slab, Add	20.52	
			For >500 To 1,000, Deduct	-4.10	
			For >1,000 To 2,500, Deduct	-7.39	
			For >2,500 To 5,000, Deduct	-10.67	
			For >5,000 To 10,000, Deduct	-13.95	
			For >10,000, Deduct	-17.24	
02 41 13 13-0022	SY		>12" To 15" By Machine, Break-up And Remove Bituminous Paving	57.13	
			For Elevated Slab, Add	28.57	
			For >500 To 1,000, Deduct	-5.71	
			For >1,000 To 2,500, Deduct	-10.28	
			For >2,500 To 5,000, Deduct	-14.85	
			For >5,000 To 10,000, Deduct	-19.42	
			For >10,000, Deduct	-23.99	
02 41 13 13-0023	SY		Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.10	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.73	
			For Elevated Slab, Add	9.55	
			For >500 To 1,000, Deduct	-1.91	
			For >1,000 To 2,500, Deduct	-3.44	
			For >2,500 To 5,000, Deduct	-4.97	
			For >5,000 To 10,000, Deduct	-6.49	
			For >10,000, Deduct	-8.02	
02 41 13 13-0024	SY		>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.99	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.50	
			For Elevated Slab, Add	12.50	
			For >500 To 1,000, Deduct	-2.50	
			For >1,000 To 2,500, Deduct	-4.50	
			For >2,500 To 5,000, Deduct	-6.50	
			For >5,000 To 10,000, Deduct	-8.50	
			For >10,000, Deduct	-10.50	
02 41 13 13-0025	SY		>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.63	
			For Elevated Slab, Add	22.32	
			For >500 To 1,000, Deduct	-4.46	
			For >1,000 To 2,500, Deduct	-8.03	
			For >2,500 To 5,000, Deduct	-11.60	
			For >5,000 To 10,000, Deduct	-15.17	
			For >10,000, Deduct	-18.74	
02 41 13 13-0026	SY		>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	58.31	
			For Elevated Slab, Add	29.16	
			For >500 To 1,000, Deduct	-5.83	
			For >1,000 To 2,500, Deduct	-10.50	
			For >2,500 To 5,000, Deduct	-15.16	
			For >5,000 To 10,000, Deduct	-19.83	
			For >10,000, Deduct	-24.49	
02 41 13 13-0027	SY		Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.35	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.61	
			For Elevated Slab, Add	12.68	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000 To 2,500, Deduct	-4.56	
			For >2,500 To 5,000, Deduct	-6.59	
			For >5,000 To 10,000, Deduct	-8.62	
			For >10,000, Deduct	-10.65	

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 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.84	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.85	
For Elevated Slab, Add	16.42	
For >500 To 1,000, Deduct	-3.28	
For >1,000 To 2,500, Deduct	-5.91	
For >2,500 To 5,000, Deduct	-8.54	
For >5,000 To 10,000, Deduct	-11.17	
For >10,000, Deduct	-13.79	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	54.45	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	16.34	
For Elevated Slab, Add	27.23	
For >500 To 1,000, Deduct	-5.45	
For >1,000 To 2,500, Deduct	-9.80	
For >2,500 To 5,000, Deduct	-14.16	
For >5,000 To 10,000, Deduct	-18.51	
For >10,000, Deduct	-22.87	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	27.49	
For Elevated Slab, Add	13.75	
For >500 To 1,000, Deduct	-2.75	
For >1,000 To 2,500, Deduct	-4.95	
For >2,500 To 5,000, Deduct	-7.15	
For >5,000 To 10,000, Deduct	-9.35	
For >10,000, Deduct	-11.55	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	35.34	
For Elevated Slab, Add	17.67	
For >500 To 1,000, Deduct	-3.53	
For >1,000 To 2,500, Deduct	-6.36	
For >2,500 To 5,000, Deduct	-9.19	
For >5,000 To 10,000, Deduct	-12.02	
For >10,000, Deduct	-14.84	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	63.20	
For Elevated Slab, Add	31.60	
For >500 To 1,000, Deduct	-6.32	
For >1,000 To 2,500, Deduct	-11.38	
For >2,500 To 5,000, Deduct	-16.43	
For >5,000 To 10,000, Deduct	-21.49	
For >10,000, Deduct	-26.54	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	82.47	
For Elevated Slab, Add	41.24	
For >500 To 1,000, Deduct	-8.25	
For >1,000 To 2,500, Deduct	-14.84	
For >2,500 To 5,000, Deduct	-21.44	
For >5,000 To 10,000, Deduct	-28.04	
For >10,000, Deduct	-34.64	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	107.82	
For Elevated Slab, Add	53.91	
For >500 To 1,000, Deduct	-10.78	
For >1,000 To 2,500, Deduct	-19.41	
For >2,500 To 5,000, Deduct	-28.03	
For >5,000 To 10,000, Deduct	-36.66	
For >10,000, Deduct	-45.28	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	130.85	
For Elevated Slab, Add	65.43	
For >500 To 1,000, Deduct	-13.09	
For >1,000 To 2,500, Deduct	-23.55	
For >2,500 To 5,000, Deduct	-34.02	
For >5,000 To 10,000, Deduct	-44.49	
For >10,000, Deduct	-54.96	
02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
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.....	7.25	
02 41 13 13-0038 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	5.30	
02 41 13 13-0039 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	7.32	
02 41 13 13-0040 SF >6" To 9" By Hand, Break-up And Remove Concrete Paving.....	9.38	
02 41 13 13-0041 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	7.43	
02 41 13 13-0042 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	10.24	
02 41 13 13-0043 SF >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	13.12	
02 41 13 13-0044 Grind Concrete (02 41 13 13)		



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

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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).....	267.78	
		Note: For each location up to 5' wide, feather up to 12" each direction.		
		For >1/2" To 1" Depth Of Grinding, Add	40.17	
		For >1" To 1-1/2" Depth Of Grinding, Add	66.95	
		For Up To 5, Add	53.56	
		For >5 To 10, Add	26.78	
		For >25 To 50, Deduct	-26.78	
		For >50 To 250, Deduct	-40.17	
		For >250, Deduct	-53.56	
		For Sidewalks >5', Add	26.78	
		For Up To 12" Additional Feathering Per Side, Add	26.78	
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	92.03	
02 41 13 13-0048	IF	2,000 To 3,000 Inch Feet Repair Uneven Sidewalks	87.31	
02 41 13 13-0049	IF	3,000 And Up Inch Feet Repair Uneven Sidewalks	82.59	
02 41 13 15		Hydro Demolition (02 41 13)		
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.....	8.26	
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	10.31	
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	13.80	
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	27.48	
02 41 19		Selective Demolition (02 41)		
02 41 19 13		Selective Building Demolition (02 41 19)		
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	15.52	
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	24.25	
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	31.06	
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	38.88	
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	47.77	
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.82	
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	31.47	
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.63	
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.08	
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.52	
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	22.07	
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.84	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.45	
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	5.90	
		For Cleaning and Storage For Reuse, Add	8.85	
		For Reinforcing, Add	0.89	
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	5.19	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.86	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.09	
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.75	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.51	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.64	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.14	

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 13-0028	SF		Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.03	
02 41 19 13-0029	SF		Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.51	
02 41 19 13-0030	SF		Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.30	
02 41 19 13-0031	SF		Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.20	
02 41 19 13-0032	SF		Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.77	
02 41 19 13-0033	SF		Demolish 4" Thick Brick Exterior Wall	5.19	
			<i>For Cleaning and Storage For Reuse, Add</i>	7.79	
02 41 19 13-0034	SF		Demolish 6" Thick Brick Exterior Wall	5.86	
			<i>For Cleaning and Storage For Reuse, Add</i>	8.79	
02 41 19 13-0035	SF		Demolish 8" Thick Brick Exterior Wall	7.09	
			<i>For Cleaning and Storage For Reuse, Add</i>	10.64	
02 41 19 13-0036	SF		Demolish 10" Thick Brick Exterior Wall	7.75	
			<i>For Cleaning and Storage For Reuse, Add</i>	11.63	
02 41 19 13-0037	SF		Demolish 12" Thick Brick Exterior Wall	8.51	
			<i>For Cleaning and Storage For Reuse, Add</i>	12.77	
02 41 19 13-0038	SF		Demolish 16" Thick Brick Exterior Wall	10.64	
			<i>For Cleaning and Storage For Reuse, Add</i>	15.96	
02 41 19 13-0039	CF		Exterior Brick, Concrete Block Or Composite Removal	15.12	
			<i>For Cleaning and Storage For Reuse, Add</i>	22.68	
			<i>For Reinforcing, Add</i>	2.27	
02 41 19 13-0040 Lintel Removal <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	14.39	
02 41 19 13-0042	LF		Demolish Concrete Or Stone Lintel	19.19	
02 41 19 13-0043	LF		Demolish Steel Shelf Angle	15.19	
02 41 19 13-0044 Reinstall Lintel <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	9.74	
02 41 19 13-0046	LF		Reinstall Existing Concrete Or Stone Lintel	19.19	
02 41 19 13-0047	LF		Reinstall Existing Steel Shelf Angle	51.87	
Note: Includes fasteners.					
02 41 19 13-0048	LF		Reinstall Existing Steel Lintel	21.32	
02 41 19 13-0049	LF		Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	85.81	
02 41 19 13-0050	LF		Removal And Replacement Of Steel Lintel Over Window Openings	148.47	
02 41 19 13-0051 Exterior Concrete Wall Removal <small>(02 41 19 13)</small>					
02 41 19 13-0052	SF		Demolish 4" Thick Reinforced Concrete Exterior Wall	7.13	
02 41 19 13-0053	SF		Demolish 6" Thick Reinforced Concrete Exterior Wall	12.94	
02 41 19 13-0054	SF		Demolish 8" Thick Reinforced Concrete Exterior Wall	16.26	
02 41 19 13-0055	SF		Demolish 10" Thick Reinforced Concrete Exterior Wall	19.18	
02 41 19 13-0056	SF		Demolish 12" Thick Reinforced Concrete Exterior Wall	22.68	
02 41 19 13-0057 Saw Cutting <small>(02 41 19 13)</small>					
Note: Includes blade wear, water, taping off area, layout, clean-up 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	1,166.32	
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	2.60	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.00	
			<i>For >250, Deduct</i>	-0.25	
02 41 19 13-0060	LF		Brick Masonry Up To 4" Depth, Saw Cut	9.54	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	3.76	
			<i>For >250, Deduct</i>	-0.94	
02 41 19 13-0061	LF		Concrete Block Up To 4" Depth, Saw Cut	8.64	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	3.40	
			<i>For >250, Deduct</i>	-0.85	
02 41 19 13-0062	LF		Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	3.00	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.14	
			<i>For >250, Deduct</i>	-0.28	
02 41 19 13-0063	LF		Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.94	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.50	
			<i>For >250, Deduct</i>	-0.37	
02 41 19 13-0064	LF		Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.44	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	2.50	
			<i>For >250, Deduct</i>	-0.62	
02 41 19 13-0065	LF		Plain Concrete Walls Up To 4" Depth, Saw Cut	12.18	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.81	
			<i>For >250, Deduct</i>	-1.20	
02 41 19 13-0066	LF		Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.36	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	6.46	
			<i>For >250, Deduct</i>	-1.61	



Existing Conditions		02
Demolition and Structure Moving		02 40
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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..... <i>For Each Additional Pass (Depth To 3"), Add</i> <i>For >250, Deduct</i>	3.26 1.18 -0.28	
02 41 19 13-0068	LF		Igneous Stone Pavements Up To 4" Depth, Saw Cut..... <i>For Each Additional Pass (Depth To 3"), Add</i> <i>For >250, Deduct</i>	8.68 3.41 -0.85	
02 41 19 13-0069	LF		Sedimentary Stone Pavements Up To 4" Depth, Saw Cut..... <i>For Each Additional Pass (Depth To 3"), Add</i> <i>For >250, Deduct</i>	8.68 3.41 -0.85	
02 41 19 13-0070	LF		Metamorphic Stone Pavements Up To 4" Depth, Saw Cut..... <i>For Each Additional Pass (Depth To 3"), Add</i> <i>For >250, Deduct</i>	8.68 3.41 -0.85	
02 41 19 13-0071	LF		Terrazzo Stone Pavements Up To 4" Depth, Saw Cut..... <i>For Each Additional Pass (Depth To 3"), Add</i> <i>For >250, Deduct</i>	8.68 3.41 -0.85	
02 41 19 13-0072			Torch Cutting (02 41 19 13) Note: Includes grinding edge		
02 41 19 13-0073	LF		Up To 1/2", Torch Cut Steel Plate.....	3.19	
02 41 19 13-0074	LF		>1/2" To 1" Thick, Torch Cut Steel Plate.....	6.38	
02 41 19 13-0075	LF		>1" To 1-1/2" Thick, Torch Cut Steel Plate.....	9.57	
02 41 19 13-0076	LF		>1-1/2" To 2" Thick, Torch Cut Steel Plate.....	12.75	
02 41 19 13-0077	LF		>2" To 2-1/2" Thick, Torch Cut Steel Plate.....	15.96	
02 41 19 13-0078	LF		>2-1/2" To 3" Thick, Torch Cut Steel Plate.....	19.14	
02 41 19 13-0079	EA		Torch Cutting Minimum Charge..... 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.	1,046.31	
02 41 19 13-0080			Drilling In Existing Materials (02 41 19 13) Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0081			Concrete Core Drilling (02 41 19 13-0080)		
02 41 19 13-0082			Up To 4" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0083	EA		Drill 1" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.08 9.11 18.23	
02 41 19 13-0084	EA		Drill 1-1/2" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.13 10.12 20.25	
02 41 19 13-0085	EA		Drill 2" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.77 11.25 22.50	
02 41 19 13-0086	EA		Drill 3" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.06 16.07 32.15	
02 41 19 13-0087	EA		Drill 4" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	108.62 21.54 43.08	
02 41 19 13-0088	EA		Drill 6" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.72 24.11 48.22	
02 41 19 13-0089	EA		Drill 8" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	194.49 38.58 77.16	
02 41 19 13-0090	EA		Drill 10" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	243.30 48.22 96.44	
02 41 19 13-0091	EA		Drill 12" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	283.92 56.26 112.52	
02 41 19 13-0092	EA		Drill 14" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	324.57 64.29 128.58	
02 41 19 13-0093	EA		Drill 18" Diameter Core In Up To 4" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	365.62 72.32 144.64	
02 41 19 13-0094			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0095	EA		Drill 1" Diameter Core In >4" To 6" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.88 13.02 26.04	
02 41 19 13-0096	EA		Drill 1-1/2" Diameter Core In >4" To 6" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.11 14.46 28.93	
02 41 19 13-0097	EA		Drill 2" Diameter Core In >4" To 6" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.15 16.07 32.14	
02 41 19 13-0098	EA		Drill 3" Diameter Core In >4" To 6" Concrete..... <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	97.53 19.29 38.58	

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.....	121.98	
For Horizontal Cores, Add	24.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.22	
02 41 19 13-0100 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	162.52	
For Horizontal Cores, Add	32.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.30	
02 41 19 13-0101 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	243.54	
For Horizontal Cores, Add	48.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.44	
02 41 19 13-0102 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	284.57	
For Horizontal Cores, Add	56.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.52	
02 41 19 13-0103 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	325.37	
For Horizontal Cores, Add	64.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.58	
02 41 19 13-0104 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	366.37	
For Horizontal Cores, Add	72.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	144.64	
02 41 19 13-0105 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	407.99	
For Horizontal Cores, Add	80.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.73	
02 41 19 13-0106 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0107 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	72.67	
For Horizontal Cores, Add	14.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.64	
02 41 19 13-0108 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	80.64	
For Horizontal Cores, Add	15.91	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.83	
02 41 19 13-0109 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	89.48	
For Horizontal Cores, Add	17.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.36	
02 41 19 13-0110 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	105.95	
For Horizontal Cores, Add	20.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.79	
02 41 19 13-0111 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	138.54	
For Horizontal Cores, Add	27.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.65	
02 41 19 13-0112 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	195.27	
For Horizontal Cores, Add	38.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.16	
02 41 19 13-0113 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	324.70	
For Horizontal Cores, Add	64.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.58	
02 41 19 13-0114 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	365.96	
For Horizontal Cores, Add	72.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	144.64	
02 41 19 13-0115 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	407.04	
For Horizontal Cores, Add	80.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.73	
02 41 19 13-0116 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	448.34	
For Horizontal Cores, Add	88.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	176.77	
02 41 19 13-0117 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	490.55	
For Horizontal Cores, Add	96.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	192.88	
02 41 19 13-0118 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0119 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	85.97	
For Horizontal Cores, Add	16.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.85	
02 41 19 13-0120 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	95.38	
For Horizontal Cores, Add	18.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.61	
02 41 19 13-0121 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	105.82	
For Horizontal Cores, Add	20.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.79	
02 41 19 13-0122 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	122.41	
For Horizontal Cores, Add	24.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.22	
02 41 19 13-0123 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	139.04	
For Horizontal Cores, Add	27.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.65	
02 41 19 13-0124 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	195.88	
For Horizontal Cores, Add	38.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.16	
02 41 19 13-0125 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	325.52	
For Horizontal Cores, Add	64.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.58	
02 41 19 13-0126 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	367.05	
For Horizontal Cores, Add	72.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	144.64	



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

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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.....	408.27	
For Horizontal Cores, Add	80.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.70	
02 41 19 13-0128 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	449.99	
For Horizontal Cores, Add	88.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	176.77	
02 41 19 13-0129 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	492.59	
For Horizontal Cores, Add	96.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	192.84	
02 41 19 13-0130 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0131 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	92.77	
For Horizontal Cores, Add	18.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.46	
02 41 19 13-0132 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	102.90	
For Horizontal Cores, Add	20.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.51	
02 41 19 13-0133 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	114.14	
For Horizontal Cores, Add	22.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.00	
02 41 19 13-0134 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	122.80	
For Horizontal Cores, Add	24.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.22	
02 41 19 13-0135 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	163.66	
For Horizontal Cores, Add	32.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.30	
02 41 19 13-0136 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	212.56	
For Horizontal Cores, Add	41.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.59	
02 41 19 13-0137 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	342.43	
For Horizontal Cores, Add	67.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.02	
02 41 19 13-0138 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	368.13	
For Horizontal Cores, Add	72.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	144.64	
02 41 19 13-0139 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	425.76	
For Horizontal Cores, Add	83.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	167.18	
02 41 19 13-0140 >12" Thick Concrete Core Drilling (02 41 19 13-0081)		
02 41 19 13-0141 IN Drill 1" Diameter Core In >12" Concrete.....	11.28	
For Horizontal Cores, Add	2.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.46	
02 41 19 13-0142 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	12.52	
For Horizontal Cores, Add	2.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.95	
02 41 19 13-0143 IN Drill 2" Diameter Core In >12" Concrete.....	13.89	
For Horizontal Cores, Add	2.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.50	
02 41 19 13-0144 IN Drill 3" Diameter Core In >12" Concrete.....	15.25	
For Horizontal Cores, Add	3.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.02	
02 41 19 13-0145 IN Drill 4" Diameter Core In >12" Concrete.....	20.33	
For Horizontal Cores, Add	4.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.04	
02 41 19 13-0146 IN Drill 6" Diameter Core In >12" Concrete.....	26.44	
For Horizontal Cores, Add	5.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.46	
02 41 19 13-0147 IN Drill 8" Diameter Core In >12" Concrete.....	42.64	
For Horizontal Cores, Add	8.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.89	
02 41 19 13-0148 IN Drill 10" Diameter Core In >12" Concrete.....	45.93	
For Horizontal Cores, Add	9.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.16	
02 41 19 13-0149 IN Drill 12" Diameter Core In >12" Concrete.....	52.92	
For Horizontal Cores, Add	10.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.91	
02 41 19 13-0150 Brick/Concrete Block Core Drilling (02 41 19 13-0080)		
02 41 19 13-0151 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0152 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block.....	36.97	
For Horizontal Cores, Add	7.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.58	
02 41 19 13-0153 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block.....	41.01	
For Horizontal Cores, Add	8.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.20	
02 41 19 13-0154 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	45.51	
For Horizontal Cores, Add	9.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.00	

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.....	64.98	
For Horizontal Cores, Add	12.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.72	
02 41 19 13-0156 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	87.09	
For Horizontal Cores, Add	17.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.46	
02 41 19 13-0157 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	97.62	
For Horizontal Cores, Add	19.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.58	
02 41 19 13-0158 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	155.91	
For Horizontal Cores, Add	30.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.72	
02 41 19 13-0159 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	195.07	
For Horizontal Cores, Add	38.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.15	
02 41 19 13-0160 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	227.66	
For Horizontal Cores, Add	45.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.02	
02 41 19 13-0161 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	260.28	
For Horizontal Cores, Add	51.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.86	
02 41 19 13-0162 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	293.30	
For Horizontal Cores, Add	57.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.72	
02 41 19 13-0163 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0164 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block.....	52.86	
For Horizontal Cores, Add	10.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.83	
02 41 19 13-0165 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block.....	58.64	
For Horizontal Cores, Add	11.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.14	
02 41 19 13-0166 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	65.07	
For Horizontal Cores, Add	12.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.71	
02 41 19 13-0167 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	78.23	
For Horizontal Cores, Add	15.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.86	
02 41 19 13-0168 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	97.88	
For Horizontal Cores, Add	19.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.58	
02 41 19 13-0169 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	130.37	
For Horizontal Cores, Add	25.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.44	
02 41 19 13-0170 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	195.31	
For Horizontal Cores, Add	38.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.15	
02 41 19 13-0171 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	228.31	
For Horizontal Cores, Add	45.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.02	
02 41 19 13-0172 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	261.08	
For Horizontal Cores, Add	51.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.86	
02 41 19 13-0173 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	294.05	
For Horizontal Cores, Add	57.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.72	
02 41 19 13-0174 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	327.63	
For Horizontal Cores, Add	64.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.58	
02 41 19 13-0175 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)		
02 41 19 13-0176 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block.....	58.36	
For Horizontal Cores, Add	11.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.92	
02 41 19 13-0177 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block.....	64.72	
For Horizontal Cores, Add	12.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.46	
02 41 19 13-0178 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	71.79	
For Horizontal Cores, Add	14.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.29	
02 41 19 13-0179 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	85.06	
For Horizontal Cores, Add	16.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.44	
02 41 19 13-0180 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	111.21	
For Horizontal Cores, Add	21.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.72	
02 41 19 13-0181 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	156.69	
For Horizontal Cores, Add	30.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.72	
02 41 19 13-0182 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	260.41	
For Horizontal Cores, Add	51.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.86	



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

02

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	293.64	
			For Horizontal Cores, Add	57.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.72	
02 41 19 13-0184	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	326.68	
			For Horizontal Cores, Add	64.29	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.58	
02 41 19 13-0185	EA		Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	359.96	
			For Horizontal Cores, Add	70.71	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.42	
02 41 19 13-0186	EA		Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	394.10	
			For Horizontal Cores, Add	77.15	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.30	
02 41 19 13-0187 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)					
02 41 19 13-0188	EA		Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	69.05	
			For Horizontal Cores, Add	13.54	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.08	
02 41 19 13-0189	EA		Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	76.57	
			For Horizontal Cores, Add	15.04	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.09	
02 41 19 13-0190	EA		Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	84.93	
			For Horizontal Cores, Add	16.72	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.43	
02 41 19 13-0191	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	98.31	
			For Horizontal Cores, Add	19.29	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.58	
02 41 19 13-0192	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	111.71	
			For Horizontal Cores, Add	21.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.72	
02 41 19 13-0193	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	157.30	
			For Horizontal Cores, Add	30.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.72	
02 41 19 13-0194	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	261.23	
			For Horizontal Cores, Add	51.43	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.86	
02 41 19 13-0195	EA		Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	294.73	
			For Horizontal Cores, Add	57.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.72	
02 41 19 13-0196	EA		Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	327.92	
			For Horizontal Cores, Add	64.28	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	128.56	
02 41 19 13-0197	EA		Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	361.61	
			For Horizontal Cores, Add	70.71	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.42	
02 41 19 13-0198	EA		Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	396.18	
			For Horizontal Cores, Add	77.14	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.27	
02 41 19 13-0199 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)					
02 41 19 13-0200	EA		Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	74.54	
			For Horizontal Cores, Add	14.58	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.16	
02 41 19 13-0201	EA		Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	82.64	
			For Horizontal Cores, Add	16.20	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.40	
02 41 19 13-0202	EA		Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	91.65	
			For Horizontal Cores, Add	18.00	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.01	
02 41 19 13-0203	EA		Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	98.70	
			For Horizontal Cores, Add	19.29	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.58	
02 41 19 13-0204	EA		Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	131.51	
			For Horizontal Cores, Add	25.72	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.44	
02 41 19 13-0205	EA		Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	170.77	
			For Horizontal Cores, Add	33.44	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.87	
02 41 19 13-0206	EA		Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	274.92	
			For Horizontal Cores, Add	54.01	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.01	
02 41 19 13-0207	EA		Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	295.81	
			For Horizontal Cores, Add	57.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	115.72	
02 41 19 13-0208	EA		Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	342.18	
			For Horizontal Cores, Add	66.87	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	133.74	
02 41 19 13-0209 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)					
02 41 19 13-0210	IN		Drill 1" Diameter Core In >12" Brick/Concrete Block	9.05	
			For Horizontal Cores, Add	1.78	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.56	

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 For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.04 1.98 3.96	
02 41 19 13-0212 IN Drill 2" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.15 2.20 4.40	
02 41 19 13-0213 IN Drill 3" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.24 2.41 4.82	
02 41 19 13-0214 IN Drill 4" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.31 3.21 6.43	
02 41 19 13-0215 IN Drill 6" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.21 4.18 8.36	
02 41 19 13-0216 IN Drill 8" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.19 6.76 13.51	
02 41 19 13-0217 IN Drill 10" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.85 7.26 14.52	
02 41 19 13-0218 IN Drill 12" Diameter Core In >12" Brick/Concrete Block..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.47 8.36 16.73	
02 41 19 13-0219 Asphalt Core Drilling (02 41 19 13-0080)		
02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0221 EA Drill 1" Diameter Core In Up To 2" Asphalt.....	22.11	
02 41 19 13-0222 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	27.64	
02 41 19 13-0223 EA Drill 2" Diameter Core In Up To 2" Asphalt.....	34.55	
02 41 19 13-0224 EA Drill 3" Diameter Core In Up To 2" Asphalt.....	42.86	
02 41 19 13-0225 EA Drill 4" Diameter Core In Up To 2" Asphalt.....	53.93	
02 41 19 13-0226 EA Drill 6" Diameter Core In Up To 2" Asphalt.....	67.76	
02 41 19 13-0227 EA Drill 8" Diameter Core In Up To 2" Asphalt.....	84.40	
02 41 19 13-0228 EA Drill 10" Diameter Core In Up To 2" Asphalt.....	105.11	
02 41 19 13-0229 EA Drill 12" Diameter Core In Up To 2" Asphalt.....	131.35	
02 41 19 13-0230 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0231 EA Drill 1" Diameter Core In >2" To 3" Asphalt.....	27.63	
02 41 19 13-0232 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	35.92	
02 41 19 13-0233 EA Drill 2" Diameter Core In >2" To 3" Asphalt.....	44.20	
02 41 19 13-0234 EA Drill 3" Diameter Core In >2" To 3" Asphalt.....	55.28	
02 41 19 13-0235 EA Drill 4" Diameter Core In >2" To 3" Asphalt.....	69.10	
02 41 19 13-0236 EA Drill 6" Diameter Core In >2" To 3" Asphalt.....	87.07	
02 41 19 13-0237 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	107.86	
02 41 19 13-0238 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	135.45	
02 41 19 13-0239 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	168.60	
02 41 19 13-0240 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0241 EA Drill 1" Diameter Core In >3" To 4" Asphalt.....	35.93	
02 41 19 13-0242 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	45.61	
02 41 19 13-0243 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	56.66	
02 41 19 13-0244 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	70.50	
02 41 19 13-0245 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	88.50	
02 41 19 13-0246 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	110.62	
02 41 19 13-0247 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	138.36	
02 41 19 13-0248 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	172.88	
02 41 19 13-0249 EA Drill 12" Diameter Core In >3" To 4" Asphalt.....	215.70	
02 41 19 13-0250 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0219)		
02 41 19 13-0251 EA Drill 1" Diameter Core In >4" To 6" Asphalt.....	47.02	
02 41 19 13-0252 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	58.10	
02 41 19 13-0253 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	71.92	
02 41 19 13-0254 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	91.33	
02 41 19 13-0255 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	113.50	
02 41 19 13-0256 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	141.20	
02 41 19 13-0257 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	177.29	
02 41 19 13-0258 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	221.49	
02 41 19 13-0259 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	276.80	
02 41 19 13-0260 Manhole Core Drilling (02 41 19 13-0080)		
02 41 19 13-0261 EA Drill 4" Diameter Core In 6" Brick Manhole.....	242.07	
02 41 19 13-0262 EA Drill 5" Diameter Core In 6" Brick Manhole.....	276.63	
02 41 19 13-0263 EA Drill 6" Diameter Core In 6" Brick Manhole.....	322.64	
02 41 19 13-0264 EA Drill 8" Diameter Core In 6" Brick Manhole.....	483.83	
02 41 19 13-0265 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	324.34	



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

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
02 41 19 13-0266	EA	Drill 3" Diameter Core In 8" Concrete Manhole.....	345.37	
02 41 19 13-0267	EA	Drill 4" Diameter Core In 8" Concrete Manhole.....	380.20	
02 41 19 13-0268	EA	Drill 5" Diameter Core In 8" Concrete Manhole.....	407.94	
02 41 19 13-0269	EA	Drill 6" Diameter Core In 8" Concrete Manhole.....	483.83	
02 41 19 13-0270	EA	Drill 8" Diameter Core In 8" Concrete Manhole.....	691.04	
02 41 19 13-0271	EA	Drill 2" Diameter Core In Fiberglass Manhole.....	32.18	
02 41 19 13-0272	EA	Drill 3" Diameter Core In Fiberglass Manhole.....	37.14	
02 41 19 13-0273	EA	Drill 4" Diameter Core In Fiberglass Manhole.....	40.23	
02 41 19 13-0274	EA	Drill 5" Diameter Core In Fiberglass Manhole.....	43.90	
02 41 19 13-0275	EA	Drill 6" Diameter Core In Fiberglass Manhole.....	48.28	
02 41 19 13-0276	EA	Drill 8" Diameter Core In Fiberglass Manhole.....	53.66	
02 41 19 13-0277	Drilling In Concrete Per Inch Of Depth (02 41 19 13-0080)			
Note: Includes layout.				
02 41 19 13-0278	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.23	
02 41 19 13-0279	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	2.36	
02 41 19 13-0280	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.49	
02 41 19 13-0281	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.68	
02 41 19 13-0282	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.84	
02 41 19 13-0283	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.13	
02 41 19 13-0284	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.39	
02 41 19 13-0285	IN	1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.55	
02 41 19 13-0286	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.19	
02 41 19 13-0287	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.93	
02 41 19 13-0288	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.19	
02 41 19 13-0289	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	4.45	
02 41 19 13-0290	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.94	
02 41 19 13-0291	IN	2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.75	
02 41 19 13-0292	Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0080)			
Note: Includes layout.				
02 41 19 13-0293	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.86	
02 41 19 13-0294	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.97	
02 41 19 13-0295	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.08	
02 41 19 13-0296	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.23	
02 41 19 13-0297	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.37	
02 41 19 13-0298	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.61	
02 41 19 13-0299	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.82	
02 41 19 13-0300	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.97	
02 41 19 13-0301	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.13	
02 41 19 13-0302	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.27	
02 41 19 13-0303	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.50	
02 41 19 13-0304	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.72	
02 41 19 13-0305	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.14	
02 41 19 13-0306	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.79	
02 41 19 13-0307	Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0080)			
Note: Includes layout.				
02 41 19 13-0308	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.92	
02 41 19 13-0309	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.99	
02 41 19 13-0310	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.04	
02 41 19 13-0311	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.11	
02 41 19 13-0312	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.18	
02 41 19 13-0313	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.30	
02 41 19 13-0314	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.41	
02 41 19 13-0315	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.48	
02 41 19 13-0316	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.55	
02 41 19 13-0317	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.63	
02 41 19 13-0318	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.73	
02 41 19 13-0319	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.85	
02 41 19 13-0320	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.06	
02 41 19 13-0321	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.39	
02 41 19 13-0322	Limestone Core Drilling (02 41 19 13-0080)			
02 41 19 13-0323	10" To 14" Thick Limestone Core Drilling (02 41 19 13-0322)			
02 41 19 13-0324	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	69.45	
02 41 19 13-0325	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	83.42	
02 41 19 13-0326	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	90.48	
02 41 19 13-0327	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	104.66	
02 41 19 13-0328	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	118.85	
02 41 19 13-0329	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	167.46	
02 41 19 13-0330	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	278.38	
02 41 19 13-0331	15" To 18" Thick Limestone Core Drilling (02 41 19 13-0322)			
02 41 19 13-0332	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	76.47	

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 13-0333	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	90.46		
02 41 19 13-0334	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	97.59		
02 41 19 13-0335	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	104.97		
02 41 19 13-0336	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	139.90		
02 41 19 13-0337	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	181.68		
02 41 19 13-0338	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	292.91		
02 41 19 13-0339 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0322)					
02 41 19 13-0340	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	83.47		
02 41 19 13-0341	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	97.51		
02 41 19 13-0342	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	104.67		
02 41 19 13-0343	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	118.98		
02 41 19 13-0344	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	167.76		
02 41 19 13-0345	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	209.64		
02 41 19 13-0346	EA	Drill 8" Diameter Core In 19" To 24" Limestone.....	314.31		
02 41 19 13-0347 Minimum Charge For Core Drilling (02 41 19 13-0080)					
02 41 19 13-0348	EA	Core Drill Minimum Charge.....	938.92		
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".					
02 41 19 13-0349 Cutouts (02 41 19 13)					
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.					
02 41 19 13-0350 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0349)					
02 41 19 13-0351	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.43		
02 41 19 13-0352	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.61		
02 41 19 13-0353	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.79		
02 41 19 13-0354	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.96		
02 41 19 13-0355	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	63.55		
02 41 19 13-0356 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0349)					
Note: Includes cutting and removing steel decking.					
02 41 19 13-0357	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	63.90		
02 41 19 13-0358	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.77		
02 41 19 13-0359	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.65		
02 41 19 13-0360	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.52		
02 41 19 13-0361	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	77.45		
02 41 19 13-0362 Reinforced Concrete Wall Cutouts (02 41 19 13-0349)					
02 41 19 13-0363	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	65.54		
02 41 19 13-0364	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	69.51		
02 41 19 13-0365	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.48		
02 41 19 13-0366	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.45		
02 41 19 13-0367	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	79.44		
02 41 19 13-0368 Brick Wall Cutouts (02 41 19 13-0349)					
Note: Excludes toothing.					
02 41 19 13-0369	SF	4" Thick Brick Wall Cutouts, <24 SF	19.86		
02 41 19 13-0370	SF	6" Thick Brick Wall Cutouts, <24 SF	32.77		
02 41 19 13-0371	SF	8" Thick Brick Wall Cutouts, <24 SF	45.63		
02 41 19 13-0372	SF	10" Thick Brick Wall Cutouts, <24 SF	55.61		
02 41 19 13-0373	SF	12" Thick Brick Wall Cutouts, <24 SF	66.53		
02 41 19 13-0374	SF	16" Thick Brick Wall Cutouts, <24 SF	78.45		
02 41 19 13-0375 Concrete Block Wall Cutouts (02 41 19 13-0349)					
Note: Excludes toothing.					
02 41 19 13-0376	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	32.85		
02 41 19 13-0377	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	34.79		
02 41 19 13-0378	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	36.74		
02 41 19 13-0379	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	38.73		
02 41 19 13-0380	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	39.72		
02 41 19 13-0381	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	41.71		
02 41 19 13-0382 Limestone Cutouts (02 41 19 13-0349)					
02 41 19 13-0383	SF	2" Thick Limestone Cutouts, <24 SF	55.61		
02 41 19 13-0384	SF	4" Thick Limestone Cutouts, <24 SF	67.53		
02 41 19 13-0385	SF	6" Thick Limestone Cutouts, <24 SF	71.50		
02 41 19 13-0386	SF	8" Thick Limestone Cutouts, <24 SF	75.46		
02 41 19 13-0387	SF	10" Thick Limestone Cutouts, <24 SF	79.44		
02 41 19 13-0388	SF	12" Thick Limestone Cutouts, <24 SF	83.41		



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

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0389	Toothing Masonry Cutouts (02 41 19 13-0349) 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.....	19.86
02 41 19 13-0391	VLF Brick, Hard Mortar, Toothing Masonry Cutouts.....	26.81
02 41 19 13-0392	VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	11.92
02 41 19 13-0393	VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	15.89
02 41 19 13-0394	Minimum Charge For Cutouts (02 41 19 13-0349) 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 Cutouts Minimum Charge	397.20

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

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.

02 43 13 13 Building Relocation (02 43 13)

02 43 13 13-0001	Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13 13) 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.....	38.13
02 43 13 13-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	36.04
02 43 13 13-0004	SF >920 SF, Move Relocatable Metal Frame Building.....	33.73
02 43 13 13-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building	30.59
02 43 13 13-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	28.60
02 43 13 13-0007	SF >920 SF, Move Relocatable Wood Frame Building	25.30
02 43 13 13-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	37.06
02 43 13 13-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.73
02 43 13 13-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building	28.60

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 (02 61 13) 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 (02 61 13 00-0001)	
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.	9.72
02 61 13 00-0004	CY Load Excavated Non-Petroleum Contaminated Soil.....	8.44
02 61 13 00-0005	CY Disposal Fees Of Non-Petroleum Contaminated Soil	46.68
02 61 13 00-0006	Excavate Petroleum Contaminated Soil (02 61 13)	
02 61 13 00-0007	CY Excavate Petroleum Contaminated Soil	14.59
	Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	
02 61 13 00-0008	CY Load Excavated Petroleum Contaminated Soil.....	8.44
02 61 13 00-0009	CY Disposal Fees Of Petroleum Contaminated Soil.....	74.79
02 61 13 00-0010	Accessories For Contaminated Soil Stockpile (02 61 13)	
02 61 13 00-0011	SF 30 Mil Liner For Contaminated Soil Storage	1.57
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	
02 61 13 00-0012	SF 10 Mil Liner For Contaminated Soil Storage	0.93
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	

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 DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 61 26 00-0001	Removal and Disposal of Asbestos Contaminated Soils (02 61 26)	
	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	1,244.86
	For Work In Restricted Working Space, Add	373.46
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	82.52
	For Work In Restricted Working Space, Add	24.76
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	55.01
	For Work In Restricted Working Space, Add	16.50
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.32
	For Work In Restricted Working Space, Add	12.40
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	33.00
	For Work In Restricted Working Space, Add	9.90
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	28.05
	For Work In Restricted Working Space, Add	8.42
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.25
	For Work In Restricted Working Space, Add	7.58

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	Monitoring, Sampling, Testing And Analysis (02 65)	
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)	
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank	26.95
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.95
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample	26.95
02 65 00 00-0006	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)	
	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	208.77
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA Flashpoint, Lab Test	81.19
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA TOX 9020, Lab Test	195.30
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test	208.77
	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.	
02 65 00 00-0011	EA TRPH 418.1, Lab Test	162.38
	Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012	EA VOC, Lab Test	440.74
	Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test	811.90
	Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test	97.65
	Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test	173.98
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test	231.97
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test	259.81
	Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020	EA Metals (Lead) 7421, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021	EA Metals (Mercury) 7470, Lab Test	64.95
	Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	
02 65 00 00-0022	EA PNA/PAH 8100, Lab Test	371.15
	Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	
02 65 00 00-0023	EA Fuel Id ASTM D3328-78, Lab Test	134.27
	Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	
02 65 00 00-0024	EA pH, Lab Test	27.84
02 65 00 00-0025	EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96
02 65 00 00-0026	EA Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77



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

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer 1,203.58 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.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems 208.57 Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes 48.27 Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... 339.54 Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System..... 165.48		
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank 238.16		
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank 343.50		
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank..... 216.57		
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank 126.71		
02 65 00 00-0038 HR Certified Geologist/Environmental..... 131.08		
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank..... 140.38 Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040) Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank 0.65 Note: Per gallon of material transferred.		
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank 1.87		
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank 0.83		
02 65 00 00-0046 Sludge (02 65 00 00-0040) Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank..... 6.86		
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank 1.54		
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice..... 4.61 Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049) Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior 353.86		
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 464.04		
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 601.79		
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 813.68		
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 1,576.07		
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 1,895.18		
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 2,172.75		
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 2,625.78		
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 3,383.06		
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 4,067.46		
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 5,153.60		
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 6,350.13		
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior..... 7,775.04		
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior..... 259.49		
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior 345.54		
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior 452.78		
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior 627.00		
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior 1,388.53		
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior 1,758.17		
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior 2,057.38		
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior 2,586.42		

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

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	3,361.70	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,219.60	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,494.28	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,593.13	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,241.41	
02 65 00 00-0080 Tank And Piping Removal (02 65)		
Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)		
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	20.75	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping	27.66	
02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)		
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	723.50	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	878.54	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,033.58	
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	1,291.97	
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	1,808.74	
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	2,273.85	
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	2,583.92	
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	3,100.72	
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	4,134.28	
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	4,956.09	
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	5,807.52	
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	6,794.30	
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	8,492.87	
02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)		
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	876.58	
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	1,634.71	
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	1,966.39	
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	2,191.46	
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	2,629.75	
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	3,269.41	
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	3,932.78	
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	4,915.97	
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	6,144.98	
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	7,681.21	
02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)		
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	312.21	
For Each Additional Mile >15 Miles, Add	4.79	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	422.90	
For Each Additional Mile >15 Miles, Add	6.05	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	664.47	
For Each Additional Mile >15 Miles, Add	9.08	
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	1,026.21	
For Each Additional Mile >15 Miles, Add	10.60	
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	1,810.96	
For Each Additional Mile >15 Miles, Add	18.67	
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	1,871.51	
For Each Additional Mile >15 Miles, Add	20.18	
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	1,972.42	
For Each Additional Mile >15 Miles, Add	22.71	
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	2,857.46	
For Each Additional Mile >15 Miles, Add	30.27	
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	3,924.76	
For Each Additional Mile >15 Miles, Add	45.41	
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	4,588.40	
For Each Additional Mile >15 Miles, Add	50.46	
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	5,674.75	
For Each Additional Mile >15 Miles, Add	60.55	
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	7,926.09	
For Each Additional Mile >15 Miles, Add	72.66	
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	9,566.79	
For Each Additional Mile >15 Miles, Add	83.56	



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

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080) Note: Based on tank gallon size		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.62	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.22	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection	1.34	
02 65 00 00-0127 Tank Closure Report (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.....	3,520.58	
02 65 00 00-0129 Temporary Tanks (02 65)		
02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)		
02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,413.12	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,255.58	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,298.36	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	10,636.30	
02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental	2,091.37	
02 80 Facility Remediation (02)		
02 81 Transportation and Disposal of Hazardous Materials (02 80)		
02 81 00 00-0001 Hazardous Material Disposal (02 81)		
02 81 00 00-0002 EA RCRA (Direct Landfill) Drums.....	511.76	
Note: Excludes stabilization. See CSI section 02 81 00 00-0003 for Stabilization (>5 ppm).		
02 81 00 00-0003 EA Stabilization (>5 ppm)	681.93	
02 81 00 00-0004 TON Bulk Hazardous Material Landfill Cost	431.72	
02 81 00 00-0005 Equipment Oil Drain And Disposal (02 81)		
02 81 00 00-0006 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	677.78	
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.....	106.51	
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.....	484.12	
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	871.42	
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	116.24	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
02 82 Asbestos 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 82 13 Asbestos Abatement (02 82)		
02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (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	100.03	
02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	50.01	
02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	232.66
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	323.99

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)**02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)**

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.71
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.34
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.54
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.75
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.56
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	9.70

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

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, 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.

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

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

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

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.....	1,262.15
		For Work In Restricted Working Space, Add	373.46
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	43.29
		For Work In Restricted Working Space, Add	12.73
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	32.69
		For Work In Restricted Working Space, Add	9.55
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	24.73
		For Work In Restricted Working Space, Add	7.16
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.76
		For Work In Restricted Working Space, Add	5.37
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.43
		For Work In Restricted Working Space, Add	4.67

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

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.....	1,279.44
		For Work In Restricted Working Space, Add	373.46
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	50.54
		For Work In Restricted Working Space, Add	14.64
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.33
		For Work In Restricted Working Space, Add	10.98
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.18
		For Work In Restricted Working Space, Add	8.24
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.31
		For Work In Restricted Working Space, Add	6.17
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.63
		For Work In Restricted Working Space, Add	5.37

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

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.....	1,296.73
		For Work In Restricted Working Space, Add	373.46
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	67.38
		For Work In Restricted Working Space, Add	19.52
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	51.11
		For Work In Restricted Working Space, Add	14.64
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.91
		For Work In Restricted Working Space, Add	10.98
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.75
		For Work In Restricted Working Space, Add	8.23
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	26.18
		For Work In Restricted Working Space, Add	7.16

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.



Existing Conditions			02
Facility Remediation			02 80
Asbestos Remediation			02 82

02

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 For Work In Restricted Working Space, Add	1,314.02 373.46	
02 82 33 00-0026 LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	92.66 26.85	
02 82 33 00-0027 LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	70.26 20.13	
02 82 33 00-0028 LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	53.50 15.10	
02 82 33 00-0029 LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	40.90 11.32	
02 82 33 00-0030 LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	35.99 9.85	
02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (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 For Work In Restricted Working Space, Add	805.50 240.09	
02 82 33 00-0033 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	135.11 40.01	
02 82 33 00-0034 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	53.51 15.53	
02 82 33 00-0035 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	40.56 11.65	
02 82 33 00-0036 LF >500 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	30.85 8.74	
02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal (02 82 33 00-0037)		
02 82 33 00-0039 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal 02 82 33 00-0040 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal 02 82 33 00-0041 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal 02 82 33 00-0042 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal 02 82 33 00-0043 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,253.51 51.59 42.57 34.20 27.94	
02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal (02 82 33 00- 0037)		
02 82 33 00-0045 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal 02 82 33 00-0046 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal 02 82 33 00-0047 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal 02 82 33 00-0048 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal 02 82 33 00-0049 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,249.18 45.36 36.34 27.98 21.72	
02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal (02 82 33 00- 0037)		
02 82 33 00-0051 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal 02 82 33 00-0052 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal 02 82 33 00-0053 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal 02 82 33 00-0054 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal 02 82 33 00-0055 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,247.74 40.24 31.22 22.86 16.58	
02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (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 02 82 33 00-0058 SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal 02 82 33 00-0059 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal 02 82 33 00-0060 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal 02 82 33 00-0061 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,255.67 42.86 33.85 25.50 19.23	
02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal (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.	207.91	
02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal (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 02 82 33 00-0067 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal 02 82 33 00-0068 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal 02 82 33 00-0069 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	1,255.67 51.35 38.60 29.06	

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	21.90	
02 82 33 00-0071			Acoustical Plaster, Asbestos Abatement And Disposal (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	1,252.07	
02 82 33 00-0073	SF		>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.56	
02 82 33 00-0074	SF		>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.37	
02 82 33 00-0075	SF		>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.22	
02 82 33 00-0076	SF		>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.11	
02 82 33 00-0077			Plywood, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0078	SET		Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,256.39	
02 82 33 00-0079	SF		>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	17.93	
02 82 33 00-0080	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.77	
02 82 33 00-0081	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.01	
02 82 33 00-0082	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.17	
02 82 33 00-0083			Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0084			Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0083)		
02 82 33 00-0085	SET		Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,259.26	
02 82 33 00-0086	SF		>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.51	
02 82 33 00-0087	SF		>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.91	
02 82 33 00-0088	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.16	
02 82 33 00-0089	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.76	
02 82 33 00-0090			Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (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	1,054.67	
02 82 33 00-0092	LF		>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	44.16	
02 82 33 00-0093	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.56	
02 82 33 00-0094	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.60	
02 82 33 00-0095	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.63	
02 82 33 00-0096	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.16	
02 82 33 00-0097	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.84	
02 82 33 00-0098			Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0083)		
02 82 33 00-0099	SET		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,269.28	
			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	6.78	
			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	5.45	
			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	4.38	
			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	3.32	
			Note: Single or first of multiple layers.		
02 82 33 00-0104	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.52	
			Note: Single or first of multiple layers.		
02 82 33 00-0105			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0106			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0105)		
02 82 33 00-0107	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	847.20	
			For Work In Restricted Working Space, Add	248.97	
02 82 33 00-0108	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	84.25	
			For Work In Restricted Working Space, Add	24.76	
02 82 33 00-0109	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	56.74	
			For Work In Restricted Working Space, Add	16.50	
02 82 33 00-0110	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	43.05	
			For Work In Restricted Working Space, Add	12.40	
02 82 33 00-0111	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.73	
			For Work In Restricted Working Space, Add	9.90	
02 82 33 00-0112	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	29.78	
			For Work In Restricted Working Space, Add	8.42	
02 82 33 00-0113	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	26.98	
			For Work In Restricted Working Space, Add	7.58	
02 82 33 00-0114			Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0115			30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0114)		
02 82 33 00-0116	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	422.73	
02 82 33 00-0117	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	157.16	



Existing Conditions		02
Facility Remediation		02 80
Asbestos Remediation		02 82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0118 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal 142.22

02 82 33 00-0119 Grout, Asbestos Abatement And Disposal (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 415.19
02 82 33 00-0121 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal 16.36
02 82 33 00-0122 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal 11.26
02 82 33 00-0123 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal 9.65
02 82 33 00-0124 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal 8.30
02 82 33 00-0125 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal 7.15
02 82 33 00-0126 LF >2,500 LF, Grout, Asbestos Abatement And Disposal 6.13

02 82 33 00-0127 Gaskets, Asbestos Abatement And Disposal (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 415.31
02 82 33 00-0129 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal 22.05
02 82 33 00-0130 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal 16.55
02 82 33 00-0131 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal 14.10
02 82 33 00-0132 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal 12.69
02 82 33 00-0133 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal 11.41
02 82 33 00-0134 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal 10.86

02 82 33 00-0135 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0136 Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0135)

02 82 33 00-0137 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 415.19
02 82 33 00-0138 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 12.26
02 82 33 00-0139 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 8.65
02 82 33 00-0140 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 6.44
02 82 33 00-0141 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 4.84
02 82 33 00-0142 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 3.83
02 82 33 00-0143 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal 3.33

02 82 33 00-0144 Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0145 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal 415.19
02 82 33 00-0146 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal 16.36
02 82 33 00-0147 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal 11.26
02 82 33 00-0148 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal 9.65
02 82 33 00-0149 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal 8.30
02 82 33 00-0150 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal 7.15

02 82 33 00-0151 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0152 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 863.11
02 82 33 00-0153 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 82.57
02 82 33 00-0154 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 57.81
02 82 33 00-0155 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 45.49
02 82 33 00-0156 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 38.01
02 82 33 00-0157 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 33.55
02 82 33 00-0158 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal 31.02

02 82 33 00-0159 Bearing Pads, Asbestos Abatement And Disposal (02 82 33 00-0114)

02 82 33 00-0160 SET Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal 415.67
02 82 33 00-0161 EA >10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal 27.56
02 82 33 00-0162 EA >20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal 17.71
02 82 33 00-0163 EA >35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal 15.89
02 82 33 00-0164 EA >50 EA, Bearing Pads, Asbestos Abatement And Disposal 14.28

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, clean-up, 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 Lead-Based Paint Remediation Minimum Show Up Charge.....	1,272.73	
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.		
02 83 19 13-0003 Lead Sampling And Testing <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	93.81	
02 83 19 13-0005 EA X-Ray Fluorescence (XRF) Lead Testing	74.96	
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	71.76	
02 83 19 13-0007 EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72	
02 83 19 13-0008 EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21	
02 83 19 13-0009 EA 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27	
02 83 19 13-0010 EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49	
02 83 19 13-0011 EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36	
02 83 19 13-0012 EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76	
02 83 19 13-0013 EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72	
02 83 19 13-0014 EA 5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96	
02 83 19 13-0015 EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31	
02 83 19 13-0016 EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92	
02 83 19 13-0017 EA 5 Day Turnaround Lead Air Samples And Lab Fee	11.96	
02 83 19 13-0018 EA 24 Hour Turnaround Lead Air Samples And Lab Fee	16.31	
02 83 19 13-0019 EA 8 Hour Turnaround Lead Air Samples And Lab Fee	23.92	
02 83 19 13-0020 EA 5 Day Turnaround Lead Water Test and Lab Fee	43.49	
02 83 19 13-0021 EA 24 Hour Turnaround Lead Water Test and Lab Fee	65.23	
02 83 19 13-0022 EA 8 Hour Turnaround Lead Water Test and Lab Fee	86.98	
02 83 19 13-0023 EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97	
02 83 19 13-0024 EA 5 Day Turnaround Lead Soil Test and Lab Fee	89.95	
02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material <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 limited to, chromium, cadmium and mercury.		
02 83 19 13-0026 SF Balustrades, Chemical Stripping Of Lead Contaminated Material	36.00	
For 0.025" (25 mil) Application, Add	2.05	
For 0.03" (30 mil) Application, Add	3.23	
02 83 19 13-0027 SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	53.37	
For 0.025" (25 mil) Application, Add	2.92	
For 0.03" (30 mil) Application, Add	4.53	
02 83 19 13-0028 SF Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.56	
For 0.025" (25 mil) Application, Add	0.63	
For 0.03" (30 mil) Application, Add	1.07	
02 83 19 13-0029 SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	32.15	
For 0.025" (25 mil) Application, Add	1.81	
For 0.03" (30 mil) Application, Add	2.84	
02 83 19 13-0030 SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
For 0.025" (25 mil) Application, Add	2.12	
For 0.03" (30 mil) Application, Add	3.30	
02 83 19 13-0031 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	24.84	
For 0.025" (25 mil) Application, Add	1.54	
For 0.03" (30 mil) Application, Add	2.50	
For 0.125" (125 mil) Application, Add	15.21	
02 83 19 13-0032 LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.13	
For 0.025" (25 mil) Application, Add	0.71	
For 0.03" (30 mil) Application, Add	1.15	
For 0.125" (125 mil) Application, Add	7.28	
02 83 19 13-0033 LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	19.92	
For 0.025" (25 mil) Application, Add	1.25	
For 0.03" (30 mil) Application, Add	2.03	
For 0.125" (125 mil) Application, Add	12.48	
02 83 19 13-0034 LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	27.29	
For 0.025" (25 mil) Application, Add	1.66	
For 0.03" (30 mil) Application, Add	2.68	
For 0.125" (125 mil) Application, Add	15.82	
02 83 19 13-0035 LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	48.92	
For 0.025" (25 mil) Application, Add	2.90	
For 0.03" (30 mil) Application, Add	4.63	
For 0.125" (125 mil) Application, Add	25.73	
02 83 19 13-0036 SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.61	
For 0.025" (25 mil) Application, Add	0.84	
For 0.03" (30 mil) Application, Add	1.33	
For 0.125" (125 mil) Application, Add	6.89	
02 83 19 13-0037 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	290.44	
For 0.025" (25 mil) Application, Add	15.97	
For 0.03" (30 mil) Application, Add	24.87	



Existing Conditions			02
Facility Remediation			02 80
Lead Remediation			02 83

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
02 83 19 13-0038	SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.21		
	For 0.025" (25 mil) Application, Add	0.76		
	For 0.03" (30 mil) Application, Add	1.27		
	For 0.125" (125 mil) Application, Add	8.80		
02 83 19 13-0039	SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material.....	12.73		
	For 0.025" (25 mil) Application, Add	0.84		
	For 0.03" (30 mil) Application, Add	1.38		
	For 0.125" (125 mil) Application, Add	9.18		
02 83 19 13-0040	SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	12.69		
	For 0.025" (25 mil) Application, Add	0.83		
	For 0.03" (30 mil) Application, Add	1.38		
	For 0.125" (125 mil) Application, Add	9.17		
02 83 19 13-0041	SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material.....	58.29		
	For 0.025" (25 mil) Application, Add	3.31		
	For 0.03" (30 mil) Application, Add	5.22		
	For 0.125" (125 mil) Application, Add	26.57		
02 83 19 13-0042	LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	10.13		
	For 0.025" (25 mil) Application, Add	0.66		
	For 0.03" (30 mil) Application, Add	1.08		
	For 0.125" (125 mil) Application, Add	7.03		
02 83 19 13-0043	SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	29.65		
	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	1.78		
	For 0.03" (30 mil) Application, Add	2.86		
	For 0.125" (125 mil) Application, Add	16.41		
02 83 19 13-0044	SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	32.40		
	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	1.87		
	For 0.03" (30 mil) Application, Add	2.96		
	For 0.125" (125 mil) Application, Add	15.60		
02 83 19 13-0045	Demolish Lead Contaminated Material (02 83 19 13)			
	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.....	4.46		
02 83 19 13-0047	SF Demolish Concrete Block, Lead Contaminated Material.....	5.74		
02 83 19 13-0048	SF Demolish Up To 6" Concrete, Lead Contaminated Material.....	6.51		
02 83 19 13-0049	IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	5.07		
02 83 19 13-0050	IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	6.76		
02 83 19 13-0051	LF Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	7.40		
02 83 19 13-0052	SF Demolish Concrete, Lead Contaminated Material.....	14.73		
02 83 19 13-0053	LF Demolish Cabinets, Lead Contaminated Material.....	34.32		
02 83 19 13-0054	SF Demolish Grilles, Lead Contaminated Material.....	4.13		
02 83 19 13-0055	EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	17.85		
02 83 19 13-0056	LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	7.32		
02 83 19 13-0057	LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	10.67		
02 83 19 13-0058	LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	16.13		
02 83 19 13-0059	LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	29.75		
02 83 19 13-0060	EA Demolish Radiators, Lead Contaminated Material.....	128.50		
02 83 19 13-0061	SF Demolish Siding, Lead Contaminated Material.....	1.99		
02 83 19 13-0062	SF Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.63		
02 83 19 13-0063	SF Demolish Steel Beams, Lead Contaminated Material.....	5.46		
02 83 19 13-0064	SF Demolish Trusses, Lead Contaminated Material.....	7.15		
02 83 19 13-0065	SF Demolish Metal Stair, Lead Contaminated Material.....	8.51		
02 83 19 13-0066	LF Demolish Single Metal Hand Rail, Lead Contaminated Material.....	6.26		
02 83 19 13-0067	LF Demolish Metal Railing And Posts, Lead Contaminated Material.....	10.21		
02 83 19 13-0068	SF Demolish Metal Picket Fence, Lead Contaminated Material.....	2.81		
02 83 19 13-0069	SF Demolish Plywood, Lead Contaminated Material.....	7.69		
02 83 19 13-0070	SF Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.75		
02 83 19 13-0071	EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	23.45		
02 83 19 13-0072	LF Demolish Metal Guard Rails, Lead Contaminated Material.....	14.07		
02 83 19 13-0073	Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)			
	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.....	3.58		
02 83 19 13-0075	Lead Abatement Encapsulation (02 83 19 13)			
	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.....	6.51		
02 83 19 13-0077	SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	4.19		
02 83 19 13-0078	SF Columns, Lead Abatement Encapsulation.....	5.06		
02 83 19 13-0079	SF Picket Fence (Brush), Lead Abatement Encapsulation.....	3.03		
02 83 19 13-0080	SF Wood Floors (Roller), Lead Abatement Encapsulation.....	2.54		
02 83 19 13-0081	SF Grilles, Vents, Lead Abatement Encapsulation.....	7.02		
02 83 19 13-0082	EA Hangers, Lead Abatement Encapsulation.....	55.23		
02 83 19 13-0083	LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.95		
02 83 19 13-0084	LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.71		
02 83 19 13-0085	LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	8.86		

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0086	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.08
02 83 19 13-0087	SF	Siding, Lead Abatement Encapsulation	3.61
02 83 19 13-0088	SF	Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation	4.19
02 83 19 13-0089	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.47
02 83 19 13-0090	SF	Trusses, Lead Abatement Encapsulation	5.47

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

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.30
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.29
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.48

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

02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	515.13
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	293.23
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	283.01
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	177.06
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	139.48
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	93.97
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	84.97
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	74.87

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

02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	581.87
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	107.53
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	526.52

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

02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	285.72
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	392.08
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	531.82

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

02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	49.55
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	52.28
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	51.11
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	25.31
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	15.31
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.10
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.53

02 86 00 00-0028 Steel Drums (02 86 00 00-0001)**02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0028)**

02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	135.52
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	95.94
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+)	93.85
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	128.09
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	103.86
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	81.85
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	94.88



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

02

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	80.65	
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	58.51	
02 86 00 00-0058	EA		55 Gallon Reconditioned Steel 17h Drum (1-9)	137.65	
02 86 00 00-0059	EA		20 Gallon, 17C, Open, Steel Drum	82.23	
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)	122.00	
02 86 00 00-0063	EA		55 Gallon Reconditioned Steel 17h Drum (25-49)	106.36	
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	55.35	
02 86 00 00-0067			Plastic Drums (02 86 00 00-0001)		
02 86 00 00-0068			Polyethylene Closed Head Drums (02 86 00 00-0067)		
			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.....	85.08	
02 86 00 00-0070	EA		35 Gallon Polyethylene Closed Head Drums.....	65.31	
02 86 00 00-0071	EA		30 Gallon Polyethylene Closed Head Drums.....	59.30	
02 86 00 00-0072	EA		20 Gallon Polyethylene Closed Head Drums.....	41.43	
02 86 00 00-0073	EA		15 Gallon Polyethylene Closed Head Drums.....	40.64	
02 86 00 00-0074			Polyethylene Open Head Drums (02 86 00 00-0067)		
			Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA		55 Gallon Polyethylene Open Head Drums.....	107.53	
02 86 00 00-0076	EA		35 Gallon Polyethylene Open Head Drums.....	79.07	
02 86 00 00-0077	EA		30 Gallon Polyethylene Open Head Drums.....	75.11	
02 86 00 00-0078	EA		20 Gallon Polyethylene Open Head Drums.....	55.35	
02 86 00 00-0079	EA		15 Gallon Polyethylene Open Head Drums.....	47.44	
02 86 00 00-0080			Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081			Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
			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).....	65.15	
02 86 00 00-0083	EA		30 Gallon Fiber Drum DOT-21C (10-24).....	61.04	
02 86 00 00-0084	EA		30 Gallon Fiber Drum DOT-21C (25-49).....	55.66	
02 86 00 00-0085	EA		30 Gallon Fiber Drum DOT-21C (50+).....	55.03	
02 86 00 00-0086	EA		55 Gallon Fiber Drum DOT-21C (1-9).....	67.05	
02 86 00 00-0087	EA		55 Gallon Fiber Drum DOT-21C (10-24).....	63.25	
02 86 00 00-0088	EA		55 Gallon Fiber Drum DOT-21C (25-49).....	58.51	
02 86 00 00-0089	EA		55 Gallon Fiber Drum DOT-21C (50-99).....	56.61	
02 86 00 00-0090	EA		55 Gallon Fiber Drum DOT-21C (100+).....	49.02	
02 86 00 00-0091	EA		10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	41.75	
02 86 00 00-0092	EA		20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.54	
02 86 00 00-0093	EA		20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.13	
02 86 00 00-0094			Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095	EA		Load Drums On Disposal Truck.....	12.00	
02 86 00 00-0096	EA		Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,250.54	
02 86 00 00-0097			Transport Drums To Landfill (02 86 00 00-0001)		
			Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA		Transport Drum To Landfill	102.29	
			Note: Includes transportation for up to 25 miles.		

02 87 Bio-Hazard Material Remediation (02 87)

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, 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)

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

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	838.56
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.52
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.50
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	18.48
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.96
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.20
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.....	864.49
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	38.63
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.41
02 87 13 33-0014	LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.49
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.29
02 87 13 33-0016	LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.27
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.....	851.52
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.87
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.26
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.80
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.38
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	844.32
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal	18.73
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	14.12
02 87 13 33-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.66
02 87 13 33-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal	8.09
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	851.52
02 87 13 33-0033	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.84
02 87 13 33-0034	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	19.52
02 87 13 33-0035	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.75
02 87 13 33-0036	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	11.17
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.....	858.73
02 87 13 33-0040	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.70
02 87 13 33-0041	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.35
02 87 13 33-0042	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.61
02 87 13 33-0043	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.25
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.....	864.49
02 87 13 33-0047	CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.43
02 87 13 33-0048	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	20.87
02 87 13 33-0049	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.08
02 87 13 33-0050	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.21
02 87 13 33-0051	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.00
02 87 13 33-0052	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.37
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	207.96



Existing Conditions		02	02
Facility Remediation		02 80	
Bio-Hazard Material Remediation		02 87	

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	4.17	
02 87 13 33-0057	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.98	
02 87 13 33-0058	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.26	
02 87 13 33-0059	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.68	
02 87 13 33-0060	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.36	
02 87 13 33-0061	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.17	
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	23.06	
		For >25 To 50, Deduct	-2.31	
		For >50 To 200, Deduct	-5.76	
		For >200, Deduct	-9.22	
02 87 13 33-0064	CSF	Wipe Down Walls With Mild Bleach Solution	27.13	
		For >25 To 50, Deduct	-2.71	
		For >50 To 200, Deduct	-6.78	
		For >200, Deduct	-10.85	
02 87 13 33-0065	CSF	Wipe Down Ceilings With Mild Bleach Solution	30.87	
		For >25 To 50, Deduct	-3.09	
		For >50 To 200, Deduct	-7.72	
		For >200, Deduct	-12.34	
02 87 13 33-0066	CSF	Wipe Down Countertops With Mild Bleach Solution	25.16	
		For >25 To 50, Deduct	-2.52	
02 87 13 33-0067	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	31.93	
		For >25 To 50, Deduct	-3.19	
		For >50 To 200, Deduct	-7.98	
		For >200, Deduct	-12.77	
02 87 16 Excrement Removal (02 87)				
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, 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	829.91	
		For Work In Restricted Working Space, Add	248.97	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.83	
		For Work In Restricted Working Space, Add	4.15	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.58	
		For Work In Restricted Working Space, Add	3.77	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.43	
		For Work In Restricted Working Space, Add	3.43	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.40	
		For Work In Restricted Working Space, Add	3.12	
02 89 Hazmat Ancillary Tasks and Support (02 89)				
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 Sheetting (02 89 00 00-0001)				
02 89 00 00-0003	SF	6 Mil Plastic Sheetting, Applied To Floors, Hazmat Containment Construction	0.51	
02 89 00 00-0004	SF	6 Mil Plastic Sheetting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0005	SF	6 Mil Plastic Sheetting, Applied To Ceilings, Hazmat Containment Construction	0.89	
02 89 00 00-0006	SF	6 Mil Plastic Fire Retardant, Anti-static Sheetting, Applied To Floors, Hazmat Containment Construction	0.79	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Walls, Hazmat Containment Construction	0.99	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Ceilings, Hazmat Containment Construction	1.31	
02 89 00 00-0009 Decontamination Chambers (02 89)				
Note: Includes removal after use.				
02 89 00 00-0010	EA	3 Stage Portable Personnel Decontamination Wash Facility	1,083.58	
		Note: Includes connection to negative air system.		
02 89 00 00-0011	EA	5 Stage Portable Personnel Decontamination Wash Facility	1,278.07	
		Note: Includes connection to negative air system.		
02 89 00 00-0012	EA	Portable Waste Decontamination Unit	669.25	
		Note: Includes connection to negative air system.		
		For Dismantling And Relocation To A Different Area, Add	438.71	

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



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

END OF SECTION 02



Specialties			10
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 ⁽¹⁰⁾

10 14 Signage ^(10 10)

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

10 14 53 Traffic Signage ^(10 14)

10 14 53 11 Traffic Signage ^(10 14 53)

10 14 53 11-0001 Traffic Signs (Monterey County) ^(10 14 53 11)

Note: Excludes posts.

10 14 53 11-0002	EA	Roadside Sign-One Post (Monterey County).....	456.65	28.35
10 14 53 11-0003	EA	Install Roadside Sign Panel On Existing Post (Monterey County).....	207.67	

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

Note: Excludes posts.

10 14 53 11-0005	EA	29" x 23" Sign Size, Solar Powered, Aluminum, Polycarbonate, LED Radar Speed Display Sign	5,172.18	20.83
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10 14 53 11-0006 Traffic Signs ^(10 14 53 11)

10 14 53 11-0007 Reflectorized Stop Signs And Other Traffic Signs ^(10 14 53 11-0006)

Note: Excludes posts.

10 14 53 11-0008 Aluminum Engineer Grade Stop Signs ^(10 14 53 11-0007)

10 14 53 11-0009	EA	18" x 18" Aluminum Engineer Grade Stop Sign	83.98	20.83
		For Hi-Intensity Grade, Add	12.70	
		For Diamond Grade, Add	24.13	
10 14 53 11-0010	EA	18" x 24" Aluminum Engineer Grade Stop Sign	99.32	22.02
		For Hi-Intensity Grade, Add	16.61	
		For Diamond Grade, Add	31.56	
10 14 53 11-0011	EA	24" x 24" Aluminum Engineer Grade Stop Sign	108.16	23.14
		For Hi-Intensity Grade, Add	25.37	
		For Diamond Grade, Add	40.22	
10 14 53 11-0012	EA	30" x 30" Aluminum Engineer Grade Stop Sign	127.84	24.33
		For Hi-Intensity Grade, Add	9.51	
		For Diamond Grade, Add	51.51	
10 14 53 11-0013	EA	36" x 36" Aluminum Engineer Grade Stop Sign	177.91	25.45
		For Hi-Intensity Grade, Add	27.94	
		For Diamond Grade, Add	87.64	

10 14 53 11-0014 Steel Engineer Grade Stop Signs ^(10 14 53 11-0007)

10 14 53 11-0015	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	131.43	20.83
10 14 53 11-0016	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	166.27	22.02
10 14 53 11-0017	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	176.53	23.14
10 14 53 11-0018	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	255.80	24.33
10 14 53 11-0019	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	327.21	25.45

10 14 53 11-0020 Polyethylene Engineer Grade Stop Signs ^(10 14 53 11-0007)

10 14 53 11-0021	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	134.76	20.83
10 14 53 11-0022	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	174.79	22.02
10 14 53 11-0023	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	193.31	23.14
10 14 53 11-0024	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	256.57	24.33

10 14 53 11-0025 Other Reflectorized Traffic Signs ^(10 14 53 11-0007)

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 ^(10 14 53 11-0025)

10 14 53 11-0027	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	47.51	18.50
		For Hi-Intensity Grade, Add	3.15	
		For Diamond Grade, Add	5.98	
10 14 53 11-0028	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	52.75	18.50
		For Hi-Intensity Grade, Add	4.72	
		For Diamond Grade, Add	8.97	
10 14 53 11-0029	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	52.75	18.50
		For Hi-Intensity Grade, Add	4.72	
		For Diamond Grade, Add	8.97	
10 14 53 11-0030	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	56.68	18.50
		For Hi-Intensity Grade, Add	5.90	
		For Diamond Grade, Add	11.21	
10 14 53 11-0031	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	60.62	18.50
		For Hi-Intensity Grade, Add	7.08	
		For Diamond Grade, Add	13.45	

10 Specialties**10 10 Information Specialties****10 14 Signage**

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 For Hi-Intensity Grade, Add For Diamond Grade, Add	70.79 9.44 17.93	19.66
10 14 53 11-0033 EA 9" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	102.26 18.88 35.87	19.66
10 14 53 11-0034 EA 12" x 12" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	58.00 6.29 11.96	18.50
10 14 53 11-0035 EA 12" x 18" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	70.79 9.44 17.93	19.66
10 14 53 11-0036 EA 12" x 24" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	81.28 12.59 23.91	19.66
10 14 53 11-0037 EA 12" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	91.77 15.73 29.89	19.66
10 14 53 11-0038 EA 12" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	102.26 18.88 35.87	19.66
10 14 53 11-0039 EA 18" x 18" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	86.53 14.16 26.90	19.66
10 14 53 11-0040 EA 18" x 24" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	102.26 18.88 35.87	19.66
10 14 53 11-0041 EA 18" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	120.30 23.60 44.84	20.83
10 14 53 11-0042 EA 18" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	136.03 28.32 53.80	20.83
10 14 53 11-0043 EA 18" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	176.76 37.76 71.74	25.45
10 14 53 11-0044 EA 18" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	192.49 42.48 80.71	25.45
10 14 53 11-0045 EA 24" x 24" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	125.54 25.17 47.82	20.83
10 14 53 11-0046 EA 24" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	146.52 31.46 59.78	20.83
10 14 53 11-0047 EA 24" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	167.50 37.76 71.74	20.83
10 14 53 11-0048 EA 24" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	197.73 44.05 83.69	25.45
10 14 53 11-0049 EA 24" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	218.71 50.34 95.65	25.45
10 14 53 11-0050 EA 24" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	239.68 56.63 107.60	25.45
10 14 53 11-0051 EA 24" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	260.66 62.93 119.56	25.45
10 14 53 11-0052 EA 30" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	172.74 39.33 74.73	20.83
10 14 53 11-0053 EA 30" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	208.22 47.20 89.67	25.45
10 14 53 11-0054 EA 30" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	234.44 55.06 104.62	25.45
10 14 53 11-0055 EA 30" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	269.92 62.93 119.56	30.07
10 14 53 11-0056 EA 30" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	331.60 78.66 149.45	34.71
10 14 53 11-0057 EA 36" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	239.68 56.63 107.60	25.45
10 14 53 11-0058 EA 36" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	280.41 66.08 125.54	30.07
10 14 53 11-0059 EA 36" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	321.11 75.51 143.47	34.71



Specialties			10
Information Specialties			10 10
Signage			10 14

10

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
10 14 53 11-0060	EA 36" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	352.58 84.95 161.41		34.71
10 14 53 11-0061	EA 36" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	393.30 94.39 179.34		39.33
10 14 53 11-0062	EA 36" x 73" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	470.73 114.84 218.20		43.95
10 14 53 11-0063	EA 36" x 78" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	496.95 122.71 233.15		43.95
10 14 53 11-0064	EA 36" x 108" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	668.15 169.91 322.82		50.90
10 14 53 11-0065	EA 42" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	326.36 77.09 146.47		34.71
10 14 53 11-0066	EA 48" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	414.28 100.69 191.30		39.33
10 14 53 11-0067	EA 48" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	465.49 113.27 215.21		43.95
10 14 53 11-0068	EA 48" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	507.44 125.86 239.13		43.95
10 14 53 11-0069	EA 48" x 66" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	563.27 138.44 263.04		50.90
10 14 53 11-0070	EA 48" x 72" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	605.22 151.03 286.95		50.90
10 14 53 11-0071	EA 48" x 84" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	698.38 176.20 334.78		55.52
10 14 53 11-0072	EA 48" x 96" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	782.28 201.37 382.60		55.52
10 14 53 11-0073	EA 48" x 102" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	824.23 213.95 406.51		55.52
10 14 53 11-0074	EA 48" x 108" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	870.81 226.54 430.42		57.83
10 14 53 11-0075	EA 60" x 72" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	740.33 188.78 358.69		55.52
10 14 53 11-0076	EA 72" x 144" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	1,658.33 453.08 860.85		74.04
10 14 53 11-0077	EA 78" x 96" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	1,206.43 327.23 621.73		57.83
10 14 53 11-0078	Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0025)			
10 14 53 11-0079	EA 6" x 12" Reflective Polyethylene Traffic Sign	92.92		17.40
10 14 53 11-0080	EA 12" x 12" Reflective Polyethylene Traffic Sign	106.48		18.50
10 14 53 11-0081	EA 12" x 18" Reflective Polyethylene Traffic Sign	114.10		19.71
10 14 53 11-0082	EA 18" x 18" Reflective Polyethylene Traffic Sign	139.70		20.83
10 14 53 11-0083	EA 18" x 24" Reflective Polyethylene Traffic Sign	174.79		22.02
10 14 53 11-0084	EA 24" x 24" Reflective Polyethylene Traffic Sign	197.61		22.02
10 14 53 11-0085	Non-Reflectorized Traffic Signs (10 14 53 11-0006) Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.			
10 14 53 11-0086	Steel Non-Reflectorized Traffic Signs (10 14 53 11-0085)			
10 14 53 11-0087	EA 6" x 12" Steel Non-Reflectorized Traffic Sign.....	45.48		18.50
10 14 53 11-0088	EA 6" x 18" Steel Non-Reflectorized Traffic Sign.....	49.71		18.50
10 14 53 11-0089	EA 9" x 12" Steel Non-Reflectorized Traffic Sign.....	49.71		18.50
10 14 53 11-0090	EA 9" x 15" Steel Non-Reflectorized Traffic Sign.....	52.88		18.50
10 14 53 11-0091	EA 9" x 18" Steel Non-Reflectorized Traffic Sign.....	56.05		18.50
10 14 53 11-0092	EA 9" x 24" Steel Non-Reflectorized Traffic Sign.....	64.70		19.66
10 14 53 11-0093	EA 9" x 48" Steel Non-Reflectorized Traffic Sign.....	90.08		19.66
10 14 53 11-0094	EA 12" x 12" Steel Non-Reflectorized Traffic Sign.....	53.94		18.50
10 14 53 11-0095	EA 12" x 18" Steel Non-Reflectorized Traffic Sign.....	64.70		19.66
10 14 53 11-0096	EA 12" x 24" Steel Non-Reflectorized Traffic Sign.....	73.16		19.66
10 14 53 11-0097	EA 12" x 30" Steel Non-Reflectorized Traffic Sign.....	81.62		19.66
10 14 53 11-0098	EA 12" x 36" Steel Non-Reflectorized Traffic Sign.....	90.08		19.66
10 14 53 11-0099	EA 18" x 18" Steel Non-Reflectorized Traffic Sign.....	77.39		19.66
10 14 53 11-0100	EA 18" x 24" Steel Non-Reflectorized Traffic Sign.....	90.08		19.66

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 14 53 11-0101	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	105.07	20.83
10 14 53 11-0102	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	117.76	20.83
10 14 53 11-0103	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	152.39	25.45
10 14 53 11-0104	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	165.08	25.45
10 14 53 11-0105	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	109.30	20.83
10 14 53 11-0106	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	126.22	20.83
10 14 53 11-0107	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	143.13	20.83
10 14 53 11-0108	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	169.31	25.45
10 14 53 11-0109	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	186.22	25.45
10 14 53 11-0110	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	203.14	25.45
10 14 53 11-0111	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	220.05	25.45
10 14 53 11-0112	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	147.36	20.83
10 14 53 11-0113	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	177.77	25.45
10 14 53 11-0114	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	198.91	25.45
10 14 53 11-0115	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	229.31	30.07
10 14 53 11-0116	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	280.84	34.71
10 14 53 11-0117	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	203.14	25.45
10 14 53 11-0118	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	237.77	30.07
10 14 53 11-0119	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	272.39	34.71
10 14 53 11-0120	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	297.76	34.71
10 14 53 11-0121	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	332.39	39.33
10 14 53 11-0122	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	396.63	43.95
10 14 53 11-0123	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	417.77	43.95
10 14 53 11-0124	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	558.52	50.90
10 14 53 11-0125	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	276.61	34.71
10 14 53 11-0126	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	349.31	39.33
10 14 53 11-0127	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	392.40	43.95
10 14 53 11-0128	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	426.23	43.95
10 14 53 11-0129	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	473.94	50.90
10 14 53 11-0130	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	507.77	50.90
10 14 53 11-0131	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	584.68	55.52
10 14 53 11-0132	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	652.35	55.52
10 14 53 11-0133	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	686.18	55.52
10 14 53 11-0134	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	724.64	57.83
10 14 53 11-0135	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	618.51	55.52
10 14 53 11-0136	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,365.97	74.04
10 14 53 11-0137	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	995.28	57.83

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	45.82	18.50
10 14 53 11-0140	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	50.22	18.50
10 14 53 11-0141	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	50.22	18.50
10 14 53 11-0142	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	53.52	18.50
10 14 53 11-0143	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	56.83	18.50
10 14 53 11-0144	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	65.74	19.66
10 14 53 11-0145	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	92.14	19.66
10 14 53 11-0146	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	54.62	18.50
10 14 53 11-0147	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	65.74	19.66
10 14 53 11-0148	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	74.54	19.66
10 14 53 11-0149	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	83.34	19.66
10 14 53 11-0150	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	92.14	19.66
10 14 53 11-0151	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	78.94	19.66
10 14 53 11-0152	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	92.14	19.66
10 14 53 11-0153	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	107.66	20.83
10 14 53 11-0154	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	120.86	20.83
10 14 53 11-0155	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	156.53	25.45
10 14 53 11-0156	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	169.73	25.45
10 14 53 11-0157	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	112.06	20.83
10 14 53 11-0158	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	129.66	20.83
10 14 53 11-0159	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	147.27	20.83
10 14 53 11-0160	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	174.13	25.45
10 14 53 11-0161	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	191.74	25.45
10 14 53 11-0162	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	209.34	25.45
10 14 53 11-0163	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	226.95	25.45
10 14 53 11-0164	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	151.67	20.83
10 14 53 11-0165	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	182.94	25.45
10 14 53 11-0166	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	204.94	25.45
10 14 53 11-0167	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	236.21	30.07
10 14 53 11-0168	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	289.46	34.71
10 14 53 11-0169	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	209.34	25.45
10 14 53 11-0170	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	245.01	30.07
10 14 53 11-0171	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	280.66	34.71
10 14 53 11-0172	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	307.06	34.71
10 14 53 11-0173	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	342.73	39.33
10 14 53 11-0174	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	409.21	43.95
10 14 53 11-0175	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	431.21	43.95
10 14 53 11-0176	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	577.13	50.90
10 14 53 11-0177	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	285.06	34.71
10 14 53 11-0178	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	360.34	39.33
10 14 53 11-0179	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	404.81	43.95



Specialties			10
Information Specialties			10 10
Signage			10 14

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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.....	440.02	43.95
10 14 53 11-0181	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign.....	489.11	50.90
10 14 53 11-0182	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign.....	524.32	50.90
10 14 53 11-0183	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign.....	603.98	55.52
10 14 53 11-0184	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign.....	674.40	55.52
10 14 53 11-0185	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign.....	709.61	55.52
10 14 53 11-0186	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign.....	749.45	57.83
10 14 53 11-0187	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign.....	639.19	55.52
10 14 53 11-0188	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign.....	1,415.61	74.04
10 14 53 11-0189	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign.....	1,031.13	57.83
10 14 53 11-0190 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0085)				
10 14 53 11-0191	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	76.50	17.40
10 14 53 11-0192	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	83.98	18.50
10 14 53 11-0193	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	90.63	19.71
10 14 53 11-0194	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	122.92	20.83
10 14 53 11-0195	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	131.96	22.02
10 14 53 11-0196	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	154.82	23.14
10 14 53 11-0197 Signs For Overhead Sign Structures (10 14 53 11-0006)				
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.				
10 14 53 11-0200 Flashing Beacon (10 14 53 11-0006)				
10 14 53 11-0201	EA	8" Diameter LED Flashing Beacon	1,392.80	208.14
Note: Excludes sign and post				
10 14 53 11-0202 Rectangular Rapid Flashing Beacons (RRFB) (10 14 53 11-0006)				
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)	1,700.21	208.14
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.....	3,596.28	208.14
Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post				
10 14 53 11-0205 Aluminum Street Signs (10 14 53 11-0006)				
Note: Excludes posts.				
10 14 53 11-0206 Aluminum Engineer Grade Street Signs (10 14 53 11-0205)				
10 14 53 11-0207	EA	6" High, Aluminum Engineer Grade Street Sign	105.24	9.26
		For Diamond Grade, Add	49.44	
10 14 53 11-0208	EA	8" High, Aluminum Engineer Grade Street Sign	120.55	9.26
		For Diamond Grade, Add	58.17	
10 14 53 11-0209	EA	9" High, Aluminum Engineer Grade Street Sign	131.94	9.26
		For Diamond Grade, Add	64.66	
10 14 53 11-0210 Street Sign Accessories (10 14 53 11-0205)				
10 14 53 11-0211	EA	Single Bracket And Post Cap For Street Sign	30.12	4.62
10 14 53 11-0212	EA	Double Bracket And Post Cap For Street Sign	30.12	4.62
10 14 53 11-0213 Sign Posts (10 14 53 11-0006)				
Note: Excludes sign.				
10 14 53 11-0214 U-Channel Sign Posts (10 14 53 11-0213)				
Note: Excludes digging and concrete.				
10 14 53 11-0215 Baked Enamel U-Channel Sign Posts (10 14 53 11-0214)				
10 14 53 11-0216	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	74.01	18.90
10 14 53 11-0217	EA	6' Baked Enamel U-Channel Sign Post	98.16	23.63
10 14 53 11-0218	EA	7' Baked Enamel U-Channel Sign Post	117.08	28.35
10 14 53 11-0219	EA	8' Baked Enamel U-Channel Sign Post	137.20	33.07
10 14 53 11-0220	EA	10' Baked Enamel U-Channel Sign Post	165.32	40.17
10 14 53 11-0221	EA	12' Baked Enamel U-Channel Sign Post	171.12	40.17
10 14 53 11-0222 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0214)				
10 14 53 11-0223	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base.....	81.47	18.90
10 14 53 11-0224	EA	6' Galvanized Steel U-Channel Sign Post.....	110.01	23.63
10 14 53 11-0225	EA	7' Galvanized Steel U-Channel Sign Post.....	143.86	28.35
10 14 53 11-0226	EA	8' Galvanized Steel U-Channel Sign Post.....	166.80	33.07
10 14 53 11-0227	EA	10' Galvanized Steel U-Channel Sign Post.....	186.88	40.17
10 14 53 11-0228	EA	12' Galvanized Steel U-Channel Sign Post.....	189.88	40.17

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0229		Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0214)		
10 14 53 11-0230	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	72.25	18.90
10 14 53 11-0231	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	94.34	23.63
10 14 53 11-0232	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	112.46	28.35
10 14 53 11-0233	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	131.69	33.07
10 14 53 11-0234	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	155.33	40.17
10 14 53 11-0235	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	165.20	40.17
10 14 53 11-0236		Tubular Sign Posts (10 14 53 11-0213)		
		Note: Excludes digging and concrete.		
10 14 53 11-0237		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0236)		
10 14 53 11-0238	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	111.23	23.63
10 14 53 11-0239	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	131.70	28.35
10 14 53 11-0240	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	155.95	33.07
10 14 53 11-0241	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	203.08	40.17
10 14 53 11-0242	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	223.41	40.17
10 14 53 11-0243		Square Sign Posts (10 14 53 11-0213)		
		Note: Excludes digging and concrete.		
10 14 53 11-0244		Galvanized Steel Square Sign Posts (10 14 53 11-0243)		
10 14 53 11-0245	EA	3' To 4' Galvanized Steel Square Sign Post Base.....	83.13	18.90
10 14 53 11-0246	EA	6' Galvanized Steel Square Sign Post.....	138.05	23.63
10 14 53 11-0247	EA	7' Galvanized Steel Square Sign Post.....	161.31	28.35
10 14 53 11-0248	EA	8' Galvanized Steel Square Sign Post.....	188.16	33.07
10 14 53 11-0249	EA	10' Galvanized Steel Square Sign Post.....	229.96	40.17
10 14 53 11-0250	EA	12' Galvanized Steel Square Sign Post.....	244.16	40.17
10 14 53 11-0251		Other Sign Posts And Bases (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		2.5 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0251)		
10 14 53 11-0253		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0252)		
10 14 53 11-0254	EA	Base Post For 2.5 Lb./LF Breakaway Sign Post.....	97.27	23.14
10 14 53 11-0255	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post.....	60.25	18.50
10 14 53 11-0256		Breakaway Sign Posts, 2.5 Lb./LF (10 14 53 11-0252)		
10 14 53 11-0257	LF	2.5 Lb./LF Breakaway Sign Post.....	12.61	2.31
10 14 53 11-0258		4 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0251)		
10 14 53 11-0259		Base Posts, 4 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0258)		
10 14 53 11-0260	EA	Base Post For 4 Lb./LF Breakaway Sign Post.....	101.91	27.76
10 14 53 11-0261	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post.....	60.25	18.50
10 14 53 11-0262		Breakaway Sign Posts, 4 Lb./LF (10 14 53 11-0258)		
10 14 53 11-0263	LF	4 Lb./LF Breakaway Sign Post.....	15.49	2.31
10 14 53 11-0264		Driven Sign Posts (10 14 53 11-0251)		
10 14 53 11-0265		Driven Posts, 2.5 Lb./LF (10 14 53 11-0264)		
10 14 53 11-0266	LF	2.5 Lb./LF Driven Post.....	13.54	3.24
10 14 53 11-0267		Driven Posts, 4 Lb./LF (10 14 53 11-0264)		
10 14 53 11-0268	LF	4 Lb./LF Driven Post.....	16.88	3.70
10 14 53 11-0269		Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0251)		
10 14 53 11-0270		Omni-Directional Breakaway Systems For Signs (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).....	1,469.95	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,566.22	
10 14 53 11-0273	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,073.76	
10 14 53 11-0274	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	940.47	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,066.36	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,014.52	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,099.68	



Specialties			10
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	Omni-Directional Breakaway Systems For Poles (10 14 53 11-0269) 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.....	495.45
10 14 53 11-0280 EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	519.43
10 14 53 11-0281 EA	Omni-Directional Breakaway System For Poles With 1" Couplings.....	539.41
10 14 53 11-0282 EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	819.09
10 14 53 11-0283 EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	71.92
10 14 53 11-0284 EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	95.89
10 14 53 11-0285	Wood Posts (10 14 53 11-0251) 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.....	11.27
10 14 53 11-0287	Sign Post Accessories (10 14 53 11-0006)	
10 14 53 11-0288	Sign Post Brackets (10 14 53 11-0287)	
10 14 53 11-0289 EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set.....	61.35
	Note: Includes 2 single side signpost brackets	
10 14 53 11-0290 EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set.....	80.18
	Note: Includes 2 double side signpost brackets	
10 14 53 11-0291 EA	4" To 12" Diameter, Buckle Bracket Set.....	73.47
	Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	
10 14 53 11-0292	Sign Post Caps (10 14 53 11-0287)	
10 14 53 11-0293 EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	26.96
10 14 53 11-0294	Sign Post Replacement Bolts (10 14 53 11-0287)	
10 14 53 11-0295 EA	Signage Fasteners Replacement.....	17.75
	Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	
10 14 53 11-0296	Reflective Panels For "U" Channel Post (10 14 53 11-0287)	
10 14 53 11-0297 EA	3" x 72" Reflective Panel For "U-Channel" Post.....	83.44
	Note: Diamond grade panel including mounting hardware.	
10 14 53 11-0298	Removal Of Signs (10 14 53 11) Note: Includes structural supports and foundations.	
10 14 53 11-0299 EA	>4 To 10 SF Sign Area, Sign Removal.....	185.08
10 14 53 11-0300 EA	>10 To 20 SF Sign Area, Sign Removal.....	444.20
10 14 53 11-0301 EA	>20 To 40 SF Sign Area, Sign Removal.....	666.31
10 14 53 11-0302 EA	>40 To 100 SF Sign Area, Sign Removal.....	1,110.35
10 14 53 11-0303	Removal And Reinstallation Of Signs (10 14 53 11) Note: Includes structural supports and foundations	
10 14 53 11-0304 EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	284.14
10 14 53 11-0305 EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	670.95
10 14 53 11-0306 EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	1,003.41
10 14 53 11-0307 EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,669.18
10 14 53 11-0308 EA	Removal And Reinstallation Of Street Sign On Post.....	106.42
10 14 53 11-0309 EA	Removal And Relocation Of Traffic Light.....	392.97
	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	Stainless Steel Spiked Bird Barrier (10 81 13) 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.....	11.04
10 81 13 00-0003 LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	13.33
10 81 13 00-0004 LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	19.64
10 81 13 00-0005	Polycarbonate Spiked Bird Barrier (10 81 13) Note: Polycarbonate spikes and base.	
10 81 13 00-0006 LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	10.20
10 81 13 00-0007 LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	12.36
10 81 13 00-0008 LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	14.75

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



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 81 13 00-0009	Spiked Gutter Or Girder Bird Barrier <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	11.70		1.09
10 81 13 00-0011	Coil Bird Barrier <small>(10 81 13)</small> Note: Stainless steel coil.			
10 81 13 00-0012	LF 4" Diameter Stainless Steel Coil Bird Deterrent System	8.27		1.09
10 81 13 00-0013	LF 5" Diameter Stainless Steel Coil Bird Deterrent System	9.77		1.09
10 81 13 00-0014	Spider Bird Barrier <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	145.37		1.09
10 81 13 00-0016	EA 4' Diameter Stainless Steel Spider Bird Deterrent System	213.83		1.09
10 81 13 00-0017	EA 8' Diameter Stainless Steel Spider Bird Deterrent System	269.19		1.09
10 81 13 00-0018	Oriented Flexible Flame-resistant Netting <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 Note: To control bird and marine predators.	1.09		0.37
10 81 13 00-0020	SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.05		0.37
10 81 13 00-0021	SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.01		0.37
10 81 13 00-0022	SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.97		0.37
10 81 13 00-0023	SF 1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.97		0.37
10 81 13 00-0024	SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.95		0.37
10 81 13 00-0025	SF 2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.92		0.37
10 81 13 00-0026	SF 3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.92		0.37
10 81 13 00-0027	SF 4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.88		0.37
10 81 13 00-0028	SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.99		0.37
10 81 13 00-0029	SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.93		0.37
10 81 13 00-0030	EA Poly Clips For Flexible Netting	3.23		
10 81 13 00-0031	Netting Accessories <small>(10 81 13)</small>			
10 81 13 00-0032	EA 2' Zipper For Flexible Netting	9.40		
10 81 13 00-0033	EA 4' Zipper For Flexible Netting	14.16		
10 81 13 00-0034	EA 6' Zipper For Flexible Netting	16.66		
10 81 13 00-0035	EA 8' Zipper For Flexible Netting	23.68		
10 81 16	Insect Control Devices <small>(10 81)</small>			
10 81 16 00-0001	Insect Screening <small>(10 81 16)</small>			
10 81 16 00-0002	CSF 17/14 Mesh Insect Screening With Flat Screen Splines	143.52		

END OF SECTION 10



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

32

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 ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings ^(32 01 11 53)

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	2.30
		For Up To 250, Add	1.15
		For >250 To 1,000, Add	0.58
		For >5,000 To 10,000, Deduct	-0.35
		For >10,000 To 25,000, Deduct	-0.58
		For >25,000 To 50,000, Deduct	-0.81
		For >50,000, Deduct	-0.92
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.76
		For Up To 250, Add	1.38
		For >250 To 1,000, Add	0.69
		For >5,000 To 10,000, Deduct	-0.41
		For >10,000 To 25,000, Deduct	-0.69
		For >25,000 To 50,000, Deduct	-0.97
		For >50,000, Deduct	-1.10
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.31
		For Up To 250, Add	1.66
		For >250 To 1,000, Add	0.83
		For >5,000 To 10,000, Deduct	-0.50
		For >10,000 To 25,000, Deduct	-0.83
		For >25,000 To 50,000, Deduct	-1.16
		For >50,000, Deduct	-1.32
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	3.16
		For Up To 250, Add	1.58
		For >250 To 1,000, Add	0.79
		For >5,000 To 10,000, Deduct	-0.47
		For >10,000 To 25,000, Deduct	-0.79
		For >25,000 To 50,000, Deduct	-1.11
		For >50,000, Deduct	-1.26
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.96
		For Up To 250, Add	1.98
		For >250 To 1,000, Add	0.99
		For >5,000 To 10,000, Deduct	-0.59
		For >10,000 To 25,000, Deduct	-0.99
		For >25,000 To 50,000, Deduct	-1.39
		For >50,000, Deduct	-1.58
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.96
		For Up To 250, Add	1.98
		For >250 To 1,000, Add	0.99
		For >5,000 To 10,000, Deduct	-0.59
		For >10,000 To 25,000, Deduct	-0.99
		For >25,000 To 50,000, Deduct	-1.39
		For >50,000, Deduct	-1.58

32 01 11 53-0008 Remove Thermoplastic Pavement Markings ^(32 01 11 53)

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.96
		For Up To 250, Add	1.48
		For >250 To 1,000, Add	0.74
		For >5,000 To 10,000, Deduct	-0.44
		For >10,000 To 25,000, Deduct	-0.74
		For >25,000 To 50,000, Deduct	-1.04
		For >50,000, Deduct	-1.18
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.49
		For Up To 250, Add	1.75
		For >250 To 1,000, Add	0.87
		For >5,000 To 10,000, Deduct	-0.52
		For >10,000 To 25,000, Deduct	-0.87
		For >25,000 To 50,000, Deduct	-1.22
		For >50,000, Deduct	-1.40
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.22
		For Up To 250, Add	2.11
		For >250 To 1,000, Add	1.06
		For >5,000 To 10,000, Deduct	-0.63
		For >10,000 To 25,000, Deduct	-1.06
		For >25,000 To 50,000, Deduct	-1.48
		For >50,000, Deduct	-1.69
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	4.02
		For Up To 250, Add	2.01
		For >250 To 1,000, Add	1.01
		For >5,000 To 10,000, Deduct	-0.60
		For >10,000 To 25,000, Deduct	-1.01
		For >25,000 To 50,000, Deduct	-1.41
		For >50,000, Deduct	-1.61

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.....	5.05	
For Up To 250, Add	2.53	
For >250 To 1,000, Add	1.26	
For >5,000 To 10,000, Deduct	-0.76	
For >10,000 To 25,000, Deduct	-1.26	
For >25,000 To 50,000, Deduct	-1.77	
For >50,000, Deduct	-2.02	
32 01 11 53-0014 SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols.....	5.05	
For Up To 250, Add	2.53	
For >250 To 1,000, Add	1.26	
For >5,000 To 10,000, Deduct	-0.76	
For >10,000 To 25,000, Deduct	-1.26	
For >25,000 To 50,000, Deduct	-1.77	
For >50,000, Deduct	-2.02	

32 10 Bases, Ballasts, and Paving ⁽³²⁾**32 17 Paving Specialties** ^(32 10)**32 17 13 Parking Bumpers** ^(32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers ^(32 17 13)

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop	197.67	7.70
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop	224.02	7.70

32 17 13 19 Precast Concrete Parking Bumpers ^(32 17 13)

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	75.84	23.19
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	86.35	23.19
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	90.09	23.19
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	94.36	23.19
32 17 13 19-0005 EA 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	88.03	23.19
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	111.53	23.19
32 17 13 19-0007 EA 8" x 12" x 8' Precast Concrete Wheel Stop With Dowels	127.26	25.04
32 17 13 19-0008 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	37.10	
32 17 13 19-0009 EA Removal And Relocation Of Plastic Or Wood Wheel Stop	24.11	
32 17 13 19-0010 EA 7.625" x 7.625" x 6' Precast Concrete Wheel Stop	127.00	23.19
32 17 13 19-0011 EA 7.625" x 7.625" x 8' Precast Concrete Wheel Stop	188.99	23.19

32 17 13 23 Rubber Parking Bumpers ^(32 17 13)

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop	32.16	7.70
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop	37.35	7.70
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop	39.43	7.70
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop	42.55	7.70

32 17 13 26 Wood Parking Bumpers ^(32 17 13)

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.77	1.85
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	14.08	1.85

32 17 16 Manufactured Traffic-Calming Devices ^(32 17)**32 17 16 00-0001 Modular Rubber Speed Tables** ^(32 17 16)

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	71.11	
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.....	62.12	
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.....	58.29	
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.....	68.04	
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.....	59.82	
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.....	56.44	
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.....	64.98	
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.....	58.03	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		



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

32

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.	54.91	
32 17 16 00-0011 Asphalt Speed Table (32 17 16)					
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.	39.48	
32 17 16 00-0013	LF		>36" To 48" Run, Asphalt Speed Table With 3" Center Crown..... Note: Tapered on edges to roadway.	46.57	
32 17 16 00-0014	LF		Up to 36" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	49.61	
32 17 16 00-0015	LF		>36" To 48" Run, Asphalt Speed Table With 4" Center Crown..... Note: Tapered on edges to roadway.	58.54	
32 17 16 00-0016	LF		Up to 36" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	60.78	
32 17 16 00-0017	LF		>36" To 48" Run, Asphalt Speed Table With 6" Center Crown..... Note: Tapered on edges to roadway.	67.86	
32 17 16 00-0018 Speed Bumps (32 17 16)					
Note: Excludes pavement markings or reflectors.					
32 17 16 00-0019	LF		2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	37.58	1.95
32 17 16 00-0020	LF		2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	31.10	1.30
32 17 16 00-0021	LF		2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	157.01	1.30
32 17 23 Pavement Markings (32 17)					
32 17 23 13 Painted Pavement Markings (32 17 23)					
32 17 23 13-0001 Minimum Charge For Pavement Striping (32 17 23 13)					
32 17 23 13-0002	EA		Pavement Striping Minimum Charge	448.42	
32 17 23 13-0003 Painted Pavement Striping, Letters, Symbols And Markers for Roads (32 17 23 13)					
Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.					
32 17 23 13-0004 Painted Epoxy Reflective Pavement Marking (32 17 23 13-0003)					
Note: 15 mil thickness.					
32 17 23 13-0005	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.59	
For 20 Mil Thickness, Add				0.12	
For Up To 5,000 LF, Add				0.12	
For >25,000 LF, Deduct				-0.09	
For Broken Line (25% Solid), Deduct				-0.25	
32 17 23 13-0006	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.80	
For 20 Mil Thickness, Add				0.18	
For Up To 5,000 LF, Add				0.16	
For >25,000 LF, Deduct				-0.12	
For Broken Line (25% Solid), Deduct				-0.37	
32 17 23 13-0007	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.97	
For 20 Mil Thickness, Add				0.21	
For Up To 5,000 LF, Add				0.19	
For >25,000 LF, Deduct				-0.15	
For Broken Line (25% Solid), Deduct				-0.44	
32 17 23 13-0008	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.47	
For 20 Mil Thickness, Add				0.35	
For Up To 5,000 LF, Add				0.29	
For >25,000 LF, Deduct				-0.22	
For Broken Line (25% Solid), Deduct				-0.72	
32 17 23 13-0009	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.90	
For 20 Mil Thickness, Add				0.23	
For Up To 5,000 LF, Add				0.18	
For >25,000 LF, Deduct				-0.14	
For Broken Line On One Side, Deduct				-0.24	
For Double Broken Line, Deduct				-0.48	
32 17 23 13-0010	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.28	
For 20 Mil Thickness, Add				0.34	
For Up To 5,000 LF, Add				0.26	
For >25,000 LF, Deduct				-0.19	
For Broken Line On One Side, Deduct				-0.36	
For Double Broken Line, Deduct				-0.73	
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.	8.56	
For 20 Mil Thickness, Add				0.95	
32 17 23 13-0012	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	5.33	
For 20 Mil Thickness, Add				0.47	
For <10, Add				0.69	
For >50 To 100, Deduct				-0.35	
For >100 To 200, Deduct				-0.46	
For >200, Deduct				-0.92	

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.....	9.59	
			For 20 Mil Thickness, Add	1.23	
			For <10, Add	1.04	
			For >50 To 100, Deduct	-0.52	
			For >100 To 200, Deduct	-0.69	
			For >200, Deduct	-1.39	
32 17 23 13-0014	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	16.18	
			For 20 Mil Thickness, Add	2.12	
			For <10, Add	1.73	
			For >50 To 100, Deduct	-0.87	
			For >100 To 200, Deduct	-1.15	
			For >200, Deduct	-2.31	
32 17 23 13-0015	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	31.24	
			For 20 Mil Thickness, Add	3.87	
			For <10, Add	3.46	
			For >50 To 100, Deduct	-1.73	
			For >100 To 200, Deduct	-2.31	
			For >200, Deduct	-4.62	
32 17 23 13-0016	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	36.50	
			For 20 Mil Thickness, Add	4.83	
			For <10, Add	3.88	
			For >50 To 100, Deduct	-1.94	
			For >100 To 200, Deduct	-2.59	
			For >200, Deduct	-5.18	
32 17 23 13-0017	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	65.44	
			For 20 Mil Thickness, Add	8.76	
			For <10, Add	6.91	
			For >50 To 100, Deduct	-3.45	
			For >100 To 200, Deduct	-4.61	
			For >200, Deduct	-9.21	
32 17 23 13-0018	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	87.36	
			For 20 Mil Thickness, Add	11.59	
			For <10, Add	9.28	
			For >50 To 100, Deduct	-4.64	
			For >100 To 200, Deduct	-6.19	
			For >200, Deduct	-12.37	
32 17 23 13-0019	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	133.57	
			For 20 Mil Thickness, Add	22.80	
			For <10, Add	11.50	
			For >50 To 100, Deduct	-5.75	
			For >100 To 200, Deduct	-7.67	
			For >200, Deduct	-15.33	
32 17 23 13-0020	SF		Letter/Number, Epoxy Reflective Pavement Marking	8.78	
			For 20 Mil Thickness, Add	0.96	
32 17 23 13-0021	SF		Symbols, Epoxy Reflective Pavement Marking.....	11.14	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0022			Painted Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0003)		
			Note: 15 mil thickness.		
32 17 23 13-0023	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.35	
			Note: Includes solvent based and latex paints.		
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
			For Broken Line (25% Solid), Deduct	-0.07	
32 17 23 13-0024	LF		Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.44	
			Note: Includes solvent based and latex paints.		
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
			For Broken Line (25% Solid), Deduct	-0.10	
32 17 23 13-0025	LF		Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.55	
			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	-0.12	
32 17 23 13-0026	LF		Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.75	
			Note: Includes solvent based and latex paints.		
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
			For Broken Line (25% Solid), Deduct	-0.18	
32 17 23 13-0027	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.50	
			For Up To 5,000 LF, Add	0.10	
			For >25,000 LF, Deduct	-0.08	
			For Broken Line On One Side, Deduct	-0.06	
			For Double Broken Line, Deduct	-0.12	
32 17 23 13-0028	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.75	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
			For Broken Line On One Side, Deduct	-0.09	
			For Double Broken Line, Deduct	-0.18	
32 17 23 13-0029	SF		Solid Area, Painted Reflective Pavement Striping	6.96	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		



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

32

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
32 17 23 13-0030	EA	6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	5.04	
		Note: Includes solvent based and latex paints.		
		For <10, Add	0.69	
		For >50 To 100, Deduct	-0.35	
		For >100 To 200, Deduct	-0.46	
		For >200, Deduct	-0.92	
32 17 23 13-0031	EA	12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	8.55	
		Note: Includes solvent based and latex paints.		
		For <10, Add	1.04	
		For >50 To 100, Deduct	-0.52	
		For >100 To 200, Deduct	-0.69	
		For >200, Deduct	-1.39	
32 17 23 13-0032	EA	24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	14.35	
		Note: Includes solvent based and latex paints.		
		For <10, Add	1.73	
		For >50 To 100, Deduct	-0.87	
		For >100 To 200, Deduct	-1.15	
		For >200, Deduct	-2.31	
32 17 23 13-0033	EA	36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	28.03	
		Note: Includes solvent based and latex paints.		
		For <10, Add	3.46	
		For >50 To 100, Deduct	-1.73	
		For >100 To 200, Deduct	-2.31	
		For >200, Deduct	-4.62	
32 17 23 13-0034	EA	48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	32.32	
		Note: Includes solvent based and latex paints.		
		For <10, Add	3.88	
		For >50 To 100, Deduct	-1.94	
		For >100 To 200, Deduct	-2.59	
		For >200, Deduct	-5.18	
32 17 23 13-0035	EA	72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	57.81	
		Note: Includes solvent based and latex paints.		
		For <10, Add	6.91	
		For >50 To 100, Deduct	-3.45	
		For >100 To 200, Deduct	-4.61	
		For >200, Deduct	-9.21	
32 17 23 13-0036	EA	96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	77.32	
		Note: Includes solvent based and latex paints.		
		For <10, Add	9.28	
		For >50 To 100, Deduct	-4.64	
		For >100 To 200, Deduct	-6.19	
		For >200, Deduct	-12.37	
32 17 23 13-0037	EA	120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	111.16	
		Note: Includes solvent based and latex paints.		
		For <10, Add	11.50	
		For >50 To 100, Deduct	-5.75	
		For >100 To 200, Deduct	-7.67	
		For >200, Deduct	-15.33	
32 17 23 13-0038	SF	Letter/Number, Painted Reflective Pavement Marking	8.05	
		Note: Includes solvent based and latex paints.		
32 17 23 13-0039	SF	Symbols, Painted Reflective Pavement Marking	9.63	
		Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
32 17 23 13-0040		Painted Thermoplastic Reflective Pavement Marking (32 17 23 13-0003)		
		Note: 40 mil thickness.		
32 17 23 13-0041	LF	Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	0.76	
		For Up To 5,000 LF, Add	0.15	
		For >25,000 LF, Deduct	-0.11	
		For 30 mils Thick, Deduct	-0.13	
		For 45 mils Thick, Add	0.06	
		For Broken Line (25% Solid), Deduct	-0.38	
		For Enhanced Wet-Night Visibility, Add	0.04	
32 17 23 13-0042	LF	Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.03	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.21	
		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	-0.54	
		For Enhanced Wet-Night Visibility, Add	0.06	
32 17 23 13-0043	LF	Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.38	
		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	-0.25	
		For 45 mils Thick, Add	0.12	
		For Broken Line (25% Solid), Deduct	-0.74	
		For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0044	LF	Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.99	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.40	
		For >25,000 LF, Deduct	-0.30	
		For 30 mils Thick, Deduct	-0.37	
		For 45 mils Thick, Add	0.19	
		For Broken Line (25% Solid), Deduct	-1.11	
		For Enhanced Wet-Night Visibility, Add	0.12	

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

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 17 23 13-0045	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.33		
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.27	
		For >25,000 LF, Deduct	-0.20	
		For 30 mils Thick, Deduct	-0.25	
		For 45 mils Thick, Add	0.12	
		For Broken Line On One Side, Deduct	-0.37	
		For Double Broken Line, Deduct	-0.74	
		For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0046	LF	Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping 1.99		
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.40	
		For >25,000 LF, Deduct	-0.30	
		For 30 mils Thick, Deduct	-0.37	
		For 45 mils Thick, Add	0.19	
		For Broken Line On One Side, Deduct	-0.56	
		For Double Broken Line, Deduct	-1.11	
		For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0047	SF	Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 8.20		
		Note: Includes yellow or white.		
		For 30 mils Thick, Deduct	-0.37	
		For 45 mils Thick, Add	0.19	
		For Enhanced Wet-Night Visibility, Add	0.12	
32 17 23 13-0048	EA	6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 5.54		
		For Up To 10, Add	0.69	
		For >50 To 100, Deduct	-0.35	
		For >100 To 200, Deduct	-0.46	
		For >200, Deduct	-0.92	
		For 30 mils Thick, Deduct	-0.24	
		For 45 mils Thick, Add	0.12	
		For Enhanced Wet-Night Visibility, Add	0.08	
32 17 23 13-0049	EA	12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 10.33		
		For Up To 10, Add	1.04	
		For >50 To 100, Deduct	-0.52	
		For >100 To 200, Deduct	-0.69	
		For >200, Deduct	-1.39	
		For 30 mils Thick, Deduct	-0.85	
		For 45 mils Thick, Add	0.42	
		For Enhanced Wet-Night Visibility, Add	0.28	
32 17 23 13-0050	EA	24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 17.48		
		For Up To 10, Add	1.73	
		For >50 To 100, Deduct	-0.87	
		For >100 To 200, Deduct	-1.15	
		For >200, Deduct	-2.31	
		For 30 mils Thick, Deduct	-1.49	
		For 45 mils Thick, Add	0.74	
		For Enhanced Wet-Night Visibility, Add	0.49	
32 17 23 13-0051	EA	36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 33.52		
		For Up To 10, Add	3.46	
		For >50 To 100, Deduct	-1.73	
		For >100 To 200, Deduct	-2.31	
		For >200, Deduct	-4.62	
		For 30 mils Thick, Deduct	-2.61	
		For 45 mils Thick, Add	1.31	
		For Enhanced Wet-Night Visibility, Add	0.86	
32 17 23 13-0052	EA	48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 39.47		
		For Up To 10, Add	3.88	
		For >50 To 100, Deduct	-1.94	
		For >100 To 200, Deduct	-2.59	
		For >200, Deduct	-5.18	
		For 30 mils Thick, Deduct	-3.40	
		For 45 mils Thick, Add	1.70	
		For Enhanced Wet-Night Visibility, Add	1.12	
32 17 23 13-0053	EA	72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 70.87		
		For Up To 10, Add	6.91	
		For >50 To 100, Deduct	-3.45	
		For >100 To 200, Deduct	-4.61	
		For >200, Deduct	-9.21	
		For 30 mils Thick, Deduct	-6.20	
		For 45 mils Thick, Add	3.10	
		For Enhanced Wet-Night Visibility, Add	2.05	
32 17 23 13-0054	EA	96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 94.50		
		For Up To 10, Add	9.28	
		For >50 To 100, Deduct	-4.64	
		For >100 To 200, Deduct	-6.19	
		For >200, Deduct	-12.37	
		For 30 mils Thick, Deduct	-8.16	
		For 45 mils Thick, Add	4.08	
		For Enhanced Wet-Night Visibility, Add	2.69	
32 17 23 13-0055	EA	120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking 149.51		
		For Up To 10, Add	11.50	
		For >50 To 100, Deduct	-5.75	
		For >100 To 200, Deduct	-7.67	
		For >200, Deduct	-15.33	
		For 30 mils Thick, Deduct	-18.21	
		For 45 mils Thick, Add	9.11	
		For Enhanced Wet-Night Visibility, Add	6.01	



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

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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.....	9.29	
			For 30 mils Thick, Deduct	-0.59	
			For 45 mils Thick, Add	0.29	
			For Enhanced Wet-Night Visibility, Add	0.19	
32 17 23 13-0057	SF		Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking.....	11.65	
			Note: Handicap, railroad, diamond, arrows, etc.		
			For 30 mils Thick, Deduct	-0.59	
			For 45 mils Thick, Add	0.29	
			For Enhanced Wet-Night Visibility, Add	0.19	
32 17 23 13-0058 Painted Reflective Pavement Marking (CALTRANS) (32 17 23 13)					
			Note: 20 to 25 mil thickness, per LF of detail.		
32 17 23 13-0059	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.29	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0060	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.47	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0061	LF		CALTRANS Detail 4 Centerline.....	1.10	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0062	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.28	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0063	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.48	
			For Up To 5,000 LF, Add	0.10	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0064	LF		CALTRANS Detail 7 Centerline.....	0.79	
			For Up To 5,000 LF, Add	0.16	
			For >25,000 LF, Deduct	-0.12	
32 17 23 13-0065	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.29	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0066	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.47	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0067	LF		CALTRANS Detail 10 Lanelines.....	1.10	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0068	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.28	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0069	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.47	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0070	LF		CALTRANS Detail 13 Lanelines.....	0.79	
			For Up To 5,000 LF, Add	0.16	
			For >25,000 LF, Deduct	-0.12	
32 17 23 13-0071	LF		CALTRANS Detail 14 Lanelines.....	0.79	
			For Up To 5,000 LF, Add	0.16	
			For >25,000 LF, Deduct	-0.12	
32 17 23 13-0072	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.47	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0073	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.38	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
			For Broken Line On One Side, Deduct	-0.05	
			For Double Broken Line, Deduct	-0.09	
32 17 23 13-0074	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	1.11	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0075	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	3.17	
			For Up To 5,000 LF, Add	0.63	
			For >25,000 LF, Deduct	-0.48	
32 17 23 13-0076	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.38	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
			For Broken Line On One Side, Deduct	-0.05	
			For Double Broken Line, Deduct	-0.09	
32 17 23 13-0077	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.93	
			For Up To 5,000 LF, Add	0.19	
			For >25,000 LF, Deduct	-0.14	
32 17 23 13-0078	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	2.67	
			For Up To 5,000 LF, Add	0.53	
			For >25,000 LF, Deduct	-0.40	
32 17 23 13-0079	LF		CALTRANS Detail 21 No Passing Zones-Two 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 13-0080	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	1.18	
			For Up To 5,000 LF, Add	0.24	
			For >25,000 LF, Deduct	-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 13-0081 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.78	
For Up To 5,000 LF, Add	0.76	
For >25,000 LF, Deduct	-0.57	
32 17 23 13-0082 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.36	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0083 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.54	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0084 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.72	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0085 LF CALTRANS Detail 26 Left Edgelines	0.18	
For Up To 5,000 LF, Add	0.04	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0086 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.63	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0087 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.36	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0088 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.28	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0089 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.89	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line On One Side, Deduct	-0.14	
For Double Broken Line, Deduct	-0.29	
32 17 23 13-0090 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.62	
For Up To 5,000 LF, Add	0.32	
For >25,000 LF, Deduct	-0.24	
32 17 23 13-0091 LF CALTRANS Detail 30 Median Islands	7.56	
For Up To 5,000 LF, Add	1.51	
For >25,000 LF, Deduct	-1.13	
32 17 23 13-0092 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.75	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
For Broken Line On One Side, Deduct	-0.09	
For Double Broken Line, Deduct	-0.18	
32 17 23 13-0093 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.66	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
32 17 23 13-0094 LF CALTRANS Detail 33 Two-Way Left Turn Lanes	5.18	
For Up To 5,000 LF, Add	1.04	
For >25,000 LF, Deduct	-0.78	
32 17 23 13-0095 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.93	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0096 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0097 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.12	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0098 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0099 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.85	
For Up To 5,000 LF, Add	0.37	
For >25,000 LF, Deduct	-0.28	
32 17 23 13-0100 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.19	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0101 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.27	
For Up To 5,000 LF, Add	0.25	
For >25,000 LF, Deduct	-0.19	
32 17 23 13-0102 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.18	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0103 LF CALTRANS Detail 37A Lane Drop At Exit Ramps	2.53	
For Up To 5,000 LF, Add	0.51	
For >25,000 LF, Deduct	-0.38	
32 17 23 13-0104 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.18	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
32 17 23 13-0105 LF CALTRANS Detail 37C Lane Drop At Intersections	2.53	
For Up To 5,000 LF, Add	0.51	
For >25,000 LF, Deduct	-0.38	
32 17 23 13-0106 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.09	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.16	
32 17 23 13-0107 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.72	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	



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

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0108	LF		CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	1.45	
			For Up To 5,000 LF, Add	0.29	
			For >25,000 LF, Deduct	-0.22	
32 17 23 13-0109	LF		CALTRANS Detail 38C Channelizing Line	3.78	
			For Up To 5,000 LF, Add	0.76	
			For >25,000 LF, Deduct	-0.57	
32 17 23 13-0110	LF		CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping.....	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0111	LF		CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping.....	0.35	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
32 17 23 13-0112	LF		CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.27	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0113	LF		CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.82	
			For Up To 5,000 LF, Add	0.36	
			For >25,000 LF, Deduct	-0.27	
32 17 23 13-0114	LF		CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.27	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0115	LF		CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.82	
			For Up To 5,000 LF, Add	0.36	
			For >25,000 LF, Deduct	-0.27	
32 17 23 13-0116	EA		CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	128.26	
			For <10, Add	16.81	
			For >50 To 100, Deduct	-8.41	
			For >100 To 200, Deduct	-11.21	
			For >200, Deduct	-22.41	
32 17 23 13-0117	EA		CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	225.02	
			For <10, Add	29.42	
			For >50 To 100, Deduct	-14.71	
			For >100 To 200, Deduct	-19.61	
			For >200, Deduct	-39.22	
32 17 23 13-0118	EA		CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	282.39	
			For <10, Add	36.98	
			For >50 To 100, Deduct	-18.49	
			For >100 To 200, Deduct	-24.66	
			For >200, Deduct	-49.31	
32 17 23 13-0119	EA		CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	410.65	
			For <10, Add	53.79	
			For >50 To 100, Deduct	-26.90	
			For >100 To 200, Deduct	-35.86	
			For >200, Deduct	-71.72	
32 17 23 13-0120	EA		CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	538.90	
			For <10, Add	70.60	
			For >50 To 100, Deduct	-35.30	
			For >100 To 200, Deduct	-47.07	
			For >200, Deduct	-94.14	
32 17 23 13-0121	EA		CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	379.16	
			For <10, Add	49.59	
			For >50 To 100, Deduct	-24.80	
			For >100 To 200, Deduct	-33.06	
			For >200, Deduct	-66.12	
32 17 23 13-0122	EA		CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	661.56	
			For <10, Add	86.57	
			For >50 To 100, Deduct	-43.29	
			For >100 To 200, Deduct	-57.72	
			For >200, Deduct	-115.43	
32 17 23 13-0123	EA		CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	135.01	
			For <10, Add	17.65	
			For >50 To 100, Deduct	-8.83	
			For >100 To 200, Deduct	-11.77	
			For >200, Deduct	-23.53	
32 17 23 13-0124	EA		CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	295.91	
			For <10, Add	38.66	
			For >50 To 100, Deduct	-19.33	
			For >100 To 200, Deduct	-25.78	
			For >200, Deduct	-51.55	
32 17 23 13-0125	EA		CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	379.16	
			For <10, Add	49.59	
			For >50 To 100, Deduct	-24.80	
			For >100 To 200, Deduct	-33.06	
			For >200, Deduct	-66.12	
32 17 23 13-0126	EA		CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	244.35	
			For <10, Add	31.94	
			For >50 To 100, Deduct	-15.97	
			For >100 To 200, Deduct	-21.29	
			For >200, Deduct	-42.59	
32 17 23 13-0127	EA		CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	321.79	
			For <10, Add	42.03	
			For >50 To 100, Deduct	-21.01	
			For >100 To 200, Deduct	-28.02	
			For >200, Deduct	-56.03	

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 13-0128 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	64.13	
For <10, Add	8.41	
For >50 To 100, Deduct	-4.20	
For >100 To 200, Deduct	-5.60	
For >200, Deduct	-11.21	
32 17 23 13-0129 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	613.26	
Note: Excludes variable width transverse lines.		
For <10, Add	79.85	
For >50 To 100, Deduct	-39.92	
For >100 To 200, Deduct	-53.23	
For >200, Deduct	-106.47	
32 17 23 13-0130 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	7.99	
32 17 23 13-0131 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	59.75	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.05	
For >50 To 100, Deduct	-3.03	
For >100 To 200, Deduct	-4.04	
For >200, Deduct	-8.07	
32 17 23 13-0132 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	63.28	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.39	
For >50 To 100, Deduct	-3.19	
For >100 To 200, Deduct	-4.26	
For >200, Deduct	-8.52	
32 17 23 13-0133 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	102.37	
For <10, Add	13.45	
For >50 To 100, Deduct	-6.72	
For >100 To 200, Deduct	-8.97	
For >200, Deduct	-17.93	
32 17 23 13-0134 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	208.14	
For <10, Add	27.23	
For >50 To 100, Deduct	-13.62	
For >100 To 200, Deduct	-18.16	
For >200, Deduct	-36.31	
32 17 23 13-0135 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	44.81	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.39	
For >50 To 100, Deduct	-3.19	
For >100 To 200, Deduct	-4.26	
For >200, Deduct	-8.52	
32 17 23 13-0136 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.10	
32 17 23 13-0137 SF CALTRANS Symbols, Painted Reflective Pavement Marking	9.01	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0138 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
Note: Includes primers. Per Coat.		
32 17 23 13-0139 Painted Pavement Marking For Parking Areas (32 17 23 13-0138)		
Note: 15 mil thickness.		
32 17 23 13-0140 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.30	
32 17 23 13-0141 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.41	
32 17 23 13-0142 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.51	
32 17 23 13-0143 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.69	
32 17 23 13-0144 SF Solid Area, Painted Pavement Marking For Parking Areas.....	6.92	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0145 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.91	
For Up To 10, Add	0.67	
For >50 To 100, Deduct	-0.34	
For >100 To 200, Deduct	-0.45	
For >200, Deduct	-0.90	
32 17 23 13-0146 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.27	
For Up To 10, Add	1.01	
For >50 To 100, Deduct	-0.50	
For >100 To 200, Deduct	-0.67	
For >200, Deduct	-1.34	
32 17 23 13-0147 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	13.93	
For Up To 10, Add	1.68	
For >50 To 100, Deduct	-0.84	
For >100 To 200, Deduct	-1.12	
For >200, Deduct	-2.24	
32 17 23 13-0148 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	26.07	
For Up To 10, Add	3.19	
For >50 To 100, Deduct	-1.60	
For >100 To 200, Deduct	-2.13	
For >200, Deduct	-4.26	
32 17 23 13-0149 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	34.63	
For Up To 10, Add	4.37	
For >50 To 100, Deduct	-2.19	
For >100 To 200, Deduct	-2.91	
For >200, Deduct	-5.83	
32 17 23 13-0150 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	42.07	
For Up To 10, Add	5.38	
For >50 To 100, Deduct	-2.69	
For >100 To 200, Deduct	-3.59	
For >200, Deduct	-7.17	



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

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0151	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	56.17	
			For Up To 10, Add	6.72	
			For >50 To 100, Deduct	-3.36	
			For >100 To 200, Deduct	-4.48	
			For >200, Deduct	-8.97	
32 17 23 13-0152	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas	99.46	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0153	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas	113.43	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0154	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	160.67	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0155	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	163.89	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0156	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	213.40	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0157	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	40.87	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	29.90	
			For Blue Background With White Symbol And Border, Add	37.37	
32 17 23 13-0158	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	59.47	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	60.78	
			For Blue Background With White Symbol And Border, Add	75.98	
32 17 23 13-0159			Painted Curbs (32 17 23 13) Note: All colors.		
32 17 23 13-0160	LF		Reflective Painted Curb	3.78	
32 17 23 13-0161	LF		Reflective Painted Curb And Gutter	7.16	
32 17 23 13-0162	LF		Painted Curb	3.06	
32 17 23 13-0163	LF		Painted Curb And Gutter	6.53	
32 17 23 13-0164			Markings For Outdoor Play Areas, Courts (32 17 23 13) 2" Wide Marking For Outdoor Play Areas	1.09	
	LF		3" Wide Marking For Outdoor Play Areas	1.24	
	LF		4" Wide Marking For Outdoor Play Areas	1.40	
	LF		6" Wide Marking For Outdoor Play Areas	1.64	
32 17 23 13-0169	EA		Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	379.37	
32 17 23 23			Raised Pavement Markings (32 17 23) 32 17 23 23-0001 Raised Pavement Markers (RPMs) (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)	8.29	2.82
			Note: Type G, H or R		
			For >100, Deduct	-0.83	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM)	8.81	2.82
			Note: Type B, C, D, AC, RA or RR		
			For >100, Deduct	-0.88	
32 17 23 23-0004	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.94	2.82
			For >100, Deduct	-1.09	
32 17 23 23-0005	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	7.61	2.82
			Note: Type A or AY		
			For >100, Deduct	-0.76	
32 17 23 23-0006			Snowplowable Pavement Markers (32 17 23 23) 32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail	81.55	34.36
			Note: Type G, H or R		
32 17 23 23-0008	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	82.00	34.36
			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	23.82	
32 17 23 23-0010	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	30.00	
32 17 23 33			Plastic Pavement Markings (32 17 23) 32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33) Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.		
32 17 23 33-0002			Thermoplastic Reflective Pavement Marking (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	1.50	
			For Up To 5,000 LF, Add	0.30	
			For >25,000 LF, Deduct	-0.23	
			For Enhanced Wet-Night Visibility, Add	0.06	
			For 60 mils Thick, Deduct	-0.20	
			For 125 mils Thick, Add	0.26	
			For Broken Line (25% Solid), Deduct	-0.87	

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 33-0004	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.14 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.43	
			For >25,000 LF, Deduct	-0.32	
			For Enhanced Wet-Night Visibility, Add	0.08	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
			For Broken Line (25% Solid), Deduct	-1.30	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.84 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.57	
			For >25,000 LF, Deduct	-0.43	
			For Enhanced Wet-Night Visibility, Add	0.11	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line (25% Solid), Deduct	-1.73	
32 17 23 33-0006	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....4.15 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For Enhanced Wet-Night Visibility, Add	0.16	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line (25% Solid), Deduct	-2.60	
32 17 23 33-0007	LF		Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.82 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.56	
			For >25,000 LF, Deduct	-0.42	
			For Enhanced Wet-Night Visibility, Add	0.11	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
			For Broken Line On One Side, Deduct	-0.87	
			For Double Broken Line, Deduct	-1.73	
32 17 23 33-0008	LF		Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....4.15 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.83	
			For >25,000 LF, Deduct	-0.62	
			For Enhanced Wet-Night Visibility, Add	0.16	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
			For Broken Line On One Side, Deduct	-1.30	
			For Double Broken Line, Deduct	-2.60	
32 17 23 33-0009	SF		Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....10.17 Note: Includes yellow or white.		
			For Enhanced Wet-Night Visibility, Add	0.16	
			For 60 mils Thick, Deduct	-0.60	
			For 125 mils Thick, Add	0.78	
32 17 23 33-0010	EA		6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....6.76 For Up To 10, Add	0.76	
			For >50 To 100, Deduct	-0.38	
			For >100 To 200, Deduct	-0.50	
			For >200, Deduct	-1.01	
			For Enhanced Wet-Night Visibility, Add	0.08	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
32 17 23 33-0011	EA		12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....13.86 For Up To 10, Add	1.14	
			For >50 To 100, Deduct	-0.57	
			For >100 To 200, Deduct	-0.76	
			For >200, Deduct	-1.52	
			For Enhanced Wet-Night Visibility, Add	0.30	
			For 60 mils Thick, Deduct	-1.09	
			For 125 mils Thick, Add	1.40	
32 17 23 33-0012	EA		24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....23.58 For Up To 10, Add	1.90	
			For >50 To 100, Deduct	-0.95	
			For >100 To 200, Deduct	-1.27	
			For >200, Deduct	-2.53	
			For Enhanced Wet-Night Visibility, Add	0.52	
			For 60 mils Thick, Deduct	-1.91	
			For 125 mils Thick, Add	2.46	
32 17 23 33-0013	EA		36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....44.63 For Up To 10, Add	3.82	
			For >50 To 100, Deduct	-1.91	
			For >100 To 200, Deduct	-2.54	
			For >200, Deduct	-5.09	
			For Enhanced Wet-Night Visibility, Add	0.91	
			For 60 mils Thick, Deduct	-3.36	
			For 125 mils Thick, Add	4.32	
32 17 23 33-0014	EA		48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....53.42 For Up To 10, Add	4.27	
			For >50 To 100, Deduct	-2.14	
			For >100 To 200, Deduct	-2.85	
			For >200, Deduct	-5.69	
			For Enhanced Wet-Night Visibility, Add	1.19	
			For 60 mils Thick, Deduct	-4.37	
			For 125 mils Thick, Add	5.61	



Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
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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	96.24	
			For Up To 10, Add	7.60	
			For >50 To 100, Deduct	-3.80	
			For >100 To 200, Deduct	-5.07	
			For >200, Deduct	-10.13	
			For Enhanced Wet-Night Visibility, Add	2.17	
			For 60 mils Thick, Deduct	-7.98	
			For 125 mils Thick, Add	10.26	
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	128.00	
			For Up To 10, Add	10.20	
			For >50 To 100, Deduct	-5.10	
			For >100 To 200, Deduct	-6.80	
			For >200, Deduct	-13.60	
			For Enhanced Wet-Night Visibility, Add	2.85	
			For 60 mils Thick, Deduct	-10.50	
			For 125 mils Thick, Add	13.50	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	218.14	
			For Up To 10, Add	12.64	
			For >50 To 100, Deduct	-6.32	
			For >100 To 200, Deduct	-8.43	
			For >200, Deduct	-16.85	
			For Enhanced Wet-Night Visibility, Add	6.36	
			For 60 mils Thick, Deduct	-23.43	
			For 125 mils Thick, Add	30.12	
32 17 23 33-0018	SF		Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.94	
			For Enhanced Wet-Night Visibility, Add	0.21	
			For 60 mils Thick, Deduct	-0.76	
			For 125 mils Thick, Add	0.97	
32 17 23 33-0019	SY		Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	35.77	
			Note: Per SY of area.		
			For Enhanced Wet-Night Visibility, Add	0.37	
			For 60 mils Thick, Deduct	-1.36	
			For 125 mils Thick, Add	1.75	
32 17 23 33-0020	EA		Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	313.26	
			For Enhanced Wet-Night Visibility, Add	4.72	
			For 60 mils Thick, Deduct	-17.38	
			For 125 mils Thick, Add	22.35	
32 17 23 33-0021	EA		Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	929.87	
			For Enhanced Wet-Night Visibility, Add	14.36	
			For 60 mils Thick, Deduct	-52.90	
			For 125 mils Thick, Add	68.02	
32 17 23 33-0022	EA		Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	181.64	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For Enhanced Wet-Night Visibility, Add	6.50	
			For 60 mils Thick, Deduct	-23.94	
			For 125 mils Thick, Add	30.78	
32 17 23 33-0023	EA		Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	149.82	
			For Enhanced Wet-Night Visibility, Add	2.26	
			For 60 mils Thick, Deduct	-8.31	
			For 125 mils Thick, Add	10.69	
32 17 23 33-0024	SF		Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.62	
			Note: Handicap, railroad, diamond, arrows, etc.		
			For Enhanced Wet-Night Visibility, Add	0.21	
			For 60 mils Thick, Deduct	-0.76	
			For 125 mils Thick, Add	0.97	
32 17 23 33-0025	EA		10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	190.68	
			For Enhanced Wet-Night Visibility, Add	2.87	
			For 60 mils Thick, Deduct	-10.58	
			For 125 mils Thick, Add	13.60	
32 17 23 33-0026	EA		18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	340.50	
			For Enhanced Wet-Night Visibility, Add	5.13	
			For 60 mils Thick, Deduct	-18.89	
			For 125 mils Thick, Add	24.29	
32 17 23 33-0027	EA		24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	422.23	
			For Enhanced Wet-Night Visibility, Add	6.36	
			For 60 mils Thick, Deduct	-23.43	
			For 125 mils Thick, Add	30.12	
32 17 23 33-0028	EA		24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	612.91	
			For Enhanced Wet-Night Visibility, Add	9.23	
			For 60 mils Thick, Deduct	-34.01	
			For 125 mils Thick, Add	43.72	
32 17 23 33-0029	EA		24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	803.59	
			For Enhanced Wet-Night Visibility, Add	12.10	
			For 60 mils Thick, Deduct	-44.59	
			For 125 mils Thick, Add	57.33	
32 17 23 33-0030	EA		24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	572.05	
			For Enhanced Wet-Night Visibility, Add	8.62	
			For 60 mils Thick, Deduct	-31.74	
			For 125 mils Thick, Add	40.81	
32 17 23 33-0031	EA		24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	994.27	
			For Enhanced Wet-Night Visibility, Add	14.97	
			For 60 mils Thick, Deduct	-55.17	
			For 125 mils Thick, Add	70.93	
32 17 23 33-0032	EA		8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	204.31	
			For Enhanced Wet-Night Visibility, Add	3.08	
			For 60 mils Thick, Deduct	-11.34	
			For 125 mils Thick, Add	14.58	

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 33-0033	EA		24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	449.46	
			For Enhanced Wet-Night Visibility, Add	6.77	
			For 60 mils Thick, Deduct	-24.94	
			For 125 mils Thick, Add	32.06	
32 17 23 33-0034	EA		18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	572.05	
			For Enhanced Wet-Night Visibility, Add	8.62	
			For 60 mils Thick, Deduct	-31.74	
			For 125 mils Thick, Add	40.81	
32 17 23 33-0035	EA		13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	367.75	
			For Enhanced Wet-Night Visibility, Add	5.54	
			For 60 mils Thick, Deduct	-20.41	
			For 125 mils Thick, Add	26.24	
32 17 23 33-0036	EA		15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	490.32	
			For Enhanced Wet-Night Visibility, Add	7.38	
			For 60 mils Thick, Deduct	-27.21	
			For 125 mils Thick, Add	34.98	
32 17 23 33-0037	EA		5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	95.35	
			For Enhanced Wet-Night Visibility, Add	1.44	
			For 60 mils Thick, Deduct	-5.29	
			For 125 mils Thick, Add	6.80	
32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)					
32 17 23 33-0039	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.53	
			For Enhanced Wet-Night Visibility, Add	0.06	
			For 60 mils Thick, Deduct	-0.20	
			For 125 mils Thick, Add	0.26	
32 17 23 33-0040	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.43	
			For Enhanced Wet-Night Visibility, Add	0.08	
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
32 17 23 33-0041	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.46	
			For Enhanced Wet-Night Visibility, Add	0.11	
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
32 17 23 33-0042	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.83	
			For Enhanced Wet-Night Visibility, Add	0.16	
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
32 17 23 33-0043	LF		Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	14.03	
			For Enhanced Wet-Night Visibility, Add	0.33	
			For 60 mils Thick, Deduct	-1.21	
			For 125 mils Thick, Add	1.56	
32 17 23 33-0044 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape (32 17 23 33-0001)					
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).					
32 17 23 33-0045	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	3.19	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.64	
			For >25,000 LF, Deduct	-0.48	
32 17 23 33-0046	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	4.71	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.94	
			For >25,000 LF, Deduct	-0.71	
32 17 23 33-0047	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	6.26	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	1.25	
			For >25,000 LF, Deduct	-0.94	
32 17 23 33-0048	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	9.28	
			Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	1.86	
			For >25,000 LF, Deduct	-1.39	
32 17 23 33-0049	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape	26.45	
			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	39.21	
			For <10, Add	1.38	
			For >50 To 100, Deduct	-0.69	
			For >100 To 200, Deduct	-0.92	
			For >200, Deduct	-1.84	
32 17 23 33-0051	EA		12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	68.78	
			For <10, Add	1.75	
			For >50 To 100, Deduct	-0.87	
			For >100 To 200, Deduct	-1.17	
			For >200, Deduct	-2.33	
32 17 23 33-0052	EA		24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	118.46	
			For <10, Add	3.46	
			For >50 To 100, Deduct	-1.73	
			For >100 To 200, Deduct	-2.31	
			For >200, Deduct	-4.62	
32 17 23 33-0053	EA		36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	172.25	
			For <10, Add	6.93	
			For >50 To 100, Deduct	-3.46	
			For >100 To 200, Deduct	-4.62	
			For >200, Deduct	-9.23	



Exterior Improvements			32
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054	EA		48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	201.68	
			For <10, Add	7.77	
			For >50 To 100, Deduct	-3.88	
			For >100 To 200, Deduct	-5.18	
			For >200, Deduct	-10.36	
32 17 23 33-0055	EA		72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	260.61	
			For <10, Add	13.82	
			For >50 To 100, Deduct	-6.91	
			For >100 To 200, Deduct	-9.21	
			For >200, Deduct	-18.42	
32 17 23 33-0056	EA		96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	332.88	
			For <10, Add	18.56	
			For >50 To 100, Deduct	-9.28	
			For >100 To 200, Deduct	-12.37	
			For >200, Deduct	-24.74	
32 17 23 33-0057	EA		120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	417.08	
			For <10, Add	23.00	
			For >50 To 100, Deduct	-11.50	
			For >100 To 200, Deduct	-15.33	
			For >200, Deduct	-30.66	
32 17 23 33-0058	SF		Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	27.35	
32 17 23 33-0059	SF		Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	29.03	
			Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0060			Preformed, Thermoplastic Reflective Pavement Marking Tape (32 17 23 33-0001)		
			Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061	EA		Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	414.43	
			Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0062	EA		Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	1,098.83	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0063	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	220.64	
			Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0064	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	186.98	
			Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0065	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	361.12	
			Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0066	EA		4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	216.28	
			Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0067	EA		8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	401.77	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0068	EA		Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	685.12	
			Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0069	EA		Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	1,030.34	
			Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0070	EA		Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	372.10	
			Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0071	EA		Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	412.75	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0072	EA		Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	758.26	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0073	EA		Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	697.45	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0074	EA		Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	700.81	
			Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0075	EA		Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	961.92	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0076			Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
			(32 17 23 33)		
32 17 23 33-0077			Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0076)		
			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.....	141.97	
			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.....	528.80	
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.....	300.40	
			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.....	360.57	
			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.....	377.85	
32 17 26			Tactile Warning Surfaces (32 17)		
32 17 26 00-0001			Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)		
			Note: Truncated dome, raised strips or directional bars. All colors.		

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 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface.....	71.48	10.95
			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.....	57.26	10.95
			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.....	417.99	
32 17 26 00-0005	LF		24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	102.40	21.88

32 17 26 00-0006 Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep 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)	85.01	10.95
			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)	75.16	10.95
			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	25.52	2.57
			For Manufacturer's Standard Colors, Add	1.60	
			For Interlocking Tiles, Add	3.57	
			For Mechanically Fastened, Add	1.94	
			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.....	26.00	2.72
			For Manufacturer's Standard Colors, Add	1.60	
			For Interlocking Tiles, Add	3.57	
			For Mechanically Fastened, Add	2.03	
			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	26.97	3.04
			For Manufacturer's Standard Colors, Add	1.60	
			For Interlocking Tiles, Add	3.57	
			For Mechanically Fastened, Add	2.23	
			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	27.93	3.36
			For Manufacturer's Standard Colors, Add	1.60	
			For Interlocking Tiles, Add	3.57	
			For Mechanically Fastened, Add	2.42	
			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	31.19	3.68
			For Manufacturer's Standard Colors, Add	1.21	
			For Interlocking Tiles, Add	4.03	
			For Mechanically Fastened, Add	2.61	
			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.....	32.25	4.03
			For Manufacturer's Standard Colors, Add	1.21	
			For Interlocking Tiles, Add	4.03	
			For Mechanically Fastened, Add	2.82	
			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	33.36	4.40
			For Manufacturer's Standard Colors, Add	1.21	
			For Interlocking Tiles, Add	4.03	
			For Mechanically Fastened, Add	3.04	
			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	36.71	4.71
			For Manufacturer's Standard Colors, Add	0.67	
			For Interlocking Tiles, Add	4.50	
			For Mechanically Fastened, Add	3.25	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010	SF		4" Thick, Resilient Rubber Tile Playground Surfacing	37.67	5.09
			For Manufacturer's Standard Colors, Add	0.67	
			For Interlocking Tiles, Add	4.50	
			For Mechanically Fastened, Add	3.44	
			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.....	38.73	5.38
			For Manufacturer's Standard Colors, Add	0.67	
			For Interlocking Tiles, Add	4.50	
			For Mechanically Fastened, Add	3.65	
			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	44.62	6.06
			For Manufacturer's Standard Colors, Add	0.66	
			For Interlocking Tiles, Add	5.27	
			For Mechanically Fastened, Add	4.05	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0013			Loose Laid Playground Surface Material (32 18 16 13) Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Playground Surfacing	1.82	0.39
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Playground Surfacing	2.41	0.48
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Playground Surfacing	3.09	0.58
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Playground Surfacing	4.35	0.87
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.72	0.39
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.36	0.48
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.15	0.58
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.43	0.87
32 18 16 13-0022	SF		8" FIBAR System Playground Surfacing	10.92	1.45
			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	13.91	1.93
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024			Poured In Place Playground Surfacing (32 18 16 13) 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	20.24	2.97
			For Up To 2,000, Add	4.02	
			For >2,000 To 3,000, Add	2.83	
			For >3,000 To 4,000, Add	1.93	
			For >4,000 To 5,000, Add	1.23	
			For >5,000 To 7,000, Add	0.51	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0026	SF		2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.88	3.29
			For Up To 2,000, Add	4.15	
			For >2,000 To 3,000, Add	2.92	
			For >3,000 To 4,000, Add	1.99	
			For >4,000 To 5,000, Add	1.27	
			For >5,000 To 7,000, Add	0.53	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0027	SF		2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	22.54	3.76
			For Up To 2,000, Add	4.47	
			For >2,000 To 3,000, Add	3.16	
			For >3,000 To 4,000, Add	2.15	
			For >4,000 To 5,000, Add	1.37	
			For >5,000 To 7,000, Add	0.57	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0028	SF		3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.35	4.00
			For Up To 2,000, Add	4.83	
			For >2,000 To 3,000, Add	3.41	
			For >3,000 To 4,000, Add	2.32	
			For >4,000 To 5,000, Add	1.48	
			For >5,000 To 7,000, Add	0.62	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0029	SF		3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.14	4.21
			For Up To 2,000, Add	5.19	
			For >2,000 To 3,000, Add	3.66	
			For >3,000 To 4,000, Add	2.49	
			For >4,000 To 5,000, Add	1.59	
			For >5,000 To 7,000, Add	0.66	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0030	SF		4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.68	4.45
			For Up To 2,000, Add	5.49	
			For >2,000 To 3,000, Add	3.87	
			For >3,000 To 4,000, Add	2.64	
			For >4,000 To 5,000, Add	1.69	
			For >5,000 To 7,000, Add	0.70	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0031	SF		4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	29.48	4.70
			For Up To 2,000, Add	5.85	
			For >2,000 To 3,000, Add	4.13	
			For >3,000 To 4,000, Add	2.81	
			For >4,000 To 5,000, Add	1.80	
			For >5,000 To 7,000, Add	0.75	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0032	SF		5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	33.07	5.26
			For Up To 2,000, Add	6.56	
			For >2,000 To 3,000, Add	4.63	
			For >3,000 To 4,000, Add	3.15	
			For >4,000 To 5,000, Add	2.01	
			For >5,000 To 7,000, Add	0.84	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	

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 16 13-0033	SF		1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	13.22	
			For Up To 2,000, Add	3.95	
			For >2,000 To 3,000, Add	2.56	
			For >3,000 To 4,000, Add	1.56	
			For >4,000 To 5,000, Add	0.94	
			For >5,000 To 7,000, Add	0.43	
			For Aliphatic (Non-Yellowing) Binder, Add	4.41	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
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	2,920.42	
32 18 16 13-0035			Synthetic Playground Turf (Sporturf) (32 18 16 13) 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).....	10.83	
32 18 16 13-0037	SF		71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	9.52	
32 18 16 13-0038	SF		2" Foam Padding (Sporturf)	6.14	
32 18 16 13-0039	CF		Sand/Rubber Infill (Sporturf)	57.41	
32 18 23			Athletic Surfacing (32 18)		
32 18 23 13			Baseball Field Surfacing (32 18 23)		
32 18 23 13-0001			Clay Infield Maintenance (32 18 23 13)		
32 18 23 13-0002	MSF		Playing Field Maintenance (Clay - Nail Drag)	12.29	
32 18 23 13-0003	MSF		Playing Field Maintenance (Clay - Screen Drag)	12.29	
32 18 23 13-0004	CY		Playing Field Maintenance Of Clay	111.50	
32 18 23 13-0005	Ton		Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix).....	187.89	
32 18 23 23			Field Sport Surfacing (32 18 23)		
32 18 23 23-0001			Turf Field Maintenance (32 18 23 23)		
32 18 23 23-0002	ACR		Turf Aeration (Minimum 6" Penetration).....	165.39	
32 18 23 23-0003	MSF		Top Dressing 1/8" - 1/4" Sand	15.73	
32 18 23 23-0004	BAG		Envirofill, 50 Lb. Bag	124.15	
32 18 23 29			Synthetic Field Sport Surfacing (32 18 23)		
32 18 23 29-0001			Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002			Synthetic Turf (AstroTurf) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
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)		
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)	8.52	
			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	28,277.14	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,048.54	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields	6,935.90	
			Note: Per sport.		
32 18 23 29-0009	EA		End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	2,560.95	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields	2,454.24	
			Note: Per end zone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	21,341.24	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	30,944.80	
			Note: Graphic.		
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)		
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)	9.81	
			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	28,810.85	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,902.33	



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

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MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	7,469.48			
		Note: Per sport.				
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,774.38			
		Note: Per letter. Excludes outline.				
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,560.96			
		Note: Per end zone.				
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	22,408.44			
		Note: Block letter.				
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	32,492.23			
		Note: Graphic.				
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf				
		(AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)				
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).....	10.00			
		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 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	29,344.38			
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	25,823.06			
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	8,003.01			
		Note: Per sport.				
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,987.79			
		Note: Per letter. Excludes outline.				
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,667.67			
		Note: Per end zone.				
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	23,475.50			
		Note: Block letter.				
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	34,039.48			
		Note: Graphic.				
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone				
		(AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)				
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With				
		Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)				
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).....	11.20			
		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 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	30,411.27			
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	32,438.68			
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	9,070.03			
		Note: Per sport.				
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	3,414.60			
		Note: Per letter. Excludes outline.				
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	2,881.07			
		Note: Per end zone.				
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	25,609.49			
		Note: Block letter.				
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	37,133.76			
		Note: Graphic.				
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With				
		Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)				
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).....	11.59			
		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 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	30,944.80			
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	36,066.70			
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	9,603.56			
		Note: Per sport.				
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	3,628.01			
		Note: Per letter. Excludes outline.				
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	2,987.77			
		Note: Per end zone.				
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	26,676.55			
		Note: Block letter.				
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	38,681.00			
		Note: Graphic.				

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

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 18 23 29-0050	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <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).....	11.61		
	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.....	31,478.33		
32 18 23 29-0053	EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	36,280.11		
32 18 23 29-0054	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	10,137.09		
	Note: Per sport.			
32 18 23 29-0055	EA End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	3,841.42		
	Note: Per letter. Excludes outline.			
32 18 23 29-0056	EA Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	3,094.48		
	Note: Per end zone.			
32 18 23 29-0057	EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	27,743.61		
	Note: Block letter.			
32 18 23 29-0058	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	40,228.24		
	Note: Graphic.			
32 18 23 29-0059	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <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).....	11.84		
	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.....	32,011.86		
32 18 23 29-0062	EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	38,627.64		
32 18 23 29-0063	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	10,670.62		
	Note: Per sport.			
32 18 23 29-0064	EA End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	4,268.25		
	Note: Per letter. Excludes outline.			
32 18 23 29-0065	EA Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	3,201.19		
	Note: Per end zone.			
32 18 23 29-0066	EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	28,810.67		
	Note: Block letter.			
32 18 23 29-0067	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	41,775.48		
	Note: Graphic.			
32 18 23 29-0068	Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>			
32 18 23 29-0069	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <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).....	9.42		
	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.....	27,210.24		
32 18 23 29-0072	EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	20,060.89		
32 18 23 29-0073	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	5,868.88		
	Note: Per sport.			
32 18 23 29-0074	EA End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,134.14		
	Note: Per letter. Excludes outline.			
32 18 23 29-0075	EA Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,240.84		
	Note: Per end zone.			
32 18 23 29-0076	EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	19,207.23		
	Note: Block letter.			
32 18 23 29-0077	EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	27,850.49		
	Note: Graphic.			
32 18 23 29-0078	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) <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).....	8.26		
	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.....	27,743.61		
32 18 23 29-0081	EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	21,341.24		
32 18 23 29-0082	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	6,402.37		
	Note: Per sport.			



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Bases, Ballasts, and Paving			32 10
Athletic and Recreational Surfacing			32 18

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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.	2,347.54	
32 18 23 29-0084	EA		Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per end zone.	2,347.54	
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,274.18	
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	29,397.56	
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)					
32 18 23 29-0088	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	18.68	
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	16.72	
32 18 23 29-0090	EA		Football Markings For AstroTurf® PureGrass® Fields	52,652.55	
32 18 23 29-0091	EA		Baseball Markings For AstroTurf® PureGrass® Fields	62,553.03	
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,300.74	
32 18 23 29-0093	EA		End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,850.28	
32 18 23 29-0094	EA		Colored End Zone For AstroTurf® PureGrass® Fields..... Note: Per end zone.	4,342.48	
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields..... Note: Block letter.	39,082.31	
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	57,377.78	
32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)					
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)	10.26	
Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.				-0.92	
For >35,000, Deduct					
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).....	10.16	
Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.				-0.91	
For >35,000, Deduct					
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).....	10.62	
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 Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	72,806.55	
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0103	EA		Boys Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0104	EA		Girls Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0105	EA		Field Hockey Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0106	EA		End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,640.33	
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41	
32 18 23 29-0108	SF		Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.90	
32 18 23 29-0109	SF		Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.54	
32 18 23 29-0110	SF		Sand Infill For G9 Synthetic Turf.....	1.28	
32 18 23 29-0111	SF		Acrylic Coated Sand Infill For G9 Synthetic Turf.....	2.10	
32 18 23 29-0112	EA		Gmax Compaction And Hardness Test For G9 Synthetic Turf	2,426.88	
Note: Includes a comprehensive report.					
32 18 23 29-0113	EA		Safety Bridge Over Track For G9 Synthetic Turf	24,268.85	
32 18 23 29-0114	SF		Clean And Groom Synthetic Turf	0.80	
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.				-0.32	
For >10,000 To 30,000, Deduct				-0.56	
For >30,000 To 60,000, Deduct				-0.61	
For >60,000, Deduct					
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill..... 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.	5.44	
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill..... 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.	6.05	
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf	4.96	
Note: Used for drainage over asphalt or on rooftops.					
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf	3.05	
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	4,836.60	
Note: Includes field inspection and report.					
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf	13.30	
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.....	5.32	
32 18 23 29-0122	SF		Removal And Recycling Of Existing Field..... Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.75	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 33 Running Track Surfacing (32 18 23)

32 18 23 33-0001	Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002	SY 2-1/2" Asphaltic Concrete Running Track Surfacing	34.26	
32 18 23 33-0003	Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004	SY 1 Seal Coat, Striping Of Track	21.18	
	Note: Includes certification.		

32 18 23 39 Synthetic Running Track Surfacing (32 18 23)

32 18 23 39-0001	Synthetic Running Track Surfacing And Striping (32 18 23 39)		
	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	85.33	7.47
	For >5,500, Deduct	-6.70	
	For Up To 4,000, Add	21.30	
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	107.21	7.47
	For >5,500, Deduct	-8.99	
	For Up To 4,000, Add	28.59	
	For Custom Color Upgrade, Add	7.76	
	For Aliphatic Top Coating, Add	14.70	
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	175.56	7.47
	For >5,500, Deduct	-8.24	
	For Up To 4,000, Add	48.05	
	For Custom Color Upgrade, Add	10.57	
	For Aliphatic Top Coating, Add	19.63	
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	228.14	7.47
	For >5,500, Deduct	-10.64	
	For Up To 4,000, Add	62.07	
	For Custom Color Upgrade, Add	13.83	
	For Aliphatic Top Coating, Add	20.22	
32 18 23 39-0006	SY Latex Binder, Synthetic Running Track Surfacing	78.01	
	For >5,500, Deduct	-11.31	
	For Up To 4,000, Add	27.30	
32 18 23 39-0007	SY Spray Retop Running Tracks	68.52	
	For Up To 4,000, Add	23.98	
	For >5,500, Deduct	-6.70	
32 18 23 39-0008	SY Sandwich Retop Running Tracks	132.64	
	For Up To 4,000, Add	46.42	
	For >5,500, Deduct	-13.98	

32 18 23 53 Tennis Court Surfacing (32 18 23)

32 18 23 53-0001	Tennis Court Surfacing (32 18 23 53)		
	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	34.85	

32 18 23 53-0003 Tennis Court Markings (32 18 23 53)

32 18 23 53-0004	EA Paint Markings On Asphalt Tennis Court 2 Coats	633.79	
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32 18 23 56 Natural Tennis Court Surfacing (32 18 23)

32 18 23 56-0001	SY Clay Tennis Court	47.94	
32 18 23 56-0002	SY Tennis Court, Pulverized Natural Greenstone, Fast Dry	53.27	
	Note: Includes 4" base.		
32 18 23 56-0003	SY Tennis Court, Rubber-Cork Base Resilient Pavement	21.56	
32 18 23 56-0004	SY Resurface Clay Tennis Court	14.19	
32 18 23 56-0005	SY Resurface Tennis Court, Pulverized Natural Greenstone	12.09	
32 18 23 56-0006	SY Resurface Tennis Court, Resilient Pavement	9.07	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)

32 18 23 61-0001	100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61)		
	Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002	Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003	SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat	1.60	
	Note: Includes ultra fine silica sand. Applied with rubber squeegee.		



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

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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.....	0.80	
			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.....	2.05	
			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.....	91.07	
			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.		
32 18 23 61-0007			Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
			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.....	3.28	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	1.18	
			For US Open Blue, Add	1.83	
32 18 23 61-0009	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	2.68	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.85	
			For US Open Blue, Add	1.31	
32 18 23 61-0010	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.34	
			Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.66	
			For US Open Blue, Add	1.02	
32 18 23 61-0011	SY		Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.33	
			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	0.79	
			For US Open Or Australian Open Blue, Add	1.29	
			For Pro Purple, Add	2.22	
32 18 23 61-0012			Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
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®).....	1.57	
			Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014			Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0015	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	4.98	
			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.....	6.76	
			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.....	5.83	
			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.....	4.39	
			Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	3.38	
			Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020			Resurface Athletic Court (32 18 23 61)		
			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).....	2.79	

END OF SECTION 32

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



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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

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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 ⁽⁵⁰⁾

Note: Use as directed by owner only.

50 89 80 CALTRANS Construction Performance Requirements ^(50 89)

Note: Refer to www.dot.ca.gov for CALTRANS Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS ^(50 89 81)

50 89 81 01 PAYMENT ^(50 89 81)

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, specialty 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 specialty 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 ^(50 89 82)

50 89 82 12 TEMPORARY TRAFFIC CONTROL ^(50 89 82)

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN	1,698.11
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE	46.05
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE	13.00
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE	89.30
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	80.57
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.54
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.46
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.57
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.77
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED)	32.44
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	71.93
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR	25.53
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS	38.83
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE)	47.27
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.54
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	2,990.92
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	716.50

50 89 82 13 WATER POLLUTION CONTROL ^(50 89 82)

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	568.32
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	504.04
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,255.36
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	6.37
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	951.09
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.28
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	0.91
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.48
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	13.97
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.34
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	0.91
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.57
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.56
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	88.19
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	8.82
Note: 12" Diameter, Type 1			
For >1,000 To 10,000, Deduct			-0.98
For >10,000, Deduct			-1.66
For 9" Diameter, Deduct			-1.08
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	6.94
Note: 12" Diameter, Type 2			
For >1,000 To 10,000, Deduct			-0.70
For >10,000, Deduct			-1.19
For 9" Diameter, Deduct			-1.08
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	14.77
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.24
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	2.93
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	5.28
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	1,597.48
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	39.33
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	504.04
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	780.80
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	837.76

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

50 89 83 CALTRANS DIVISION III - GRADING (50 89 80)

50 89 83 17 GENERAL (50 89 83)

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).....13,865.01

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

50 89 83 19 EARTHWORK (50 89 83)

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	23.14	
		For >1,000, Deduct	-3.47	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION	37.60	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING	121.07	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)	67.68	914.04
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)	102.47	322.12
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING.....	36.52	
		For Up To 8, Add	7.30	
		For >8 To 16, Add	3.65	
		For >16 To 64, Deduct	-2.70	
		For >64 To 96, Deduct	-4.53	
		For >96, Deduct	-6.35	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)	67.68	914.04
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL.....	257.33	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY)	66.60	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON)	93.25	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1.....	6.07	
		For Up To 50, Add	1.27	
		For >50 To 150, Add	0.95	
		For >150 To 250, Add	0.63	
		For >250 To 500, Add	0.31	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2.....	2.51	
		For Up To 50, Add	0.55	
		For >50 To 150, Add	0.41	
		For >150 To 250, Add	0.27	
		For >250 To 500, Add	0.13	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1.....	7.07	
		For Up To 50, Add	1.47	
		For >50 To 150, Add	1.10	
		For >150 To 250, Add	0.73	
		For >250 To 500, Add	0.36	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2.....	3.44	
		For Up To 50, Add	0.73	
		For >50 To 150, Add	0.55	
		For >150 To 250, Add	0.36	
		For >250 To 500, Add	0.18	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3.....	3.23	
		For Up To 50, Add	0.70	
		For >50 To 150, Add	0.52	
		For >150 To 250, Add	0.34	
		For >250 To 500, Add	0.17	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID	5.43	
		For Up To 50, Add	1.20	
		For >50 To 150, Add	0.89	
		For >150 To 250, Add	0.58	
		For >250 To 500, Add	0.29	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT	2.27	

50 89 83 20 LANDSCAPE (50 89 83)

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	16.48	
		For >5,000, Deduct	-2.19	
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION.....	0.69	
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION	3.06	
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB).....	8.03	
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT.....	125.17	
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY	1,198.31	
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER	1,198.31	
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER	1,480.68	
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER.....	8.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0010	EA		CALTRANS 202038 PACKET FERTILIZER.....	1.23	
50 89 83 20-0011	LB		CALTRANS 202039 SLOW-RELEASE FERTILIZER.....	4.20	
50 89 83 20-0012	EA		CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B).....	472.71	
50 89 83 20-0013	EA		CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B).....	881.62	
50 89 83 20-0014	EA		CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B).....	1,372.06	
50 89 83 20-0015	EA		CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B).....	2,144.78	
50 89 83 20-0016	EA		CALTRANS 204005 PLANT (GROUP E).....	4.71	
			For >100 To 1,000, Deduct	-0.26	
			For >1,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.53	
50 89 83 20-0017	EA		CALTRANS 204006 PLANT (GROUP F).....	2.47	
			For >100 To 1,000, Deduct	-0.16	
			For >1,000 To 5,000, Deduct	-0.25	
			For >5,000, Deduct	-0.32	
50 89 83 20-0018	EA		CALTRANS 204008 PLANT (GROUP H).....	6.94	
			For >10 To 100, Deduct	-0.69	
			For >100 To 1,000, Deduct	-1.56	
			For >1,000 To 10,000, Deduct	-2.43	
			For >10,000 To 25,000, Deduct	-3.47	
			For >25,000, Deduct	-4.86	
50 89 83 20-0019	EA		CALTRANS 204009 PLANT (GROUP I).....	25.66	
			For >100 To 1,000, Deduct	-1.75	
			For >1,000 To 5,000, Deduct	-2.85	
			For >5,000, Deduct	-3.49	
50 89 83 20-0020	EA		CALTRANS 204011 PLANT (GROUP K).....	649.34	
50 89 83 20-0021	EA		CALTRANS 204013 PLANT (GROUP M).....	8.54	
			For >100 To 1,000, Deduct	-0.50	
			For >1,000 To 5,000, Deduct	-0.78	
			For >5,000, Deduct	-0.99	
50 89 83 20-0022	EA		CALTRANS 204015 PLANT (GROUP S).....	9.53	
			For >100 To 1,000, Deduct	-0.60	
			For >1,000 To 5,000, Deduct	-0.96	
			For >5,000, Deduct	-1.20	
50 89 83 20-0023	EA		CALTRANS 204020 PLANT (GROUP P).....	8.08	
			For >100 To 1,000, Deduct	-0.46	
			For >1,000 To 5,000, Deduct	-0.72	
			For >5,000, Deduct	-0.92	
50 89 83 20-0024	EA		CALTRANS 204030 TRANSPLANT TREE.....	4,229.22	
			For >5 To 10, Deduct	-211.46	
			For >10 To 20, Deduct	-422.92	
			For >20, Deduct	-634.38	
50 89 83 20-0025	EA		CALTRANS 204035 PLANT (GROUP A).....	34.70	
50 89 83 20-0026	EA		CALTRANS 204036 PLANT (GROUP B).....	88.08	
50 89 83 20-0027	EA		CALTRANS 204038 PLANT (GROUP U).....	230.26	
50 89 83 20-0028	SY		CALTRANS 204045 SOD.....	21.02	
50 89 83 20-0029	SF		CALTRANS 205033 GRAVEL MULCH.....	1.42	
50 89 83 20-0030	SF		CALTRANS 205034 DECOMPOSED GRANITE.....	1.61	
50 89 83 20-0031	CY		CALTRANS 205035 WOOD MULCH.....	120.13	
			For >5 To 20, Deduct	-9.78	
			For >20 To 50, Deduct	-14.68	
			For >50, Deduct	-20.68	
50 89 83 20-0032	EA		CALTRANS 205051 FOLIAGE PROTECTOR.....	42.36	
50 89 83 20-0033	EA		CALTRANS 205052 ROOT PROTECTOR.....	29.98	
50 89 83 20-0034	LF		CALTRANS 205062 ROOT BARRIER.....	13.46	
50 89 83 20-0035	LF		CALTRANS 206005 EDGING.....	18.36	
50 89 83 20-0036	EA		CALTRANS 206561 3/4" REMOTE CONTROL VALVE.....	439.71	
50 89 83 20-0037	EA		CALTRANS 206562 1" REMOTE CONTROL VALVE.....	683.86	
50 89 83 20-0038	EA		CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE.....	751.28	
50 89 83 20-0039	EA		CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE.....	824.49	
50 89 83 20-0040	EA		CALTRANS 206565 2" REMOTE CONTROL VALVE.....	920.87	
50 89 83 20-0041	EA		CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE.....	1,451.15	
50 89 83 20-0042	EA		CALTRANS 206567 3" REMOTE CONTROL VALVE.....	1,981.43	
50 89 83 20-0043	EA		CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR.....	1,026.55	
50 89 83 20-0044	EA		CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY.....	360.21	
50 89 83 20-0045	EA		CALTRANS 206631 1" WYE STRAINER ASSEMBLY.....	391.05	
50 89 83 20-0046	EA		CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY.....	436.48	
50 89 83 20-0047	EA		CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY.....	463.58	
50 89 83 20-0048	EA		CALTRANS 206634 2" WYE STRAINER ASSEMBLY.....	553.66	
50 89 83 20-0049	EA		CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY.....	841.60	
50 89 83 20-0050	EA		CALTRANS 206636 3" WYE STRAINER ASSEMBLY.....	1,013.75	
50 89 83 20-0051	EA		CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	957.75	
50 89 83 20-0052	EA		CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,328.96	
50 89 83 20-0053	EA		CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,765.90	
50 89 83 20-0054	EA		CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,258.42	
50 89 83 20-0055	EA		CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,002.60	
50 89 83 20-0056	EA		CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,743.28	
50 89 83 20-0057	LF		CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE).....	12.75	
			For >1,000, Deduct	-0.64	
50 89 83 20-0058	LF		CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE).....	17.39	
			For >1,000, Deduct	-0.87	
50 89 83 20-0059	LF		CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE).....	21.44	
			For >1,000, Deduct	-1.07	
50 89 83 20-0060	LF		CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE).....	27.34	
			For >1,000, Deduct	-1.37	

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 20-0061 LF CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE).....	33.09	
For >1,000, Deduct	-1.65	
50 89 83 20-0062 LF CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE).....	45.86	
For >1,000, Deduct	-2.29	
50 89 83 20-0063 LF CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE).....	89.57	
For >1,000, Deduct	-4.48	
50 89 83 20-0064 LF CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE).....	143.54	
For >1,000, Deduct	-7.18	
50 89 83 20-0065 LF CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE).....	61.71	
For >1,000, Deduct	-3.09	
50 89 83 20-0066 LF CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE).....	14.03	
For >1,000, Deduct	-0.70	
50 89 83 20-0067 LF CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE).....	16.11	
For >1,000, Deduct	-0.81	
50 89 83 20-0068 LF CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE).....	19.17	
For >1,000, Deduct	-0.96	
50 89 83 20-0069 LF CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE).....	22.64	
For >1,000, Deduct	-1.13	
50 89 83 20-0070 LF CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE).....	26.35	
For >1,000, Deduct	-1.32	
50 89 83 20-0071 LF CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE).....	33.26	
For >1,000, Deduct	-1.66	
50 89 83 20-0072 LF CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE).....	49.21	
For >1,000, Deduct	-2.46	
50 89 83 20-0073 LF CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE).....	68.52	
For >1,000, Deduct	-3.43	
50 89 83 20-0074 LF CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE).....	99.05	
For >1,000, Deduct	-4.95	
50 89 83 20-0075 LF CALTRANS 208026 2" SUPPLY LINE (BRIDGE).....	60.21	
50 89 83 20-0076 LF CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE).....	75.76	
50 89 83 20-0077 LF CALTRANS 208028 3" SUPPLY LINE (BRIDGE).....	93.58	
50 89 83 20-0078 LF CALTRANS 208029 4" SUPPLY LINE (BRIDGE).....	136.58	
50 89 83 20-0079 LF CALTRANS 208030 6" SUPPLY LINE (BRIDGE).....	341.75	
50 89 83 20-0080 LF CALTRANS 208033 8" SUPPLY LINE (BRIDGE).....	706.81	
50 89 83 20-0081 LF CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	40.35	
50 89 83 20-0082 LF CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	57.18	
50 89 83 20-0083 LF CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	71.07	
50 89 83 20-0084 LF CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	102.15	
50 89 83 20-0085 LF CALTRANS 208220 1/2" DRIP IRRIGATION TUBING.....	2.75	
50 89 83 20-0086 LF CALTRANS 208221 3/4" DRIP IRRIGATION TUBING.....	2.95	
50 89 83 20-0087 EA CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET.....	4,004.45	
50 89 83 20-0088 EA CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY.....	2,428.57	
50 89 83 20-0089 EA CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY.....	2,558.28	
50 89 83 20-0090 EA CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY.....	3,358.60	
50 89 83 20-0091 EA CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY.....	3,641.16	
50 89 83 20-0092 EA CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY.....	4,857.61	
50 89 83 20-0093 EA CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY.....	10,439.54	
50 89 83 20-0094 EA CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY.....	12,123.38	
50 89 83 20-0095 EA CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY.....	13,111.53	
50 89 83 20-0096 EA CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE.....	3,554.76	
50 89 83 20-0097 EA CALTRANS 208442 FLOW SENSOR.....	1,770.54	
50 89 83 20-0098 EA CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN).....	96.45	14.38
50 89 83 20-0099 EA CALTRANS 208448 RISER SPRINKLER ASSEMBLY.....	59.81	14.38
50 89 83 20-0100 EA CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY.....	58.76	14.38
50 89 83 20-0101 EA CALTRANS 208562 CAM COUPLER ASSEMBLY.....	490.96	
50 89 83 20-0102 EA CALTRANS 208569 1/2" GATE VALVE.....	324.97	
50 89 83 20-0103 EA CALTRANS 208570 3/4" GATE VALVE.....	345.76	
50 89 83 20-0104 EA CALTRANS 208572 1" GATE VALVE.....	377.88	
50 89 83 20-0105 EA CALTRANS 208573 1 1/4" GATE VALVE.....	417.13	
50 89 83 20-0106 EA CALTRANS 208574 1 1/2" GATE VALVE.....	444.82	
50 89 83 20-0107 EA CALTRANS 208575 2" GATE VALVE.....	507.02	
50 89 83 20-0108 EA CALTRANS 208576 2 1/2" GATE VALVE.....	821.44	
50 89 83 20-0109 EA CALTRANS 208588 3" GATE VALVE.....	1,449.49	
50 89 83 20-0110 EA CALTRANS 208589 4" GATE VALVE.....	1,940.23	
50 89 83 20-0111 EA CALTRANS 208590 6" GATE VALVE.....	2,782.21	
50 89 83 20-0112 EA CALTRANS 208591 8" GATE VALVE.....	4,251.03	
50 89 83 20-0113 LF CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	6.81	
For >1,000, Deduct	-0.34	
For Schedule 80, Add	0.16	
50 89 83 20-0114 LF CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	6.97	
For >1,000, Deduct	-0.35	
For Schedule 80, Add	0.21	
50 89 83 20-0115 LF CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.82	
For >1,000, Deduct	-0.39	
For Schedule 80, Add	0.33	
50 89 83 20-0116 LF CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.24	
For >1,000, Deduct	-0.46	
For Schedule 80, Add	0.49	
50 89 83 20-0117 LF CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.44	
For >1,000, Deduct	-0.47	
For Schedule 80, Add	0.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0118 LF CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	11.11	
For >1,000, Deduct	-0.56	
For Schedule 80, Add	1.11	
50 89 83 20-0119 LF CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	13.34	
For >1,000, Deduct	-0.67	
For Schedule 80, Add	1.44	
50 89 83 20-0120 LF CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	17.29	
For >1,000, Deduct	-0.86	
For Schedule 80, Add	2.02	
50 89 83 20-0121 LF CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	21.68	
For >1,000, Deduct	-1.08	
For Schedule 80, Add	3.08	
50 89 83 20-0122 LF CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	29.47	
For >1,000, Deduct	-1.47	
For Schedule 80, Add	6.87	
50 89 83 20-0123 LF CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	35.31	
For >1,000, Deduct	-1.77	
For Schedule 80, Add	10.53	
50 89 83 20-0124 LF CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	70.60	
For >1,000, Deduct	-3.53	
For Schedule 80, Add	32.74	
50 89 83 20-0125 LF CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	11.68	
For >1,000, Deduct	-0.58	
50 89 83 20-0126 LF CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	14.27	
For >1,000, Deduct	-0.71	
50 89 83 20-0127 LF CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	17.29	
For >1,000, Deduct	-0.86	
50 89 83 20-0128 LF CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	21.68	
For >1,000, Deduct	-1.08	
50 89 83 20-0129 LF CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	29.89	
For >1,000, Deduct	-1.49	
50 89 83 20-0130 EA CALTRANS 208631 3/4" PRESSURE RELIEF VALVE	952.25	
50 89 83 20-0131 EA CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE	1,403.74	
50 89 83 20-0132 EA CALTRANS 208633 1" PRESSURE RELIEF VALVE	1,123.64	
50 89 83 20-0133 EA CALTRANS 208634 2" PRESSURE RELIEF VALVE	1,579.36	
50 89 83 20-0134 EA CALTRANS 208640 PRESSURE REGULATING VALVE (3/4")	299.17	
50 89 83 20-0135 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1")	392.86	
50 89 83 20-0136 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4")	671.44	
50 89 83 20-0137 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2")	910.67	
50 89 83 20-0138 EA CALTRANS 208640 PRESSURE REGULATING VALVE (2")	1,305.55	
50 89 83 20-0139 EA CALTRANS 208649 QUICK COUPLING VALVE	575.07	
50 89 83 20-0140 EA CALTRANS 208670 1/2" CHECK VALVE	340.30	
50 89 83 20-0141 EA CALTRANS 208670 3/4" CHECK VALVE	364.96	
50 89 83 20-0142 EA CALTRANS 208670 1" CHECK VALVE	397.85	
50 89 83 20-0143 EA CALTRANS 208670 1 1/4" CHECK VALVE	448.50	
50 89 83 20-0144 EA CALTRANS 208670 1 1/2" CHECK VALVE	500.18	
50 89 83 20-0145 EA CALTRANS 208670 2" CHECK VALVE	569.92	
50 89 83 20-0146 EA CALTRANS 208670 2 1/2" CHECK VALVE	888.45	
50 89 83 20-0147 EA CALTRANS 208670 3" CHECK VALVE	1,528.71	
50 89 83 20-0148 EA CALTRANS 208670 4" CHECK VALVE	2,264.84	
50 89 83 20-0149 EA CALTRANS 208670 6" CHECK VALVE	3,465.29	
50 89 83 20-0150 EA CALTRANS 208670 8" CHECK VALVE	7,665.15	
50 89 83 20-0151 EA CALTRANS 208683 1/2" BALL VALVE	306.49	
50 89 83 20-0152 EA CALTRANS 208683 3/4" BALL VALVE	336.69	
50 89 83 20-0153 EA CALTRANS 208683 1" BALL VALVE	348.69	
50 89 83 20-0154 EA CALTRANS 208683 1 1/4" BALL VALVE	388.09	
50 89 83 20-0155 EA CALTRANS 208683 1 1/2" BALL VALVE	409.11	
50 89 83 20-0156 EA CALTRANS 208683 2" BALL VALVE	450.62	
50 89 83 20-0157 EA CALTRANS 208683 2 1/2" BALL VALVE	505.38	
50 89 83 20-0158 LF CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	35.31	
For >1,000, Deduct	-1.77	
50 89 83 20-0159 LF CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT	49.09	
For >1,000, Deduct	-2.45	
50 89 83 20-0160 LF CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT	69.74	
For >1,000, Deduct	-3.49	
50 89 83 20-0161 LF CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	27.48	
50 89 83 20-0162 LF CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	35.25	
50 89 83 20-0163 LF CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	40.82	
50 89 83 20-0164 LF CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	29.87	
50 89 83 20-0165 LF CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	37.24	
50 89 83 20-0166 LF CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	46.16	
50 89 83 20-0167 LF CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	51.36	
50 89 83 20-0168 LF CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT	26.97	
For >1,000, Deduct	-1.35	
50 89 83 20-0169 LF CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT	31.65	
For >1,000, Deduct	-1.58	
50 89 83 20-0170 LF CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT	36.58	
For >1,000, Deduct	-1.83	
50 89 83 20-0171 LF CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT	50.17	
For >1,000, Deduct	-2.51	
50 89 83 20-0172 LF CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT	68.10	
For >1,000, Deduct	-3.41	

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 20-0173 LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT	97.12	
For >1,000, Deduct	-4.86	
50 89 83 20-0174 LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT	139.04	
For >1,000, Deduct	-6.95	
50 89 83 20-0175 LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT	183.47	
For >1,000, Deduct	-9.17	
50 89 83 20-0176 LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT	233.66	
For >1,000, Deduct	-11.68	
50 89 83 21 EROSION CONTROL (50 89 83)		
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)	380.44	
50 89 83 21-0002 CY CALTRANS 210110 IMPORTED TOPSOIL (CY)	66.60	
50 89 83 21-0003 TON CALTRANS 210111 IMPORTED TOPSOIL (TON)	83.25	
50 89 83 21-0004 SF CALTRANS 210212 DRY SEED (SQFT)	0.11	
50 89 83 21-0005 ACR CALTRANS 210213 DRY SEED (ACRE)	4,816.79	
For >5 To 20, Deduct	-341.60	
For >20 To 45, Deduct	-663.54	
For >45, Deduct	-1,086.23	
50 89 83 21-0006 SY CALTRANS 210222 DRILL SEED (SQYD)	0.39	
50 89 83 21-0007 ACR CALTRANS 210223 DRILL SEED (ACRE)	1,877.00	
50 89 83 21-0008 SF CALTRANS 210252 BONDED FIBER MATRIX (SQFT)	0.10	
50 89 83 21-0009 ACR CALTRANS 210253 BONDED FIBER MATRIX (ACRE)	4,529.68	
50 89 83 21-0010 SF CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH)	0.53	
50 89 83 21-0011 SF CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING)	1.96	
50 89 83 21-0012 SF CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET)	0.64	
50 89 83 21-0013 SF CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM)	1.66	
50 89 83 21-0014 SF CALTRANS 210300 HYDROMULCH	0.10	
50 89 83 21-0015 LF CALTRANS 210350 FIBER ROLL	8.82	
Note: 12" Diameter, Type 1		
For >1,000 To 10,000, Deduct	-0.98	
For >10,000, Deduct	-1.66	
For 9" Diameter, Deduct	-1.08	
50 89 83 21-0016 LF CALTRANS 210350 FIBER ROLL	6.94	
Note: 12" Diameter, Type 2		
For >1,000 To 10,000, Deduct	-0.70	
For >10,000, Deduct	-1.19	
For 9" Diameter, Deduct	-1.08	
50 89 83 21-0017 LF CALTRANS 210360 COMPOST SOCK	11.92	
50 89 83 21-0018 SF CALTRANS 210420 STRAW	0.22	
50 89 83 21-0019 SF CALTRANS 210430 HYDROSEED	0.10	
50 89 83 21-0020 CY CALTRANS 210610 COMPOST (CY)	96.58	
For >100 To 1,000, Deduct	-16.16	
For >1,000, Deduct	-24.77	
50 89 83 21-0021 SF CALTRANS 210630 INCORPORATE MATERIALS	0.06	
50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES (50 89 80)		
50 89 84 24 STABILIZED SOILS (50 89 84)		
50 89 84 24-0001 SY CALTRANS 240105 LIME STABILIZED SOIL	12.46	
For 4% Lime Instead Of 5%, Deduct	-0.34	
For 6% Lime Instead Of 5%, Add	0.34	
50 89 84 24-0002 SY CALTRANS 240300 CEMENT STABILIZED SOIL	12.38	
50 89 84 25 AGGREGATE SUBBASES (50 89 84)		
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	112.49	
50 89 84 25-0002 CY CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE	110.51	
50 89 84 25-0003 CY CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE	105.95	
50 89 84 25-0004 CY CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE	105.90	
50 89 84 25-0005 CY CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE	105.84	
50 89 84 26 AGGREGATE BASES (50 89 84)		
Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 26-0001 CY CALTRANS 260200 AGGREGATE BASE	111.91	
For Recycled Aggregate Base, Deduct	-6.71	
50 89 84 26-0002 TON CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON)	112.43	
50 89 84 26-0003 CY CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY)	110.51	
50 89 84 26-0004 TON CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON)	106.20	
50 89 84 26-0005 CY CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY)	105.95	
50 89 84 27 CEMENT TREATED BASES (50 89 84)		
Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001	TON		CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)	54.73	
			For Up To 500, Add	16.12	
			For >500 To 1,000, Add	5.47	
			For >5,000 To 10,000, Deduct	-2.08	
			For >10,000, Deduct	-3.56	
50 89 84 27-0002	CY		CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY).....	73.90	
			For Up To 500, Add	21.78	
			For >500 To 1,000, Add	7.39	
			For >5,000 To 10,000, Deduct	-2.81	
			For >10,000, Deduct	-4.80	
50 89 84 27-0003	TON		CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON).....	44.57	
			For Up To 500, Add	13.07	
			For >500 To 1,000, Add	4.46	
			For >5,000 To 10,000, Deduct	-1.69	
			For >10,000, Deduct	-2.90	
50 89 84 27-0004	CY		CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY).....	63.75	
			For Up To 500, Add	18.74	
			For >500 To 1,000, Add	6.38	
			For >5,000 To 10,000, Deduct	-2.42	
			For >10,000, Deduct	-4.14	
50 89 84 28			CONCRETE BASES (50 89 84)		
			Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.		
50 89 84 28-0001	CY		CALTRANS 280001 CONCRETE BASE	269.10	
50 89 84 29			TREATED PERMEABLE BASES (50 89 84)		
			Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.		
50 89 84 29-0001	CY		CALTRANS 290301 CEMENT TREATED PERMEABLE BASE.....	1,004.09	
			For >5,000 To 30,000, Deduct	-106.91	
			For >30,000 To 100,000, Deduct	-195.22	
			For >100,000, Deduct	-242.44	
50 89 84 30			RECLAIMED PAVEMENT (50 89 84)		
			Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.		
50 89 84 30-0001	SF		CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT	24.44	
50 89 84 30-0002	SY		CALTRANS 303000 PULVERIZED ROADBED	5.45	
50 89 85			CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS (50 89 80)		
50 89 85 37			BITUMINOUS SEALS (50 89 85)		
			Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.		
50 89 85 37-0001	SY		CALTRANS 370001 SAND COVER (SEAL)	1.53	
50 89 85 37-0002	SY		CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT)	0.91	
50 89 85 37-0003	LNMI		CALTRANS 374207 CRACK TREATMENT	6,813.30	
50 89 85 37-0004	SY		CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT)	5.05	
50 89 85 37-0005	SY		CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT)	10.61	
50 89 85 37-0006	TON		CALTRANS 375001 SCREENINGS	80.11	
			For Up To 14, Add	21.85	
			For >14 To 35, Add	8.01	
50 89 85 37-0007	SY		CALTRANS 375009 TACK COAT (SEAL).....	1.06	
			For Up To 150, Add	0.23	
			For >150 To 300, Add	0.11	
			For >300 To 500, Add	0.05	
			For >3,500 To 5,000, Deduct	-0.03	
			For >5,000, Deduct	-0.07	
50 89 85 37-0008	SY		CALTRANS 377501 SLURRY SEAL (TYPE I)	3.21	
			Note: 1/8" thick.		
			For Each 0.5% Of Latex Addition, Add	0.33	
50 89 85 37-0009	SY		CALTRANS 377501 SLURRY SEAL (TYPE II)	4.24	
			Note: 1/4" thick, 14 to 18 Lb/SY.		
			For Each 0.5% Of Latex Addition, Add	0.49	
50 89 85 37-0010	SY		CALTRANS 377501 SLURRY SEAL (TYPE III)	5.50	
			Note: 3/8" thick, 25 to 30 Lb/SY.		
			For Each 0.5% Of Latex Addition, Add	0.80	
50 89 85 37-0011	SY		CALTRANS 378000 MICRO-SURFACING	11.38	
50 89 85 39			ASPHALT CONCRETE (50 89 85)		
			Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.		
50 89 85 39-0001	TON		CALTRANS 390100 PRIME COAT	1,418.33	
50 89 85 39-0002	TON		CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25)	182.62	
50 89 85 39-0003	TON		CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100).....	172.44	
50 89 85 39-0004	TON		CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250).....	156.42	
50 89 85 39-0005	TON		CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250).....	148.60	
50 89 85 39-0006	TON		CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25)	290.50	
50 89 85 39-0007	TON		CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100)	254.25	
50 89 85 39-0008	TON		CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250).....	218.28	
50 89 85 39-0009	TON		CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250)	185.29	

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 39-0010 TON CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25)	299.10	
50 89 85 39-0011 TON CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	185.14	
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)	9.97	
50 89 85 39-0014 LF CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	7.29	
50 89 85 39-0015 LF CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	3.87	
50 89 85 39-0016 LF CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	15.95	
50 89 85 39-0017 LF CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	10.33	
50 89 85 39-0018 LF CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.68	
50 89 85 39-0019 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	17.41	
For Up To 500, Add	2.73	
For >500 To 1,000, Add	1.56	
For >5,000 To 10,000, Deduct	-0.71	
For >10,000 To 24,000, Deduct	-1.29	
For >24,000 To 48,000, Deduct	-2.00	
For >48,000, Deduct	-2.88	
50 89 85 39-0020 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3"	24.29	
For Up To 300, Add	3.59	
For >300 To 600, Add	2.91	
For >3,000 To 6,000, Deduct	-1.02	
For >6,000 To 16,000, Deduct	-1.86	
For >16,000 To 32,000, Deduct	-2.89	
For >32,000, Deduct	-4.15	
50 89 85 39-0021 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4"	32.99	
For Up To 250, Add	4.54	
For >250 To 500, Add	2.51	
For >2,500 To 5,000, Deduct	-1.44	
For >5,000 To 12,000, Deduct	-2.63	
For >12,000 To 24,000, Deduct	-4.07	
For >24,000, Deduct	-5.84	
50 89 85 39-0022 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6"	49.49	
For Up To 160, Add	6.80	
For >160 To 320, Add	3.76	
For >1,600 To 3,200, Deduct	-2.17	
For >3,200 To 8,000, Deduct	-3.94	
For >8,000 To 16,000, Deduct	-6.10	
For >16,000, Deduct	-8.76	
50 89 85 39-0023 TON CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE).....	185.14	
50 89 85 39-0024 TON CALTRANS 397005 TACK COAT	857.89	
50 89 85 39-0025 SF CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY).....	206.18	
For >500 To 1,000, Deduct	-20.62	
For >1,000 To 2,500, Deduct	-37.11	
For >2,500 To 5,000, Deduct	-53.61	
For >5,000 To 10,000, Deduct	-70.10	
For >10,000, Deduct	-86.60	
50 89 85 39-0026 SF CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.50	
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 2,500, Deduct	-0.63	
For >2,500 To 5,000, Deduct	-0.91	
For >5,000 To 10,000, Deduct	-1.19	
For >10,000, Deduct	-1.47	
50 89 85 39-0027 LF CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE.....	5.71	
50 89 85 39-0028 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3").....	4.88	
For Up To 2,500, Add	3.66	
For >2,500 To 5,000, Add	1.22	
For >10,000 To 25,000, Deduct	-0.49	
For >25,000, Deduct	-0.73	
50 89 85 39-0029 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6").....	6.51	
For Up To 2,500, Add	4.88	
For >2,500 To 5,000, Add	1.63	
For >10,000 To 25,000, Deduct	-0.65	
For >25,000, Deduct	-0.98	

50 89 85 40 CONCRETE PAVEMENT (50 89 85)

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

50 89 85 40-0001 CY CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	411.34	
For >1,000 To 5,000, Deduct	-19.09	
For >5,000, Deduct	-49.21	
50 89 85 40-0002 CY CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	392.17	
For >1,000 To 5,000, Deduct	-19.09	
For >5,000, Deduct	-48.25	

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)	33.75	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002	SY		CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE).....	438.13	
			For Up To 100, Add	602.44	
			For >100 To 250, Add	301.22	
50 89 85 41-0003	LF		CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER).....	9.53	
50 89 85 41-0004	LF		CALTRANS 414221 REPLACE JOINT SEAL (SILICONE).....	9.15	
50 89 85 41-0005	LF		CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16").....	16.41	
50 89 85 41-0006	LF		CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4").....	19.52	
50 89 85 41-0007	LF		CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2").....	39.26	
50 89 85 41-0008	LF		CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE).....	13.36	
50 89 85 41-0009	LF		CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION).....	14.21	
50 89 85 41-0010	SY		CALTRANS 416101 PAVEMENT TRANSITION TAPER.....	64.86	
			For Up To 100, Add	25.47	
			For >100 To 250, Add	14.42	
			For >250 To 500, Add	7.21	
			For >1,000 To 2,000, Deduct	-1.68	
			For >2,000 To 5,000, Deduct	-3.30	
			For >5,000 To 10,000, Deduct	-4.92	
			For >10,000 To 20,000, Deduct	-6.55	
			For >20,000, Deduct	-8.17	
50 89 85 41-0011	CY		CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE.....	51.53	
50 89 85 41-0012	SY		CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD).....	24.99	
			For >500 To 1,000, Deduct	-2.50	
			For >1,000 To 2,500, Deduct	-4.50	
			For >2,500 To 5,000, Deduct	-6.50	
			For >5,000 To 10,000, Deduct	-8.50	
			For >10,000, Deduct	-10.50	
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.....	1.87	
50 89 85 42-0002	SY		CALTRANS 420104 GROOVE EXISTING BRIDGE DECK.....	2.81	
50 89 85 42-0003	SY		CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT.....	4.88	
			For Up To 2,500, Add	3.66	
			For >2,500 To 5,000, Add	1.22	
			For >10,000 To 25,000, Deduct	-0.49	
			For >25,000, Deduct	-0.73	
50 89 85 42-0004	SY		CALTRANS 420203 GRIND EXISTING BRIDGE DECK.....	30.89	
			For >100 To 1,000, Deduct	-15.45	
			For >1,000, Deduct	-23.17	
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).....	74.38	9.58
			For >3:1 Sloped Soil At Top, Add	4.69	
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).....	23.26	25.45
50 89 86 60 EXISTING STRUCTURES (50 89 86)					
50 89 86 60-0001	LF		CALTRANS 600063 CORE CONCRETE (1").....	135.33	
			For Horizontal Cores, Add	26.74	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.48	
50 89 86 60-0002	LF		CALTRANS 600064 CORE CONCRETE (2").....	166.70	
			For Horizontal Cores, Add	33.01	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.03	
50 89 86 60-0003	LF		CALTRANS 600065 CORE CONCRETE (3").....	183.00	
			For Horizontal Cores, Add	36.15	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.30	
50 89 86 60-0004	LF		CALTRANS 600066 CORE CONCRETE (4").....	243.92	
			For Horizontal Cores, Add	48.20	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.40	
50 89 86 60-0005	LF		CALTRANS 600067 CORE CONCRETE (5").....	280.91	
			For Horizontal Cores, Add	55.46	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.93	
50 89 86 60-0006	LF		CALTRANS 600068 CORE CONCRETE (6").....	317.22	
			For Horizontal Cores, Add	62.73	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.45	
50 89 86 60-0007	LF		CALTRANS 600069 CORE CONCRETE (7").....	415.09	
			For Horizontal Cores, Add	82.04	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	164.08	
50 89 86 60-0008	LF		CALTRANS 600070 CORE CONCRETE (8").....	511.65	
			For Horizontal Cores, Add	101.35	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	202.70	
50 89 86 60-0009	LF		CALTRANS 600071 CORE CONCRETE (9").....	59.09	
			For Horizontal Cores, Add	10.51	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.03	
50 89 86 60-0010	LF		CALTRANS 600072 CORE CONCRETE (10").....	551.25	
			For Horizontal Cores, Add	108.95	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	217.89	

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 86 60-0011	LF		CALTRANS 600074 CORE CONCRETE (12").....	635.09	
			<i>For Horizontal Cores, Add</i>	125.45	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	250.91	
50 89 86 60-0012	LF		CALTRANS 600081 CORE CONCRETE (1 1/2").....	150.19	
			<i>For Horizontal Cores, Add</i>	29.71	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	59.42	
50 89 86 60-0013	LF		CALTRANS 600083 CORE CONCRETE (2 1/2").....	175.16	
			<i>For Horizontal Cores, Add</i>	34.58	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.16	
50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES (50 89 80)					
50 89 87 64 PLASTIC PIPE (50 89 87)					
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 CALTRANS Standard.					
50 89 87 64-0001	LF		CALTRANS 641101 12" PLASTIC PIPE.....	53.27	
			<i>Note: Includes 0.37 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0002	LF		CALTRANS 641104 15" PLASTIC PIPE.....	66.78	
			<i>Note: Includes 0.53 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0003	LF		CALTRANS 641107 18" PLASTIC PIPE.....	84.37	
			<i>Note: Includes 0.64 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0004	LF		CALTRANS 641110 21" PLASTIC PIPE.....	100.29	
			<i>Note: Includes 0.80 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0005	LF		CALTRANS 641113 24" PLASTIC PIPE.....	116.85	
			<i>Note: Includes 0.89 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0006	LF		CALTRANS 641119 30" PLASTIC PIPE.....	168.27	
			<i>Note: Includes 1.08 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0007	LF		CALTRANS 641125 36" PLASTIC PIPE.....	205.10	
			<i>Note: Includes 1.30 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0008	LF		CALTRANS 641128 42" PLASTIC PIPE.....	299.93	
			<i>Note: Includes 1.53 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 64-0009	LF		CALTRANS 641131 48" PLASTIC PIPE.....	363.73	
			<i>Note: Includes 1.78 CY of excavated material per LF of pipe.</i>		
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 65 CONCRETE PIPE (50 89 87)					
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 CALTRANS Standard.					
50 89 87 65-0001	LF		CALTRANS 650010 12" REINFORCED CONCRETE PIPE.....	67.55	
			<i>Note: Includes 0.37 CY of excavated material per LF of pipe.</i>		
			<i>For >1,000, Deduct</i>	-3.38	
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 65-0002	LF		CALTRANS 650012 15" REINFORCED CONCRETE PIPE.....	83.96	
			<i>Note: Includes 0.53 CY of excavated material per LF of pipe.</i>		
			<i>For >1,000, Deduct</i>	-4.20	
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 65-0003	LF		CALTRANS 650014 18" REINFORCED CONCRETE PIPE.....	96.19	
			<i>Note: Includes 0.64 CY of excavated material per LF of pipe.</i>		
			<i>For >1,000, Deduct</i>	-4.81	
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 65-0004	LF		CALTRANS 650016 21" REINFORCED CONCRETE PIPE.....	123.75	
			<i>Note: Includes 0.80 CY of excavated material per LF of pipe.</i>		
			<i>For >1,000, Deduct</i>	-6.19	
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	
50 89 87 65-0005	LF		CALTRANS 650018 24" REINFORCED CONCRETE PIPE.....	143.08	
			<i>Note: Includes 0.89 CY of excavated material per LF of pipe.</i>		
			<i>For >1,000, Deduct</i>	-7.15	
			<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.97	
			<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006	LF		CALTRANS 650019 27" REINFORCED CONCRETE PIPE.....	176.87	
			Note: Includes 0.98 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-8.84	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0007	LF		CALTRANS 650022 30" REINFORCED CONCRETE PIPE.....	189.12	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-9.46	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0008	LF		CALTRANS 650024 33" REINFORCED CONCRETE PIPE.....	211.06	
			Note: Includes 1.19 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-10.55	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0009	LF		CALTRANS 650026 36" REINFORCED CONCRETE PIPE.....	232.81	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-11.64	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0010	LF		CALTRANS 650030 42" REINFORCED CONCRETE PIPE.....	299.67	
			Note: Includes 1.53 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-14.98	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0011	LF		CALTRANS 650034 48" REINFORCED CONCRETE PIPE.....	359.20	
			Note: Includes 1.78 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-17.96	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0012	LF		CALTRANS 650038 54" REINFORCED CONCRETE PIPE.....	441.48	
			Note: Includes 2.05 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-22.07	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0013	LF		CALTRANS 650042 60" REINFORCED CONCRETE PIPE.....	529.72	
			Note: Includes 2.33 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-26.49	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0014	LF		CALTRANS 650046 66" REINFORCED CONCRETE PIPE.....	785.59	
			Note: Includes 2.64 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-39.28	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0015	LF		CALTRANS 650050 72" REINFORCED CONCRETE PIPE.....	911.79	
			Note: Includes 2.96 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-45.59	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0016	LF		CALTRANS 650054 78" REINFORCED CONCRETE PIPE.....	1,088.20	
			Note: Includes 3.31 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-54.41	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0017	LF		CALTRANS 650058 84" REINFORCED CONCRETE PIPE.....	1,383.91	
			Note: Includes 3.67 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-69.20	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0018	LF		CALTRANS 650065 96" REINFORCED CONCRETE PIPE.....	1,687.16	
			Note: Includes 4.44 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-84.36	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0019	LF		CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II).....	94.16	
			Note: Includes 0.64 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-4.71	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0020	LF		CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II).....	185.03	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-9.25	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0021	LF		CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II).....	206.25	
			Note: Includes 1.19 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-10.31	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0022	LF		CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II).....	227.27	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	-11.36	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	

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 65-0023 LF CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III).....	67.55	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0024 LF CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III).....	83.96	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.20	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0025 LF CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III).....	96.19	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.81	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0026 LF CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III).....	143.08	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0027 LF CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III).....	176.87	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.84	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0028 LF CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III).....	189.12	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.46	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0029 LF CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III).....	232.81	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.64	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0030 LF CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III).....	299.67	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.98	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0031 LF CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III).....	441.48	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.07	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0032 LF CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV).....	70.42	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.52	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0033 LF CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV).....	87.63	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0034 LF CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV).....	100.06	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.00	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0035 LF CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV).....	148.76	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0036 LF CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV).....	196.87	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.84	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0037 LF CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV).....	243.33	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.17	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0038 LF CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV).....	378.07	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-18.90	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0039 LF CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV).....	466.00	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.30	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040	LF		CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV) 559.86 Note: Includes 2.33 CY of excavated material per LF of pipe. For >1,000, Deduct -27.99 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0041	LF		CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V) 73.59 Note: Includes 0.37 CY of excavated material per LF of pipe. For >1,000, Deduct -3.68 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0042	LF		CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V) 104.33 Note: Includes 0.64 CY of excavated material per LF of pipe. For >1,000, Deduct -5.22 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0043	LF		CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V) 155.04 Note: Includes 0.89 CY of excavated material per LF of pipe. For >1,000, Deduct -7.75 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0044	LF		CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V) 189.12 Note: Includes 1.08 CY of excavated material per LF of pipe. For >1,000, Deduct -9.46 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0045	LF		CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V) 254.95 Note: Includes 1.30 CY of excavated material per LF of pipe. For >1,000, Deduct -12.75 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0046	LF		CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V) 299.67 Note: Includes 1.53 CY of excavated material per LF of pipe. For >1,000, Deduct -14.98 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0047	LF		CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V) 493.09 Note: Includes 2.05 CY of excavated material per LF of pipe. For >1,000, Deduct -24.65 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0048	LF		CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V) 529.72 Note: Includes 2.33 CY of excavated material per LF of pipe. For >1,000, Deduct -26.49 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0049	LF		CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V) 911.79 Note: Includes 2.96 CY of excavated material per LF of pipe. For >1,000, Deduct -45.59 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0050	LF		CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) 68.16 Note: Includes 0.37 CY of excavated material per LF of pipe. For >1,000, Deduct -3.41 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0051	LF		CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) 144.28 Note: Includes 0.89 CY of excavated material per LF of pipe. For >1,000, Deduct -7.21 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0052	LF		CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) 69.82 Note: Includes 0.37 CY of excavated material per LF of pipe. For >1,000, Deduct -3.49 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0053	LF		CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) 99.24 Note: Includes 0.64 CY of excavated material per LF of pipe. For >1,000, Deduct -4.96 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0054	LF		CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) 127.72 Note: Includes 0.80 CY of excavated material per LF of pipe. For >1,000, Deduct -6.39 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0055	LF		CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) 147.57 Note: Includes 0.89 CY of excavated material per LF of pipe. For >1,000, Deduct -7.38 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 65-0056	LF		CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) 195.24 Note: Includes 1.08 CY of excavated material per LF of pipe. For >1,000, Deduct -9.76 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		

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 65-0057 LF CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	241.11	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0058 LF CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	311.68	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-15.58	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0059 LF CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	374.10	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-18.71	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0060 LF CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	960.80	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-48.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0061 LF CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	153.67	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0062 LF CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	203.57	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.18	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0063 LF CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	252.41	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0064 LF CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	328.02	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-16.40	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0065 LF CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	883.03	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-44.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0066 LF CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	162.85	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.14	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0067 LF CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	201.27	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0068 LF CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	267.75	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.39	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0069 LF CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II).....	280.76	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0070 LF CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III).....	482.01	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-24.10	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0071 LF CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE.....	88.06	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.40	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0072 LF CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE.....	131.12	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.56	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 65-0073 LF CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE.....	172.79	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.64	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe. For >1,000, Deduct 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	210.67 -10.53 0.97 1.22	
50 89 87 66 CORRUGATED METAL PIPE (50 89 87)				
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) Note: Includes 0.29 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	30.45 0.97 1.22	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 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	32.95 0.97 1.22	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 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	41.04 0.97 1.22	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 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	44.32 0.97 1.22	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	50.51 0.97 1.22	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	53.19 0.97 1.22	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) 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	56.17 0.97 1.22	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) 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	60.45 0.97 1.22	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	70.66 0.97 1.22	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	75.94 0.97 1.22	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	86.82 0.97 1.22	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	82.77 0.97 1.22	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	89.15 0.97 1.22	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	102.34 0.97 1.22	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	98.25 0.97 1.22	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	105.61 0.97 1.22	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	120.95 0.97 1.22	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) 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	108.87 0.97 1.22	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040 LF CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK) 336.66 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0041 LF CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK) 374.20 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0042 LF CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) 330.65 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0043 LF CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) 368.14 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0044 LF CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) 403.82 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0045 LF CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) 448.28 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0046 LF CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) 425.65 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0047 LF CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) 465.37 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0048 LF CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) 514.20 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0049 LF CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) 510.56 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0050 LF CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) 554.22 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0051 LF CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) 683.84 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0052 LF CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) 745.71 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0053 LF CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) 805.95 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0054 LF CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) 863.09 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0055 LF CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) 956.07 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0056 LF CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) 924.84 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0057 LF CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) 984.16 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0058 LF CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) 113.29 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0059 LF CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) 123.59 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0060 LF CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) 35.74 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0061 LF CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) 44.69 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
50 89 87 66-0062	LF CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		47.99		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0063	LF CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		55.11		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0064	LF CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		59.26		
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0065	LF CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		61.02		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0066	LF CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		65.32		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0067	LF CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		76.70		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0068	LF CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		82.04		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0069	LF CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		95.13		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0070	LF CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		90.09		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0071	LF CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		96.54		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0072	LF CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		110.80		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0073	LF CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		106.99		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0074	LF CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		114.40		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0075	LF CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		130.95		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0076	LF CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		114.21		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0077	LF CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		127.61		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0078	LF CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		146.48		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0079	LF CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....		163.62		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0080	LF CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK).....		158.25		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0081	LF CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK).....		168.71		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0082	LF CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....		191.96		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 66-0083	LF CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....		213.76		
	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		0.97		
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		



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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 66-0105	LF		CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....548.28 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0106	LF		CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....599.35 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0107	LF		CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....669.71 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0108	LF		CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....745.56 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0109	LF		CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....819.81 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0110	LF		CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....905.02 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0111	LF		CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....884.09 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0112	LF		CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....976.26 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0113	LF		CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....947.62 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0114	LF		CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....1,059.20 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0115	LF		CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....1,014.58 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0116	LF		CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....188.70 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0117	LF		CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK).....140.70 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0118	LF		CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....155.61 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0119	LF		CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....262.09 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0120	LF		CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....127.61 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0121	LF		CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK).....245.65 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0122	LF		CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....220.27 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0123	LF		CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....61.60 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0124	LF		CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....65.89 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		
50 89 87 66-0125	LF		CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....79.26 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 0.97 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.22		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126 LF CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	110.48	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0127 LF CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	120.32	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0128 LF CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	204.59	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0129 LF CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	119.75	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0130 LF CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	128.48	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0131 LF CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	67.70	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0132 LF CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	73.02	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0133 LF CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	124.48	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0134 LF CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	136.70	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0135 LF CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	174.87	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0136 LF CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK).....	204.77	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0137 LF CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	142.98	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0138 LF CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	241.36	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0139 LF CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	79.19	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0140 LF CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	96.78	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0141 LF CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	109.87	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0142 LF CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	114.00	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0143 LF CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	129.43	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0144 LF CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	120.55	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0145 LF CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	145.23	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0146 LF CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	160.53	
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	0.97	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	

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 66-0147	LF		CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	168.49	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0148	LF		CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	190.05	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0149	LF		CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	209.31	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0150	LF		CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	209.09	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0151	LF		CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	234.57	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0152	LF		CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	258.56	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0153	LF		CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	244.62	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0154	LF		CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	274.03	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0155	LF		CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	302.01	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0156	LF		CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	293.57	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0157	LF		CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	319.69	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0158	LF		CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	351.40	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0159	LF		CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	342.57	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0160	LF		CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	371.42	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0161	LF		CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	432.96	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0162	LF		CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	469.06	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0163	LF		CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	712.88	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0164	LF		CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK)	157.26	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0165	LF		CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK)	315.46	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0166	LF		CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	60.45	
			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	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0167	LF		CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	82.77	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0168	LF		CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	89.15	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	



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50 89 87 66-0169	LF CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	102.34 0.97 1.22	
50 89 87 66-0170	LF CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK)..... <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	44.69 0.97 1.22	
50 89 87 66-0171	LF CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK)..... Note: Includes 0.89 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	127.61 0.97 1.22	
50 89 87 67 STRUCTURAL PLATE CULVERTS (50 89 87)			
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) Note: Includes 4.05 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	970.80 0.97 1.22	
50 89 87 67-0002	LF CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK) Note: Includes 5.30 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,060.65 0.97 1.22	
50 89 87 67-0003	LF CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK) Note: Includes 6.22 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,177.03 0.97 1.22	
50 89 87 67-0004	LF CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK) 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1,353.08 0.97 1.22	
50 89 87 68 SUBSURFACE DRAINS (50 89 87)			
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) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	33.70 0.97 1.22	
50 89 87 68-0002	LF CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	45.36 0.97 1.22	
50 89 87 68-0003	LF CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	49.60 0.97 1.22	
50 89 87 68-0004	LF CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	64.01 0.97 1.22	
50 89 87 68-0005	LF CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) 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> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	69.56 0.97 1.22	
50 89 87 68-0006	LF CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	54.34 0.97 1.22	
50 89 87 69 OVERSIDE DRAINS (50 89 87)			
Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.			
50 89 87 69-0001	LF CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	32.37	
50 89 87 69-0002	LF CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	40.08	
50 89 87 69-0003	LF CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	43.36	
50 89 87 69-0004	LF CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN	52.09	
50 89 87 69-0005	LF CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	54.58	
50 89 87 69-0006	LF CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	58.86	
50 89 87 69-0007	LF CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	73.77	
50 89 87 69-0008	LF CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	84.64	
50 89 87 69-0009	LF CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	80.27	
50 89 87 69-0010	LF CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	86.64	
50 89 87 69-0011	LF CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	99.83	
50 89 87 69-0012	LF CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	104.37	
50 89 87 69-0013	LF CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	112.93	
50 89 87 69-0014	LF CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	130.40	
50 89 87 69-0015	LF CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	145.07	
50 89 87 69-0016	LF CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	150.62	
50 89 87 69-0017	LF CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	172.23	
50 89 87 69-0018	LF CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	190.89	
50 89 87 69-0019	LF CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	198.30	
50 89 87 69-0020	LF CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	223.93	
50 89 87 69-0021	LF CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	247.93	
50 89 87 69-0022	LF CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	258.65	
50 89 87 69-0023	LF CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	292.96	
50 89 87 69-0024	LF CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	324.82	
50 89 87 69-0025	LF CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	355.27	

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

50 89 87 69-0026	LF	CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	43.73	
50 89 87 69-0027	LF	CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	47.03	
50 89 87 69-0028	LF	CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	59.43	
50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	63.72	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	87.58	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	94.03	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	108.29	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	114.21	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	122.87	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	141.74	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	158.88	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	163.39	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	186.64	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	201.71	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	241.76	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	270.61	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	279.54	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	316.56	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	208.44	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	82.18	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	121.23	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	115.11	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	150.88	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	247.88	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	406.35	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN.....	51.66	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN.....	81.87	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY.....	687.85	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY.....	860.41	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY.....	966.82	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY.....	1,080.48	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY.....	1,330.23	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY.....	1,594.70	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY.....	1,859.35	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY.....	2,656.38	

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).....	204.26	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK).....	204.26	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK).....	229.89	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK).....	253.89	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK).....	308.01	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK).....	304.81	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK).....	336.66	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK).....	207.67	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	218.78	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK).....	247.72	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK).....	276.57	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	328.40	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK).....	112.11	30.43
For >1,000, Deduct			-5.61	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK).....	154.80	33.19
For >1,000, Deduct			-7.74	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK).....	175.22	34.78
For >1,000, Deduct			-8.76	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK).....	248.79	45.64
For >1,000, Deduct			-12.44	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK).....	325.16	77.31
For >1,000, Deduct			-16.26	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK).....	355.76	77.31
For >1,000, Deduct			-17.79	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK).....	385.37	89.20
For >1,000, Deduct			-19.27	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK).....	451.40	89.20
For >1,000, Deduct			-22.57	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK).....	448.13	104.07
For >1,000, Deduct			-22.41	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK).....	524.55	104.07
For >1,000, Deduct			-26.23	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK).....	592.11	124.88
For >1,000, Deduct			-29.61	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK).....	697.56	124.88
For >1,000, Deduct			-34.88	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK).....	1,184.40	139.75
For >1,000, Deduct			-59.22	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK).....	1,184.40	139.75
For >1,000, Deduct			-59.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027	LF		CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,359.95	157.59
			For >1,000, Deduct	-68.00	
50 89 87 70-0028	LF		CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	126.56	30.43
			For >1,000, Deduct	-6.33	
50 89 87 70-0029	LF		CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	170.90	33.19
			For >1,000, Deduct	-8.55	
50 89 87 70-0030	LF		CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	175.22	34.78
			For >1,000, Deduct	-8.76	
50 89 87 70-0031	LF		CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	276.07	45.64
			For >1,000, Deduct	-13.80	
50 89 87 70-0032	LF		CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	352.43	77.31
			For >1,000, Deduct	-17.62	
50 89 87 70-0033	LF		CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	386.07	77.31
			For >1,000, Deduct	-19.30	
50 89 87 70-0034	LF		CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	405.23	89.20
			For >1,000, Deduct	-20.26	
50 89 87 70-0035	LF		CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	493.58	104.07
			For >1,000, Deduct	-24.68	
50 89 87 70-0036	LF		CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	570.00	104.07
			For >1,000, Deduct	-28.50	
50 89 87 70-0037	LF		CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	646.65	124.88
			For >1,000, Deduct	-32.33	
50 89 87 70-0038	LF		CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	752.11	124.88
			For >1,000, Deduct	-37.61	
50 89 87 70-0039	LF		CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,248.03	139.75
			For >1,000, Deduct	-62.40	
50 89 87 70-0040	LF		CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,248.03	139.75
			For >1,000, Deduct	-62.40	
50 89 87 70-0041	LF		CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,432.67	157.59
			For >1,000, Deduct	-71.63	
50 89 87 70-0042	EA		CALTRANS 705007 12" STEEL FLARED END SECTION	508.85	73.17
50 89 87 70-0043	EA		CALTRANS 705009 15" STEEL FLARED END SECTION	590.35	78.40
50 89 87 70-0044	EA		CALTRANS 705011 18" STEEL FLARED END SECTION	707.99	83.63
50 89 87 70-0045	EA		CALTRANS 705013 21" STEEL FLARED END SECTION	882.85	91.46
50 89 87 70-0046	EA		CALTRANS 705015 24" STEEL FLARED END SECTION	1,159.62	99.31
50 89 87 70-0047	EA		CALTRANS 705016 27" STEEL FLARED END SECTION	1,452.85	99.31
50 89 87 70-0048	EA		CALTRANS 705019 30" STEEL FLARED END SECTION	1,751.29	112.38
50 89 87 70-0049	EA		CALTRANS 705023 36" STEEL FLARED END SECTION	2,990.81	134.73
50 89 87 70-0050	EA		CALTRANS 705027 42" STEEL FLARED END SECTION	3,826.21	157.19
50 89 87 70-0051	EA		CALTRANS 705031 48" STEEL FLARED END SECTION	5,480.43	179.65
50 89 87 70-0052	EA		CALTRANS 705035 54" STEEL FLARED END SECTION	6,069.94	224.55
50 89 87 70-0053	EA		CALTRANS 705037 60" STEEL FLARED END SECTION	8,179.85	269.46
50 89 87 70-0054	EA		CALTRANS 705039 66" STEEL FLARED END SECTION	9,213.18	404.19
50 89 87 70-0055	EA		CALTRANS 705041 72" STEEL FLARED END SECTION	10,736.63	538.93
50 89 87 70-0056	EA		CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	594.71	73.17
50 89 87 70-0057	EA		CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	692.84	78.40
50 89 87 70-0058	EA		CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	831.21	83.63
50 89 87 70-0059	EA		CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,047.64	91.46
50 89 87 70-0060	EA		CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,386.86	99.31
50 89 87 70-0061	EA		CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	1,747.73	99.31
50 89 87 70-0062	EA		CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,113.82	112.38
50 89 87 70-0063	EA		CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	3,638.25	134.73
50 89 87 70-0064	EA		CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	4,660.71	157.19
50 89 87 70-0065	EA		CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	6,698.11	179.65
50 89 87 70-0066	EA		CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	7,403.53	224.55
50 89 87 70-0067	EA		CALTRANS 705201 12" CONCRETE FLARED END SECTION	940.01	130.80
50 89 87 70-0068	EA		CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,132.74	163.03
50 89 87 70-0069	EA		CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,374.60	206.37
50 89 87 70-0070	EA		CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,575.30	246.78
50 89 87 70-0071	EA		CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,920.44	285.64
50 89 87 70-0072	EA		CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,312.12	456.18
50 89 87 70-0073	EA		CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,403.32	628.07
50 89 87 70-0074	EA		CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,250.14	792.67
50 89 87 70-0075	EA		CALTRANS 705212 42" CONCRETE FLARED END SECTION	3,905.76	994.55
50 89 87 70-0076	EA		CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,235.29	1,121.65
50 89 87 70-0077	EA		CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,748.36	1,256.27
50 89 87 70-0078	EA		CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,258.88	1,256.27
50 89 87 70-0079	EA		CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	751.13	83.63
50 89 87 70-0080	EA		CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	820.54	91.46
50 89 87 70-0081	EA		CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	884.98	99.31
50 89 87 70-0082	EA		CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,339.33	112.38
50 89 87 70-0083	EA		CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	2,573.12	134.73
50 89 87 70-0084	EA		CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	3,453.34	157.19
50 89 87 70-0085	EA		CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	5,335.22	179.65
50 89 87 70-0086	EA		CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	6,109.36	224.55
50 89 87 70-0087	EA		CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	7,379.24	269.46

50 89 87 71**EXISTING DRAINAGE FACILITIES** (50 89 87)

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 CALTRANS Standard.

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 71-0001	EA		CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	459.13	
50 89 87 71-0002	LF		CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF)	56.57	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-5.04	
			For >1,000 To 2,000, Deduct	-7.56	
			For >2,000 To 5,000, Deduct	-10.07	
			For >5,000, Deduct	-12.59	
50 89 87 71-0003	CY		CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	257.33	
50 89 87 71-0004	CY		CALTRANS 710370 SAND BACKFILL	56.14	
			For Up To 10, Add	15.02	
			For >10 To 25, Add	5.61	
50 89 87 71-0005	LF		CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	93.97	
			For >10 To 25, Add	62.96	
			For >25 To 50, Add	41.60	
			For >50 To 100, Add	20.80	
			For >500 To 1,000, Deduct	-2.84	
			For >1,000 To 2,000, Deduct	-5.25	
			For >2,000 To 5,000, Deduct	-8.09	
			For >5,000, Deduct	-12.91	
50 89 87 71-0006	LF		CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	133.91	
			For >10 To 25, Add	76.43	
			For >25 To 50, Add	51.60	
			For >50 To 100, Add	25.80	
			For >500 To 1,000, Deduct	-3.73	
			For >1,000 To 2,000, Deduct	-6.98	
			For >2,000 To 5,000, Deduct	-10.71	
			For >5,000, Deduct	-17.21	
50 89 87 71-0007	LF		CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	159.67	
			For >10 To 25, Add	87.28	
			For >25 To 50, Add	59.30	
			For >50 To 100, Add	29.65	
			For >500 To 1,000, Deduct	-4.35	
			For >1,000 To 2,000, Deduct	-8.18	
			For >2,000 To 5,000, Deduct	-12.53	
			For >5,000, Deduct	-20.18	
50 89 87 71-0008	LF		CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	254.42	
			For >10 To 25, Add	117.29	
			For >25 To 50, Add	81.90	
			For >50 To 100, Add	40.95	
			For >500 To 1,000, Deduct	-6.40	
			For >1,000 To 2,000, Deduct	-12.20	
			For >2,000 To 5,000, Deduct	-18.61	
			For >5,000, Deduct	-30.21	
50 89 87 71-0009	LF		CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	305.12	
			For >10 To 25, Add	136.90	
			For >25 To 50, Add	96.05	
			For >50 To 100, Add	48.02	
			For >500 To 1,000, Deduct	-7.58	
			For >1,000 To 2,000, Deduct	-14.49	
			For >2,000 To 5,000, Deduct	-22.08	
			For >5,000, Deduct	-35.90	
50 89 87 71-0010	LF		CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	394.66	
			For >10 To 25, Add	164.37	
			For >25 To 50, Add	116.89	
			For >50 To 100, Add	58.45	
			For >500 To 1,000, Deduct	-9.50	
			For >1,000 To 2,000, Deduct	-18.27	
			For >2,000 To 5,000, Deduct	-27.77	
			For >5,000, Deduct	-45.31	
50 89 87 71-0011	LF		CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	496.27	
			For >10 To 25, Add	195.75	
			For >25 To 50, Add	140.67	
			For >50 To 100, Add	70.34	
			For >500 To 1,000, Deduct	-11.68	
			For >1,000 To 2,000, Deduct	-22.56	
			For >2,000 To 5,000, Deduct	-34.24	
			For >5,000, Deduct	-56.00	
50 89 87 71-0012	LF		CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	662.81	
			For >10 To 25, Add	248.75	
			For >25 To 50, Add	180.55	
			For >50 To 100, Add	90.27	
			For >500 To 1,000, Deduct	-15.29	
			For >1,000 To 2,000, Deduct	-29.65	
			For >2,000 To 5,000, Deduct	-44.94	
			For >5,000, Deduct	-73.66	
50 89 87 71-0013	LF		CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	738.29	
			For >10 To 25, Add	276.78	
			For >25 To 50, Add	200.93	
			For >50 To 100, Add	100.47	
			For >500 To 1,000, Deduct	-17.02	
			For >1,000 To 2,000, Deduct	-33.01	
			For >2,000 To 5,000, Deduct	-50.03	
			For >5,000, Deduct	-82.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014	LF		CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	886.18	
			For >10 To 25, Add	325.11	
			For >25 To 50, Add	237.08	
			For >50 To 100, Add	118.54	
			For >500 To 1,000, Deduct	-20.26	
			For >1,000 To 2,000, Deduct	-39.36	
			For >2,000 To 5,000, Deduct	-59.62	
			For >5,000, Deduct	-97.82	
50 89 87 71-0015	LF		CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	1,035.62	
			For >10 To 25, Add	377.32	
			For >25 To 50, Add	275.54	
			For >50 To 100, Add	137.77	
			For >500 To 1,000, Deduct	-23.61	
			For >1,000 To 2,000, Deduct	-45.90	
			For >2,000 To 5,000, Deduct	-69.51	
			For >5,000, Deduct	-114.09	
50 89 87 71-0016	LF		CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,187.29	
			For >10 To 25, Add	435.13	
			For >25 To 50, Add	317.37	
			For >50 To 100, Add	158.68	
			For >500 To 1,000, Deduct	-27.13	
			For >1,000 To 2,000, Deduct	-52.72	
			For >2,000 To 5,000, Deduct	-79.84	
			For >5,000, Deduct	-131.02	
50 89 87 71-0017	LF		CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,554.15	
			For >10 To 25, Add	562.53	
			For >25 To 50, Add	411.36	
			For >50 To 100, Add	205.68	
			For >500 To 1,000, Deduct	-35.34	
			For >1,000 To 2,000, Deduct	-68.74	
			For >2,000 To 5,000, Deduct	-104.08	
			For >5,000, Deduct	-170.88	
50 89 87 71-0018	LF		CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	1,980.03	
			For >10 To 25, Add	732.47	
			For >25 To 50, Add	533.21	
			For >50 To 100, Add	266.60	
			For >500 To 1,000, Deduct	-45.41	
			For >1,000 To 2,000, Deduct	-88.17	
			For >2,000 To 5,000, Deduct	-133.58	
			For >5,000, Deduct	-219.11	
50 89 87 71-0019	LF		CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	186.83	
			For >500 To 1,000, Deduct	-1.62	
			For >1,000 To 2,000, Deduct	-3.24	
			For >2,000, Deduct	-6.48	
50 89 87 71-0020	LF		CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	211.08	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000 To 2,000, Deduct	-3.51	
			For >2,000, Deduct	-7.02	
50 89 87 71-0021	LF		CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	256.78	
			For >500 To 1,000, Deduct	-1.91	
			For >1,000 To 2,000, Deduct	-3.83	
			For >2,000, Deduct	-7.66	
50 89 87 71-0022	LF		CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	32.40	
50 89 87 71-0023	LF		CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	48.66	
50 89 87 71-0024	LF		CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	65.56	
50 89 87 71-0025	LF		CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	81.35	
50 89 87 71-0026	LF		CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	106.63	
50 89 87 71-0027	LF		CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	127.98	
50 89 87 71-0028	LF		CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	146.52	
50 89 87 71-0029	LF		CALTRANS 710448 12" CEMENTITIOUS PIPELINER	78.76	
50 89 87 71-0030	LF		CALTRANS 710450 15" CEMENTITIOUS PIPELINER	88.71	
50 89 87 71-0031	LF		CALTRANS 710452 18" CEMENTITIOUS PIPELINER	94.66	
50 89 87 71-0032	LF		CALTRANS 710454 21" CEMENTITIOUS PIPELINER	101.65	
50 89 87 71-0033	LF		CALTRANS 710456 24" CEMENTITIOUS PIPELINER	108.46	
50 89 87 71-0034	LF		CALTRANS 710458 27" CEMENTITIOUS PIPELINER	113.99	
50 89 87 71-0035	LF		CALTRANS 710460 30" CEMENTITIOUS PIPELINER	119.32	
50 89 87 71-0036	LF		CALTRANS 710462 36" CEMENTITIOUS PIPELINER	114.12	
50 89 87 71-0037	LF		CALTRANS 710478 36" WELDED STEEL PIPELINER	743.67	
50 89 87 71-0038	LF		CALTRANS 710480 42" WELDED STEEL PIPELINER	858.20	
50 89 87 71-0039	LF		CALTRANS 710482 48" WELDED STEEL PIPELINER	975.87	
50 89 87 71-0040	LF		CALTRANS 710484 54" WELDED STEEL PIPELINER	1,190.34	
50 89 87 71-0041	LF		CALTRANS 710486 60" WELDED STEEL PIPELINER	1,288.07	
50 89 87 71-0042	LF		CALTRANS 710488 66" WELDED STEEL PIPELINER	1,407.13	
50 89 87 71-0043	LF		CALTRANS 710490 72" WELDED STEEL PIPELINER	1,679.50	
50 89 87 71-0044	LF		CALTRANS 710491 78" WELDED STEEL PIPELINER	1,772.51	
50 89 87 71-0045	LF		CALTRANS 710492 84" WELDED STEEL PIPELINER	1,876.83	
50 89 87 71-0046	LF		CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	475.35	
50 89 87 71-0047	LF		CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	594.49	
50 89 87 71-0048	LF		CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	741.12	
50 89 87 71-0049	LF		CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	894.23	
50 89 87 71-0050	LF		CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	825.05	
50 89 87 71-0051	LF		CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	951.47	
50 89 87 71-0052	LF		CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,081.59	
50 89 87 71-0053	LF		CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,325.71	
50 89 87 71-0054	LF		CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,432.34	

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

50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,879.37
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	97.17
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	122.19
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	150.73
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	174.19
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	199.74
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	228.54
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	258.37
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	300.50
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	344.74
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	381.70
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	418.64
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	480.31
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	541.97
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	702.95
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	861.83
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	910.31
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	1,145.66
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	117.37
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	147.61
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	182.44
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	210.96
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	242.10
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	277.25
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	313.68
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	365.36
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	419.66
50 89 87 71-0082	LF	CALTRANS 710676 HDPE PLASTIC PIPELINER (34" OD SDR 26)	464.93
50 89 87 71-0083	LF	CALTRANS 710678 HDPE PLASTIC PIPELINER (36" OD SDR 26)	510.18
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	586.09
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	661.99
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	861.05
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	1,057.50
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	1,117.05
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	1,407.77
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	143.45
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	180.44
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	223.40
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	258.47
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	296.80
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	340.16
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	385.12
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	449.14
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	516.43
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	572.43
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	628.42
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	722.72
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	817.02
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	1,065.26
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	1,310.25
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	1,384.10
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,746.33

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"	30.57
		For Up To 20, Add	18.43
		For >20 To 50, Add	10.45
		For >50 To 100, Add	3.99
		For >500 To 1,000, Deduct	-3.99
		For >1,000, Deduct	-6.75
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	35.15
		For Up To 20, Add	20.58
		For >20 To 50, Add	11.65
		For >50 To 100, Add	4.47
		For >500 To 1,000, Deduct	-4.47
		For >1,000, Deduct	-7.58
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	32.26
		For Up To 20, Add	18.86
		For >20 To 50, Add	10.67
		For >50 To 100, Add	4.09
		For >500 To 1,000, Deduct	-4.09
		For >1,000, Deduct	-6.95
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	37.40
		For Up To 20, Add	21.03
		For >20 To 50, Add	11.87
		For >50 To 100, Add	4.58
		For >500 To 1,000, Deduct	-4.58
		For >1,000, Deduct	-7.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	52.03	
For Up To 20, Add	28.70	
For >20 To 50, Add	16.18	
For >50 To 100, Add	6.26	
For >500 To 1,000, Deduct	-6.26	
For >1,000, Deduct	-10.69	
50 89 88 73-0006 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	45.29	
For Up To 20, Add	24.30	
For >20 To 50, Add	13.67	
For >50 To 100, Add	5.31	
For >500 To 1,000, Deduct	-5.31	
For >1,000, Deduct	-9.10	
50 89 88 73-0007 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	63.77	
For Up To 20, Add	33.53	
For >20 To 50, Add	18.85	
For >50 To 100, Add	7.34	
For >500 To 1,000, Deduct	-7.34	
For >1,000, Deduct	-12.61	
50 89 88 73-0008 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	40.73	
For Up To 20, Add	27.69	
For >20 To 50, Add	15.47	
For >50 To 100, Add	6.11	
For >500 To 1,000, Deduct	-5.28	
For >1,000, Deduct	-8.94	
50 89 88 73-0009 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	49.32	
For Up To 20, Add	33.51	
For >20 To 50, Add	18.72	
For >50 To 100, Add	7.40	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-10.81	
50 89 88 73-0010 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	64.33	
For Up To 20, Add	43.74	
For >20 To 50, Add	24.45	
For >50 To 100, Add	9.65	
For >500 To 1,000, Deduct	-8.36	
For >1,000, Deduct	-14.15	
50 89 88 73-0011 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	67.75	
For Up To 20, Add	46.04	
For >20 To 50, Add	25.72	
For >50 To 100, Add	10.16	
For >500 To 1,000, Deduct	-8.78	
For >1,000, Deduct	-14.86	
50 89 88 73-0012 SF CALTRANS 730070 DETECTABLE WARNING SURFACE	57.26	
50 89 88 73-0013 CY CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	219.30	
For Up To 20, Add	14.70	
For >20 To 50, Add	5.51	
For >100 To 200, Deduct	-4.39	
For >200 To 400, Deduct	-8.77	
For >400, Deduct	-13.16	
50 89 88 73-0014 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	10.55	
For Up To 100, Add	4.57	
For >100 To 500, Add	1.30	
For >1,000 To 5,000, Deduct	-0.77	
For >5,000, Deduct	-1.69	
50 89 88 73-0015 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	12.37	
For Up To 100, Add	5.17	
For >100 To 500, Add	1.45	
For >1,000 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.87	
50 89 88 73-0016 LF CALTRANS 731700 REMOVE CURB	12.68	
50 89 88 73-0017 LF CALTRANS 731710 REMOVE CONCRETE CURB (LF)	20.32	
For Up To 20, Add	14.22	
For >20 To 50, Add	8.13	
For >50 To 100, Add	3.05	
For >500 To 1,000, Deduct	-3.05	
For >1,000, Deduct	-5.08	
50 89 88 73-0018 SY CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	111.45	
For Up To 100, Add	46.58	
For >100 To 500, Add	13.06	
For >1,000 To 5,000, Deduct	-7.49	
For >5,000, Deduct	-16.80	
50 89 88 73-0019 LF CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	33.97	
For Up To 20, Add	23.78	
For >20 To 50, Add	13.59	
For >50 To 100, Add	5.10	
For >500 To 1,000, Deduct	-5.10	
For >1,000, Deduct	-8.49	

50 89 88 78 INCIDENTAL CONSTRUCTION (50 89 88)

50 89 88 78-0001 EA CALTRANS 780210 SURVEY MONUMENT (TYPE A)	633.13
50 89 88 78-0002 EA CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	247.35
50 89 88 78-0003 SF CALTRANS 780433 PAINT CURB (2-COAT)	6.12

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 78-0004 SF CALTRANS 780460 ANTI-GRAFFITI COATING.....	1.92	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
50 89 88 78-0005 EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE).....	108.17	23.19
50 89 88 80 FENCES (50 89 88)		
Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRANS Standard.		
50 89 88 80-0001 LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST).....	13.59	
50 89 88 80-0002 LF CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST).....	14.42	
50 89 88 80-0003 LF CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST).....	16.51	
50 89 88 80-0004 LF CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST).....	15.31	
50 89 88 80-0005 LF CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST).....	12.76	
50 89 88 80-0006 LF CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST).....	17.34	
50 89 88 80-0007 LF CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)).....	8.22	
50 89 88 80-0008 LF CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD).....	47.50	
For Up To 100, Add	8.95	
For >100 To 250, Add	3.29	
For >2,500 To 5,000, Deduct	-1.64	
For >5,000, Deduct	-3.29	
50 89 88 80-0009 LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5).....	46.03	
For Up To 100, Add	8.70	
For >100 To 250, Add	3.20	
For >2,500 To 5,000, Deduct	-1.60	
For >5,000, Deduct	-3.20	
50 89 88 80-0010 LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4).....	47.57	
For Up To 100, Add	8.96	
For >100 To 250, Add	3.29	
For >2,500 To 5,000, Deduct	-1.64	
For >5,000, Deduct	-3.29	
50 89 88 80-0011 LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD).....	49.21	
For Up To 100, Add	9.20	
For >100 To 250, Add	3.37	
For >2,500 To 5,000, Deduct	-1.69	
For >5,000, Deduct	-3.37	
50 89 88 80-0012 LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5).....	51.13	
For Up To 100, Add	9.55	
For >100 To 250, Add	3.50	
For >2,500 To 5,000, Deduct	-1.75	
For >5,000, Deduct	-3.50	
50 89 88 80-0013 LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD).....	53.20	
For Up To 100, Add	9.86	
For >100 To 250, Add	3.60	
For >2,500 To 5,000, Deduct	-1.80	
For >5,000, Deduct	-3.60	
50 89 88 80-0014 LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6).....	55.36	
For Up To 100, Add	10.30	
For >100 To 250, Add	3.77	
For >2,500 To 5,000, Deduct	-1.88	
For >5,000, Deduct	-3.77	
50 89 88 80-0015 LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD).....	59.57	
For Up To 100, Add	10.94	
For >100 To 250, Add	3.98	
For >2,500 To 5,000, Deduct	-1.99	
For >5,000, Deduct	-3.98	
50 89 88 80-0016 LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM).....	57.24	
For Up To 100, Add	10.59	
For >100 To 250, Add	3.86	
For >2,500 To 5,000, Deduct	-1.93	
For >5,000, Deduct	-3.86	
50 89 88 80-0017 LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED).....	118.59	
For Up To 100, Add	20.29	
For >100 To 250, Add	7.18	
For >2,500 To 5,000, Deduct	-3.59	
For >5,000, Deduct	-7.18	
50 89 88 80-0018 LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8).....	65.18	
For Up To 100, Add	11.99	
For >100 To 250, Add	4.36	
For >2,500 To 5,000, Deduct	-2.18	
For >5,000, Deduct	-4.36	
50 89 88 80-0019 EA CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4).....	498.36	
50 89 88 80-0020 EA CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4).....	590.74	
50 89 88 80-0021 EA CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4).....	694.53	
50 89 88 80-0022 EA CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4).....	1,691.85	
50 89 88 80-0023 EA CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5).....	1,055.05	
50 89 88 80-0024 EA CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5).....	2,398.48	
50 89 88 80-0025 EA CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5).....	2,768.10	
50 89 88 80-0026 EA CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5).....	3,094.62	
50 89 88 80-0027 EA CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6).....	506.91	
50 89 88 80-0028 EA CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6).....	645.38	
50 89 88 80-0029 EA CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD).....	283.53	
50 89 88 80-0030 EA CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	664.45	
50 89 88 80-0031 EA CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED).....	684.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA		CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6).....	756.78	
50 89 88 80-0033	EA		CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6).....	878.30	
50 89 88 80-0034	EA		CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6).....	1,126.95	
50 89 88 80-0035	EA		CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	1,147.73	
50 89 88 80-0036	EA		CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6).....	1,249.24	
50 89 88 80-0037	EA		CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6).....	1,859.40	
50 89 88 80-0038	EA		CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6).....	2,207.69	
50 89 88 80-0039	EA		CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6).....	2,620.72	
50 89 88 80-0040	EA		CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6).....	2,974.76	
50 89 88 80-0041	EA		CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6).....	3,338.57	
50 89 88 80-0042	EA		CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6).....	3,706.97	
50 89 88 80-0043	EA		CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6).....	4,454.51	
50 89 88 80-0044	EA		CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7).....	3,522.33	
50 89 88 80-0045	LF		CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM)	67.05	
			For Up To 100, Add	12.27	
			For >100 To 250, Add	4.46	
			For >2,500 To 5,000, Deduct	-2.23	
			For >5,000, Deduct	-4.46	
50 89 88 80-0046	EA		CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8).....	797.93	
50 89 88 80-0047	EA		CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	817.00	
50 89 88 80-0048	EA		CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8).....	1,069.42	
50 89 88 80-0049	EA		CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	1,387.65	
50 89 88 80-0050	EA		CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD).....	1,572.72	
50 89 88 80-0051	LF		CALTRANS 803050 REMOVE CHAIN LINK FENCE	6.75	
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.68	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000, Deduct	-0.68	
50 89 88 80-0052	EA		CALTRANS 803060 REMOVE GATE	303.50	
50 89 88 80-0053	EA		CALTRANS 803160 RESET GATE	1,480.68	
50 89 88 80-0054	LF		CALTRANS 803180 RELOCATE CHAIN LINK FENCE	31.12	
50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES (50 89 80)					
50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES (50 89 89)					
50 89 89 81-0001	EA		CALTRANS 810120 REMOVE PAVEMENT MARKER	2.82	
			For >100, Deduct	-0.28	
50 89 89 81-0002	EA		CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE)	7.61	2.82
			For >100, Deduct	-0.76	
			For >100, Deduct	-0.76	
50 89 89 81-0003	EA		CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	8.81	2.82
			For >100, Deduct	-0.88	
			For >100, Deduct	-0.88	
50 89 89 81-0004	EA		CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED).....	82.00	34.36
50 89 89 82 SIGNS AND MARKERS (50 89 89)					
50 89 89 82-0001	EA		CALTRANS 820110 MILEPOST MARKER	207.99	
50 89 89 82-0002	SF		CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	25.90	39.33
50 89 89 82-0003	SF		CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	26.64	25.45
50 89 89 83 RAILINGS AND BARRIERS (50 89 89)					
50 89 89 83-0001	LF		CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST).....	62.06	11.13
50 89 89 83-0002	LF		CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	124.35	16.38
50 89 89 83-0003	LF		CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST)	147.02	3.06
50 89 89 83-0004	LF		CALTRANS 839752 REMOVE GUARDRAIL	11.13	
50 89 89 84 MARKINGS (50 89 89)					
50 89 89 84-0001	LF		CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE	2.14	
			For Up To 5,000 LF, Add	0.43	
			For >25,000 LF, Deduct	-0.32	
50 89 89 84-0002	LF		CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE	2.84	
			For Up To 5,000 LF, Add	0.57	
			For >25,000 LF, Deduct	-0.43	
50 89 89 84-0003	LF		CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4)	1.28	
			For Up To 5,000 LF, Add	0.26	
			For >25,000 LF, Deduct	-0.19	
50 89 89 84-0004	LF		CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.11	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
50 89 89 84-0005	SF		CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING	10.17	
50 89 89 84-0006	SF		CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	10.17	
50 89 89 84-0007	LF		CALTRANS 840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	0.73	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
50 89 89 84-0008	LF		CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	0.84	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.13	

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 84-0009	LF		CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	0.99	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
50 89 89 84-0010	LF		CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7).....	1.13	
			For Up To 5,000 LF, Add	0.23	
			For >25,000 LF, Deduct	-0.17	
50 89 89 84-0011	LF		CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12).....	1.57	
			For Up To 5,000 LF, Add	0.31	
			For >25,000 LF, Deduct	-0.24	
50 89 89 84-0012	LF		CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.30	
			For Up To 5,000 LF, Add	0.26	
			For >25,000 LF, Deduct	-0.20	
50 89 89 84-0013	LF		CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.80	
			For Up To 5,000 LF, Add	0.16	
			For >25,000 LF, Deduct	-0.12	
50 89 89 84-0014	LF		CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.97	
			For Up To 5,000 LF, Add	0.19	
			For >25,000 LF, Deduct	-0.15	
50 89 89 84-0015	LF		CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3).....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0016	LF		CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1).....	0.50	
			For Up To 5,000 LF, Add	0.10	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0017	LF		CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3).....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0018	LF		CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
50 89 89 84-0019	LF		CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7).....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0020	LF		CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12).....	0.63	
			For Up To 5,000 LF, Add	0.13	
			For >25,000 LF, Deduct	-0.09	
50 89 89 84-0021	LF		CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4).....	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0022	LF		CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.68	
			For Up To 5,000 LF, Add	0.14	
			For >25,000 LF, Deduct	-0.10	
50 89 89 84-0023	SF		CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	8.56	
50 89 89 84-0024	SF		CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS.....	7.05	
50 89 89 84-0025	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.35	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
50 89 89 84-0026	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.44	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
50 89 89 84-0027	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.55	
			For Up To 5,000 LF, Add	0.11	
			For >25,000 LF, Deduct	-0.08	
50 89 89 84-0028	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.67	
			For Up To 5,000 LF, Add	0.13	
			For >25,000 LF, Deduct	-0.10	
50 89 89 84-0029	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	0.86	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.13	
50 89 89 84-0030	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.10	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
50 89 89 84-0031	SF		CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	6.96	
50 89 89 84-0032	SF		CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	10.58	
50 89 89 84-0033	LF		CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE.....	2.30	
			For Up To 250, Add	1.15	
			For >250 To 1,000, Add	0.58	
			For >5,000 To 10,000, Deduct	-0.35	
			For >10,000 To 25,000, Deduct	-0.58	
			For >25,000 To 50,000, Deduct	-0.81	
			For >50,000, Deduct	-0.92	
50 89 89 84-0034	SF		CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	3.96	
			For Up To 250, Add	1.98	
			For >250 To 1,000, Add	0.99	
			For >5,000 To 10,000, Deduct	-0.59	
			For >10,000 To 25,000, Deduct	-0.99	
			For >25,000 To 50,000, Deduct	-1.39	
			For >50,000, Deduct	-1.58	
50 89 89 84-0035	LF		CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE	3.49	
			For Up To 250, Add	1.75	
			For >250 To 1,000, Add	0.87	
			For >5,000 To 10,000, Deduct	-0.52	
			For >10,000 To 25,000, Deduct	-0.87	
			For >25,000 To 50,000, Deduct	-1.22	
			For >50,000, Deduct	-1.40	



MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
50 89 89 84-0036	SF	CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	5.05	
		For Up To 250, Add	2.53	
		For >250 To 1,000, Add	1.26	
		For >5,000 To 10,000, Deduct	-0.76	
		For >10,000 To 25,000, Deduct	-1.26	
		For >25,000 To 50,000, Deduct	-1.77	
		For >50,000, Deduct	-2.02	

END OF SECTION 50

50	50	Custom Standards And Assemblies
	50 89	CALTRANS Custom Standards And Assemblies
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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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