



Job Order Contract Construction Task Catalog®

CSI Divisions 01-50 2025

County of Monterey Public Works

Striping And Signage



This Page Intentionally Left Blank

00 Using The Construction Task Catalog® 1
01 General Requirements 1

01 10 Summary	1
01 11 Summary Of Work	1
01 20 Price and Payment Procedures	1
01 22 Unit Prices	1
01 40 Quality Requirements	45
01 41 Regulatory Requirements	45
01 42 References	45
01 45 Quality Control	45
01 50 Temporary Facilities and Controls	48
01 51 Temporary Utilities	48
01 52 Construction Facilities	48
01 53 Temporary Construction	50
01 54 Construction Aids	50
01 55 Vehicular Access and Parking	52
01 56 Temporary Barriers and Enclosures	59
01 57 Temporary Controls	69
01 58 Project Identification	69
01 60 Product Requirements	70
01 66 Product Storage and Handling Requirements	70
01 70 Execution and Closeout Requirements	70
01 71 Examination and Preparation	70
01 74 Cleaning and Waste Management	75

02 Existing Conditions 1

02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition and Structure Moving	2
02 41 Demolition	2
02 43 Structure Moving	15
02 60 Contaminated Site Material Removal	15
02 61 Removal and Disposal of Contaminated Soils	15
02 65 Underground Storage Tank Removal	16
02 80 Facility Remediation	19
02 81 Transportation and Disposal of Hazardous Materials	19
02 82 Asbestos Remediation	19
02 83 Lead Remediation	23
02 86 Hazardous Waste Drum Handling	26
02 87 Bio-Hazard Material Remediation	27
02 89 Hazmat Ancillary Tasks and Support	29

10 Specialties 1

10 10 Information Specialties	1
10 14 Signage	1
10 80 Other Specialties	7
10 81 Pest Control Devices	7

32 Exterior Improvements 1

32 01 Operation and Maintenance of Exterior Improvements	1
32 01 11 Paving Cleaning	1
32 10 Bases, Ballasts, and Paving	2
32 17 Paving Specialties	2
32 18 Athletic and Recreational Surfacing	16

50 Custom Standards And Assemblies 1

50 89 CALTRANs Custom Standards And Assemblies	1
50 89 80 CALTRANs Construction Performance Requirements	1

Table of Contents

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*.



MasterFormat® is produced jointly by CSI and Construction Specifications Canada (CSC). U.S. copyright is held by CSI and Canadian copyright by CSC. All Rights Reserved. For license information, contact CSI at csci@csinet.org. For more information on MasterFormat visit www.MasterFormat.com

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.

2025

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.

Using The Construction Task Catalog®

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

PROJECT RELATED COSTS:

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

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

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	-------------------

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

General Rules:

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

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

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

DEMOLITION:

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

WORKING HEIGHT:

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

Using The Construction Task Catalog®

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

Using The Construction Task Catalog®

(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

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

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

Using The Construction Task Catalog®

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

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.

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

0

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**01 General Requirements****01 10 Summary****01 11 Summary Of Work****01 11 13 Work Covered by Contract Documents**

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 22 Unit Prices****01 22 16 Unit Price Payment****01 22 16 00-0001 Negotiated Travel Costs**

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

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 20 00-0001 Local Labor/Wage Rates**

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 Apprentice, Deduct -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)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	132.68 6.63	
01 22 20 00-0014	HR	Equipment Operator, Crane (Group 3-A)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	130.15	
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 3)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	129.58 6.48 -25.92	
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 4)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	127.56	
01 22 20 00-0017	HR	Equipment Operator, Medium (Group 5)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	125.71	
01 22 20 00-0018	HR	Equipment Operator, Light (Group 6)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	123.79 6.19 -24.76	
01 22 20 00-0019	HR	Equipment Operator, Light (Group 7)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.13	
01 22 20 00-0020	HR	Equipment Operator, Light (Group 8)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	120.46	
01 22 20 00-0021	HR	Laborer	91.77	
01 22 20 00-0022	HR	Landscape Maintenance Laborer	91.77	
01 22 20 00-0023	HR	Millwright..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	130.78 6.54 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	4.79 -19.17	
01 22 20 00-0025	HR	Painter, Ordinary..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	109.82 5.49 -21.96	
01 22 20 00-0026	HR	Painter, Structural Steel..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	114.13 5.71 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	7.22 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	6.06 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	6.42 -25.67	
01 22 20 00-0030	HR	Powderman..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	96.23 4.81 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	5.50 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	6.88 -27.52	
01 22 20 00-0033	HR	Stone Mason..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	113.33 5.67 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	5.67 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	5.42 -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. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	6.00 -24.01	
01 22 20 00-0037	HR	Truck Driver, Light (Group 1)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	99.04 4.95 -19.81	



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

Σ

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	UNIT COST
01 22 20 00-0038	HR		Truck Driver, Medium (Group 2)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	99.49		
01 22 20 00-0039	HR		Truck Driver, Heavy (Group 3)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	99.93		
			For Foreperson, Add	5.00		
			For Apprentice, Deduct	-19.99		
01 22 20 00-0040	HR		Truck Driver, Heavy (Group 4)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.46		
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 <small>(01 22 20)</small>			
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).....	.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 <small>(01 22 20)</small>			
			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 <small>(01 22 20)</small>			
			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 <small>(01 22 20)</small>			
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 <small>(01 22 20)</small>			
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 <small>(01 22)</small>			
			Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0065 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.			
01 22 23 00-0001			Aerial Equipment <small>(01 22 23)</small>			
01 22 23 00-0002			Man Lifts <small>(01 22 23 00-0001)</small>			
			Note: Excludes operator, delivery, set-up, and removal.			
01 22 23 00-0003			Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0002)</small>			

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 23 00-0004	Engine Powered, Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0003)</small>		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	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 <small>(01 22 23 00-0002)</small>		
01 22 23 00-0021	Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0020)</small>		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	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 <small>(01 22 23 00-0020)</small>		
	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	



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

Σ

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	
01 22 23 00-0040	MO	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-100.08		
01 22 23 00-0041	DAY	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-100.08		
01 22 23 00-0044	DAY	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-110.03		
01 22 23 00-0047	DAY	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-110.03		
01 22 23 00-0050	Platform Lifts <small>(01 22 23 00-0001)</small>					
	Note: Excludes operator, delivery, set-up, and removal.					
01 22 23 00-0051	Electric, Scissor Platform Lifts <small>(01 22 23 00-0050)</small>					
	Note: For use on paved surfaces.					
01 22 23 00-0052	DAY	17'	Electric, Scissor Platform Lift	191.65		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-31.36		
01 22 23 00-0055	DAY	20'	Electric, Scissor Platform Lift	209.08		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-33.45		
01 22 23 00-0058	DAY	25'	Electric, Scissor Platform Lift	270.06		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-46.35		
01 22 23 00-0061	DAY	30'	Electric, Scissor Platform Lift	348.46		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-60.98		
01 22 23 00-0064	DAY	33'	Electric, Scissor Platform Lift	374.59		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-66.21		
01 22 23 00-0067	DAY	40'	Electric, Scissor Platform Lift	487.84		
	<i>For Half Day Usage, Deduct</i>			-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		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-134.85		
01 22 23 00-0070	Engine Powered, Scissor Platform Lifts <small>(01 22 23 00-0050)</small>					
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.					
01 22 23 00-0071	DAY	25'	Engine Powered, Scissor Platform Lift	475.90		
	<i>For Four-Wheel Drive, Add</i>			95.18		
	<i>For Half Day Usage, Deduct</i>			-148.72		
01 22 23 00-0072	WK	25'	Engine Powered, Scissor Platform Lift	930.64		
	<i>For Four-Wheel Drive, Add</i>			186.13		
01 22 23 00-0073	MO	25'	Engine Powered, Scissor Platform Lift	2,273.73		
	<i>For Four-Wheel Drive, Add</i>			454.75		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-90.95		
01 22 23 00-0074	DAY	33'	Engine Powered, Scissor Platform Lift	486.47		
	<i>For Four-Wheel Drive, Add</i>			97.29		
	<i>For Half Day Usage, Deduct</i>			-152.02		
01 22 23 00-0075	WK	33'	Engine Powered, Scissor Platform Lift	1,110.43		
	<i>For Four-Wheel Drive, Add</i>			222.09		
01 22 23 00-0076	MO	33'	Engine Powered, Scissor Platform Lift	2,432.36		
	<i>For Four-Wheel Drive, Add</i>			486.47		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-97.29		
01 22 23 00-0077	DAY	40'	Engine Powered, Scissor Platform Lift	539.35		
	<i>For Four-Wheel Drive, Add</i>			107.87		
	<i>For Half Day Usage, Deduct</i>			-168.55		
01 22 23 00-0078	WK	40'	Engine Powered, Scissor Platform Lift	1,237.33		
	<i>For Four-Wheel Drive, Add</i>			247.47		
01 22 23 00-0079	MO	40'	Engine Powered, Scissor Platform Lift	2,749.63		
	<i>For Four-Wheel Drive, Add</i>			549.93		
	<i>For >6 Months (>26 Weeks), Deduct</i>			-109.99		

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 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	1,332.51 266.50
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	2,347.76 469.55
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	5,830.21 -3,997.39
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	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	6,080.14 -3,997.39
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	6,441.15 -3,997.39
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


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,319.22 -17,322.02 -399.89
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,354.60 -799.48 -865.72
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	8,662.75 -3,997.39
01 22 23 00-0120	MO 85' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	30,096.22 -17,322.02 -510.97
01 22 23 00-0121	Day 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,465.68 -799.48 -920.43
01 22 23 00-0122	WK 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct	8,995.99 -3,997.39
01 22 23 00-0123	MO 105' Bucket Truck With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	30,362.81 -17,322.02 -521.63
01 22 23 00-0124	Air Equipment <small>(01 22 23)</small>	
01 22 23 00-0125	Air Compressors <small>(01 22 23 00-0124)</small>	
	Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-0126	DAY 100 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	172.85 -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 For >6 Months (>26 Weeks), Deduct	1,440.44 -57.62
01 22 23 00-0129	DAY 130 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	207.42 -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 For >6 Months (>26 Weeks), Deduct	1,728.52 -69.14
01 22 23 00-0132	DAY 185 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	276.56 -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 For >6 Months (>26 Weeks), Deduct	1,371.30 -54.85
01 22 23 00-0135	DAY 375 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	391.80 -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 For >6 Months (>26 Weeks), Deduct	2,362.32 -94.49
01 22 23 00-0138	DAY 600 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	871.18 -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 For >6 Months (>26 Weeks), Deduct	5,227.06 -209.08
01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,048.64 -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 For >6 Months (>26 Weeks), Deduct	6,337.92 -253.52
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,048.64 -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 For >6 Months (>26 Weeks), Deduct	6,337.92 -253.52
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,221.49 -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 For >6 Months (>26 Weeks), Deduct	7,301.29 -292.05
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor For Half Day Usage, Deduct	1,521.10 -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 For >6 Months (>26 Weeks), Deduct	9,126.61 -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 For Half Day Usage, Deduct	109.47 -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 For >6 Months (>26 Weeks), Deduct	1,358.66 -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

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 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	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

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 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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0230	MO 1" x 6' x 8' Steel Plate	239.39		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-564.01
01 22 23 00-0256	WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,824.65
	For Equipment Without Operator, Deduct	-4,951.50
01 22 23 00-0257	MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	24,567.37
	For Equipment Without Operator, Deduct	-21,456.52
	For >6 Months (>26 Weeks), Deduct	-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.	
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-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.	
	For Equipment Without Operator, Deduct	-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.	
	For Equipment Without Operator, Deduct	-21,456.52
	For >6 Months (>26 Weeks), Deduct	-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
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-617.86
01 22 23 00-0264	WK 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,981.66
	For Equipment Without Operator, Deduct	-4,951.50
01 22 23 00-0265	MO 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,937.45
	For Equipment Without Operator, Deduct	-21,456.52
	For >6 Months (>26 Weeks), Deduct	-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
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-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
	For Equipment Without Operator, Deduct	-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
	For Equipment Without Operator, Deduct	-21,456.52
	For >6 Months (>26 Weeks), Deduct	-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
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-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
	For Equipment Without Operator, Deduct	-4,951.50



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

Σ

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

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	-267.81
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

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 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 <small>(01 22 23 00-0261)</small>		
	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 <small>(01 22 23 00-0261)</small>		
	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	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	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..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,135.34 -1,036.62 -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..... For Equipment Without Operator, Deduct	9,564.55 -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..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	35,591.05 -22,460.03 -525.24		
01 22 23 00-0377	DAY Thumbs Or Grapple Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	93.79 -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..... For >6 Months (>26 Weeks), Deduct	1,071.92 -42.88		
01 22 23 00-0380	DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	415.37 -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..... For >6 Months (>26 Weeks), Deduct	3,075.07 -123.00		
01 22 23 00-0383	DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	643.15 -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..... For >6 Months (>26 Weeks), Deduct	4,267.58 -170.70		
01 22 23 00-0386	DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	897.73 -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..... For >6 Months (>26 Weeks), Deduct	6,779.89 -271.20		
01 22 23 00-0389	DAY 24" Compaction Wheel Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	187.59 -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..... For >6 Months (>26 Weeks), Deduct	2,251.03 -90.04		
01 22 23 00-0392	DAY 36" Compaction Wheel Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	267.98 -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..... For >6 Months (>26 Weeks), Deduct	3,215.76 -128.63		
01 22 23 00-0395	DAY 48" Compaction Wheel Attachment For Hydraulic Excavators..... For Half Day Usage, Deduct	294.78 -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..... For >6 Months (>26 Weeks), Deduct	3,483.74 -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..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,318.00 -1,036.62 -606.24		
01 22 23 00-0400	WK 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct	5,980.32 -5,183.08		
01 22 23 00-0401	MO 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,215.30 -22,460.03 -70.21		
01 22 23 00-0402	DAY 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,324.70 -1,036.62 -608.34		
01 22 23 00-0403	WK 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct	6,000.42 -5,183.08		
01 22 23 00-0404	MO 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,637.37 -22,460.03 -87.09		
01 22 23 00-0405	DAY 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,358.20 -1,036.62 -618.80		
01 22 23 00-0406	WK 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct	6,094.21 -5,183.08		
01 22 23 00-0407	MO 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,697.66 -22,460.03 -89.51		
01 22 23 00-0408	DAY 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,371.60 -1,036.62 -622.99		
01 22 23 00-0409	WK 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct	6,141.11 -5,183.08		
01 22 23 00-0410	MO 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,724.46 -22,460.03 -90.58		
01 22 23 00-0411	DAY 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,451.99 -1,036.62 -648.11		
01 22 23 00-0412	WK 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator..... For Equipment Without Operator, Deduct	6,208.10 -5,183.08		



MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				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) <small>(01 22 23 00-0261)</small>					
	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 <small>(01 22 23 00-0261)</small>					
	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 <small>(01 22 23 00-0261)</small>					
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0435	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator		1,485.15		
	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		

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 23 00-0443	MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	26,520.85 -22,460.03 -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..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,937.69 -1,036.62 -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..... For Equipment Without Operator, Deduct	7,585.93 -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..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,340.19 -22,460.03 -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..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,524.93 -1,036.62 -670.91
01 22 23 00-0449	WK 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	7,113.79 -5,183.08
01 22 23 00-0450	MO 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,244.65 -22,460.03 -231.38
01 22 23 00-0451	DAY 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,930.61 -1,036.62 -797.68
01 22 23 00-0452	WK 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	7,557.03 -5,183.08
01 22 23 00-0453	MO 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,470.03 -22,460.03 -240.40
01 22 23 00-0454	DAY 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,020.76 -1,036.62 -825.85
01 22 23 00-0455	WK 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	7,797.43 -5,183.08
01 22 23 00-0456	MO 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,071.03 -22,460.03 -264.44
01 22 23 00-0457	DAY 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,268.67 -1,036.62 -903.33
01 22 23 00-0458	WK 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	8,451.02 -5,183.08
01 22 23 00-0459	MO 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	30,723.78 -22,460.03 -330.55
01 22 23 00-0460	DAY 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,907.23 -1,036.62 -1,102.88
01 22 23 00-0461	WK 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	12,650.50 -5,183.08
01 22 23 00-0462	MO 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	44,847.28 -22,460.03 -895.49
01 22 23 00-0463	DAY 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	7,114.16 -1,036.62 -2,417.54
01 22 23 00-0464	WK 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	24,918.21 -5,183.08
01 22 23 00-0465	MO 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	76,243.60 -22,460.03 -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..... For Half Day Usage, Deduct	501.41 -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..... For >6 Months (>26 Weeks), Deduct	3,259.16 -130.37
01 22 23 00-0470	DAY 30 To 35 HP Tractor..... For Half Day Usage, Deduct	519.54 -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..... For >6 Months (>26 Weeks), Deduct	3,703.09 -148.12
01 22 23 00-0473	DAY 40 To 45 HP Tractor..... For Half Day Usage, Deduct	530.59 -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..... For >6 Months (>26 Weeks), Deduct	3,913.12 -156.52
01 22 23 00-0476	DAY 80 To 89 HP Tractor..... For Half Day Usage, Deduct	683.14 -213.48
01 22 23 00-0477	WK 80 To 89 HP Tractor.....	1,937.32



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

Σ

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 22 23 00-0478	MO 80 To 89 HP Tractor	5,547.12
01 22 23 00-0479	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 <small>(01 22 23 00-0261)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
 01 22 23 00-0486	 Aluminum Hydraulic Shoring <small>(01 22 23 00-0485)</small>	
	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 <small>(01 22 23 00-0261)</small>	
	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

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 23 00-0526	MO 8' x 14' Trench Box With Up To 48" Spreaders..... For >6 Months (>26 Weeks), Deduct	2,015.40 -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..... For >6 Months (>26 Weeks), Deduct	1,385.59 -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..... For >6 Months (>26 Weeks), Deduct	1,889.44 -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..... For >6 Months (>26 Weeks), Deduct	2,267.32 -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..... For >6 Months (>26 Weeks), Deduct	1,637.51 -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..... For >6 Months (>26 Weeks), Deduct	2,267.32 -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..... For >6 Months (>26 Weeks), Deduct	2,645.21 -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..... For >6 Months (>26 Weeks), Deduct	2,267.32 -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..... For >6 Months (>26 Weeks), Deduct	2,771.18 -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..... For >6 Months (>26 Weeks), Deduct	3,023.10 -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..... For >6 Months (>26 Weeks), Deduct	75.58 -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..... For >6 Months (>26 Weeks), Deduct	453.46 -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 -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..... For >6 Months (>26 Weeks), Deduct	1,190.35 -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..... For >6 Months (>26 Weeks), Deduct	1,700.49 -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..... For Half Day Usage, Deduct	28.76 -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..... For >6 Months (>26 Weeks), Deduct	143.78 -5.75
01 22 23 00-0569	DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat..... For Half Day Usage, Deduct	30.19 -9.43



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

0

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0620	Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)..... <i>For Half Day Usage, Deduct</i>	20.34	-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™)..... <i>For >6 Months (>26 Weeks), Deduct</i>	152.55	-6.10	
01 22 23 00-0623	Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)..... <i>For Half Day Usage, Deduct</i>	27.54	-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™)..... <i>For >6 Months (>26 Weeks), Deduct</i>	206.54	-8.26	
01 22 23 00-0626	Day 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)..... <i>For Half Day Usage, Deduct</i>	23.81	-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™)..... <i>For >6 Months (>26 Weeks), Deduct</i>	178.57	-7.14	
01 22 23 00-0629	Day 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)..... <i>For Half Day Usage, Deduct</i>	39.71	-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™)..... <i>For >6 Months (>26 Weeks), Deduct</i>	297.83	-11.91	
01 22 23 00-0632	Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)..... <i>For Half Day Usage, Deduct</i>	42.33	-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™)..... <i>For >6 Months (>26 Weeks), Deduct</i>	317.47	-12.70	
01 22 23 00-0635	Electrical Equipment <small>(01 22 23)</small>			
01 22 23 00-0636	Tripod Mounted Floodlights <small>(01 22 23 00-0635)</small>			
	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..... <i>For Half Day Usage, Deduct</i>	65.05	-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..... <i>For >6 Months (>26 Weeks), Deduct</i>	325.25	-13.01	
01 22 23 00-0640	DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod..... <i>For Half Day Usage, Deduct</i>	65.05	-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..... <i>For >6 Months (>26 Weeks), Deduct</i>	563.24	-22.53	
01 22 23 00-0643	DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod..... <i>For Half Day Usage, Deduct</i>	72.98	-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..... <i>For >6 Months (>26 Weeks), Deduct</i>	483.91	-19.36	
01 22 23 00-0646	Trailer Mounted Floodlights <small>(01 22 23 00-0635)</small>			
	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..... <i>For Half Day Usage, Deduct</i>	182.46	-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..... <i>For >6 Months (>26 Weeks), Deduct</i>	872.63	-34.91	
01 22 23 00-0650	Generator Sets <small>(01 22 23 00-0635)</small>			
01 22 23 00-0651	Portable, Gas Powered Generator Sets <small>(01 22 23 00-0650)</small>			
	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..... <i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>	51.27		
	<i>For LP Or NG Gas, Add</i>	6.41		
	<i>For Half Day Usage, Deduct</i>	-16.02		
01 22 23 00-0653	WK 3.6 KW Gas Powered Generator Set..... <i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>	184.82		
	<i>For LP Or NG Gas, Add</i>	23.10		
01 22 23 00-0654	MO 3.6 KW Gas Powered Generator Set..... <i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>	512.73		
	<i>For LP Or NG Gas, Add</i>	64.09		
	<i>For >6 Months (>26 Weeks), Deduct</i>	-20.51		
01 22 23 00-0655	DAY 5 KW Gas Powered Generator Set..... <i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>	72.74		
	<i>For LP Or NG Gas, Add</i>	9.09		
	<i>For Half Day Usage, Deduct</i>	-22.73		
01 22 23 00-0656	WK 5 KW Gas Powered Generator Set..... <i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>	232.52		
	<i>For LP Or NG Gas, Add</i>	29.07		
01 22 23 00-0657	MO 5 KW Gas Powered Generator Set..... <i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>	530.62		
	<i>For LP Or NG Gas, Add</i>	66.33		
	<i>For >6 Months (>26 Weeks), Deduct</i>	-21.22		



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

Σ

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	
01 22 23 00-0658	DAY	6.5 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 0.975 gallons per hour For LP Or NG Gas, Add For Half Day Usage, Deduct	93.01 11.63 -29.07		
01 22 23 00-0659	WK	6.5 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 0.975 gallons per hour For LP Or NG Gas, Add	250.40 31.30		
01 22 23 00-0660	MO	6.5 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 0.975 gallons per hour For LP Or NG Gas, Add For >6 Months (>26 Weeks), Deduct	691.59 86.45 -27.66		
01 22 23 00-0661	DAY	10 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.35 gallons per hour For LP Or NG Gas, Add For Half Day Usage, Deduct	103.74 12.97 -32.42		
01 22 23 00-0662	WK	10 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.35 gallons per hour For LP Or NG Gas, Add	280.21 35.03		
01 22 23 00-0663	MO	10 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.35 gallons per hour For LP Or NG Gas, Add For >6 Months (>26 Weeks), Deduct	804.87 100.61 -32.19		
01 22 23 00-0664	DAY	15 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.70 gallons per hour For LP Or NG Gas, Add For Half Day Usage, Deduct	189.95 23.74 -59.36		
01 22 23 00-0665	WK	15 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour For LP Or NG Gas, Add	539.61 67.45		
01 22 23 00-0666	MO	15 KW Gas Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour For LP Or NG Gas, Add For >6 Months (>26 Weeks), Deduct	1,165.57 145.70 -46.62		
01 22 23 00-0667	Towable, Diesel Powered Generator Sets	<i>(01 22 23 00-0650)</i>			
		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..... 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 For >16 To 24 Hours Usage Per Day, Add	213.44 85.38 170.75		
01 22 23 00-0669	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	558.04 223.22 446.43		
01 22 23 00-0670	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	1,520.31 608.12 1,216.25 -60.81		
01 22 23 00-0671	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >16 To 24 Hours Usage Per Day, Add	371.13 148.45 296.90		
01 22 23 00-0672	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	1,101.42 440.57 881.14		
01 22 23 00-0673	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	2,274.68 909.87 1,819.74 -90.99		
01 22 23 00-0674	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >16 To 24 Hours Usage Per Day, Add	407.05 162.82 325.64		
01 22 23 00-0675	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 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 For >80 Hours Usage Per Week, Add	1,137.34 454.94 909.87		

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices

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



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

Σ

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0692	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set	658.46
		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	263.38
		For >16 To 24 Hours Usage Per Day, Add	526.77
01 22 23 00-0693	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,825.73
		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	730.29
		For >80 Hours Usage Per Week, Add	1,460.58
01 22 23 00-0694	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,147.96
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	
		For >160 To 320 Hours Usage Per Month, Add	2,059.18
		For >320 Hours Usage Per Month, Add	4,118.37
		For >6 Months (>26 Weeks), Deduct	-205.92
01 22 23 00-0695	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	688.39
		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	275.36
		For >16 To 24 Hours Usage Per Day, Add	550.71
01 22 23 00-0696	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,975.38
		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	790.15
		For >80 Hours Usage Per Week, Add	1,580.30
01 22 23 00-0697	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,387.40
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	
		For >160 To 320 Hours Usage Per Month, Add	2,154.96
		For >320 Hours Usage Per Month, Add	4,309.92
		For >6 Months (>26 Weeks), Deduct	-215.50
01 22 23 00-0698	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	718.32
		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	287.33
		For >16 To 24 Hours Usage Per Day, Add	574.66
01 22 23 00-0699	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,095.10
		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	838.04
		For >80 Hours Usage Per Week, Add	1,676.08
01 22 23 00-0700	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,626.84
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	
		For >160 To 320 Hours Usage Per Month, Add	2,250.74
		For >320 Hours Usage Per Month, Add	4,501.47
		For >6 Months (>26 Weeks), Deduct	-225.07
01 22 23 00-0701	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	718.32
		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	287.33
		For >16 To 24 Hours Usage Per Day, Add	574.66
01 22 23 00-0702	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,095.10
		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	838.04
		For >80 Hours Usage Per Week, Add	1,676.08
01 22 23 00-0703	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,626.84
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	
		For >160 To 320 Hours Usage Per Month, Add	2,250.74
		For >320 Hours Usage Per Month, Add	4,501.47
		For >6 Months (>26 Weeks), Deduct	-225.07
01 22 23 00-0704	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	987.69
		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	395.08
		For >16 To 24 Hours Usage Per Day, Add	790.15
01 22 23 00-0705	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,454.26
		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	981.70
		For >80 Hours Usage Per Week, Add	1,963.41
01 22 23 00-0706	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,183.20
		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	2,873.28
		For >320 Hours Usage Per Month, Add	5,746.56
		For >6 Months (>26 Weeks), Deduct	-287.33
01 22 23 00-0707	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,047.55
		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	419.02
		For >16 To 24 Hours Usage Per Day, Add	838.04

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



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



MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION 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 17,853.12 -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		

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 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..... <i>For Half Day Usage, Deduct</i>	26.34 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	138.28 -5.53	
01 22 23 00-0747	DAY 50', 4/0 Cable With Camlock Ends For Generator Set..... <i>For Half Day Usage, Deduct</i>	13.17 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	106.55 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	1,930.46 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	4,712.20 -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)..... <i>For Half Day Usage, Deduct</i>	64.65 -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)..... <i>For >6 Months (>26 Weeks), Deduct</i>	472.89 -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..... <i>For Half Day Usage, Deduct</i>	143.66 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	1,089.45 -43.58	
01 22 23 00-0765	DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel..... <i>For Half Day Usage, Deduct</i>	117.33 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	867.97 -34.72	
01 22 23 00-0768	DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel..... <i>For Half Day Usage, Deduct</i>	149.65 -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..... <i>For >6 Months (>26 Weeks), Deduct</i>	1,023.61 -40.94	
01 22 23 00-0771 Fuel Reimbursement For Generators (01 22 23 00-0650)			
01 22 23 00-0772	EA Fuel Reimbursement For Generators	1.00	
	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 00-0773 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	
	<i>For >6 Months (>26 Weeks), Deduct</i>	-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	
	<i>For >6 Months (>26 Weeks), Deduct</i>	-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	
	<i>For >6 Months (>26 Weeks), Deduct</i>	-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	
	<i>For >6 Months (>26 Weeks), Deduct</i>	-107.75	



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

Σ

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 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

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 23 00-0827	DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	184.42	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-33.75	
01 22 23 00-0830	DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	192.10	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-37.50	

01 22 23 00-0833 General Equipment**01 22 23 00-0834 Jacks And Bracing**

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

01 22 23 00-0835 Manual Hydraulic Jacks

01 22 23 00-0836	DAY 12 Ton Manual Hydraulic Bottle Jack.....	1.67	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-1.14	
01 22 23 00-0839	DAY 20 Ton Manual Hydraulic Bottle Jack.....	2.92	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-1.39	
01 22 23 00-0842	DAY 50 Ton Manual Hydraulic Bottle Jack.....	10.43	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-5.83	
01 22 23 00-0845	DAY 100 Ton Manual Hydraulic Bottle Jack.....	14.61	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-8.42	

01 22 23 00-0848 Manual Screw Jacks

01 22 23 00-0849	DAY 10 To 20 Ton Manual Screw Jack	19.16	
	For Half Day Usage, Deduct	-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	
	For >6 Months (>26 Weeks), Deduct	-6.08	

01 22 23 00-0852 Shores/Braces

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	
	For >20 To 50, Deduct	-1.74	
	For >50 To 100, Deduct	-4.05	
	For >100, Deduct	-6.36	
01 22 23 00-0859	EA Erect And Strip Shores To 13'.....	13.88	
	For >20 To 50, Deduct	-2.08	
	For >50 To 100, Deduct	-4.86	
	For >100, Deduct	-7.63	
01 22 23 00-0860	EA Erect And Strip Shores To 16'.....	16.19	
	For >20 To 50, Deduct	-2.43	
	For >50 To 100, Deduct	-5.67	
	For >100, Deduct	-8.90	

01 22 23 00-0861 Pressure Washers

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	
	For Equipment Without Operator, Deduct	-734.16	
	For Half Day Usage, Deduct	-401.37	
01 22 23 00-0863	WK 2,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
	For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0864	MO 2,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
	For Equipment Without Operator, Deduct	-15,906.85	
	For >6 Months (>26 Weeks), Deduct	-28.36	
01 22 23 00-0865	DAY 2,500 PSI Pressure Washer With Full-Time Operator	843.88	
	For Equipment Without Operator, Deduct	-734.16	
	For Half Day Usage, Deduct	-401.37	
01 22 23 00-0866	WK 2,500 PSI Pressure Washer With Full-Time Operator	3,949.33	
	For Equipment Without Operator, Deduct	-3,670.81	



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

0

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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0902	DAY 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up..... For Half Day Usage, Deduct	187.47 -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..... For >6 Months (>26 Weeks), Deduct	1,377.52 -55.10		
01 22 23 00-0905	DAY 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up..... For Half Day Usage, Deduct	244.53 -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..... For >6 Months (>26 Weeks), Deduct	1,467.18 -58.69		
01 22 23 00-0908	DAY 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up..... For Half Day Usage, Deduct	456.46 -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..... For >6 Months (>26 Weeks), Deduct	2,738.74 -109.55		
01 22 23 00-0911	DAY 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up..... For Half Day Usage, Deduct	540.90 -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..... For >6 Months (>26 Weeks), Deduct	3,245.40 -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		


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

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 00-00044 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

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 23 00-0968	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,328.60	
		For Equipment Without Operator, Deduct	-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	15,237.96	
		For Equipment Without Operator, Deduct	-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	52,788.88	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-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	4,759.43	
		For Equipment Without Operator, Deduct	-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	16,810.49	
		For Equipment Without Operator, Deduct	-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	57,499.29	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-1,380.03	
01 22 23 00-0974	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,964.07	
		For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0975	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,383.02	
		For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0976	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	62,221.18	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-1,568.91	
01 22 23 00-0977	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,168.72	
		For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0978	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,955.55	
		For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0979	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,943.08	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-1,757.79	
01 22 23 00-0980	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,843.68	
		For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0981	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,375.38	
		For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0982	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	74,192.51	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-2,047.76	
01 22 23 00-0983	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,994.01	
		For Equipment Without Operator, Deduct	-1,061.47	
01 22 23 00-0984	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,167.21	
		For Equipment Without Operator, Deduct	-5,307.33	
01 22 23 00-0985	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	118,585.24	
		For Equipment Without Operator, Deduct	-22,998.42	
		For >6 Months (>26 Weeks), Deduct	-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	1,647.62
		For Equipment Without Operator, Deduct	-990.30
		For Half Day Usage, Deduct	-700.56
01 22 23 00-0988	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,560.21
		For Equipment Without Operator, Deduct	-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	24,916.12
		For Equipment Without Operator, Deduct	-21,456.52
		For >6 Months (>26 Weeks), Deduct	-138.38
01 22 23 00-0990	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,716.82
		For Equipment Without Operator, Deduct	-990.30
		For Half Day Usage, Deduct	-722.19
01 22 23 00-0991	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,715.90
		For Equipment Without Operator, Deduct	-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	25,262.08
		For Equipment Without Operator, Deduct	-21,456.52
		For >6 Months (>26 Weeks), Deduct	-152.22
01 22 23 00-0993	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,699.52
		For Equipment Without Operator, Deduct	-990.30
		For Half Day Usage, Deduct	-716.78
01 22 23 00-0994	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,793.74
		For Equipment Without Operator, Deduct	-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	25,781.02
		For Equipment Without Operator, Deduct	-21,456.52
		For >6 Months (>26 Weeks), Deduct	-172.98
01 22 23 00-0996	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,898.44
		For Equipment Without Operator, Deduct	-990.30
		For Half Day Usage, Deduct	-778.94
01 22 23 00-0997	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,312.68
		For Equipment Without Operator, Deduct	-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	26,991.88
		For Equipment Without Operator, Deduct	-21,456.52
		For >6 Months (>26 Weeks), Deduct	-221.41



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

ΣMINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0999	Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0914)</small>
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 <small>(01 22 23 00-0914)</small>
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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	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		
	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 00-1023	WK 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,352.64		
	For Equipment Without Operator, Deduct	-4,951.50		
	For Propane Instead Of Gas Or Diesel, Add	280.23		
01 22 23 00-1024	MO 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,002.61		
	For Equipment Without Operator, Deduct	-21,456.52		
	For Propane Instead Of Gas Or Diesel, Add	709.22		
	For >6 Months (>26 Weeks), Deduct	-141.84		
01 22 23 00-1025	DAY 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,716.82		
	For Equipment Without Operator, Deduct	-990.30		
	For Propane Instead Of Gas Or Diesel, Add	145.30		
	For Half Day Usage, Deduct	-722.19		
01 22 23 00-1026	WK 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,603.46		
	For Equipment Without Operator, Deduct	-4,951.50		
	For Propane Instead Of Gas Or Diesel, Add	330.39		
01 22 23 00-1027	MO 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,435.06		
	For Equipment Without Operator, Deduct	-21,456.52		
	For Propane Instead Of Gas Or Diesel, Add	795.71		
	For >6 Months (>26 Weeks), Deduct	-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		
	For Half Day Usage, Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-3.86		
01 22 23 00-1032	DAY 3 Ton, 20' Lift, Manual Chain Hoist .....	.35.06		
	For Half Day Usage, Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-9.26		
01 22 23 00-1035	DAY 5 Ton, 20' Lift, Manual Chain Hoist .....	.45.07		
	For Half Day Usage, Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-13.52		
01 22 23 00-1038	DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	.88.89		
	For Half Day Usage, Deduct	-27.78		
01 22 23 00-1039	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		
	For >6 Months (>26 Weeks), Deduct	-25.04		
01 22 23 00-1041	DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	.90.14		
	For Half Day Usage, Deduct	-28.17		
01 22 23 00-1042	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		
	For >6 Months (>26 Weeks), Deduct	-26.29		
01 22 23 00-1044	DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	.92.65		
	For Half Day Usage, Deduct	-28.95		
01 22 23 00-1045	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		
	For >6 Months (>26 Weeks), Deduct	-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		
	For Half Day Usage, Deduct	-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		
	For >6 Months (>26 Weeks), Deduct	-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.			
	For Equipment Without Operator, Deduct	-1,061.47		
	For Half Day Usage, Deduct	-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.			
	For Equipment Without Operator, Deduct	-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.			
	For Equipment Without Operator, Deduct	-22,998.42		
	For >6 Months (>26 Weeks), Deduct	-217.54		



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

Σ

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	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	29,554.83
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	-22,998.42	-262.26	-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	36,462.50
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	-22,998.42	-538.56	-538.56
01 22 23 00-1061	Pumping Equipment <small>(01 22 23)</small>				
01 22 23 00-1062	Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-1061)</small>				
		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
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 <small>(01 22 23 00-1061)</small>				
		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
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 <small>(01 22 23 00-1061)</small>				
		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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1078	WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump..... For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	248.94 99.58 199.15		
01 22 23 00-1079	MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump..... For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	746.82 298.73 597.46 -29.87		
01 22 23 00-1080	DAY 25,000 GPH, 3" Discharge, 90' 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		
01 22 23 00-1081	WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump..... For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	321.55 128.62 257.24		
01 22 23 00-1082	MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash 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 00-1083	DAY 35,000 GPH, 4" Discharge, 106' 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	190.85 76.34 152.68		
01 22 23 00-1084	WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump..... For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	539.37 215.75 431.50		
01 22 23 00-1085	MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump..... For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	1,566.25 626.50 1,253.00 -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..... For >8 To 16 Hours Usage Per Day, Add	533.15 213.26		
	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..... For >40 To 80 Hours Usage Per Week, Add	1,213.58 485.43		
	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..... For >160 To 320 Hours Usage Per Month, Add	3,783.89 1,513.56		
	For >320 Hours Usage Per Month, Add	3,027.11		
	For >6 Months (>26 Weeks), Deduct	-151.36		


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 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

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1138	Discharge Hose With Couplings <small>(01 22 23 00-1061)</small>			
	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 <small>(01 22 23 00-1061)</small>			
	Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1161	Hydraulic Submersible Pumps <small>(01 22 23 00-1160)</small>			
	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 >8 To 16 Hours Usage Per Day, Add	146.88		
	For >16 To 24 Hours Usage Per Day, Add	293.75		
01 22 23 00-1164	MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,026.88		
	For >16 To 24 Hours Usage Per Day, Add	410.75		
	For >16 To 320 Hours Usage Per Month, Add	821.50		
	For >320 Hours Usage Per Month, Add	-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 >8 To 16 Hours Usage Per Day, Add	179.24		
	For >16 To 24 Hours Usage Per Day, Add	358.47		
01 22 23 00-1167	MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,369.17		
	For >16 To 24 Hours Usage Per Day, Add	547.67		
	For >16 To 320 Hours Usage Per Month, Add	1,095.34		
	For >320 Hours Usage Per Month, Add	-105.77		
	For >6 Months (>26 Weeks), Deduct	-54.77		
01 22 23 00-1168	Hydraulic Submersible Pump Diesel Power Packs <small>(01 22 23 00-1160)</small>			
	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 >8 To 16 Hours Usage Per Day, Add	377.56		
	For >16 To 24 Hours Usage Per Day, Add	755.12		
01 22 23 00-1171	MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,489.40		
	For >8 To 16 Hours Usage Per Day, Add	995.76		
	For >16 To 24 Hours Usage Per Day, Add	1,991.52		
	For >16 To 320 Hours Usage Per Month, Add	-99.58		
	For >6 Months (>26 Weeks), Deduct	-99.58		
01 22 23 00-1172	HDPE Pipe With Couplings <small>(01 22 23 00-1061)</small>			
	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		



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

Σ

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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
01 22 23 00-1176	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
01 22 23 00-1179	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
01 22 23 00-1182	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
01 22 23 00-1185	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
01 22 23 00-1188	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
01 22 23 00-1191	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
01 22 23 00-1194	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
01 22 23 00-1197	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
01 22 23 00-1200	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
01 22 23 00-1203	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
01 22 23 00-1206	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
01 22 23 00-1209	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
01 22 23 00-1212	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
01 22 23 00-1215	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
01 22 23 00-1218	DAY 4" Cap For HDPE Pipe, Quick Connect.....	.73.68
	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
01 22 23 00-1221	DAY 6" Cap For HDPE Pipe, Quick Connect.....	.73.68
	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

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 23 00-1224	DAY 8" Cap For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	7.37	
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 For >6 Months (>26 Weeks), Deduct	66.31	
01 22 23 00-1227	DAY 10" Cap For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	7.37	
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 For >6 Months (>26 Weeks), Deduct	66.31	
01 22 23 00-1230	DAY 12" Cap For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	7.37	
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 For >6 Months (>26 Weeks), Deduct	66.31	
01 22 23 00-1233	DAY 4" Wye For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	22.10	
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 For >6 Months (>26 Weeks), Deduct	169.45	
01 22 23 00-1236	DAY 6" Wye For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	25.79	
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 For >6 Months (>26 Weeks), Deduct	202.61	
01 22 23 00-1239	DAY 8" Wye For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	44.21	
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 For >6 Months (>26 Weeks), Deduct	338.91	
01 22 23 00-1242	DAY 10" Wye For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	66.31	
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 For >6 Months (>26 Weeks), Deduct	515.73	
01 22 23 00-1245	DAY 12" Wye For HDPE Pipe, Quick Connect For Half Day Usage, Deduct	66.31	
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 For >6 Months (>26 Weeks), Deduct	515.73	
		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 For Equipment Without Operator, Deduct For Half Day Usage, Deduct	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 For Equipment Without Operator, Deduct	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 For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	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 For Equipment Without Operator, Deduct For Half Day Usage, Deduct	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 For Equipment Without Operator, Deduct	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 For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	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 For Equipment Without Operator, Deduct For Half Day Usage, Deduct	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 For Equipment Without Operator, Deduct	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 For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	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 Passanger Vehicles (01 22 23 00-1249)

01 22 23 00-1261	DAY 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle For Half Day Usage, Deduct	309.84	
	For Half Day Usage, Deduct	-96.83	
01 22 23 00-1262	WK 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	716.50	
01 22 23 00-1263	MO 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle For >6 Months (>26 Weeks), Deduct	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 Passanger Vehicle For Half Day Usage, Deduct	319.52	
	For Half Day Usage, Deduct	-99.85	
01 22 23 00-1265	WK 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	745.55	



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

Σ

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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 <small>(01 22 23 00-1249)</small>		
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	1,099.20
	For Equipment Without Operator, Deduct	-792.29
	For Half Day Usage, Deduct	-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	4,954.86
	For Equipment Without Operator, Deduct	-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	19,266.17
	For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	-17,166.28 -84.00
01 22 23 00-1274 Boom Trucks <small>(01 22 23 00-1249)</small>		
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 <small>(01 22 23 00-1249)</small>		
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	7,607.84 -3,997.39
01 22 23 00-1293	MO 18 CY Rear Dump Truck With Full-Time Truck Driver	26,769.92 -17,322.02 -377.92
01 22 23 00-1294 Under-Bridge Inspection Trucks <small>(01 22 23 00-1249)</small>		
01 22 23 00-1295	DAY 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,747.20 -799.48 -1,633.40
	For Equipment Without Operator, Deduct For Half Day Usage, Deduct	
01 22 23 00-1296	WK 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	21,602.07 -3,997.39
	For Equipment Without Operator, Deduct	

01 General Requirements

01 20 Price and Payment Procedures
01 22 Unit Prices



MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1297	MO 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	79,727.66 -17,322.02 -2,496.23		
01 22 23 00-1298	DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	5,280.67 -799.48 -1,800.11		
01 22 23 00-1299	WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	22,669.01 -3,997.39		
01 22 23 00-1300	MO 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	83,753.83 -17,322.02 -2,657.27		
01 22 23 00-1301	DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	5,600.76 -799.48 -1,900.14		
01 22 23 00-1302	WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	24,269.44 -3,997.39		
01 22 23 00-1303	MO 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	87,780.01 -17,322.02 -2,818.32		
01 22 23 00-1304	DAY 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	6,987.79 -799.48 -2,333.59		
01 22 23 00-1305	WK 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	30,671.14 -3,997.39		
01 22 23 00-1306	MO 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	107,910.85 -17,322.02 -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..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,162.29 -799.48 -513.12		
01 22 23 00-1309	WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	5,078.72 -3,997.39		
01 22 23 00-1310	MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,516.21 -17,322.02 -127.77		
01 22 23 00-1311	DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,210.53 -799.48 -840.69		
01 22 23 00-1312	WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	8,246.90 -3,997.39		
01 22 23 00-1313	MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,861.96 -17,322.02 -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..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For Half Day Usage, Deduct	1,439.74 -799.48 14.94 -599.82		
01 22 23 00-1316	WK 2,000 Gallon Water Truck With Full-Time Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add	5,683.41 -3,997.39 14.94		
01 22 23 00-1317	MO 2,000 Gallon Water Truck With Full-Time Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	21,305.86 -17,322.02 14.94 -159.35		
01 22 23 00-1318	DAY 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For Half Day Usage, Deduct	1,553.56 -799.48 14.94 -635.39		
01 22 23 00-1319	WK 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add	6,473.06 -3,997.39 14.94		
01 22 23 00-1320	MO 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	23,489.86 -17,322.02 14.94 -246.71		
01 22 23 00-1321	DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For Half Day Usage, Deduct	1,752.76 -799.48 14.94 -697.64		
01 22 23 00-1322	WK 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add	6,622.46 -3,997.39 14.94		
01 22 23 00-1323	MO 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	23,724.62 -17,322.02 14.94 -256.10		



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

Σ

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	--------------------	--------------------	---------------------	-------------------------

01 22 23 00-1324	Asphalt Distribution Trucks <small>(01 22 23 00-1249)</small>	
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 <small>(01 22 23 00-1249)</small>	
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 <small>(01 22 23 00-1249)</small>	
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 <small>(01 22 23 00-1249)</small>	
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 <small>(01 22 23 00-1249)</small>	
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 <small>(01 22 23 00-1248)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-1348	Truck Mounted Arrow Boards <small>(01 22 23 00-1347)</small>	
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

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 23 00-1352	Trailers (01 22 23 00-1248) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1353	Water Trailers With Pump (01 22 23 00-1352)		
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 (01 22 23 00-1352)		
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 (01 22 23 00-1352)		
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 (01 22 23 00-1248)		
01 22 23 00-1384	Trailer Mounted Under-Bridge Aerial Access Platform (01 22 23 00-1383) 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 (01 22 23 00-1383)		
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	



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

Σ

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

01 22 23 00-1395	Portable Trailer Mounted, CCTV Camera Systems	<i>(01 22 23 00-1383)</i>
Note: Includes trailer. Excludes truck.		
01 22 23 00-1396	MO Portable Trailer Mounted, Single Camera, CCTV Camera System	2,904.75
	For >6 Months (>26 Weeks), Deduct	-116.19

01 22 23 00-1397	MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	5,034.90
	For >6 Months (>26 Weeks), Deduct	-201.40

01 22 23 00-1398	CALTRANs Equipment Rental Rates	<i>(01 22 23)</i>
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	1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee. Per 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)		

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26	Permit Requirements	<i>(01 41)</i>
See CSI section 01 22 16 00-0003 for reimbursable fees.		

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 21 Construction Suppliers or Vendor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 45 Quality Control *(01 40)*

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

01 45 23 Testing and Inspecting Services *(01 45)*

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

01 45 23 00-0001 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 Specific 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 Cleanliness 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)	57.08	
01 45 23 00-0058	EA	Note: Includes sealing and storing 1 year. 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	136.98	
		Note: Includes compaction.		
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 Prism 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	

**General Requirements 01**

Quality Requirements 01 40

Quality Control 01 45

0

MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) <i>(01 45 23 00-0079)</i>			
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 <i>(01 45 23)</i>			
01 45 23 00-0085		Tank Tightness Testing <i>(01 45 23 00-0084)</i>			
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 <i>(01 45 23 00-0084)</i>			
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 <i>(01 45 23)</i>			
01 45 23 00-0096		Special Testing <i>(01 45 23 00-0095)</i>			
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 <i>(01 45 23 00-0095)</i>			
01 45 23 00-0106		Infrared Thermography <i>(01 45 23 00-0105)</i>			
		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 <i>(01 45 23 00-0106)</i>			
		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 <i>(01 45 23 00-0105)</i>			
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 <i>(01 45 23 00-0095)</i>			
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 <i>(01 45)</i>			
		Note: For application to existing materials/site conditions or additional testing over specifications stated tests.			
01 45 29 00-0001		Soil Borings Laboratory Tests <i>(01 45 29)</i>			
		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
Temporary Facilities and Controls	01 50	
Construction Facilities	01 52	

0

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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 For Each Delivery And Removal, Two Round Trips, Add For >12 Months, Deduct	146.40 128.16 -32.94	
01 52 13 00-0033	MO 8' x 8' x 40' Storage Container For Each Delivery And Removal, Two Round Trips, Add For >12 Months, Deduct	173.13 258.11 -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 For Each Additional Servicing Per Unit Per Week, Add For Each Delivery And Set-up, Add	70.86 25.00 47.65	
01 52 19 00-0003	MO Portable Chemical Toilet For Each Additional Servicing Per Unit Per Week, Add For Each Delivery And Set-up, Add	212.57 25.00 47.65	
01 52 19 00-0004	WK Americans With Disabilities Act Compliant Portable Chemical Toilet For Each Additional Servicing Per Unit Per Week, Add For Each Delivery And Set-up, Add	84.51 25.00 47.65	
01 52 19 00-0005	MO Americans With Disabilities Act Compliant Portable Chemical Toilet For Each Additional Servicing Per Unit Per Week, Add For Each Delivery And Set-up, Add	248.00 25.00 47.65	
01 52 19 00-0006	WK Two Station Portable Handwash For Each Delivery And Set-up, Add	56.43 47.65	
01 52 19 00-0007	MO Two Station Portable Handwash For Each Delivery And Set-up, Add	171.18 47.65	
01 52 19 00-0008	MO 6 Station, Portable Toilets, Multi Trailer 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	6,253.92 1,239.76	
01 52 19 00-0009	WK Service 6 Station Trailer Restrooms, 3 Times Per Week For One Additional Service Per Week, Add	2,105.24 701.74	
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	

0

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	
01 54 23 00-0004	CCF		Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month) For Up To 25, Add For >25 To 50, Add For >50 To 150, Add	49.62	19.85	
01 54 23 00-0005	CCF		Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month) For Up To 25, Add For >25 To 50, Add For >50 To 150, Add	66.19	26.48	
01 54 23 00-0006			Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small>			
			Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.			
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 <small>(01 54 23 00-0001)</small>			
			Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.			
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 <small>(01 54 23 00-0001)</small>			
			Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.			
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 <small>(01 54 23 00-0001)</small>			
			Note: 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 <small>(01 54 23)</small>			
			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 <small>(01 54 23)</small>			
			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 <small>(01 54 23)</small>			
			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 CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION 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 55)		
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	

Σ

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	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			
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	3.31		
		Note: Includes removal after use			
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	4.15		
		Note: Includes removal after use			
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	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.....	6,736.30
		Note: Includes delivery, pickup and two months rental.	
01 55 26 00-0095	MO	2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide.....	640.17
		Note: Rental rate after 1st two months.	
01 55 26 00-0096	EA	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide.....	8,077.24
		Note: Includes delivery, pickup and two months rental.	
01 55 26 00-0097	MO	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide.....	960.26
		Note: Rental rate after 1st two months.	
01 55 26 00-0098	EA	8 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (71 MPH), 24" Wide.....	9,844.97
		Note: Includes delivery, pickup and two months rental.	
01 55 26 00-0099	MO	8 Bay, Non-Gating, Redirective Crash Cushion System, 71 MPH, 24" Wide.....	1,173.64
		Note: Rental rate after 1st two months.	
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).....	1,549.20
		Note: Consists of 8 bays with nose piece at the front of the system.	

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	

0

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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 manufacturers 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.	
		For 1 Barrier, Add 190.83	
		For 2 Barriers, Add 68.70	
		For 3 Barriers, Add 22.90	

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 36" 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	26.32	
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
Temporary Facilities and Controls	01 50	
Vehicular Access and Parking	01 55	

Σ

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	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 <small>(01 55 26 00-0176)</small>			
	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 <small>(01 55 26 00-0176)</small>			
	Note: Excludes sign.			
01 55 26 00-0237	Temporary U-Channel Sign Posts For Detours <small>(01 55 26 00-0236)</small>			
	Note: Excludes digging and concrete.			
01 55 26 00-0238	Temporary Baked Enamel U-Channel Sign Posts For Detours <small>(01 55 26 00-0237)</small>			
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 <small>(01 55 26 00-0237)</small>			
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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0252		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours <small>(01 55 26 00-0237)</small>			
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 <small>(01 55 26 00-0236)</small>			
Note: Excludes digging and concrete.					
01 55 26 00-0260		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours <small>(01 55 26 00-0259)</small>			
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 <small>(01 55 26 00-0236)</small>			
Note: Excludes digging and concrete.					
01 55 26 00-0267		Temporary Galvanized Steel Square Sign Posts For Detours <small>(01 55 26 00-0266)</small>			
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 <small>(01 55 26 00-0176)</small>			
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 <small>(01 55 26 00-0274)</small>			
01 55 26 00-0276		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours <small>(01 55 26 00-0275)</small>			
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 <small>(01 55 26 00-0275)</small>			
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 <small>(01 55 26 00-0274)</small>			
01 55 26 00-0282		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours <small>(01 55 26 00-0281)</small>			
01 55 26 00-0283	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	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 <small>(01 55 26 00-0281)</small>			
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 <small>(01 55 26 00-0274)</small>			
01 55 26 00-0288		Temporary Driven Posts, 2.5 Lb./LF For Detours <small>(01 55 26 00-0287)</small>			
01 55 26 00-0289	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.19		
For Each Soil Plate, Add 3.00					
01 55 26 00-0290		Temporary Driven Posts, 4 Lb./LF For Detours <small>(01 55 26 00-0287)</small>			
01 55 26 00-0291	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.29		
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 <small>(01 55 26 00-0274)</small>			
01 55 26 00-0293		Temporary Omni-Directional Breakaway Systems For Signs For Detours <small>(01 55 26 00-0292)</small>			
Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.					
01 55 26 00-0294	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,189.55		



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

Σ

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	UNIT COST
01 55 26 00-0295	EA		Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,267.66		
01 55 26 00-0296	EA		Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo A14 And A16)	869.05		
01 55 26 00-0297	EA		Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5).....	761.16		
01 55 26 00-0298	EA		Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4).....	863.06		
01 55 26 00-0299	EA		Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	821.11		
01 55 26 00-0300	EA		Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	772.55		
01 55 26 00-0301			Temporary Omni-Directional Breakaway Systems For Poles For Detours <small>(01 55 26 00-0292)</small>			
			Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.			
01 55 26 00-0302	EA		Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	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 <small>(01 55 26)</small>			
			Note: Includes removal after use.			
01 55 26 00-0309	LF		1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	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 <small>(01 56)</small>						
			Note: Includes removal after use.			
01 56 16 Temporary Dust Barriers <small>(01 56)</small>						
01 56 16 00-0001			Temporary Sheeting For Protection <small>(01 56 16)</small>			
			Note: Includes removal after use.			
01 56 16 00-0002	SF		6 Mil, Plastic Sheeting, Applied To Floors	0.40		
			Note: Includes removal after use.			
01 56 16 00-0003	SF		6 Mil, Plastic Sheeting, Applied To Walls.....	0.51		
			Note: Includes removal after use.			
01 56 16 00-0004	SF		6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.68		
			Note: Includes removal after use.			
01 56 16 00-0005	SF		6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.67		
			Note: Includes removal after use.			
01 56 16 00-0006	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.49		
			Note: Includes removal after use.			
01 56 16 00-0007	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.60		
			Note: Includes removal after use.			
01 56 16 00-0008	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.77		
			Note: Includes removal after use.			
01 56 16 00-0009	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.72		
			Note: Includes removal after use.			
01 56 16 00-0010	SF		10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.94		
			Note: Includes removal after use.			
01 56 16 00-0011	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.52		
			Note: Includes removal after use.			
01 56 16 00-0012	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls	0.63		
			Note: Includes removal after use.			
01 56 16 00-0013	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.80		
			Note: Includes removal after use.			
01 56 16 00-0014	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.75		
			Note: Includes removal after use.			
01 56 16 00-0015	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.51		
			Note: Includes removal after use.			
01 56 16 00-0016	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.62		
			Note: Includes removal after use.			
01 56 16 00-0017	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.79		
			Note: Includes removal after use.			
01 56 16 00-0018	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.74		
			Note: Includes removal after use.			
01 56 16 00-0019	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.58		
			Note: Includes removal after use.			
01 56 16 00-0020	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.69		
			Note: Includes removal after use.			
01 56 16 00-0021	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.86		
			Note: Includes removal after use.			
01 56 16 00-0022	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.81		
			Note: Includes removal after use.			
01 56 16 00-0023			Temporary Canvas For Protection <small>(01 56 16)</small>			
			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 CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0025	Accessories For Temporary Sheeting <small>(01 56 16)</small> 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 <small>(01 56 16)</small> 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 <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0034	Temporary Stud Wall With Drywall <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035	Temporary Stud Wall With Drywall <small>(01 56 16 00-0034)</small>		
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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	1.16	
01 56 16 00-0042	Temporary Stud Wall With Fire Rated Drywall <small>(01 56 16 00-0034)</small>		
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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	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.		
	For Metal Studs 24" On Center, Add/Deduct	1.16	
01 56 16 00-0051	Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052	SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.13	
	Note: Includes removal after use.		
	For Metal Studs 24" On Center, Add/Deduct	1.04	



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

0

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	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 <small>(01 56 16 00-0033)</small>				
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.				
01 56 16 00-0061	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.46			
		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 <small>(01 56 16 00-0033)</small>				
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 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 <small>(01 56 16 00-0033)</small>				
		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 <small>(01 56 16 00-0033)</small>				
		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	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	0.64	
		For Seam Tape, Add Per LF	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	0.74	
		Note: Includes removal after use.		
		For Seam Tape, Add Per LF	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	
		For 60 Layers Instead Of 30, Add	25.58	
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat..... Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	29.85	
01 56 16 00-0090	EA	24" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	29.85	
01 56 16 00-0091	EA	25" x 45", 30 Layer Sticky Mat..... Note: Includes removal after use.	58.63	
		For 60 Layers Instead Of 30, Add	40.51	
01 56 16 00-0092	EA	36" x 36", 30 Layer Sticky Mat..... Note: Includes removal after use.	64.32	
		For 60 Layers Instead Of 30, Add	44.78	
01 56 16 00-0093	EA	36" x 46", 30 Layer Sticky Mat..... Note: Includes removal after use.	70.00	
		For 60 Layers Instead Of 30, Add	49.04	
01 56 16 00-0094	EA	36" x 60", 30 Layer Sticky Mat..... Note: Includes removal after use.	141.08	
		For 60 Layers Instead Of 30, Add	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..... For >100 To 250, Deduct	7.05	-0.17
		For >250 To 500, Deduct		-0.34
		For >500, Deduct		-0.50
		For Each LF Shade Cloth, Add		1.60
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months..... For >100 To 250, Deduct	7.85	-0.19
		For >250 To 500, Deduct		-0.38
		For >500, Deduct		-0.57
		For Each LF Shade Cloth, Add		2.55
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months..... For >100 To 250, Deduct	10.82	-0.32
		For >250 To 500, Deduct		-0.64
		For >500, Deduct		-0.96
		For Each LF Shade Cloth, Add		3.60
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months..... For >100 To 250, Deduct	23.86	-0.95
		For >250 To 500, Deduct		-1.90
		For >500, Deduct		-2.84
		For Each LF Shade Cloth, Add		4.75
01 56 26 00-0008		Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.39	
		For >100 To 250, Deduct		-0.18
		For >250 To 500, Deduct		-0.37
		For >500, Deduct		-0.55
		For Each LF Shade Cloth, Add		1.60



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

Σ

MINOR
CSI UOM DESCRIPTION

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



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

0

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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

01 General Requirements

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



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST 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	

0

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

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0174	Temporary Safety Fence <small>(01 56 26)</small>
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 <small>(01 56 29)</small>
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 <small>(01 56 29 00-0001)</small>
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)

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 <small>(01 56 33)</small>
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	01 50
Temporary Barriers and Enclosures	01 56	01 56

0

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	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
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
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
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 0.87 gallons oil, up to 40 Lb. sediment.

Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.

Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.

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	EA	>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 <small>(01 58 13 00-0001)</small>		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	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 <small>(01 58 13 00-0001)</small>		
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.....	11.57

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.

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

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.

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	1.16
		Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	

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
		Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	1,536.72
		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.	

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		525.45 131.36 210.18
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		853.86 213.47 341.54
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		1,182.27 295.57 472.91
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		1,904.76 476.19 761.90
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		2,390.81 597.70 956.32
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		2,975.37 743.84 1,190.15
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		3,428.57 857.14 1,371.43
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		3,835.80 958.95 1,534.32
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		2,036.13 509.03 814.45
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		3,218.40 804.60 1,287.36
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		4,072.25 1,018.06 1,628.90
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		5,057.47 1,264.37 2,022.99
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		6,305.43 1,576.36 2,522.17
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		7,356.33 1,839.08 2,942.53
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		10,509.04 2,627.26 4,203.62
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup. For >30 To 60 Miles Radius, Add For >60 To 100 Miles Radius, Add
		14,410.52 3,602.63 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 CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0007		Property Lines Survey <small>(01 71 23 16)</small>		
		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 <small>(01 71 23 16)</small>		
01 71 23 16-0012	EA	3' Precast Survey Monument..... <i>For Owner Furnished Monument, Deduct</i>	207.99 -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 <small>(01 71 23 16)</small>		
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 <small>(01 71 23 16)</small>		
		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 <small>(01 71 23 16)</small>		
01 71 23 16-0021		GPR Bridge Deck And Pavement Inspection Mobilization Fee <small>(01 71 23 16-0020)</small>		
		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 <small>(01 71 23 16-0020)</small>		
		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 <small>(01 71 23 16-0020)</small>		
		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 <small>(01 71 23 16-0020)</small>		
		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 <small>(01 71 23 16-0020)</small>		
		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 <small>(01 71 23 16-0020)</small>		
		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**

Execution and Closeout Requirements 01 70

Examination and Preparation 01 71

0

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
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 <small>(01 71 23 16-0020)</small>		
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) <small>(01 71 23 16)</small>		
Note: Thermographic services to electrical line grid inspections.			
01 71 23 16-0063	Mobilization For Drone Surveying <small>(01 71 23 16-0062)</small>		
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 <small>(01 71 23 16-0062)</small>		
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	540.09	
	Note: 3 hour minimum		
	For Visual Observation, Add	270.04	
	For Additional Manpower, Add	180.03	
01 71 23 16-0096	HR Drone Spraying Crops Or Sanitation	720.12	
	Note: 3 hour minimum		
	For Visual Observation, Add	225.04	
	For Additional Manpower, Add	180.03	
01 71 23 16-0097	HR Drone Video Progression/Marketing	360.06	
	Note: 2 hour minimum		
	For Visual Observation, Add	180.03	
	For Additional Manpower, Add	180.03	
01 71 23 16-0098	HR Drone Pictures Progression/Marketing	270.04	
	Note: 2 hour minimum		
	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	540.09	
	Note: 3 hour minimum		
01 71 23 16-0100	HR Drone Accident Reconstruction	810.14	
	Note: 2 hour minimum		
	For Visual Observation, Add	180.03	
	For Additional Manpower, Add	180.03	
01 71 23 16-0101	HR Drone Landfill Survey	657.11	
	Note: 3 hour minimum		
	For Visual Observation, Add	180.03	
	For Additional Manpower, Add	180.03	
01 71 23 16-0102	HR Drone Event Security Using Tethered Drones	450.08	
	Note: 3 hour minimum		
	For Visual Observation, Add	180.03	
	For Additional Manpower, Add	180.03	
01 71 23 16-0103	HR Drone Emergency Response	450.08	
	Note: 3 hour minimum		
	For Visual Observation, Add	270.04	
	For Additional Manpower, Add	180.03	
01 71 23 16-0104	HR Drone Cell Tower Inspection	450.08	
	Note: 3 hour minimum		
	For Visual Observation, Add	225.04	
	For Additional Manpower, Add	180.03	
01 71 23 16-0105	Utilization And Deliverables For Drone Surveying <small>(01 71 23 16-0062)</small>		
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.....	180.03	
	Note: 2 hour minimum		
01 71 23 16-0109	HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying.....	360.06	
	Note: 3 hour minimum		
01 71 23 16-0110	Travel, Waivers, And Editing For Drone Surveying <small>(01 71 23 16-0062)</small>		
01 71 23 16-0111	MI Travel Over 100 Miles For Drone Surveying	1.04	
	Note: For additional miles over 100		
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 .....	.90.02	
	Note: Restricted airspace		
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	180.03	
	Note: 2 hour minimum		
01 71 23 16-0118	HR Editing Pictures For Drone Surveying .....	.90.02	
	Note: 2 hour minimum		
01 71 23 16-0119	HR Custom Post Processing For Drone Surveying	270.04	
	Note: 3 hour minimum		
01 71 36 Non-Destructive Concrete Examination <small>(01 71)</small>			
01 71 36 00-0001	Electromagnetic Survey <small>(01 71 36)</small>		
	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 <small>(01 71 36 00-0001)</small>		
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 <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	387.30	
	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.		



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

Σ

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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 70)

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..... Note: Per CY of debris removed.	27.19

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
------------------	-----	---------------------------------------	-------

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
------------------	----	--	-------

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" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	786.23	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable..... 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.	857.94	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable 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.	921.96	
01 74 19 00-0020		Concrete Washout Service <small>(01 74 19)</small>		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	531.71	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	638.06	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin 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.	1,387.04	
01 74 19 00-0025		Debris Processing Fee <small>(01 74 19)</small>		
01 74 19 00-0026		Material Recycling Fees <small>(01 74 19 00-0025)</small>		
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 <small>(01 74 19 00-0025)</small>		
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 <small>(01 74 19)</small>		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.				
01 74 19 00-0044	CY	Hauling On Paved Roads, First 15 Miles	1.02	
01 74 19 00-0045	CY	Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.68	
01 74 19 00-0046	CY	Hauling On Unimproved Roads, First 15 Miles.....	1.57	
01 74 19 00-0047	CY	Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.23	
01 74 23		Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001		Cleaning Of Glass <small>(01 74 23)</small>		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.62	

END OF SECTION 01



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

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	

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 UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day..... Note: Includes initial water	1,175.97	
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)..... Note: Normal soil conditions consist of silt, sand and gravel.	.98.08	
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)..... Note: Adverse soil conditions consist of clay, glacial till and rocks.	156.88	
02 40 Demolition and Structure Moving <small>(02)</small>				
02 41 Demolition <small>(02 40)</small>				
02 41 13 Selective Site Demolition <small>(02 41)</small>				
02 41 13 13 Paving Removal <small>(02 41 13)</small>				
02 41 13 13-0001	By Machine, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>			
	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 <small>(02 41 13 13)</small>			
	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 13 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	COST	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	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 <small>(02 41 13-0017)</small>			
			Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.			
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..... For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	32.84 9.85 16.42 -3.28 -5.91 -8.54 -11.17 -13.79	
02 41 13 13-0029	SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving..... For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	54.45 16.34 27.23 -5.45 -9.80 -14.16 -18.51 -22.87	
02 41 13 13-0030	SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	27.49 13.75 -2.75 -4.95 -7.15 -9.35 -11.55	
02 41 13 13-0031	SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	35.34 17.67 -3.53 -6.36 -9.19 -12.02 -14.84	
02 41 13 13-0032	SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	63.20 31.60 -6.32 -11.38 -16.43 -21.49 -26.54	
02 41 13 13-0033	SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	82.47 41.24 -8.25 -14.84 -21.44 -28.04 -34.64	
02 41 13 13-0034	SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	107.82 53.91 -10.78 -19.41 -28.03 -36.66 -45.28	
02 41 13 13-0035	SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving..... For Elevated Slab, Add For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	130.85 65.43 -13.09 -23.55 -34.02 -44.49 -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

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	UNIT COST
02 41 13 13-0045	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard)..... Note: For each location up to 5' wide, feather up to 12" each direction. For >1/2" To 1" Depth Of Grinding, Add For >1" To 1-1/2" Depth Of Grinding, Add For Up To 5, Add For >5 To 10, Add For >25 To 50, Deduct For >50 To 250, Deduct For >250, Deduct For Sidewalks >5', Add For Up To 12" Additional Feathering Per Side, Add	26.78	26.78	26.78
02 41 13 13-0046		Repair Uneven Sidewalks <small>(02 41 13 13)</small> 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	92.03	92.03
02 41 13 13-0048	IF	2,000 To 3,000 Inch Feet Repair Uneven Sidewalks	87.31	87.31	87.31
02 41 13 13-0049	IF	3,000 And Up Inch Feet Repair Uneven Sidewalks	82.59	82.59	82.59
02 41 13 15	Hydro Demolition	<small>(02 41 13)</small>			
02 41 13 15-0001		Hydro Demolition Of Concrete Pavement <small>(02 41 13 15)</small> 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	8.26	8.26
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	10.31	10.31	10.31
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	13.80	13.80	13.80
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	27.48	27.48	27.48
02 41 19	Selective Demolition	<small>(02 41)</small>			
02 41 19 13	Selective Building Demolition	<small>(02 41 19)</small>			
02 41 19 13-0001		Exterior Masonry Removal <small>(02 41 19 13)</small>			
02 41 19 13-0002		Masonry Columns Removal (Interior And Exterior) <small>(02 41 19 13-0001)</small>			
02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	15.52	15.52	15.52
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	24.25	24.25	24.25
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	31.06	31.06	31.06
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	38.88	38.88	38.88
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	47.77	47.77	47.77
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.82	26.82	26.82
02 41 19 13-0009		Masonry Chimney Removal <small>(02 41 19 13-0001)</small>			
02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	31.47	31.47	31.47
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.63	23.63	23.63
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.08	18.08	18.08
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.52	12.52	12.52
02 41 19 13-0014		Remove And Reset Precast, Stone Or Masonry Coping <small>(02 41 19 13-0001)</small> 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	22.07	22.07
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.84	32.84	32.84
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.45	62.45	62.45
02 41 19 13-0018		Facade 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 13-0019	SF	Stone Or Brick Veneer Facade Removal	5.90	5.90	5.90
		For Cleaning and Storage For Reuse, Add	8.85	8.85	8.85
		For Reinforcing, Add	0.89	0.89	0.89
02 41 19 13-0020		Exterior Masonry 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. 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	5.19	5.19
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.86	5.86	5.86
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.09	7.09	7.09
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.75	7.75	7.75
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.51	8.51	8.51
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.64	10.64	10.64
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.14	6.14	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	
		For Cleaning and Storage For Reuse, Add	7.79	
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	5.86	
		For Cleaning and Storage For Reuse, Add	8.79	
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	7.09	
		For Cleaning and Storage For Reuse, Add	10.64	
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	7.75	
		For Cleaning and Storage For Reuse, Add	11.63	
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	8.51	
		For Cleaning and Storage For Reuse, Add	12.77	
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	10.64	
		For Cleaning and Storage For Reuse, Add	15.96	
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	15.12	
		For Cleaning and Storage For Reuse, Add	22.68	
		For Reinforcing, Add	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	
		For Each Additional Pass (Depth To 3"), Add	1.00	
		For >250, Deduct	-0.25	
02 41 19 13-0060	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.54	
		For Each Additional Pass (Depth To 3"), Add	3.76	
		For >250, Deduct	-0.94	
02 41 19 13-0061	LF	Concrete Block Up To 4" Depth, Saw Cut	8.64	
		For Each Additional Pass (Depth To 3"), Add	3.40	
		For >250, Deduct	-0.85	
02 41 19 13-0062	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	3.00	
		For Each Additional Pass (Depth To 3"), Add	1.14	
		For >250, Deduct	-0.28	
02 41 19 13-0063	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.94	
		For Each Additional Pass (Depth To 3"), Add	1.50	
		For >250, Deduct	-0.37	
02 41 19 13-0064	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.44	
		For Each Additional Pass (Depth To 3"), Add	2.50	
		For >250, Deduct	-0.62	
02 41 19 13-0065	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.18	
		For Each Additional Pass (Depth To 3"), Add	4.81	
		For >250, Deduct	-1.20	
02 41 19 13-0066	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.36	
		For Each Additional Pass (Depth To 3"), Add	6.46	
		For >250, Deduct	-1.61	



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

02

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	UNIT COST
02 41 19 13-0067	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	3.26	1.18	-0.28
02 41 19 13-0068	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.68	3.41	-0.85
02 41 19 13-0069	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.68	3.41	-0.85
02 41 19 13-0070	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.68	3.41	-0.85
02 41 19 13-0071	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut..... For Each Additional Pass (Depth To 3"), Add For >250, Deduct	8.68	3.41	-0.85
02 41 19 13-0072	Torch Cutting <small>(02 41 19 13)</small>				
		Note: Includes grinding edge			
02 41 19 13-0073	LF	Up To 1/2", Torch Cut Steel Plate.....	3.19		
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	1,046.31		
		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.			
02 41 19 13-0080	Drilling In Existing Materials <small>(02 41 19 13)</small>				
		Note: Includes drill bit wear, water, layout, set-up and clean-up.			
02 41 19 13-0081	Concrete Core Drilling <small>(02 41 19 13-0080)</small>				
02 41 19 13-0082	Up To 4" Thick Concrete Core Drilling <small>(02 41 19 13-0081)</small>				
02 41 19 13-0083	EA	Drill 1" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	46.08	9.11	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		18.23	
02 41 19 13-0084	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	51.13		
		For Horizontal Cores, Add		10.12	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		20.25	
02 41 19 13-0085	EA	Drill 2" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	56.77	11.25	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		22.50	
02 41 19 13-0086	EA	Drill 3" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	81.06	16.07	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		32.15	
02 41 19 13-0087	EA	Drill 4" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	108.62	21.54	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		43.08	
02 41 19 13-0088	EA	Drill 6" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	121.72	24.11	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		48.22	
02 41 19 13-0089	EA	Drill 8" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	194.49	38.58	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		77.16	
02 41 19 13-0090	EA	Drill 10" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	243.30	48.22	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		96.44	
02 41 19 13-0091	EA	Drill 12" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	283.92	56.26	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		112.52	
02 41 19 13-0092	EA	Drill 14" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	324.57	64.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		128.58	
02 41 19 13-0093	EA	Drill 18" Diameter Core In Up To 4" Concrete..... For Horizontal Cores, Add	365.62	72.32	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		144.64	
02 41 19 13-0094	>4" To 6" Thick Concrete Core Drilling <small>(02 41 19 13-0081)</small>				
02 41 19 13-0095	EA	Drill 1" Diameter Core In >4" To 6" Concrete..... For Horizontal Cores, Add	65.88	13.02	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		26.04	
02 41 19 13-0096	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete..... For Horizontal Cores, Add	73.11	14.46	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		28.93	
02 41 19 13-0097	EA	Drill 2" Diameter Core In >4" To 6" Concrete..... For Horizontal Cores, Add	81.15	16.07	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		32.14	
02 41 19 13-0098	EA	Drill 3" Diameter Core In >4" To 6" Concrete..... For Horizontal Cores, Add	97.53	19.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add		38.58	

02 Existing Conditions

02 40 Demolition and Structure Moving

02 41 Demolition


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST 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	

02

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0127	EA Drill 12" Diameter Core In >8" To 10" Concrete..... For Horizontal Cores, Add	408.27	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..... For Horizontal Cores, Add	449.99	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..... For Horizontal Cores, Add	492.59	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..... For Horizontal Cores, Add	92.77	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..... For Horizontal Cores, Add	102.90	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..... For Horizontal Cores, Add	114.14	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..... For Horizontal Cores, Add	122.80	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..... For Horizontal Cores, Add	163.66	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..... For Horizontal Cores, Add	212.56	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..... For Horizontal Cores, Add	342.43	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..... For Horizontal Cores, Add	368.13	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..... For Horizontal Cores, Add	425.76	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..... For Horizontal Cores, Add	11.28	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..... For Horizontal Cores, Add	12.52	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..... For Horizontal Cores, Add	13.89	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..... For Horizontal Cores, Add	15.25	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..... For Horizontal Cores, Add	20.33	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..... For Horizontal Cores, Add	26.44	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..... For Horizontal Cores, Add	42.64	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..... For Horizontal Cores, Add	45.93	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..... For Horizontal Cores, Add	52.92	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..... For Horizontal Cores, Add	36.97	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..... For Horizontal Cores, Add	41.01	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..... For Horizontal Cores, Add	45.51	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	DEMOLITION
				UNIT COST	UNIT COST	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	10.04	
	For Horizontal Cores, Add	1.98	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.96	
02 41 19 13-0212	IN Drill 2" Diameter Core In >12" Brick/Concrete Block	11.15	
	For Horizontal Cores, Add	2.20	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.40	
02 41 19 13-0213	IN Drill 3" Diameter Core In >12" Brick/Concrete Block	12.24	
	For Horizontal Cores, Add	2.41	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.82	
02 41 19 13-0214	IN Drill 4" Diameter Core In >12" Brick/Concrete Block	16.31	
	For Horizontal Cores, Add	3.21	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.43	
02 41 19 13-0215	IN Drill 6" Diameter Core In >12" Brick/Concrete Block	21.21	
	For Horizontal Cores, Add	4.18	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.36	
02 41 19 13-0216	IN Drill 8" Diameter Core In >12" Brick/Concrete Block	34.19	
	For Horizontal Cores, Add	6.76	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.51	
02 41 19 13-0217	IN Drill 10" Diameter Core In >12" Brick/Concrete Block	36.85	
	For Horizontal Cores, Add	7.26	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.52	
02 41 19 13-0218	IN Drill 12" Diameter Core In >12" Brick/Concrete Block	42.47	
	For Horizontal Cores, Add	8.36	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	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 CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION 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 <small>(02 41 19 13-0080)</small>			
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 <small>(02 41 19 13-0080)</small>			
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 <small>(02 41 19 13-0080)</small>			
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 <small>(02 41 19 13-0080)</small>			
02 41 19 13-0323		10" To 14" Thick Limestone Core Drilling <small>(02 41 19 13-0322)</small>			
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 <small>(02 41 19 13-0322)</small>			
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

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	--------------------	--------------------	---------------------	-------------------------

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)

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.....	9.72
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
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 UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0001	Removal and Disposal of Asbestos Contaminated Soils <small>(02 61 26)</small>		
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	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 <small>(02 60)</small>			
	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 <small>(02 65)</small>		
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank <small>(02 65 00 00-0001)</small>		
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 <small>(02 65 00 00-0001)</small>		
	Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test	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

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	

02 65 00 00-0027	Tests, Surveys And Maintenance For Underground Storage Tank <small>(02 65 00 00-0001)</small>	
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 overfill 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 <small>(02 65 00 00-0001)</small>	
02 65 00 00-0037	HR Certified Tank Installer For Underground Storage Tank	126.71
02 65 00 00-0038	HR Certified Geologist/Environmentalist.....	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 <small>(02 65)</small>	
02 65 00 00-0041	Transfer Liquid <small>(02 65 00 00-0040)</small>	
	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 <small>(02 65 00 00-0040)</small>	
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 <small>(02 65 00 00-0040)</small>	
	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 <small>(02 65)</small>	
02 65 00 00-0050	Purge Vapors <small>(02 65 00 00-0049)</small>	
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 <small>(02 65 00 00-0049)</small>	
	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 <small>(02 65 00 00-0049)</small>	
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 <small>(02 65)</small>		
Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.				
02 65 00 00-0081		Removal And Disposal Of Piping <small>(02 65 00 00-0080)</small>		
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 <small>(02 65 00 00-0080)</small>		
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 <small>(02 65 00 00-0080)</small>		
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 <small>(02 65 00 00-0080)</small>		
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	02
Underground Storage Tank Removal	02 65	02

02

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	--------------------	--------------------	---------------------	-------------------------

02 65 00 00-0123	Other Storage Tank Removals <small>(02 65 00 00-0080)</small> 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 <small>(02 65 00 00-0080)</small> 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 <small>(02 65)</small>	
02 65 00 00-0130	Temporary Holding Tanks <small>(02 65 00 00-0129)</small>	
02 65 00 00-0131	Above Ground Temporary Holding Tanks, Monthly Rental <small>(02 65 00 00-0130)</small>	
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 <small>(02 65 00 00-0129)</small>	
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 <small>(02 81)</small>	
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 <small>(02 81)</small>	
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 <small>(02 82 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. 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 UNIT COST	DEMOLITION 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 16)**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 33)

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 DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST 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 <small>(02 82 33 00-0002)</small>	
	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 <small>(02 82 33)</small>	
02 82 33 00-0038	Calcium Block Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0037)</small>	
02 82 33 00-0039	SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,253.51
02 82 33 00-0040	SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	51.59
02 82 33 00-0041	SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	42.57
02 82 33 00-0042	SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	34.20
02 82 33 00-0043	SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	27.94
02 82 33 00-0044	Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0037)</small>	
02 82 33 00-0045	SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,249.18
02 82 33 00-0046	SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	45.36
02 82 33 00-0047	SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	36.34
02 82 33 00-0048	SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	27.98
02 82 33 00-0049	SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	21.72
02 82 33 00-0050	Fibrous Glass Board Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0037)</small>	
02 82 33 00-0051	SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,247.74
02 82 33 00-0052	SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	40.24
02 82 33 00-0053	SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	31.22
02 82 33 00-0054	SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	22.86
02 82 33 00-0055	SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	16.58
02 82 33 00-0056	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal <small>(02 82 33 00-0037)</small>	
	Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0057	SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,255.67
02 82 33 00-0058	SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.86
02 82 33 00-0059	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	33.85
02 82 33 00-0060	SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.50
02 82 33 00-0061	SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.23
02 82 33 00-0062	Surfacing Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>	
02 82 33 00-0063	Fireproofing For Small Areas, Asbestos Abatement And Disposal <small>(02 82 33 00-0062)</small>	
	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	207.91
	Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	
02 82 33 00-0065	Fireproofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0062)</small>	
	Note: Exposed surface area, includes associated overspray.	
02 82 33 00-0066	SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,255.67
02 82 33 00-0067	SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	51.35
02 82 33 00-0068	SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.60
02 82 33 00-0069	SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	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 <small>(02 82 33 00-0062)</small>	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 <small>(02 82 33 00-0062)</small>			
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 <small>(02 82 33)</small>			
02 82 33 00-0084	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0083)</small>			
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 <small>(02 82 33 00-0083)</small>			
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 <small>(02 82 33 00-0083)</small>			
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 <small>(02 82 33)</small>			
02 82 33 00-0106	Asbestos Contaminated Debris, Asbestos Abatement And Disposal <small>(02 82 33 00-0105)</small>			
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 <small>(02 82 33)</small>			
02 82 33 00-0115	30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0114)</small>			
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

02

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	UNIT COST
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 <small>(02 82 33 00-0114)</small>			
		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 <small>(02 82 33 00-0114)</small>			
		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 <small>(02 82 33 00-0114)</small>			
02 82 33 00-0136		Non-Friable Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0135)</small>			
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 <small>(02 82 33 00-0114)</small>			
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 <small>(02 82 33 00-0114)</small>			
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 <small>(02 82 33 00-0114)</small>			
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..... 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.	1,272.73	
02 83 19 13-0003		Lead Sampling And Testing (02 83 19 13) 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	
02 83 19 13-0006	EA	Note: Including Technician, 3 Readings Per Surface And Lab Fee 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 (02 83 19 13) Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	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

02

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
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 UNIT COST	DEMOLITION 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 33)				
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 80)				
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	02
Hazardous Waste Drum Handling	02 86	02

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	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 <small>(02 86 00 00-0001)</small>			
02 86 00 00-0068			Polyethylene Closed Head Drums <small>(02 86 00 00-0067)</small>			
			Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.			
02 86 00 00-0069	EA		55 Gallon Polyethylene Closed Head Drums	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 <small>(02 86 00 00-0067)</small>			
			Note: Open head drums are primarily used for solids and sludge.			
02 86 00 00-0075	EA		55 Gallon Polyethylene Open Head Drums	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 <small>(02 86 00 00-0001)</small>			
02 86 00 00-0081			Steel Top/Fiber Bottom Drums, Hazardous <small>(02 86 00 00-0080)</small>			
			Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.			
02 86 00 00-0082	EA		30 Gallon Fiber Drum DOT-21C (1-9)	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 <small>(02 86 00 00-0001)</small>			
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 <small>(02 86 00 00-0001)</small>			
			Note: Includes transportation for up to 25 miles.			
02 86 00 00-0098	EA		Transport Drum To Landfill	102.29		
			Note: Includes transportation for up to 25 miles.			

02 87 Bio-Hazard Material Remediation (02 80)

02 87 13

Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, 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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: Treat fittings as additional lf of insulation.			
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0001)</small> Note: Diameter is outer size of insulation.			
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small> 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 <small>(02 87 13 33-0002)</small>			
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 <small>(02 87 13 33)</small>			
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal <small>(02 87 13 33-0017)</small>			
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 <small>(02 87 13 33)</small> Note: e.g. fireproofing, acoustical plaster, etc.			
02 87 13 33-0025	Stucco, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> 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 <small>(02 87 13 33-0024)</small> 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 <small>(02 87 13 33)</small>			
02 87 13 33-0038	Exterior Siding, Mold Abatement And Disposal <small>(02 87 13 33-0037)</small>			
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 <small>(02 87 13 33)</small>			
02 87 13 33-0045	Contaminated Debris, Mold Abatement And Disposal <small>(02 87 13 33-0044)</small>			
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 <small>(02 87 13 33)</small>			
02 87 13 33-0054	Caulking, Mold Abatement And Disposal <small>(02 87 13 33-0053)</small>			
02 87 13 33-0055	SET Up To 20 LF, Caulking, Mold Abatement And Disposal	207.96		



Existing Conditions 02

Facility Remediation 02 80

Bio-Hazard Material Remediation 02 87

02

MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	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 <small>(02 87 13 33-0053)</small>			
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 13		Bird Excrement Removal <small>(02 87 16)</small>			
02 87 16 13-0001		Bird Waste Removal <small>(02 87 16 13)</small>			
		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 <small>(02 89)</small>			
02 89 00 00-0001		Barriers And Protection <small>(02 89)</small>			
		Note: Includes removal and disposal after use.			
02 89 00 00-0002		Hazmat Containment Construction Plastic Sheeting <small>(02 89 00 00-0001)</small>			
02 89 00 00-0003	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.51		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.67		
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.89		
02 89 00 00-0006	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.79		
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.99		
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.31		
02 89 00 00-0009		Decontamination Chambers <small>(02 89)</small>			
		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 CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	UNIT COST

END OF SECTION 02



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	

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
------------------	----	---	----------	-------

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



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	
10 14 53 11-0060	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	352.58	34.71	
			For Diamond Grade, Add	84.95		
10 14 53 11-0061	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	161.41		
			For Diamond Grade, Add	393.30	39.33	
10 14 53 11-0062	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	94.39		
			For Diamond Grade, Add	179.34		
10 14 53 11-0063	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	470.73	43.95	
			For Diamond Grade, Add	114.84		
10 14 53 11-0064	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	218.20		
			For Diamond Grade, Add	668.15	50.90	
10 14 53 11-0065	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	122.71		
			For Diamond Grade, Add	322.82		
10 14 53 11-0066	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	233.15		
			For Diamond Grade, Add	100.69		
10 14 53 11-0067	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	146.47	39.33	
			For Diamond Grade, Add	113.27		
10 14 53 11-0068	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	215.21		
			For Diamond Grade, Add	125.86	43.95	
10 14 53 11-0069	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	239.13		
			For Diamond Grade, Add	138.44	50.90	
10 14 53 11-0070	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	263.04		
			For Diamond Grade, Add	151.03		
10 14 53 11-0071	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	605.22	55.52	
			For Diamond Grade, Add	286.95		
10 14 53 11-0072	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	334.78		
			For Diamond Grade, Add	201.37	55.52	
10 14 53 11-0073	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	382.60		
			For Diamond Grade, Add	213.95		
10 14 53 11-0074	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	406.51		
			For Diamond Grade, Add	226.54	57.83	
10 14 53 11-0075	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	430.42		
			For Diamond Grade, Add	188.78		
10 14 53 11-0076	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	358.69		
			For Diamond Grade, Add	453.08	74.04	
10 14 53 11-0077	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	For Hi-Intensity Grade, Add	860.85		
			For Diamond Grade, Add	1,206.43	57.83	
				327.23		
				621.73		
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		
10 14 53 11-0080	EA	12" x 12" Reflective Polyethylene Traffic Sign		106.48		
10 14 53 11-0081	EA	12" x 18" Reflective Polyethylene Traffic Sign		114.10		
10 14 53 11-0082	EA	18" x 18" Reflective Polyethylene Traffic Sign		139.70		
10 14 53 11-0083	EA	18" x 24" Reflective Polyethylene Traffic Sign		174.79		
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		
10 14 53 11-0088	EA	6" x 18" Steel Non-ReflectORIZED Traffic Sign		18.50		
10 14 53 11-0089	EA	9" x 12" Steel Non-ReflectORIZED Traffic Sign .....		.49.71		
10 14 53 11-0090	EA	9" x 15" Steel Non-ReflectORIZED Traffic Sign .....		.49.71		
10 14 53 11-0091	EA	9" x 18" Steel Non-ReflectORIZED Traffic Sign .....		.52.88		
10 14 53 11-0092	EA	9" x 24" Steel Non-ReflectORIZED Traffic Sign .....		.56.05		
10 14 53 11-0093	EA	9" x 48" Steel Non-ReflectORIZED Traffic Sign .....		.64.70		
10 14 53 11-0094	EA	12" x 12" Steel Non-ReflectORIZED Traffic Sign .....		.90.08		
10 14 53 11-0095	EA	12" x 18" Steel Non-ReflectORIZED Traffic Sign .....		.53.94		
10 14 53 11-0096	EA	12" x 24" Steel Non-ReflectORIZED Traffic Sign .....		.64.70		
10 14 53 11-0097	EA	12" x 30" Steel Non-ReflectORIZED Traffic Sign .....		.73.16		
10 14 53 11-0098	EA	12" x 36" Steel Non-ReflectORIZED Traffic Sign .....		.81.62		
10 14 53 11-0099	EA	18" x 18" Steel Non-ReflectORIZED Traffic Sign .....		.90.08		
10 14 53 11-0100	EA	18" x 24" Steel Non-ReflectORIZED Traffic Sign .....		.77.39		
				.90.08		
				19.66		
				19.66		
				19.66		
				19.66		
				19.66		

10 Specialties

10 10 Information Specialties
10 14 Signage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0101	EA	18" x 30" Steel Non-Reflectorized Traffic Sign.....	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

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	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 <small>(10 14 53 11-0085)</small>			
10 14 53 11-0191	EA	6" x 12"	Polyethylene Non-Reflective Polyethylene Traffic Sign .....	.76.50	17.40	
10 14 53 11-0192	EA	12" x 12"	Polyethylene Non-Reflective Polyethylene Traffic Sign .....	.83.98	18.50	
10 14 53 11-0193	EA	12" x 18"	Polyethylene Non-Reflective Polyethylene Traffic Sign .....	.90.63	19.71	
10 14 53 11-0194	EA	18" x 18"	Polyethylene Non-Reflective Polyethylene Traffic Sign	122.92	20.83	
10 14 53 11-0195	EA	18" x 24"	Polyethylene Non-Reflective Polyethylene Traffic Sign	131.96	22.02	
10 14 53 11-0196	EA	24" x 24"	Polyethylene Non-Reflective Polyethylene Traffic Sign	154.82	23.14	
10 14 53 11-0197			Signs For Overhead Sign Structures <small>(10 14 53 11-0006)</small>			
			Note: Including horizontal Z-bars.			
10 14 53 11-0198	SF	From 30 To 360 SF	For Over 10' High, Add Signs For Overhead Sign Structures	25.00		
10 14 53 11-0199	VLF	Vertical Sign Hangers	For Overhead Sign Structures, Per Hanger	13.00		
			Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.	32.50		
10 14 53 11-0200			Flashing Beacon <small>(10 14 53 11-0006)</small>			
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) <small>(10 14 53 11-0006)</small>			
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 <small>(10 14 53 11-0006)</small>			
			Note: Excludes posts.			
10 14 53 11-0206			Aluminum Engineer Grade Street Signs <small>(10 14 53 11-0205)</small>			
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 <small>(10 14 53 11-0205)</small>			
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 <small>(10 14 53 11-0006)</small>			
			Note: Excludes sign.			
10 14 53 11-0214			U-Channel Sign Posts <small>(10 14 53 11-0213)</small>			
			Note: Excludes digging and concrete.			
10 14 53 11-0215			Baked Enamel U-Channel Sign Posts <small>(10 14 53 11-0214)</small>			
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 <small>(10 14 53 11-0214)</small>			
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 <small>(10 14 53 11-0214)</small>		
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 <small>(10 14 53 11-0213)</small>		
Note: Excludes digging and concrete.				
10 14 53 11-0237		2-3/8" Diameter, Galvanized Steel Tubular Sign Post <small>(10 14 53 11-0236)</small>		
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 <small>(10 14 53 11-0213)</small>		
Note: Excludes digging and concrete.				
10 14 53 11-0244		Galvanized Steel Square Sign Posts <small>(10 14 53 11-0243)</small>		
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 <small>(10 14 53 11-0006)</small>		
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 <small>(10 14 53 11-0251)</small>		
10 14 53 11-0253		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts <small>(10 14 53 11-0252)</small>		
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 <small>(10 14 53 11-0252)</small>		
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 <small>(10 14 53 11-0251)</small>		
10 14 53 11-0259		Base Posts, 4 Lb./LF, For Breakaway Sign Posts <small>(10 14 53 11-0258)</small>		
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 <small>(10 14 53 11-0258)</small>		
10 14 53 11-0263	LF	4 Lb./LF Breakaway Sign Post.....	15.49	2.31
10 14 53 11-0264		Driven Sign Posts <small>(10 14 53 11-0251)</small>		
10 14 53 11-0265		Driven Posts, 2.5 Lb./LF <small>(10 14 53 11-0264)</small>		
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 <small>(10 14 53 11-0264)</small>		
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 <small>(10 14 53 11-0251)</small>		
10 14 53 11-0270		Omni-Directional Breakaway Systems For Signs <small>(10 14 53 11-0269)</small>		
Note: Break-Safe as manufactured by Tramspo 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 (Tramspo B525).....	1,469.95	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650).....	1,566.22	
10 14 53 11-0273	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo A14 And A16).....	1,073.76	
10 14 53 11-0274	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5).....	940.47	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4).....	1,066.36	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6).....	1,014.52	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6).....	1,099.68	



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	

10 14 53 11-0278	Omni-Directional Breakaway Systems For Poles ^(10 14 53 11-0269)		
Note: Pole-Safe as Manufactured by Tramso Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or 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
4.62			
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
1.09			
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
1.09			

10 Specialties

10 80 Other Specialties
10 81 Pest Control Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION 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	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	8.27	1.09
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.77	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	145.37	1.09
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	213.83	213.83	1.09
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	269.19	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	1.09	1.09	0.37
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.05	1.05	0.37
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.01	1.01	0.37
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.97	0.97	0.37
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	0.97	0.97	0.37
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.95	0.95	0.37
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.92	0.92	0.37
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.92	0.92	0.37
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.88	0.88	0.37
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.99	0.99	0.37
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.93	0.93	0.37
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.23	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	9.40	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.16	14.16	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.66	16.66	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	23.68	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	143.52	

END OF SECTION 10



MINOR CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
			UNIT COST	UNIT COST	

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 UNIT COST	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. Traffilogix.				
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 DEMOLITION
UNIT COST UNIT COST

32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	54.91
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 00-0011 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.....	39.48
Note: Tapered on edges to roadway.			
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown.....	46.57
Note: Tapered on edges to roadway.			
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown.....	49.61
Note: Tapered on edges to roadway.			
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown.....	58.54
Note: Tapered on edges to roadway.			
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown.....	60.78
Note: Tapered on edges to roadway.			
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown.....	67.86
Note: Tapered on edges to roadway.			

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
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	31.10
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	157.01

1.95

1.30

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			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line (25% Solid), Deduct			

32 17 23 13-0006	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.80
For 20 Mil Thickness, Add			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line (25% Solid), Deduct			

32 17 23 13-0007	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.97
For 20 Mil Thickness, Add			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line (25% Solid), Deduct			

32 17 23 13-0008	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.47
For 20 Mil Thickness, Add			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line (25% Solid), Deduct			

32 17 23 13-0009	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.90
For 20 Mil Thickness, Add			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line On One Side, Deduct			

32 17 23 13-0010	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.28
For 20 Mil Thickness, Add			
For Up To 5,000 LF, Add			
For >25,000 LF, Deduct			
For Broken Line On One Side, Deduct			

32 17 23 13-0011	SF	Solid Area, Epoxy Reflective Pavement Marking.....	8.56
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.			
For 20 Mil Thickness, Add			

32 17 23 13-0012	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	5.33
For 20 Mil Thickness, Add			
For <10, Add			
For >50 To 100, Deduct			
For >100 To 200, Deduct			
For >200, Deduct			

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST 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

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
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
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 CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0045	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.33	
		For Up To 5,000 LF, Add	0.27	
		For >5,000 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 Note: Includes yellow or white.	1.99	
		For Up To 5,000 LF, Add	0.40	
		For >5,000 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 Note: Includes yellow or white.	8.20	
		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

32

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0056	SF Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking..... For 30 mils Thick, Deduct For 45 mils Thick, Add For Enhanced Wet-Night Visibility, Add	9.29 -0.59 0.29 0.19		
32 17 23 13-0057	SF Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking..... Note: Handicap, railroad, diamond, arrows, etc. For 30 mils Thick, Deduct For 45 mils Thick, Add For Enhanced Wet-Night Visibility, Add	11.65 -0.59 0.29 0.19		
32 17 23 13-0058	Painted Reflective Pavement Marking (CALTRANS) <small>(32 17 23 13)</small>			
	Note: 20 to 25 mil thickness, per LF of detail.			
32 17 23 13-0059	LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.29 0.06 -0.04		
32 17 23 13-0060	LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.47 0.09 -0.07		
32 17 23 13-0061	LF CALTRANS Detail 4 Centerline	1.10		
	For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.22 -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 For >25,000 LF, Deduct	0.06 -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 For >25,000 LF, Deduct	0.10 -0.07		
32 17 23 13-0064	LF CALTRANS Detail 7 Centerline	0.79		
	For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.16 -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 For >25,000 LF, Deduct	0.06 -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 For >25,000 LF, Deduct	0.09 -0.07		
32 17 23 13-0067	LF CALTRANS Detail 10 Lanelines	1.10		
	For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.22 -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 For >25,000 LF, Deduct	0.06 -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 For >25,000 LF, Deduct	0.09 -0.07		
32 17 23 13-0070	LF CALTRANS Detail 13 Lanelines	0.79		
	For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.16 -0.12		
32 17 23 13-0071	LF CALTRANS Detail 14 Lanelines	0.79		
	For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.16 -0.12		
32 17 23 13-0072	LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.47 0.09 -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 For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.08 -0.06 -0.05 -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 For >25,000 LF, Deduct	0.22 -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 For >25,000 LF, Deduct	0.63 -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 For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.08 -0.06 -0.05 -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 For >25,000 LF, Deduct	0.19 -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 For >25,000 LF, Deduct	0.53 -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 For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.09 -0.07 -0.07 -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 For >25,000 LF, Deduct	0.24 -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

32

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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 UNIT COST	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

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	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 <small>(32 17 23 13)</small>			
			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 <small>(32 17 23 13)</small>			
32 17 23 13-0165	LF		2" Wide Marking For Outdoor Play Areas	1.09		
32 17 23 13-0166	LF		3" Wide Marking For Outdoor Play Areas	1.24		
32 17 23 13-0167	LF		4" Wide Marking For Outdoor Play Areas	1.40		
32 17 23 13-0168	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 <small>(32 17 23)</small>			
32 17 23 23-0001			Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>			
			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 <small>(32 17 23 23)</small>			
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 <small>(32 17 23)</small>			
32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small>			
			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 <small>(32 17 23 33-0001)</small>			
			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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line (25% Solid), Deduct	2.14	0.43 -0.32 0.08 -0.30 0.39 -1.30		
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line (25% Solid), Deduct	2.84	0.57 -0.43 0.11 -0.40 0.52 -1.73		
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line (25% Solid), Deduct	4.15	0.83 -0.62 0.16 -0.61 0.78 -2.60		
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line On One Side, Deduct For Double Broken Line, Deduct	2.82	0.56 -0.42 0.11 -0.40 0.52 -0.87 -1.73		
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line On One Side, Deduct For Double Broken Line, Deduct	4.15	0.83 -0.62 0.16 -0.61 0.78 -1.30 -2.60		
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white. For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	10.17	0.16 -0.60 0.78		
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	6.76	0.76 -0.38 -0.50 -1.01 0.08 -0.30 0.39		
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	13.86	1.14 -0.57 -0.76 -1.52 0.30 -1.09 1.40		
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	23.58	1.90 -0.95 -1.27 -2.53 0.52 -1.91 2.46		
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	44.63	3.82 -1.91 -2.54 -5.09 0.91 -3.36 4.32		
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	53.42	4.27 -2.14 -2.85 -5.69 1.19 -4.37 5.61		

**Exterior Improvements 32**

Bases, Ballasts, and Paving 32 10

Paving Specialties 32 17

32

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST 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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0033	EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking..... For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	449.46 6.77 -24.94 32.06		
32 17 23 33-0034	EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking..... For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	572.05 8.62 -31.74 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..... For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	367.75 5.54 -20.41 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..... For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	490.32 7.38 -27.21 34.98		
32 17 23 33-0037	EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking..... For Enhanced Wet-Night Visibility, Add For 60 mils Thick, Deduct For 125 mils Thick, Add	95.35 1.44 -5.29 6.80		
32 17 23 33-0038	Thermoplastic Reflective Pavement Striping By Hand For Repairs <small>(32 17 23 33-0001)</small>			
32 17 23 33-0039	LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.53 0.06 -0.20 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 0.08 -0.30 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 0.11 -0.40 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 0.16 -0.61 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 0.33 -1.21 1.56		
32 17 23 33-0044	Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small>			
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 For >25,000 LF, Deduct	0.64 -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 For >25,000 LF, Deduct	0.94 -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 For >25,000 LF, Deduct	1.25 -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 For >25,000 LF, Deduct	1.86 -1.39	
32 17 23 33-0049	SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement 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 For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1.38 -0.69 -0.92 -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 For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1.75 -0.87 -1.17 -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 For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	3.46 -1.73 -2.31 -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 For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	6.93 -3.46 -4.62 -9.23	

**Exterior Improvements 32**

Bases, Ballasts, and Paving 32 10

Paving Specialties 32 17

32

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	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 For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	201.68 7.77 -3.88 -5.18 -10.36		
32 17 23 33-0055	EA 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	260.61 13.82 -6.91 -9.21 -18.42		
32 17 23 33-0056	EA 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	332.88 18.56 -9.28 -12.37 -24.74		
32 17 23 33-0057	EA 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	417.08 23.00 -11.50 -15.33 -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 <small>(32 17 23 33-0001)</small>			
	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		
32 17 23 33-0062	EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	1,098.83		
32 17 23 33-0063	EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	220.64		
32 17 23 33-0064	EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	186.98		
32 17 23 33-0065	EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	361.12		
32 17 23 33-0066	EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	216.28		
32 17 23 33-0067	EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	401.77		
32 17 23 33-0068	EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	685.12		
32 17 23 33-0069	EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	1,030.34		
32 17 23 33-0070	EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	372.10		
32 17 23 33-0071	EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	412.75		
32 17 23 33-0072	EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	758.26		
32 17 23 33-0073	EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	697.45		
32 17 23 33-0074	EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	700.81		
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 <small>(32 17 23 33)</small>			
32 17 23 33-0077	Thermoplastic Pavement Marking Symbols For Parking Areas <small>(32 17 23 33-0076)</small>			
	Note: Heat applied. (Flint PreMark Series).			
32 17 23 33-0078	EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	141.97		
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		
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		
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 (SafetyStep 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 10)				
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	3-3/4" 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	



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

MINOR CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0013	Loose Laid Playground Surface Material <small>(32 18 16 13)</small>			
	Note: Excludes sub base.			
32 18 16 13-0014	SF 3" Loose Laid Wood Fiber Safety Playground Surfacing	1.82	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 <small>(32 18 16 13)</small>			
	Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.			
32 18 16 13-0025	SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0033	SF 1/2" Top Only, Poured In Place Playground Surfacing	13.22		
	Note: Not used with new surfacing system tasks.			
	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) <small>(32 18 16 13)</small>			
	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 <small>(32 18)</small>				
32 18 23 13 Baseball Field Surfacing <small>(32 18 23)</small>				
32 18 23 13-0001	Clay Infield Maintenance <small>(32 18 23 13)</small>			
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 <small>(32 18 23)</small>				
32 18 23 23-0001	Turf Field Maintenance <small>(32 18 23 23)</small>			
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 <small>(32 18 23)</small>				
32 18 23 29-0001	Synthetic Field Sport Surfacing <small>(32 18 23 29)</small>			
32 18 23 29-0002	Synthetic Turf (AstroTurf) <small>(32 18 23 29-0001)</small>			
	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) <small>(32 18 23 29-0002)</small>			
32 18 23 29-0004	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>			
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) <small>(32 18 23 29-0013)</small>			
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	

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	UNIT COST
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per sport.	7,469.48		
32 18 23 29-0018	EA		End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per letter. Excludes outline.	2,774.38		
32 18 23 29-0019	EA		Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields	2,560.96		
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	22,408.44		
32 18 23 29-0021	EA		Note: Block letter. 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) <small>(32 18 23 29-0003)</small>			
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)..... For Ambient Rubber And Sand Infill, Add	10.00	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..... Note: Per sport.	8,003.01		
32 18 23 29-0027	EA		End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per letter. Excludes outline.	2,987.79		
32 18 23 29-0028	EA		Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields	2,667.67		
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	23,475.50		
32 18 23 29-0030	EA		Note: Block letter. 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) <small>(32 18 23 29-0002)</small>			
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) <small>(32 18 23 29-0031)</small>			
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)..... For Ambient Rubber And Sand Infill, Add	11.20	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..... Note: Per sport.	9,070.03		
32 18 23 29-0037	EA		End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields	3,414.60		
32 18 23 29-0038	EA		Note: Per letter. Excludes outline. Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields	2,881.07		
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	25,609.49		
32 18 23 29-0040	EA		Note: Block letter. 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) <small>(32 18 23 29-0031)</small>			
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)..... For Ambient Rubber And Sand Infill, Add	11.59	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..... Note: Per sport.	9,603.56		
32 18 23 29-0046	EA		End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	3,628.01		
32 18 23 29-0047	EA		Note: Per letter. Excludes outline. Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields	2,987.77		
32 18 23 29-0048	EA		Note: Block letter. Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	26,676.55		
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 CSI	UOM DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION 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)..... For Ambient Rubber And Sand Infill, Add For Cryo Rubber Infill, Add For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add For Cryo Rubber And Sand Infill, Add	11.61 0.10 0.20 0.25 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)..... For Ambient Rubber And Sand Infill, Add For Cryo Rubber Infill, Add For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add For Cryo Rubber And Sand Infill, Add	11.84 0.10 0.20 0.25 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)..... For Ambient Rubber And Sand Infill, Add For Cryo Rubber Infill, Add For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add For Cryo Rubber And Sand Infill, Add	9.42 0.10 0.26 0.31 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)..... For Ambient Rubber And Sand Infill, Add For Cryo Rubber Infill, Add For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add For Cryo Rubber And Sand Infill, Add	8.26 0.10 0.26 0.31 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.			



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

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	UNIT COST
32 18 23 29-0083	EA		End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields	2,347.54		
32 18 23 29-0084	EA		Note: Per letter. Excludes outline.			
32 18 23 29-0084	EA		Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,347.54		
32 18 23 29-0085	EA		Note: Per end zone.			
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	20,274.18		
32 18 23 29-0086	EA		Note: Block letter.			
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields	29,397.56		
			Note: Graphic.			
32 18 23 29-0087			Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) <small>(32 18 23 29-0002)</small>			
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	15,300.74		
			Note: Per sport.			
32 18 23 29-0093	EA		End Zone Lettering For AstroTurf® PureGrass® Fields	5,850.28		
			Note: Per letter. Excludes outline.			
32 18 23 29-0094	EA		Colored End Zone For AstroTurf® PureGrass® Fields.....	4,342.48		
			Note: Per end zone.			
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields.....	39,082.31		
			Note: Block letter.			
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields	57,377.78		
			Note: Graphic.			
32 18 23 29-0097			Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>			
			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.			
			For >35,000, Deduct	-0.92		
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.			
			For >35,000, Deduct	-0.91		
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	72,806.55		
			Note: Includes field grid, numbers, arrows, coach's box and kick off lines.			
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf	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	3,640.33		
			Note: Priced per letter. Includes single color outlining.			
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41		
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.			
			For >10,000 To 30,000, Deduct	-0.32		
			For >30,000 To 60,000, Deduct	-0.56		
			For >60,000, Deduct	-0.61		
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	5.44		
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.			
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill.....	6.05		
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.			
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf	4.96		
			Note: Used for drainage over asphalt or 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.....	3.75		
			Note: Includes removal, shipping and recycling of infill, fibers and backing.			

32 Exterior Improvements

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
--------------	-----	-------------	---------------------------	-------------------------

32 18 23 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

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 Surfacing	32 18

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	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..... Note: For previously uncoated portland cement concrete. Applied with broom.	0.80		
32 18 23 61-0005	SY		Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat..... Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.05		
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..... 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.	91.07		
32 18 23 61-0007			Surface Coatings For Athletic Surfacing System (Plexipave®) <small>(32 18 23 61-0001)</small> 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..... Note: Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> 1.18 <i>For US Open Blue, Add</i> 1.83	3.28		
32 18 23 61-0009	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat..... Note: Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> 0.85 <i>For US Open Blue, Add</i> 1.31	2.68		
32 18 23 61-0010	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat..... Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> 0.66 <i>For US Open Blue, Add</i> 1.02	2.34		
32 18 23 61-0011	SY		Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat..... Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom. <i>For Pacific Blue, Add</i> 0.79 <i>For US Open Or Australian Open Blue, Add</i> 1.29 <i>For Pro Purple, Add</i> 2.22	2.33		
32 18 23 61-0012			Line Striping For Athletic Surfacing System (Plexipave®) <small>(32 18 23 61-0001)</small> 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 Plicicolor®)..... Note: Textured or non-textured highly reflective line marking paint.	1.57		
32 18 23 61-0014			Cushion Coatings For Athletic Surfacing System (Plexipave® Plicushion®) <small>(32 18 23 61-0001)</small>			
32 18 23 61-0015	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plicushion® Base Coat), First Coat Note: Applied with rubber squeegee.	4.98		
32 18 23 61-0016	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	6.76		
32 18 23 61-0017	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	5.83		
32 18 23 61-0018	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plicushion®), First Coat..... Note: Applied with rubber squeegee.	4.39		
32 18 23 61-0019	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plicushion®), Second Coat..... Note: Price per coat for second or additional coats. Applied with rubber squeegee.	3.38		
32 18 23 61-0020			Resurface Athletic Court <small>(32 18 23 61)</small> Note: Excludes asphalt or concrete sub base and repairs of sub base.			
32 18 23 61-0021	SY		Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster).....	2.79		

END OF SECTION 32



MINOR	CSI	UOM	DESCRIPTION
-------	-----	-----	-------------

TOTAL	DIRECT	DEMOLITION
UNIT COST	UNIT COST	UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



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

50

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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 80)

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 CALTRAN 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

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 80)

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) .....	.077
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 .....	.91
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX) .....	.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 .....	.34
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED .....	.91
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER .....	.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 171015 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



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

50

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



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0173	LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT For >1,000, Deduct	97.12	-4.86	
50 89 83 20-0174	LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT For >1,000, Deduct	139.04	-6.95	
50 89 83 20-0175	LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT For >1,000, Deduct	183.47	-9.17	
50 89 83 20-0176	LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT For >1,000, Deduct	233.66	-11.68	
50 89 83 21 EROSION CONTROL <small>(50 89 83)</small>				
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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001	TON CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)..... For Up To 500, Add For >500 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000, Deduct	54.73 16.12 5.47 -2.08 -3.56		
50 89 84 27-0002	CY CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY)..... For Up To 500, Add For >500 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000, Deduct	73.90 21.78 7.39 -2.81 -4.80		
50 89 84 27-0003	TON CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON)..... For Up To 500, Add For >500 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000, Deduct	44.57 13.07 4.46 -1.69 -2.90		
50 89 84 27-0004	CY CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY)..... For Up To 500, Add For >500 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000, Deduct	63.75 18.74 6.38 -2.42 -4.14		
50 89 84 28	CONCRETE BASES <small>(50 89 84)</small>			
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 <small>(50 89 84)</small>			
Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.				
50 89 84 29-0001	CY CALTRANS 290301 CEMENT TREATED PERMEABLE BASE..... For >5,000 To 30,000, Deduct For >30,000 To 100,000, Deduct For >100,000, Deduct	1,004.09 -106.91 -195.22 -242.44		
50 89 84 30	RECLAIMED PAVEMENT <small>(50 89 84)</small>			
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 <small>(50 89 80)</small>			
50 89 85 37	BITUMINOUS SEALS <small>(50 89 85)</small>			
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)..... For Up To 150, Add For >150 To 300, Add For >300 To 500, Add For >3,500 To 5,000, Deduct For >5,000, Deduct	1.06 0.23 0.11 0.05 -0.03 -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 <small>(50 89 85)</small>			
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 UNIT COST	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

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

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
------------------	--	-------



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	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 <small>(50 89 85)</small>					
	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 <small>(50 89 86)</small>					
50 89 86 47	EARTH RETAINING SYSTEMS <small>(50 89 86)</small>					
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 <small>(50 89 86)</small>					
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 <small>(50 89 86)</small>					
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")..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	635.09 125.45 250.91	
50 89 86 60-0012	LF	CALTRANS 600081 CORE CONCRETE (1 1/2")..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	150.19 29.71 59.42	
50 89 86 60-0013	LF	CALTRANS 600083 CORE CONCRETE (2 1/2")..... For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	175.16 34.58 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 CALTRAN Standard.				
50 89 87 64-0001	LF	CALTRANS 641101 12" PLASTIC PIPE	53.27	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 64-0002	LF	CALTRANS 641104 15" PLASTIC PIPE	66.78	
		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 64-0003	LF	CALTRANS 641107 18" PLASTIC PIPE	84.37	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 64-0004	LF	CALTRANS 641110 21" PLASTIC PIPE	100.29	
		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 64-0005	LF	CALTRANS 641113 24" PLASTIC PIPE	116.85	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 64-0006	LF	CALTRANS 641119 30" PLASTIC PIPE	168.27	
		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 64-0007	LF	CALTRANS 641125 36" PLASTIC PIPE	205.10	
		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 64-0008	LF	CALTRANS 641128 42" PLASTIC PIPE	299.93	
		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 64-0009	LF	CALTRANS 641131 48" PLASTIC PIPE	363.73	
		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 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 CALTRAN Standard.				
50 89 87 65-0001	LF	CALTRANS 650010 12" REINFORCED CONCRETE PIPE..... Note: Includes 0.37 CY of excavated material per LF of pipe.	67.55	
		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 65-0002	LF	CALTRANS 650012 15" REINFORCED CONCRETE PIPE..... Note: Includes 0.53 CY of excavated material per LF of pipe.	83.96	
		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 65-0003	LF	CALTRANS 650014 18" REINFORCED CONCRETE PIPE..... Note: Includes 0.64 CY of excavated material per LF of pipe.	96.19	
		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 65-0004	LF	CALTRANS 650016 21" REINFORCED CONCRETE PIPE..... Note: Includes 0.80 CY of excavated material per LF of pipe.	123.75	
		For >1,000, Deduct	-6.19	
		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 65-0005	LF	CALTRANS 650018 24" REINFORCED CONCRETE PIPE..... Note: Includes 0.89 CY of excavated material per LF of pipe.	143.08	
		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	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023	LF	CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III)..... Note: Includes 0.37 CY of excavated material per LF of pipe.	67.55		
		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)..... Note: Includes 0.53 CY of excavated material per LF of pipe.	83.96		
		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)..... Note: Includes 0.64 CY of excavated material per LF of pipe.	96.19		
		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)..... Note: Includes 0.89 CY of excavated material per LF of pipe.	143.08		
		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)..... Note: Includes 0.98 CY of excavated material per LF of pipe.	176.87		
		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)..... Note: Includes 1.08 CY of excavated material per LF of pipe.	189.12		
		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)..... Note: Includes 1.30 CY of excavated material per LF of pipe.	232.81		
		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)..... Note: Includes 1.53 CY of excavated material per LF of pipe.	299.67		
		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)..... Note: Includes 2.05 CY of excavated material per LF of pipe.	441.48		
		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)..... Note: Includes 0.37 CY of excavated material per LF of pipe.	70.42		
		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)..... Note: Includes 0.53 CY of excavated material per LF of pipe.	87.63		
		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)..... Note: Includes 0.64 CY of excavated material per LF of pipe.	100.06		
		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)..... Note: Includes 0.89 CY of excavated material per LF of pipe.	148.76		
		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)..... Note: Includes 1.08 CY of excavated material per LF of pipe.	196.87		
		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)..... Note: Includes 1.30 CY of excavated material per LF of pipe.	243.33		
		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)..... Note: Includes 1.78 CY of excavated material per LF of pipe.	378.07		
		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)..... Note: Includes 2.05 CY of excavated material per LF of pipe.	466.00		
		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		



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

50

MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040	LF	CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV)..... Note: Includes 2.33 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	559.86	-27.99 0.97 1.22	
50 89 87 65-0041	LF	CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 0.37 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	73.59	-3.68 0.97 1.22	
50 89 87 65-0042	LF	CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 0.64 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	104.33	-5.22 0.97 1.22	
50 89 87 65-0043	LF	CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 0.89 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	155.04	-7.75 0.97 1.22	
50 89 87 65-0044	LF	CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 1.08 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	189.12	-9.46 0.97 1.22	
50 89 87 65-0045	LF	CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V)..... 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	254.95	-12.75 0.97 1.22	
50 89 87 65-0046	LF	CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 1.53 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	299.67	-14.98 0.97 1.22	
50 89 87 65-0047	LF	CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 2.05 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	493.09	-24.65 0.97 1.22	
50 89 87 65-0048	LF	CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 2.33 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	529.72	-26.49 0.97 1.22	
50 89 87 65-0049	LF	CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V)..... Note: Includes 2.96 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	911.79	-45.59 0.97 1.22	
50 89 87 65-0050	LF	CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)..... Note: Includes 0.37 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	68.16	-3.41 0.97 1.22	
50 89 87 65-0051	LF	CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)..... Note: Includes 0.89 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	144.28	-7.21 0.97 1.22	
50 89 87 65-0052	LF	CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)..... Note: Includes 0.37 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	69.82	-3.49 0.97 1.22	
50 89 87 65-0053	LF	CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)..... Note: Includes 0.64 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	99.24	-4.96 0.97 1.22	
50 89 87 65-0054	LF	CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)..... Note: Includes 0.80 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	127.72	-6.39 0.97 1.22	
50 89 87 65-0055	LF	CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)..... Note: Includes 0.89 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	147.57	-7.38 0.97 1.22	
50 89 87 65-0056	LF	CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)..... Note: Includes 1.08 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	195.24	-9.76 0.97 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)..... Note: Includes 1.30 CY of excavated material per LF of pipe.	241.11	
		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)..... Note: Includes 1.53 CY of excavated material per LF of pipe.	311.68	
		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)..... Note: Includes 1.78 CY of excavated material per LF of pipe.	374.10	
		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)..... Note: Includes 2.96 CY of excavated material per LF of pipe.	960.80	
		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)..... Note: Includes 0.89 CY of excavated material per LF of pipe.	153.67	
		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)..... Note: Includes 1.08 CY of excavated material per LF of pipe.	203.57	
		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)..... Note: Includes 1.30 CY of excavated material per LF of pipe.	252.41	
		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)..... Note: Includes 1.53 CY of excavated material per LF of pipe.	328.02	
		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)..... Note: Includes 2.64 CY of excavated material per LF of pipe.	883.03	
		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)..... Note: Includes 0.64 CY of excavated material per LF of pipe.	162.85	
		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)..... Note: Includes 0.89 CY of excavated material per LF of pipe.	201.27	
		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)..... Note: Includes 1.30 CY of excavated material per LF of pipe.	267.75	
		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)..... Note: Includes 1.08 CY of excavated material per LF of pipe.	280.76	
		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)..... Note: Includes 1.78 CY of excavated material per LF of pipe.	482.01	
		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..... Note: Includes 0.64 CY of excavated material per LF of pipe.	88.06	
		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..... Note: Includes 0.89 CY of excavated material per LF of pipe.	131.12	
		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..... Note: Includes 1.08 CY of excavated material per LF of pipe.	172.79	
		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	210.67	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	-10.53	
		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		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)	30.45	
		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	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK)	32.95	
		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	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK)	41.04	
		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	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK)	44.32	
		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	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK)	50.51	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK)	53.19	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK)	56.17	
		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 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.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 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK)	70.66	
		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 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK)	75.94	
		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 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK)	86.82	
		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 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK)	82.77	
		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 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK)	89.15	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK)	102.34	
		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 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK)	98.25	
		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 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK)	105.61	
		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 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK)	120.95	
		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 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK)	108.87	
		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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK)	117.66		
		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 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK)	135.14		
		Note: Includes 0.89 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22		
50 89 87 66-0021	LF	CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK)	149.81		
		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 66-0022	LF	CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK)	125.68		
		Note: Includes 0.98 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 66-0023	LF	CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK)	135.42		
		Note: Includes 0.98 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 66-0024	LF	CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK)	145.48		
		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 66-0025	LF	CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK)	155.94		
		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 66-0026	LF	CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK)	177.54		
		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 66-0027	LF	CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK)	196.20		
		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 66-0028	LF	CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK)	191.57		
		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 66-0029	LF	CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK)	204.26		
		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 66-0030	LF	CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK)	229.89		
		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 66-0031	LF	CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK)	253.89		
		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 66-0032	LF	CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK)	282.24		
		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 66-0033	LF	CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK)	223.21		
		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 66-0034	LF	CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK)	237.75		
		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 66-0035	LF	CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK)	267.36		
		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 66-0036	LF	CALTRANS 665043 42" CORRUGATED STEEL PIPE (.138" THICK)	295.44		
		Note: Includes 1.53 CY of excavated material per LF of pipe.			
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.22		
50 89 87 66-0037	LF	CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK)	254.23		
		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 66-0038	LF	CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK)	270.86		
		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 66-0039	LF	CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK)	304.81		
		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		



MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040	LF	CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	336.66	0.97	1.22
50 89 87 66-0041	LF	CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	374.20	0.97	1.22
50 89 87 66-0042	LF	CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	330.65	0.97	1.22
50 89 87 66-0043	LF	CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	368.14	0.97	1.22
50 89 87 66-0044	LF	CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	403.82	0.97	1.22
50 89 87 66-0045	LF	CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	448.28	0.97	1.22
50 89 87 66-0046	LF	CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	425.65	0.97	1.22
50 89 87 66-0047	LF	CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	465.37	0.97	1.22
50 89 87 66-0048	LF	CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	514.20	0.97	1.22
50 89 87 66-0049	LF	CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	510.56	0.97	1.22
50 89 87 66-0050	LF	CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	554.22	0.97	1.22
50 89 87 66-0051	LF	CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	683.84	0.97	1.22
50 89 87 66-0052	LF	CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	745.71	0.97	1.22
50 89 87 66-0053	LF	CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	805.95	0.97	1.22
50 89 87 66-0054	LF	CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	863.09	0.97	1.22
50 89 87 66-0055	LF	CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	956.07	0.97	1.22
50 89 87 66-0056	LF	CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	924.84	0.97	1.22
50 89 87 66-0057	LF	CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	984.16	0.97	1.22
50 89 87 66-0058	LF	CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" 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	113.29	0.97	1.22
50 89 87 66-0059	LF	CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" 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	123.59	0.97	1.22
50 89 87 66-0060	LF	CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)..... 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	35.74	0.97	1.22
50 89 87 66-0061	LF	CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)..... 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	44.69	0.97	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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0062	LF CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)..... 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	47.99 0.97 1.22		
50 89 87 66-0063	LF CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)..... 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	55.11 0.97 1.22		
50 89 87 66-0064	LF CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)..... 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	59.26 0.97 1.22		
50 89 87 66-0065	LF CALTRANS 665111 12" BITUMINOUS COATED 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	61.02 0.97 1.22		
50 89 87 66-0066	LF CALTRANS 665112 12" BITUMINOUS COATED 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	65.32 0.97 1.22		
50 89 87 66-0067	LF CALTRANS 665113 15" BITUMINOUS COATED 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	76.70 0.97 1.22		
50 89 87 66-0068	LF CALTRANS 665114 15" BITUMINOUS COATED 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	82.04 0.97 1.22		
50 89 87 66-0069	LF CALTRANS 665115 15" BITUMINOUS COATED 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	95.13 0.97 1.22		
50 89 87 66-0070	LF CALTRANS 665116 18" BITUMINOUS COATED 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	90.09 0.97 1.22		
50 89 87 66-0071	LF CALTRANS 665117 18" BITUMINOUS COATED 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	96.54 0.97 1.22		
50 89 87 66-0072	LF CALTRANS 665118 18" BITUMINOUS COATED 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	110.80 0.97 1.22		
50 89 87 66-0073	LF CALTRANS 665119 21" BITUMINOUS COATED 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	106.99 0.97 1.22		
50 89 87 66-0074	LF CALTRANS 665120 21" BITUMINOUS COATED 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	114.40 0.97 1.22		
50 89 87 66-0075	LF CALTRANS 665121 21" BITUMINOUS COATED 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	130.95 0.97 1.22		
50 89 87 66-0076	LF CALTRANS 665122 24" BITUMINOUS COATED 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	114.21 0.97 1.22		
50 89 87 66-0077	LF CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" 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	127.61 0.97 1.22		
50 89 87 66-0078	LF CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" 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	146.48 0.97 1.22		
50 89 87 66-0079	LF CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" 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	163.62 0.97 1.22		
50 89 87 66-0080	LF CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	158.25 0.97 1.22		
50 89 87 66-0081	LF CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	168.71 0.97 1.22		
50 89 87 66-0082	LF CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	191.96 0.97 1.22		
50 89 87 66-0083	LF CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	213.76 0.97 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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0105	LF	CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	548.28	0.97	1.22
50 89 87 66-0106	LF	CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	599.35	0.97	1.22
50 89 87 66-0107	LF	CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	669.71	0.97	1.22
50 89 87 66-0108	LF	CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	745.56	0.97	1.22
50 89 87 66-0109	LF	CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	819.81	0.97	1.22
50 89 87 66-0110	LF	CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	905.02	0.97	1.22
50 89 87 66-0111	LF	CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	884.09	0.97	1.22
50 89 87 66-0112	LF	CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	976.26	0.97	1.22
50 89 87 66-0113	LF	CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	947.62	0.97	1.22
50 89 87 66-0114	LF	CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1,059.20	0.97	1.22
50 89 87 66-0115	LF	CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1,014.58	0.97	1.22
50 89 87 66-0116	LF	CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" 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	188.70	0.97	1.22
50 89 87 66-0117	LF	CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" 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	140.70	0.97	1.22
50 89 87 66-0118	LF	CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" 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	155.61	0.97	1.22
50 89 87 66-0119	LF	CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	262.09	0.97	1.22
50 89 87 66-0120	LF	CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" 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	127.61	0.97	1.22
50 89 87 66-0121	LF	CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	245.65	0.97	1.22
50 89 87 66-0122	LF	CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	220.27	0.97	1.22
50 89 87 66-0123	LF	CALTRANS 665711 12" SLOTTED 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	61.60	0.97	1.22
50 89 87 66-0124	LF	CALTRANS 665712 12" SLOTTED 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	65.89	0.97	1.22
50 89 87 66-0125	LF	CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" 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	79.26	0.97	1.22



MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126	LF	CALTRANS 665716 18" SLOTTED 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	110.48	0.97	1.22
50 89 87 66-0127	LF	CALTRANS 665717 18" SLOTTED 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	120.32	0.97	1.22
50 89 87 66-0128	LF	CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" 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	204.59	0.97	1.22
50 89 87 66-0129	LF	CALTRANS 665722 24" SLOTTED 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	119.75	0.97	1.22
50 89 87 66-0130	LF	CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" 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	128.48	0.97	1.22
50 89 87 66-0131	LF	CALTRANS 665811 12" BITUMINOUS COATED SLOTTED 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	67.70	0.97	1.22
50 89 87 66-0132	LF	CALTRANS 665812 12" BITUMINOUS COATED SLOTTED 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	73.02	0.97	1.22
50 89 87 66-0133	LF	CALTRANS 665816 18" BITUMINOUS COATED SLOTTED 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	124.48	0.97	1.22
50 89 87 66-0134	LF	CALTRANS 665817 18" BITUMINOUS COATED SLOTTED 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	136.70	0.97	1.22
50 89 87 66-0135	LF	CALTRANS 665818 18" BITUMINOUS COATED SLOTTED 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	174.87	0.97	1.22
50 89 87 66-0136	LF	CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" 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	204.77	0.97	1.22
50 89 87 66-0137	LF	CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" 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	142.98	0.97	1.22
50 89 87 66-0138	LF	CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" 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	241.36	0.97	1.22
50 89 87 66-0139	LF	CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.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	79.19	0.97	1.22
50 89 87 66-0140	LF	CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.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	96.78	0.97	1.22
50 89 87 66-0141	LF	CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.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	109.87	0.97	1.22
50 89 87 66-0142	LF	CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.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	114.00	0.97	1.22
50 89 87 66-0143	LF	CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.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	129.43	0.97	1.22
50 89 87 66-0144	LF	CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" 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	120.55	0.97	1.22
50 89 87 66-0145	LF	CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" 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	145.23	0.97	1.22
50 89 87 66-0146	LF	CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" 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	160.53	0.97	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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147	LF	CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	168.49	0.97	1.22
50 89 87 66-0148	LF	CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	190.05	0.97	1.22
50 89 87 66-0149	LF	CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	209.31	0.97	1.22
50 89 87 66-0150	LF	CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	209.09	0.97	1.22
50 89 87 66-0151	LF	CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	234.57	0.97	1.22
50 89 87 66-0152	LF	CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	258.56	0.97	1.22
50 89 87 66-0153	LF	CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	244.62	0.97	1.22
50 89 87 66-0154	LF	CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	274.03	0.97	1.22
50 89 87 66-0155	LF	CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	302.01	0.97	1.22
50 89 87 66-0156	LF	CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	293.57	0.97	1.22
50 89 87 66-0157	LF	CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	319.69	0.97	1.22
50 89 87 66-0158	LF	CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	351.40	0.97	1.22
50 89 87 66-0159	LF	CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	342.57	0.97	1.22
50 89 87 66-0160	LF	CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... 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 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	371.42	0.97	1.22
50 89 87 66-0161	LF	CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	432.96	0.97	1.22
50 89 87 66-0162	LF	CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	469.06	0.97	1.22
50 89 87 66-0163	LF	CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	712.88	0.97	1.22
50 89 87 66-0164	LF	CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" 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	157.26	0.97	1.22
50 89 87 66-0165	LF	CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK)..... Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	315.46	0.97	1.22
50 89 87 66-0166	LF	CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.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 66-0167	LF	CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)..... 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 66-0168	LF	CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK)..... 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



MINOR	CSI	UOM	DESCRIPTION	TOTAL	DIRECT	DEMOLITION
				UNIT COST	UNIT COST	UNIT COST
50 89 87 66-0169	LF	CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK).....		102.34		
		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 66-0170	LF	CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.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		
50 89 87 66-0171	LF	CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.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 67	STRUCTURAL PLATE CULVERTS	<i>(50 89 87)</i>				
		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).....		970.80		
		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 67-0002	LF	CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....		1,060.65		
		Note: Includes 5.30 CY of excavated material per LF of pipe.				
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 67-0003	LF	CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....		1,177.03		
		Note: Includes 6.22 CY of excavated material per LF of pipe.				
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 67-0004	LF	CALTRANS 674351 11"-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK).....		1,353.08		
		Note: Includes 0.32 CY of excavated material per LF of pipe.				
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 68	SUBSURFACE DRAINS	<i>(50 89 87)</i>				
		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).....		33.70		
		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 68-0002	LF	CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....		45.36		
		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 68-0003	LF	CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....		49.60		
		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 68-0004	LF	CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....		64.01		
		Note: Includes 0.37 CY of excavated material per LF of pipe.				
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe		0.97		
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe		1.22		
50 89 87 68-0005	LF	CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....		69.56		
		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 68-0006	LF	CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....		54.34		
		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 69	OVERSIDE DRAINS	<i>(50 89 87)</i>				
		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 UNIT COST	DIRECT UNIT COST	DEMOLITION 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		



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

MINOR CSI	UOM	DESCRIPTION	TOTAL UNIT COST	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 CALTRAN 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 DEMOLITION
 UNIT COST 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 UNIT COST	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	-219.17		
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 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	464.93
50 89 87 71-0083	LF	CALTRANS 710768 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 710782 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 DEMOLITION
UNIT COST 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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004	SF CALTRANS 780460 ANTI-GRAFFITI COATING..... For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	1.92 1.13 0.54 0.54 0.24		
50 89 88 78-0005	EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE).....	108.17		23.19
50 89 88 80	FENCES <small>(50 89 88)</small>			
	Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.			
50 89 88 80-0001	LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST).....	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)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	47.50 8.95 3.29 -1.64 -3.29		
50 89 88 80-0009	LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	46.03 8.70 3.20 -1.60 -3.20		
50 89 88 80-0010	LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	47.57 8.96 3.29 -1.64 -3.29		
50 89 88 80-0011	LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	49.21 9.20 3.37 -1.69 -3.37		
50 89 88 80-0012	LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	51.13 9.55 3.50 -1.75 -3.50		
50 89 88 80-0013	LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	53.20 9.86 3.60 -1.80 -3.60		
50 89 88 80-0014	LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	55.36 10.30 3.77 -1.88 -3.77		
50 89 88 80-0015	LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	59.57 10.94 3.98 -1.99 -3.98		
50 89 88 80-0016	LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	57.24 10.59 3.86 -1.93 -3.86		
50 89 88 80-0017	LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	118.59 20.29 7.18 -3.59 -7.18		
50 89 88 80-0018	LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)..... For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct	65.18 11.99 4.36 -2.18 -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 DEMOLITION
UNIT COST 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
		For >100, Deduct	-0.76
		For >100, Deduct	-0.76
50 89 89 81-0003	EA	CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	8.81
		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
50 89 89 82-0003	SF	CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED).....	26.64
			39.33
			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
50 89 89 83-0002	LF	CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	124.35
50 89 89 83-0003	LF	CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST).....	147.02
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 UNIT COST	DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009	LF CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.99 0.20 -0.15		
50 89 89 84-0010	LF CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	1.13 0.23 -0.17		
50 89 89 84-0011	LF CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	1.57 0.31 -0.24		
50 89 89 84-0012	LF CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	1.30 0.26 -0.20		
50 89 89 84-0013	LF CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.80 0.16 -0.12		
50 89 89 84-0014	LF CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.97 0.19 -0.15		
50 89 89 84-0015	LF CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.55 0.11 -0.08		
50 89 89 84-0016	LF CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.50 0.10 -0.08		
50 89 89 84-0017	LF CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.55 0.11 -0.08		
50 89 89 84-0018	LF CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.43 0.09 -0.06		
50 89 89 84-0019	LF CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.55 0.11 -0.08		
50 89 89 84-0020	LF CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.63 0.13 -0.09		
50 89 89 84-0021	LF CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.55 0.11 -0.08		
50 89 89 84-0022	LF CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)..... For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.68 0.14 -0.10		
50 89 89 84-0023	SF CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING 50 89 89 84-0024 SF CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS..... 50 89 89 84-0025 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	8.56 7.05 0.35 0.07 -0.05		
50 89 89 84-0026	LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.44 0.09 -0.07		
50 89 89 84-0027	LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.55 0.11 -0.08		
50 89 89 84-0028	LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.67 0.13 -0.10		
50 89 89 84-0029	LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	0.86 0.17 -0.13		
50 89 89 84-0030	LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide For Up To 5,000 LF, Add For >25,000 LF, Deduct	1.10 0.22 -0.17		
50 89 89 84-0031	SF CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT) 50 89 89 84-0032 SF CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT) 50 89 89 84-0033 LF CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE For Up To 250, Add For >250 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000 To 25,000, Deduct For >25,000 To 50,000, Deduct For >50,000, Deduct	6.96 10.58 2.30 1.15 0.58 -0.35 -0.58 -0.81 -0.92		
50 89 89 84-0034	SF CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING For Up To 250, Add For >250 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000 To 25,000, Deduct For >25,000 To 50,000, Deduct For >50,000, Deduct	3.96 1.98 0.99 -0.59 -0.99 -1.39 -1.58		
50 89 89 84-0035	LF CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE For Up To 250, Add For >250 To 1,000, Add For >5,000 To 10,000, Deduct For >10,000 To 25,000, Deduct For >25,000 To 50,000, Deduct For >50,000, Deduct	3.49 1.75 0.87 -0.52 -0.87 -1.22 -1.40		



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

50

MINOR CSI	UOM DESCRIPTION	TOTAL	DIRECT	DEMOLITION
		UNIT COST	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



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

THIS PAGE INTENTIONALLY LEFT BLANK

This Page Intentionally Left Blank



gordian.com | 855.467.9444

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