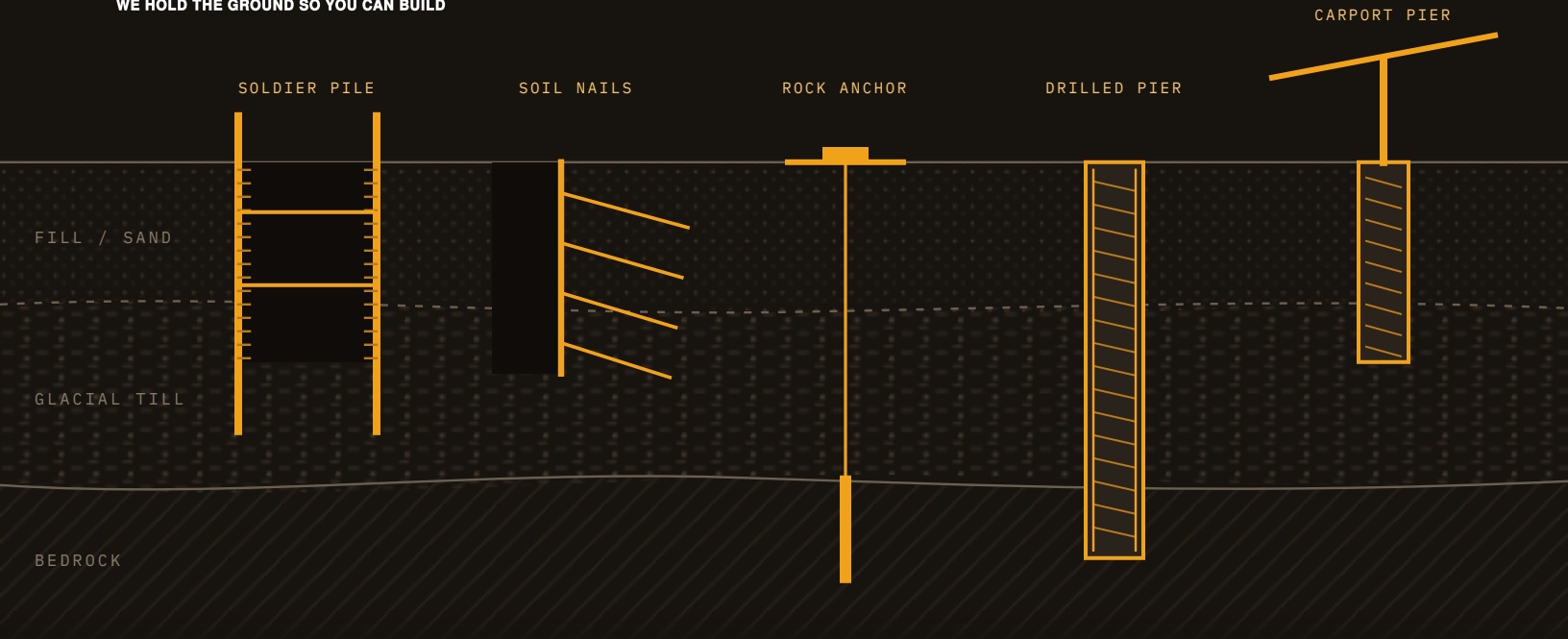




SPECIALTY EARTH-SUPPORT SUBCONTRACTOR · NEW ENGLAND

EARTH-SUPPORT UNIT PRICES YOU CAN CARRY.

Soldier piles and lagging, braced pits, soil nails, anchors, drilled piers and complete shored boxes, priced per unit for general contractors, engineers and owners across New England.

3 day quote

FIRM, ITEMIZED, FROM
YOUR DRAWINGS

54

PRICED LINE ITEMS

60 mi

LOCAL MOBILIZATION
RADIUS

90 days

PRICE VALIDITY

ISSUED

September 14, 2026

Revision 1

VALID THROUGH

December 13, 2026

90 days from issue

ESTIMATING & CONTRACTS

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AT A GLANCE · TYPICAL

Drilled soldier pile (HP / W) in drilled hole, flowable fill or lean concrete

\$300 / LF

Timber lagging, install (and remove where required)

\$41.50 / SF

Soil nail, drilled & grouted

\$130 / LF

Drilled shaft / caisson excavation in soil, by diameter

\$620 / LF

Drill rig mobilization / demobilization, local (0-60 mi)

\$33,750 LS

THE ESC 3-DAY QUOTE

FIRM QUOTE IN 3 BUSINESS DAYS.

These prices are for budgeting and bid-day carry. For a firm number, email the plan set, boring logs and your bid date. We return a signed, itemized quote within three business days, usually sooner.

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START HERE

HOW TO USE THIS BOOK

Subcontract prices for ESC's self-performed scope, quoted to the general contractor or owner. Carry the typical number at bid time, then send drawings for a firm quote.

Current-scope edition. This edition covers ESC's current self-performed scope: soldier pile and lagging, braced pits, soil nails, anchors and dowels to about 20 ft, and drilled piers 18 to 42 in. to 20 ft. Deeper, larger or other work is quoted per job.

1 FIND THE ITEM

Items are grouped by system and keyed with a stable ID (for example SPL-PILE). Featured assemblies price the most common complete scopes in one number.

2 MEASURE THE WAY THE UNIT SAYS

SF is wall face area, top to tip; LF is drilled or installed length; VF is vertical foot of excavation; EA is each complete item. Measurement notes sit under each item.

3 ADD MOBILIZATION ONCE

Add one mobilization per rig per continuous visit. Local mobilization applies within 60 miles of the ESC yard in Millis, MA.

4 APPLY ADDERS ONLY WHERE THEY APPLY

Rock, limited access and night work are adders on the affected items, not the whole job.

5 CARRY THE TYPICAL PRICE

The typical price fits the usual New England job. The range covers ground, access and quantity. Small jobs are subject to the minimum charge.

6 CALL FOR A FIRM QUOTE

Send drawings and borings and ESC returns a firm, itemized quote within three business days.

MEASUREMENT TRAPS ON DOT BID FORMS

DRILLED SHAFTS: SPLIT ITEMS VS COMPLETE SHAFT

MassDOT and CTDOT pay excavation, rock socket, cage and concrete separately. NHDOT, RIDOT and MaineDOT pay a complete shaft per LF: add DS-SHAFT-SOIL + DS-CAGE per LF + DS-CONCRETE per LF.

SUPPORT OF EXCAVATION PER SF OF FACE

DOT support-of-excavation items pay per SF or SY of exposed face. Use SOE-FACE for those items, or build the price from SPL-PILE + SPL-LAGGING. 1 SY = 9 SF.

READING A LINE

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SN-NAIL	Soil nail, drilled & grouted ME 636.414 · CT 0712009	LF	\$130	\$110–170	\$26,500

ESC ID Quote it back to us: "carry ESC SN-NAIL at ...". The small line lists the matching DOT pay items by state.	TYPICAL The number to carry for a usual New England job at normal quantities.	RANGE Low end: open site, repetitive work, good ground, larger quantities. High end: tight access, obstructions, variable ground, small quantities.	MINIMUM The least ESC bills for that item on a job, so small quantities stay worth a mobilization.
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Mobilization is carried separately (p. 14). Excavation, spoils haul-off, dewatering beyond sump pumping, permits and design are by others unless an item says otherwise; see General Conditions (p. 30). † Budget figure. Depends strongly on ground and configuration; confirm with a firm quote.

UNITS USED IN THIS BOOK

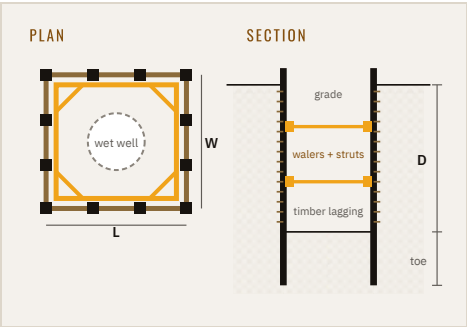
LF	linear foot	SF	square foot	EA	each
CY	cubic yard	LS	lump sum	DAY	8-10 hour working day
HR	hour	TON	short ton	LB	pound
%	percent of the affected base items				

FEATURED ASSEMBLY 01 · PRICED PER EA **BUDGET**

PUMP-STATION / WET-WELL SHORING BOX (SOLDIER PILE & LAGGING)

One number for the hole: drilled soldier piles, lagging, bracing and design, low vibration.

Drilled soldier piles with timber lagging and internal walers and struts, sized for the precast wet well, valve vault or pump-station structure you are setting. Low vibration beside roads, utilities and buildings. Works where groundwater is below subgrade or already drawn down by others.



PLAN SIZE (CLEAR INSIDE) / WET-WELL ID	EXCAVATION DEPTH →		
	10 FT	15 FT	20 FT
8 x 8 ft	\$110,000 \$11,021/VF	\$139,000 \$9,262/VF	\$165,000 \$8,238/VF
10 x 10 ft	\$115,500 \$11,545/VF	\$148,000 \$9,850/VF	\$175,000 \$8,762/VF
12 x 12 ft	\$120,500 \$12,069/VF	\$156,500 \$10,438/VF	\$185,500 \$9,286/VF
16 x 16 ft	\$154,000 \$15,397/VF	\$204,000 \$13,614/VF	\$246,500 \$12,314/VF
20 x 20 ft	\$164,500 \$16,445/VF	\$222,000 \$14,790/VF	\$267,000 \$13,362/VF
12 x 24 ft	\$162,000 \$16,209/VF	\$219,000 \$14,586/VF	\$262,500 \$13,126/VF
Ø8 ft wet well (13.5 ft square)	\$124,500 \$12,462/VF	\$163,000 \$10,879/VF	\$193,500 \$9,680/VF
Ø12 ft wet well (17.5 ft square)	\$158,000 \$15,790/VF	\$211,000 \$14,055/VF	\$254,000 \$12,708/VF

Price per box; small figure is the price per VF of depth. Budget figures, built from the unit prices in this book; confirm with a firm quote.

ADD-ONS & RELATED RATES	UNIT	PRICE
MOB-RETURN Return mobilization (extraction or phased work)	LS	\$20,750
SP-WALE-BRACE Walers, struts & corner bracing	LF	\$240
DW-SUMP Sump pumping within ESC excavation support (interface only)	DAY	\$535
ADD-ROCK Rock drilling adder over soil rate	LF	\$170
OBS-HOUR Obstruction removal, rig + crew	HR	\$1,200
ADD-STANDBY Standby / delay by others, rig + crew	HR	\$530

INCLUDED

- Drill rig mob/demob
- PE-stamped design
- Soldier piles furnished, drilled and set with flowable fill
- Timber lagging installed in lifts
- Walers, struts and corner braces
- Pile cut-off below grade at completion where piles stay

BY OTHERS

- Excavation and backfill (GC)
- Dewatering
- Lagging removal (left in place unless noted)
- Rock sockets and obstructions (adders)

WORKED EXAMPLE · 12 X 12 FT BOX, 20 FT DEEP, DRY

LINE	QTY	UNIT	UNIT PRICE	AMOUNT
MOB-DRILL-LOCAL Drill rig mobilization / demobilization, local (0-60 mi)	1	LS	\$33,750	\$33,750
ENG-SOE-DESIGN Delegated design & stamped submittal by licensed PE partner (SOE, braced pits, anchors, soil nails)	1	LS	\$9,900	\$9,900
SPL-PILE Drilled soldier pile (HP / W) in drilled hole, flowable fill or lean concrete	264	LF	\$300	\$79,200
SPL-LAGGING Timber lagging, install (and remove where required)	960	SF	\$41.50	\$39,840
SP-WALE-BRACE Walers, struts & corner bracing	96	LF	\$240	\$23,040

Example total (\$9,286 per VF of depth)

\$185,730
HOW THE TABLE IS BUILT

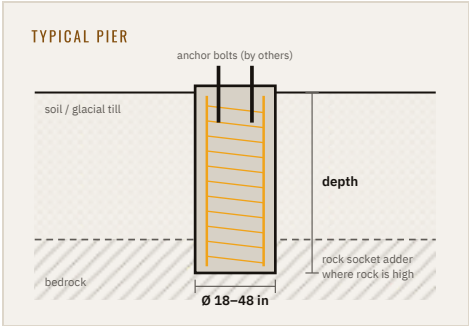
- Plan size is the clear inside dimension of the box. Pick the plan size and excavation depth; the price covers mobilization, stamped design, piles, lagging and bracing.
- Groundwater below subgrade or pre-drained by others; lagging is not a water cut-off.
- Soldier piles at 7 ft centers or closer, with a pile at every corner; toe = max(8 ft, 0.6·D) below subgrade in soil.
- Brace frames: first level about 3 to 4 ft below top, then 9 ft vertical spacing or less. Corner braces up to 20 ft sides; one cross strut per extra 20 ft.
- Piles in soil; rock at the ADD-ROCK / DS-SOCKET-ROCK rate as encountered.

FEATURED ASSEMBLY 02 · PRICED PER EA

CARPORT, BESS, SUBSTATION & POLE PIERS

A complete drilled pier, priced per pier by diameter and depth.

Drilled concrete piers for carport canopies, battery-storage pads, substation equipment, signs and light poles. Price per pier in soil covers drilling, the reinforcing cage and concrete; add one mobilization per site.



PIER DIAMETER	PIER DEPTH →					
	6 FT	8 FT	10 FT	12 FT	15 FT	20 FT
18 in	\$5,200	\$5,450	\$5,700	\$6,650	\$8,050	\$10,350
24 in	\$6,550	\$6,900	\$7,300	\$8,500	\$10,350	\$13,450
30 in	\$7,950	\$8,450	\$8,950	\$10,500	\$12,850	\$16,750
36 in	\$9,300	\$9,950	\$10,600	\$12,450	\$15,250	\$19,950
42 in	\$10,800	\$11,550	\$12,350	\$14,550	\$17,900	\$23,400

Price per pier (excl. mobilization).

ADD-ONS & RELATED RATES	UNIT	PRICE
MOB-DRILL-LOCAL Drill rig mobilization / demobilization, local (0-60 mi) ONCE PER SITE	LS	\$33,750
MOB-DRILL-REGIONAL Drill rig mobilization / demobilization, regional (60-150 mi)	LS	\$53,500
CP-DEPTH-ADJ Pier depth adjustment (added or credited embedment)	LF	\$925
DS-SOCKET-ROCK Rock socket, by diameter	LF	\$3,550
DS-CASING Casing (temporary extracted, or permanent left in place)	LF	\$190
OBS-HOUR Obstruction removal, rig + crew	HR	\$1,200
CP-ROD-SET Set anchor-rod assembly / template (furnished by others)	EA	\$580
GC-PROBE-DAY Pre-construction rock probe / top-of-rock mapping, crew-day	DAY	\$4,000

INCLUDED

- Layout from GC-provided control
- Drilling in soil to design depth
- Reinforcing cage furnished and set
- Concrete placed, form stick-up
- Anchor rod/template setting
- Spoils beside the hole

BY OTHERS

- Mobilization (per site, see add items)
- Anchor rods, templates, base plates, grout
- Rock sockets, casing, obstructions (adders)
- Off-site spoils disposal, contaminated soil
- Survey as-builts, special inspection, testing

WORKED EXAMPLE · 36 IN X 12 FT CARPORT PIER

LINE		QTY	UNIT	UNIT PRICE	AMOUNT
DS-SHAFT-SOIL	Drilled shaft / caisson excavation in soil, by diameter, 36 in. diameter	12	LF	\$620	\$7,440
DS-CAGE	Reinforcing cage, furnish & set (or set only), Furnish, fabricate and set	858	LB	\$3.05	\$2,617
DS-CONCRETE	Shaft concrete placement (tremie / pump), material by others or included, Furnish and place	3.6	CY	\$400	\$1,440
CP-ROD-SET	Set anchor-rod assembly / template (furnished by others)	1	EA	\$580	\$580
CP-ROD-SET	Set anchor-rod assembly / template (furnished by others), Above-grade stick-up form only	1	EA	\$385	\$385

Example total

\$12,462

HOW THE TABLE IS BUILT

- Dry, stable soil drillable with an auger; casing, rock and obstructions are adders.
- Cage weight ~66 lb/ft at 36 in (ESC's 2026 carport cages), scaled by diameter, over pier depth + 1 ft; the cage schedule on the drawings governs and is re-priced at quote.
- Anchor rods and setting templates furnished by others, set by ESC.
- Spoils placed beside the hole or at an on-site stockpile; off-site disposal on request.
- Per-site minimum: one mobilization plus the DS-SHAFT-SOIL minimum charge.

ALTERNATE

PIER ROCK-SOCKET ADD, PER PIER

The net add per pier when ledge is hit above design tip and the pier finishes in a rock socket: the socket rate less the soil drilling it replaces.

When ledge comes in above the design tip.

PIER DIAMETER	ROCK SOCKET LENGTH →				
	2 FT	4 FT	6 FT	8 FT	10 FT
24 in	\$4,250	\$8,500	\$12,700	\$16,950	\$21,200
30 in	\$5,050	\$10,100	\$15,100	\$20,150	\$25,200
36 in	\$5,850	\$11,700	\$17,600	\$23,450	\$29,300
42 in	\$6,650	\$13,350	\$20,000	\$26,700	\$33,350

Net add per pier. Budget figures, built from the unit prices in this book; confirm with a firm quote.

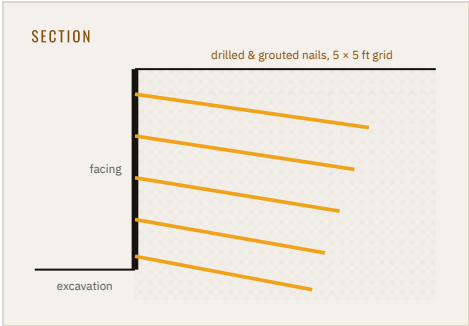
By others: Added cage length or concrete if the EOR deepens the pier (priced per CP-PIER).

FEATURED ASSEMBLY 03 · PRICED PER SF

SOIL-NAIL WALL

Top-down wall priced per square foot of face.

A top-down soil-nail wall for cuts, abutment excavations and building support: nails on a 5 x 5 ft grid, tested and faced with temporary shotcrete. Priced per SF of wall face by height and length.



WALL HEIGHT	WALL LENGTH →		
	50 LF	100 LF	200 LF
8 ft	\$262 \$104,610 total	\$190 \$151,615 total	\$154 \$245,625 total
10 ft	\$219 \$109,660 total	\$162 \$161,715 total	\$133 \$265,825 total
12 ft	\$215 \$129,010 total	\$167 \$199,920 total	\$142 \$340,935 total
15 ft	\$188 \$140,875 total	\$149 \$223,260 total	\$129 \$387,225 total
20 ft	\$187 \$187,195 total	\$156 \$312,105 total	\$140 \$561,925 total

Bold: price per SF of wall face. **Small:** wall total. Budget figures, built from the unit prices in this book; confirm with a firm quote.

ADD-ONS & RELATED RATES	UNIT	PRICE
SN-NAIL Soil nail, drilled & grouted	LF	\$130
SN-FACING Shotcrete facing (temporary), by ESC's shotcrete partner	SF	\$50.50
SN-TEST Soil nail verification / proof test	EA	\$3,100
ADD-ROCK Rock drilling adder over soil rate	LF	\$170

INCLUDED

- Rig/grout plant mob
- PE-stamped design
- Nails drilled, grouted, plated
- Verification and proof testing
- Temporary shotcrete facing with drainage

BY OTHERS

- Excavation in lifts and spoils (GC)
- Permanent CIP or architectural facing
- Dewatering
- Boulders and rock (adders)
- Monitoring

WORKED EXAMPLE · 15 FT WALL, 100 LF

LINE		QTY	UNIT	UNIT PRICE	AMOUNT
MOB-DRILL-LOCAL	Drill rig mobilization / demobilization, local (0-60 mi)	1	LS	\$33,750	\$33,750
ENG-SOE-DESIGN	Delegated design & stamped submittal by licensed PE partner (SOE, braced pits, anchors, soil nails), Soil nail wall	1	LS	\$14,250	\$14,250
SN-NAIL	Soil nail, drilled & grouted	693	LF	\$130	\$90,090
SN-FACING	Shotcrete facing (temporary), by ESC's shotcrete partner	1,500	SF	\$50.50	\$75,750
SN-TEST	Soil nail verification / proof test, Verification test	2	EA	\$3,100	\$6,200
SN-TEST	Soil nail verification / proof test, Proof test	4	EA	\$805	\$3,220
Example total (\$149 per SF of wall face)					\$223,260

HOW THE TABLE IS BUILT

- Nails on a uniform 5 ft x 5 ft grid, top row ~2.5 ft below top of wall.
 - Nail length ≈ 0.7·H (min 10 ft) in competent ground; ≈ 1.0·H in loose soil, heavy surcharge or bouldery till. Final pattern by ESC's PE design.
- GC excavates in 4-5 ft lifts to ESC's sequence; open lifts faced the same shift.
 - Groundwater below the face or controlled; seepage handled with drain strips.

FEATURED ASSEMBLY 04 · PRICED PER LS

EMERGENCY SHORING RESPONSE

Crew and equipment on site fast when ground moves.

For failing excavations, sinkholes, washouts and undermined structures: a crew with a compact spread or a full drill rig dispatched on call, then billed by the crew-day until the ground is stable.

DAYS ON SITE	EQUIPMENT →	
	COMPACT SPREAD	DRILL RIG
1 day	\$20,300	\$44,550
2 days	\$28,100	\$52,350
3 days	\$35,900	\$60,150
5 days	\$51,500	\$75,750
7 days	\$67,100	\$91,350
10 days	\$90,500	\$114,750

Response total = one call-out (mobilization and demobilization) + crew-days on site, first day included.

ADD-ONS & RELATED RATES		UNIT	PRICE
EM-CALLOUT	Emergency call-out and mobilization	LS	\$36,750
MOB-COMPACT	Compact / limited-access rig mobilization / demobilization	LS	\$12,500
EM-CREW-DAY	Emergency shoring response, crew + rig, per day	DAY	\$7,800
OBS-HOUR	Obstruction removal, rig + crew	HR	\$1,200
ENG-SOE-DESIGN	Delegated design & stamped submittal by licensed PE partner (SOE, braced pits, anchors, soil nails)	LS	\$9,900
ADD-NIGHT	Night / weekend / holiday work adder	%	17%

INCLUDED

- Competent person on site
- Crew and equipment
- Daily T&M tickets signed by the GC/owner

BY OTHERS

- Materials left in place (billed separately)
- Engineering unless requested
- Excavation, traffic control, utility repairs

HOW THE TABLE IS BUILT

- Call-out = MOB-COMPACT (compact spread) or EM-CALLOUT (drill rig, priority dispatch), round trip. Each day on site = EM-CREW-DAY.
- Within 60 mi of Millis MA; farther, add MOB-DRILL-REGIONAL less MOB-DRILL-LOCAL to the call-out.
- Crew-day = 10 hours on site, superintendent and crew, either spread. Materials at invoice cost plus 15 percent.
- ESC confirms the arrival window on the call.

COMPLETE SCOPES

MORE ASSEMBLIES

Further standard configurations built from the unit prices in this book.

PRICED PER LS

PRE-CONSTRUCTION GROUND-CHECK PROGRAMS

Bundled probe days, production-size test shafts and load tests that turn a boring-log guess into a known ground condition before the price is fixed.

PROGRAM	DISTANCE FROM MILLIS MA →	
	≤ 60 MI	60-150 MI
1 probe day	\$37,800	\$57,500
2 probe days	\$41,800	\$61,500
1 test shaft	\$47,500	\$67,200
1 probe day + 1 test shaft	\$51,500	\$71,200
1 probe day + 2 test shafts	\$65,200	\$85,000
1 load test	\$90,000	\$109,800
1 test shaft + 1 load test	\$103,800	\$123,500

Program total. Budget figures, built from the unit prices in this book; confirm with a firm quote.

Included: Rig mobilization; Crew and drilling; Field logs, photos and summary memo.

By others: Geotechnical interpretation or design recommendations; Lab testing; Surface restoration beyond backfill.

ALL ITEMS · CATALOG ORDER

UNIT PRICE SCHEDULE

Add mobilization once per spread per visit, then apply adders only to the items they affect.
The small line under each item lists its DOT pay items by state.

01 MOBILIZATION

One mobilization covers one continuous visit of one spread. Distances are measured from the ESC yard in Millis, MA. A return trip for a later phase is a separate, lower-priced return mobilization.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
MOB-DRILL-LOCAL	Drill rig mobilization / demobilization, local (0-60 mi) Move one drill spread (rig, tooling, grout or concrete support equipment, support truck and crew) from the Millis yard to a site within 60 road miles, set up, and remove it at the end of the visit. <i>When a DOT bid form has no separate mobilization line for this work, spread this LS over the unit-price items (see How to Use). Applies to both anchor drills and rotary shaft rigs.</i> <i>Round trip, drill rig (rotary or anchor), tooling and support loader, one continuous visit.</i> Minimum: 1 per spread per continuous visit NH 509.101 · RI 844 · ME 501.804, 501.8042, 636.425 · CT 0701099 · CSI 01 71 13	LS	\$33,750	\$23,750–49,250	
MOB-DRILL-REGIONAL	Drill rig mobilization / demobilization, regional (60-150 mi) As MOB-DRILL-LOCAL, for sites 60 to 150 road miles from Millis, MA (for example, NH Seacoast, Concord, Providence, Worcester, Hartford). <i>Beyond 150 miles: firm quote.</i> <i>Round trip incl. oversize permits and crew travel. Lodging for sites over 60 mi billed at cost plus 15%.</i> Minimum: 1 per spread per continuous visit NH 509.101 · RI 844 · ME 501.804, 501.8042, 636.425 · CT 0701099 · CSI 01 71 13	LS	\$53,500	\$37,500–77,500	
MOB-COMPACT	Compact / limited-access rig mobilization / demobilization Move a compact track drill (anchor or soil-nail rig) that works through doorways, under low headroom, inside basements or on narrow slopes. <i>The limited-access production penalty is priced separately as ADD-ACCESS.</i> <i>Compact track drill, grout plant and support equipment, within 60 mi.</i> Minimum: 1 per visit NH 509.101 · RI 844 · ME 501.804, 501.8042, 636.425 · CT 0701099 · CSI 01 71 13	LS	\$12,500	\$8,750–18,250	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
MOB-RETURN	Return mobilization (extraction or phased work) A second trip of the same spread to the same site, for example to install a later phase or to remove bracing. ESC leaves between phases so you do not pay for idle equipment. <i>Each additional trip requested by others, within 60 mi.</i> Minimum: 1 per return visit ME 659.11 · CSI 01 71 13	LS	\$20,750	\$14,750–30,500	

02 WALERS & BRACING

Steel walers, struts and corner braces for braced soldier-pile boxes and pits.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SP-WALE-BRACE	Walers, struts & corner bracing Furnish (rental), install and remove steel walers and internal bracing for soldier-pile boxes and pits, per level. Priced per linear foot of waler, with struts and corner braces per each. <i>W/HP 12-14 in class members incl. brackets and connections, installed and removed. About \$7,500/ton.</i> MA incid. · NH incid. · RI incid. · ME 536.21, incid. · CT incid. · CSI 31 53 00	LF	BY SIZE / TYPE, BELOW		\$15,250
SP-WALE	— Waler, per level · LF of waler · W/HP 12-14 in class members incl. brackets and connections, installed and removed. About \$7,500/ton.	LF	\$240	\$240–340	\$15,250
SP-STRUT	— Cross strut · EA, by span class to 20 ft / 20-35 ft · Pipe or HP strut with end seats, installed and removed. Spans 20-35 ft: about 1.9x.	EA	\$6,300	\$6,200–8,450	
SP-CORNER	— Corner brace · EA · Diagonal corner brace with seats, installed and removed.	EA	\$3,550	\$3,450–4,600	
SP-STRUT-35	— Cross strut, span 20-35 ft · Heavier section, installed and removed.	EA	\$12,750 †	\$12,500–17,500	

03 SOLDIER PILE & LAGGING

Drilled soldier piles with timber lagging: the low-vibration choice beside buildings, utilities and roadways.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SPL-PILE	Drilled soldier pile (HP / W) in drilled hole, flowable fill or lean concrete Drill the hole, furnish and set the steel soldier pile (HP or W section) to line and plumb, and backfill the embedment with lean concrete or flowable fill and the exposed length with flowable fill or sand. Priced per linear foot of pile. <i>For DOT per-SF or per-SY SOE items combine SPL-PILE + SPL-LAGGING over the retained face (see SOE-FACE).</i> <i>HP12-class steel furnished, 24 in hole, lean/flowable fill in embedment, spoils stockpiled on site. Per LF of pile.</i> MA 953.1, 953.3 · NH 503.2__ · RI 805 · ME 501.504, 501.8042 · CT 0716000, 0702799, 0702794 · CSI 31 50 00	LF	BY SIZE / TYPE, BELOW		\$22,000

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SPL-PILE-24	— 24 in. hole · HP10 / HP12 / W12 class · HP12-class steel furnished, 24 in hole, lean/flowable fill in embedment, spoils stockpiled on site. Per LF of pile.	LF	\$300	\$260–405	\$22,000
SPL-PILE-30	— 30 in. hole · HP14 / W14 class · HP14-class steel furnished, 30 in hole, lean/flowable fill in embedment, spoils stockpiled on site. Per LF of pile.	LF	\$375	\$325–500	\$27,500
SPL-PILE-36	— 36 in. hole · W18-W24 or double channel · W21-class steel furnished, 36 in hole, lean/flowable fill in embedment, spoils stockpiled on site. Per LF of pile.	LF	\$395 †	\$355–540	\$29,000
SPL-LAGGING	Timber lagging, install (and remove where required) Furnish and install 3 in. (nominal) hardwood lagging between soldier piles in lifts as the GC excavates, packing voids behind boards. Priced per square foot of lagged face. <i>3 in rough hardwood, installed in lifts as the GC excavates.</i> MA 953.1, 953.3 · NH 503.2__ · RI 805 · ME 501.504, 501.8042 · CT 0716000, 0702799, 0702794 · CSI 31 50 00	SF	BY SIZE / TYPE, BELOW		\$9,950
SPL-LAGGING-LIP	— Left in place · 3 in rough hardwood, installed in lifts as the GC excavates.	SF	\$41.50	\$32.50–56	\$9,950
SPL-LAGGING-REMOVE	— Install and remove · Removal as backfill is placed · Installed in lifts, removed as backfill is placed.	SF	\$44	\$36–59.50	\$7,000

04 PUMP-STATION BOXES & PITS

Complete shored excavations priced as one number: wet wells, pump stations and vaults. Built from the unit items in this book.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SOE-FACE	Temporary support of excavation, per SF of retained face (DOT basis) The complete temporary wall (soldier piles and lagging, with walers where needed) expressed per square foot of exposed retained face: the basis DOT bid forms use. Ready to drop into a per-SF or per-SY SOE item. <i>1 SY = 9 SF. For MassDOT 953.1 (paid to minimum embedment) divide this price by the ratio (height + embedment) / height before entering it.</i> <i>Measured on exposed face; embedment included. Mobilization and design by item.</i> Minimum: About 500 SF of face MA 953.3, 953.1 · NH 503.2__ · RI incid. · ME 504.95 · CT 0716000, 0714020 · CSI 31 50 00	SF	BY SIZE / TYPE, BELOW		
SOE-FACE-SPL	— Cantilever soldier pile & lagging · Retained height to about 12 ft · Cantilever soldier pile & lagging, to ~12 ft.	SF	\$64.50 †	\$64.50–87.50	
SOE-FACE-BRACED	— Braced system · Retained height 12 to 20 ft; internal bracing	SF	\$61.50 †	\$61.50–90.50	

05 UNDERPINNING

Conventional pit-and-pour underpinning of existing footings: hand-dug sequential pits filled with concrete and dry-packed to the footing.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
UP-PIT-POUR	Underpinning, pit-and-pour (hand-dug sequential pits, concrete) Underpin an existing footing in hand-excavated pits dug one at a time in the engineer's sequence (typically about 4 ft wide segments along the wall, not adjacent pits open together), carried to the design bearing depth, shored with timber as needed, filled with concrete and dry-packed tight to the underside of the footing. Priced per cubic yard of underpinning concrete. <i>Engineers usually detail pit-and-pour as sequential segments about 4 ft wide, carried down to the required bearing or code frost depth. Per-pit and per-LF variants are shown for estimating from a wall plan.</i> <i>Per CY of underpinning concrete placed, incl. hand excavation, pit shoring and dry-pack.</i> CSI 31 48 00, 31 48 13	CY	\$4,550 †	\$3,550–6,450	\$8,900
UP-PIT-POUR-EA	— Per pit · About 4 ft wide segment, to about 4 ft below the existing footing · About 4 ft wide pit to about 4 ft below the existing footing: hand dig, pit shoring, dowels, concrete, dry-pack.	EA	\$8,900 †	\$7,000–12,500	\$8,900
UP-PIT-POUR-LF	— Per LF of underpinned wall · For estimating from the wall plan · Per LF of underpinned wall at about 4 ft below the footing, for estimating from the wall plan.	LF	\$2,200 †	\$1,700–3,100	\$8,900

06 ROCK ANCHORS & DOWELS

Drilled and grouted rock anchors and untensioned rock dowels for walls, footings and foundations, to about 20 ft.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
RA-ANCHOR	Rock anchor, drilled, grouted, threadbar Drill through overburden (cased) and into rock, install a threadbar tendon with the specified corrosion protection, grout the bond zone, and stress and lock off after grout cure. Priced per linear foot of drilled anchor from collar to tip. <i>Wall, footing and foundation tie-downs belong here.</i> <i>1-3/8 in Gr150 bar typical, cased through overburden, DTH in rock, grouted. Per LF of anchor; testing by item.</i> ME 504.905, 504.9051, 532.10 · CT 0602953, 0506070 · CSI 31 68 13	LF	BY SIZE / TYPE, BELOW		\$15,250
RA-ANCHOR-BAR	— Threadbar anchor · To about 150 kip design load · 1-3/8 in Gr150 bar typical, cased through overburden, DTH in rock, grouted. Per LF of anchor; testing by item.	LF	\$200	\$145–290	\$15,250
RA-ANCHOR-DCP	— Double corrosion protection (encapsulated) upgrade · Permanent anchors · Permanent anchors, per LF of anchor, factory encapsulation.	LF	\$34	\$34–43	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
RA-DOWEL	Rock dowel / footing pin, drilled & grouted (untensioned) Drill into ledge, install a grouted reinforcing bar or threadbar dowel to pin a footing, wall or scour apron to rock. Priced each up to a base embedment, with a per-foot rate beyond. <i>Pinning footings, walls and slabs on grade to ledge is the main use.</i> <i>#8-#11 bar drilled and grouted into rock, untensioned.</i> RI 819 · ME 504.901 · CT 0602937 · CSI 31 33 13	EA	BY SIZE / TYPE, BELOW		\$23,500
RA-DOWEL-10	— Up to 10 ft embedment · #8-#11 bar · #8-#11 bar drilled and grouted into rock, untensioned.	EA	\$1,950	\$1,550–2,650	\$23,500
RA-DOWEL-LF	— Added embedment over base · Per LF · Per LF over 10 ft.	LF	\$195	\$155–270	
ANC-TEST-PERF	Anchor performance test Cyclic performance test of a production or sacrificial anchor to the specified test load (typically 1.33 to 1.5 times design), with creep readings and report. <i>Cyclic performance test per PTI incl. creep hold. Test engineer by others.</i> Minimum: One test ME 504.9067, 504.9069 · CT 0506071, 0506072 · CSI 31 51 00	EA	\$3,050	\$2,450–4,250	
ANC-TEST-CREEP	— Extended creep test · Extended creep test per PTI.	EA	\$3,800	\$3,750–5,350	
ANC-TEST-PROOF	Anchor proof test Proof test of an anchor to the specified test load with lift-off check and lock-off, where the specification pays proof tests separately. <i>Only where the bid form pays proof tests separately.</i> Minimum: One test CT 0506073 · CSI 31 51 00	EA	\$1,550	\$1,250–2,150	

07 SOIL NAILS

Drilled and grouted soil nails, top-down in lifts. Shotcrete facing is carried through ESC's shotcrete partner or by others.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SN-NAIL	Soil nail, drilled & grouted Drill the nail hole in each excavated lift, install the bar with centralizers, and grout full length (or install self-drilling hollow bar with grout flush). Priced per linear foot of nail. <i>32 mm hollow bar, full-length grout, plate, nut and washer. Per LF of nail.</i> ME 636.414 · CT 0712009 · CSI 31 32 36.16	LF	BY SIZE / TYPE, BELOW		\$26,500
SN-NAIL-SOLID	— Solid threadbar in drilled hole · #8-#10 / 25-32 mm · #8-#10 bar in a drilled and grouted hole, plate, nut and washer. Per LF of nail.	LF	\$120	\$100–175	\$20,500
SN-NAIL-HOLLOW	— Self-drilling hollow bar · Caving soils, cobbles · 32 mm hollow bar, full-length grout, plate, nut and washer. Per LF of nail.	LF	\$130	\$110–170	\$26,500

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SN-NAIL-EPOXY	— Epoxy-coated or encapsulated bar upgrade · Permanent walls · Per LF of nail, epoxy-coated bar. Encapsulated bar quoted on request.	LF	\$4.25	\$4.25–6.05	
SN-FACING	Shotcrete facing (temporary), by ESC's shotcrete partner Temporary construction facing: welded wire mesh, bearing plates, geocomposite drain strips and 4 in. (nominal) wet-mix shotcrete applied lift by lift behind the nailing. Placed by ESC's certified shotcrete partner. <i>Partner availability and prevailing-wage status confirmed per job.</i> <i>4 in wet-mix shotcrete with mesh and drain strips, placed by ESC's shotcrete partner.</i> ME 517.62 · CT 0712014 · CSI 31 32 33	SF	\$50.50	\$50.50–65	\$15,000
SN-TEST	Soil nail verification / proof test Load test of a sacrificial (verification) or production (proof) nail per the specification, with jack, dial gauge, reference beam and report. <i>Sacrificial test nail to the specified load. Test engineer by others.</i> Minimum: One test ME 636.42, 636.421 · CT incid. · CSI 31 32 36	EA	BY SIZE / TYPE, BELOW		
SN-TEST-VERIF	— Verification test · Sacrificial test nail to the specified load. Test engineer by others.	EA	\$3,100	\$3,100–4,200	
SN-TEST-PROOF	— Proof test · On a production nail.	EA	\$805	\$640–1,100	
SN-WALL	Soil nail wall, complete, per SF of face (assembly) Complete temporary soil-nail wall (nails on a standard pattern, temporary shotcrete facing, drainage, and testing) expressed per square foot of finished wall face. <i>Includes mobilization and PE design; excludes excavation, dewatering and rock.</i> Minimum: About 1,000 SF NH 503.2__ · ME 636.411, 636.400 · CT 0712009 · CSI 31 32 36	SF	SEE TABLE, P. 10		

08 DRILLED SHAFTS & CAISSONS

Rotary-drilled shafts in soil and rock, priced the way DOT bid forms split them: excavation per foot, rock socket per foot, casing, cage and concrete.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
DS-SHAFT-SOIL	Drilled shaft / caisson excavation in soil, by diameter Rotary-drill the shaft through soil and weathered material to top of rock or design tip, with temporary casing or slurry as needed to keep the hole open, and clean the base. Priced per linear foot of excavation, the way MassDOT and CTDOT split shaft items. <i>States that pay a complete shaft per foot (NH, RI, ME): use DS-SHAFT-COMplete. Concrete CY per LF is shown for each diameter.</i> <i>36 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.</i> MA 945.1xx · NH 509.201 · RI 845 · ME 501.77, 501.80, 626.4xx · CT 0701230-0701245 · CSI 31 63 29	LF	BY SIZE / TYPE, BELOW		\$22,250
DS-SHAFT-SOIL-18	— 18 in. diameter · 0.065 CY concrete per LF · 18 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.	LF	\$335	\$265–505	\$12,000
DS-SHAFT-SOIL-24	— 24 in. diameter · 0.116 CY concrete per LF · 24 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.	LF	\$430	\$350–665	\$15,500
DS-SHAFT-SOIL-30	— 30 in. diameter · 0.182 CY concrete per LF · 30 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.	LF	\$530	\$415–810	\$19,000
DS-SHAFT-SOIL-36	— 36 in. diameter · 0.262 CY concrete per LF · 36 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.	LF	\$620	\$495–1,000	\$22,250
DS-SHAFT-SOIL-42	— 42 in. diameter · 0.356 CY concrete per LF · 42 in, spoils stockpiled on site, bottom cleanout. Casing, cage, concrete by item. 10 LF minimum per shaft.	LF	\$715	\$575–1,200	\$25,750
DS-SOCKET-ROCK	Rock socket, by diameter Advance the shaft into bedrock with rock auger, core barrel or down-the-hole hammer to design socket length, and clean the socket. Priced per linear foot of socket, measured from top of competent rock. <i>Sockets are usually 6 in. smaller than the soil shaft. Carry a contingent quantity wherever borings show rock within the design depth.</i> <i>36 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.</i> Minimum: Per foot as encountered MA 945.2xx · NH 509.401 · RI 845 · ME 501.802, 501.831 · CT 0701260-0701275 · CSI 31 63 19.13	LF	BY SIZE / TYPE, BELOW		
DS-SOCKET-ROCK-18	— 18 in. diameter · 0.065 CY concrete per LF · 18 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.	LF	\$2,000 †	\$1,100–3,000	
DS-SOCKET-ROCK-24	— 24 in. diameter · 0.116 CY concrete per LF · 24 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.	LF	\$2,550 †	\$1,350–3,900	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
DS-SOCKET-ROCK-30	— 30 in. diameter · 0.182 CY concrete per LF · 30 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.	LF	\$3,050	\$1,550–4,500	
DS-SOCKET-ROCK-36	— 36 in. diameter · 0.262 CY concrete per LF · 36 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.	LF	\$3,550	\$1,750–5,350	
DS-SOCKET-ROCK-42	— 42 in. diameter · 0.356 CY concrete per LF · 42 in socket by rock auger or core barrel. Low: weathered/fractured rock. High: hard granite or gneiss.	LF	\$4,050 †	\$2,000–6,100	
DS-CASING	Casing (temporary extracted, or permanent left in place) Steel casing for shaft stability through water-bearing or caving soils: temporary casing installed and extracted during concrete placement, or permanent casing furnished and left in place. <i>DOT forms pay casing per LF; carport work often per pier (EA). 36 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.</i> MA 945.6xx · NH incid. · RI incid. · ME 501.72/501.721, 501.821 · CT 0701330-0701345 · CSI 31 63 29.16	LF	BY SIZE / TYPE, BELOW		\$1,900
DS-CASING-TEMP	— Temporary, extracted · By diameter · 36 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.	LF	\$190	\$135–300	\$1,900
DS-CASING-24	— Temporary casing, 24 in · 24 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.	LF	\$180	\$130–300	\$1,800
DS-CASING-30	— Temporary casing, 30 in · 30 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.	LF	\$185	\$130–295	\$1,850
DS-CASING-36	— Temporary casing, 36 in · 36 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.	LF	\$190	\$135–300	\$1,900
DS-CASING-42	— Temporary casing, 42 in · 42 in temporary steel casing set and extracted, incl. two-stage pour. Per LF of casing.	LF	\$190	\$135–300	\$1,900
DS-CAGE	Reinforcing cage, furnish & set (or set only) Furnish, fabricate, deliver and set the reinforcing cage with spacers and centralizers; or set an owner-furnished cage. <i>Cage procurement lead time is typically about 30 days from approved shop drawings.</i> <i>Shop-fabricated cage delivered with spacers, set in the shaft. Per LB of cage steel.</i> Minimum: One cage NH 509.6201 · CSI 31 63 29	LB	BY SIZE / TYPE, BELOW		
DS-CAGE-FURNISH	— Furnish, fabricate and set · Per LB · Shop-fabricated cage delivered with spacers, set in the shaft. Per LB of cage steel.	LB	\$3.05	\$3.05–3.25	
DS-CAGE-SET	— Set owner-furnished cage · Per EA · Cages up to 40 ft delivered to the shaft by others.	EA	\$960	\$750–1,250	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
DS-CONCRETE	Shaft concrete placement (tremie / pump), material by others or included Place shaft concrete by tremie or pump, bottom up, full length, in the wet or dry. Either place only (ready-mix purchased by the GC) or furnish and place. <i>CY per LF: 18 in. 0.065, 24 in. 0.116, 30 in. 0.182, 36 in. 0.262, 42 in. 0.356, 48 in. 0.465 (theoretical, before overbreak).</i> <i>5,000 psi ready-mix furnished and placed by chute or tremie.</i> <i>Pump truck, if needed, at cost.</i> ME 502.24 · CSI 31 63 29	CY	BY SIZE / TYPE, BELOW		\$1,600
DS-CONCRETE-PLACE	— Place only (material by others) · Chute or tremie placement of concrete furnished by others.	CY	\$150	\$150	\$600
DS-CONCRETE-FURNISH	— Furnish and place · 5,000 psi ready-mix furnished and placed by chute or tremie. Pump truck, if needed, at cost.	CY	\$400	\$395–440	\$1,600
DS-CSL-TUBE	Crosshole sonic logging (CSL) access tubes Furnish and tie steel or PVC access tubes to the cage, cap and water-fill them, and grout them after testing. <i>2 in steel tubes with caps, tied to the cage. Testing by others.</i> Minimum: One shaft MA 945.71, 945.72 · NH 509.51 · ME 501.86 · CT 0701192 · CSI 31 63 29	LF	\$14.50	\$14.50–18	
DS-SHAFT-COMPLETE	Complete drilled shaft in soil (excavation, cage & concrete), by diameter A finished drilled shaft in soil priced per linear foot: drilling, reinforcing cage furnished and set, and concrete furnished and placed full length. This is the pay basis on NHDOT, RIDOT and MaineDOT bid forms, and a roll-up of DS-SHAFT-SOIL + DS-CAGE + DS-CONCRETE at typical reinforcing. <i>Use this line on bid forms that pay one price per foot of finished shaft. Where the form splits excavation and shaft (MassDOT, CTDOT), use DS-SHAFT-SOIL, DS-CAGE and DS-CONCRETE instead. Heavier cages adjust through DS-CAGE per LB.</i> <i>36 in: 0.262 CY/LF neat concrete, ~66 lb/LF cage.</i> Minimum: One rig-day of drilling NH 509.201 · RI 845 · ME 501.77, 501.80, 626.411-626.46 · CSI 31 63 29	LF	BY SIZE / TYPE, BELOW		
DS-SHAFT-COMPLETE-18	— 18 in. diameter · 0.065 CY concrete per LF · 18 in: 0.065 CY/LF neat concrete, ~18 lb/LF cage.	LF	\$205	\$170–270	
DS-SHAFT-COMPLETE-24	— 24 in. diameter · 0.116 CY concrete per LF · 24 in: 0.116 CY/LF neat concrete, ~35 lb/LF cage.	LF	\$280	\$245–360	
DS-SHAFT-COMPLETE-30	— 30 in. diameter · 0.182 CY concrete per LF · 30 in: 0.182 CY/LF neat concrete, ~45 lb/LF cage.	LF	\$360	\$310–455	
DS-SHAFT-COMPLETE-36	— 36 in. diameter · 0.262 CY concrete per LF · 36 in: 0.262 CY/LF neat concrete, ~66 lb/LF cage.	LF	\$445	\$410–560	
DS-SHAFT-COMPLETE-42	— 42 in. diameter · 0.356 CY concrete per LF · 42 in: 0.356 CY/LF neat concrete, ~85 lb/LF cage.	LF	\$530	\$515–655	

09 CARPORT, BESS & POLE FOUNDATIONS

Complete drilled piers for carport canopies, battery storage, substations and light, sign and sports-lighting poles, priced per pier.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
CP-PIER	Carport / BESS / substation / pole pier, complete, by diameter x depth (assembly) A complete drilled concrete pier: drill to depth in soil, set the reinforcing cage, set the owner-furnished anchor-rod template, and place concrete to top of pier. Priced per pier for standard diameter and depth combinations. <i>Priced per pier with a per-foot rate card: added or credited embedment, rock socket, obstruction hour and casing per pier.</i> <i>Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.</i> Minimum: About 8 piers per mobilization ME 626.411 · CSI 31 63 29.13	EA		SEE TABLE, P. 7	
CP-PIER-24x10	— 24 in. x 10 ft · Light/sign pole class · Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.	EA	\$7,000	\$5,800–9,950	
CP-PIER-30x12	— 30 in. x 12 ft · Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.	EA	\$10,000	\$8,200–14,250	
CP-PIER-36x12	— 36 in. x 12 ft · Carport canopy class · Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.	EA	\$12,500	\$10,250–17,750	
CP-PIER-42x14	— 42 in. x 14 ft · Heavy canopy / BESS · Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.	EA	\$17,000	\$14,250–24,750	
CP-PIER-36x10	— Pier, 36 in x 10 ft, complete · Drill, cage, 5,000 psi concrete, set anchor rods (furnished by others), stick-up form. Mob, casing, rock by item.	EA	\$10,500	\$8,750–15,000	
CP-DEPTH-ADJ	Pier depth adjustment (added or credited embedment) Adjusts CP-PIER for the actual drilled depth in soil: an add per foot deeper than the standard depth and a credit per foot shallower. <i>Per LF deeper than shown: drilling, cage and concrete. Other diameters pro rata by area.</i> Minimum: Per foot CSI 31 63 29	LF		BY SIZE / TYPE, BELOW	
CP-DEPTH-ADD	— Added embedment · Per LF · Per LF deeper than shown: drilling, cage and concrete. Other diameters pro rata by area.	LF	\$925	\$770–1,350	
CP-DEPTH-CREDIT	— Credited embedment · Per LF · Per LF shallower than shown, deducted.	LF	\$610	\$510–875	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
CP-ROD-SET	Set anchor-rod assembly / template (furnished by others) Set, level and hold the owner-furnished anchor-rod cage and template to the specified projection and orientation during the pour, including stick-up form above grade. <i>Set, plumb and level the rod cluster on the template; rods and templates furnished by others.</i> Minimum: Per pier CSI 31 63 29, 03 15 19	EA	\$580	\$445–855	
CP-STICKUP	— Above-grade stick-up form only · Sonotube form to the specified stick-up, set and stripped.	EA	\$385	\$300–590	

10 GROUND CHECKS & TESTING

Pre-construction probes, test shafts and load tests that turn a ground-risk contingency into a known number.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
GC-PROBE-DAY	Pre-construction rock probe / top-of-rock mapping, crew-day Probe holes drilled with ESC's rig at pier, shaft or wall locations to map top of rock and boulder zones before the production price is fixed. Logged by ESC; interpretation by the project geotechnical engineer. <i>Recommended wherever borings are more than about 50 ft from the work or show rock within the design depth. It is the cheapest way to take the rock contingency out of a bid.</i> <i>Compact drill and 2-person crew, probe log provided.</i> <i>Mobilization by item.</i> RI 919 · ME 501.83 · CT 0701191 · CSI 02 32 13	DAY	\$4,000	\$3,950–4,150	\$4,000
GC-TEST-SHAFT	Test / trial shaft (production size, logged) A production-diameter shaft drilled before the production work to demonstrate means and methods and confirm ground conditions; backfilled or incorporated as directed. <i>Up to 36 in x 20 ft, logged, backfilled with spoils. Casing, rock and concrete by item.</i> Minimum: One shaft MA 945.4xx · CT 0701301-0701305 · CSI 31 63 13	EA	\$13,750	\$12,000–19,750	
GC-LOAD-TEST	Pile / anchor load test program Static axial (compression, tension) or lateral load test on a pile, shaft or anchor, with reaction system, instrumentation and report by a licensed testing engineer. <i>One test with reaction system and instrumentation; independent test engineer included.</i> Minimum: One test MA 945.82, 945.81, 948.1/948.2/948.3 · NH 510.2_ · RI 804 · ME 501.230, 501.232, 501.2342 · CT 0702801 · CSI 31 08 13.16	EA	BY SIZE / TYPE, BELOW		
GC-LOAD-TEST-COMP	— Axial compression · One test with reaction system and instrumentation; independent test engineer included.	EA	\$56,250 †	\$56,250–90,000	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
GC-LOAD-TEST-TENS	— Axial tension / uplift · Carport and tower uplift checks · Uplift test reacting on cribbing or adjacent piers; test engineer included.	EA	\$33,000 †	\$33,000–53,000	
GC-LOAD-TEST-LAT	— Lateral · Lateral push between two elements; test engineer included.	EA	\$28,000 †	\$26,250–44,500	

11 OBSTRUCTIONS

Boulders, buried foundations, timber and debris that stop normal tooling. Paid only when encountered, by the hour or by the foot.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
OBS-HOUR	Obstruction removal, rig + crew Time spent with the rig and crew coring, breaking, pulling or drilling through an obstruction (boulder, buried foundation, timber, debris) once the obstruction condition is met. <i>Obstruction condition (adapted from RIDOT 845.04): advance with normal tooling drops below 10 percent of the average rate in that stratum, or below 0.5 ft per hour. It ends when advance returns above 20 percent of the average.</i> <i>Boulders, buried debris, refusal, or drilling below normal production. Per rig-hour.</i> RI 845 · ME 501.807 · CT 0701190 · CSI 31 63 29	HR	\$1,200	\$1,150–1,250	\$1,200
OBS-LF	Obstruction drilling, per LF by diameter Per-foot price for drilling through an obstruction in a shaft or pier, for bid forms that pay obstructions by the foot. <i>Boulders or buried debris cored or broken out within a 36 in shaft, per LF as encountered.</i> Minimum: Per foot as encountered MA 945.3xx · NH 509.301 · RI 845 · ME 501.807 · CT 0701190 · CSI 31 63 29	LF	BY SIZE / TYPE, BELOW		
OBS-LF-18	— 18 in. diameter · Boulders or buried debris cored or broken out within an 18 in shaft, per LF as encountered.	LF	\$675 †	\$375–1,000	
OBS-LF-24	— 24 in. diameter · Boulders or buried debris cored or broken out within a 24 in shaft, per LF as encountered.	LF	\$890 †	\$475–1,350	
OBS-LF-30	— 30 in. diameter · Boulders or buried debris cored or broken out within a 30 in shaft, per LF as encountered.	LF	\$1,100 †	\$565–1,650	
OBS-LF-36	— 36 in. diameter · Boulders or buried debris cored or broken out within a 36 in shaft, per LF as encountered.	LF	\$1,350 †	\$665–2,000	
OBS-LF-42	— 42 in. diameter · Boulders or buried debris cored or broken out within a 42 in shaft, per LF as encountered.	LF	\$1,550 †	\$760–2,350	

12 DEWATERING (INTERFACE)

Sump pumping inside ESC's own excavation support. Wellpoints, deep wells and water treatment are by others.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
DW-SUMP	Sump pumping within ESC excavation support (interface only) Trash or submersible pump, hose and fuel to keep ESC's own box, pit or excavation workable during ESC's work, discharging to the GC's treatment or settling system. <i>Pumps, hose and daily checks inside ESC's support. Treatment and permits by others.</i> NH 503.1__ · RI 208 · ME incid. · CT incid. · CSI 31 23 19	DAY	\$535	\$510–855	\$2,700

13 SPOILS

ESC places drill spoils in an on-site stockpile. Off-site haul and disposal of clean material is an allowance line.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
SPOIL-HAUL	Off-site haul & disposal of clean drill spoils (allowance) Load, haul and dispose of clean, non-hazardous drill spoils at a licensed receiving site, billed against tickets. <i>If soils prove contaminated, ESC stops that work; handling and disposal are by others.</i> <i>Load, haul and tip clean fill. Impacted soil excluded.</i> Minimum: One truckload CSI 31 23 16, 02 41 00	TON	\$71.50	\$71.50–100	

14 ENGINEERING (DESIGN-BUILD OPTION)

Delegated design of the temporary or permanent system by ESC's licensed PE partner, stamped for the state of the work.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
ENG-SOE-DESIGN	Delegated design & stamped submittal by licensed PE partner (SOE, braced pits, anchors, soil nails) Design calculations and stamped working drawings for the temporary or permanent system (SOE, braced pits, anchors, soil nails) by ESC's licensed Professional Engineer partner, registered in the state of the work, including one round of review comments. <i>Required wherever the specification calls for contractor-designed, PE-stamped excavation support (most MA pump-station and pit specs). The GC may carry it inside the SOE item on the bid form.</i> <i>One system (box, pit or wall) by ESC's licensed PE partner, incl. submittal.</i> Minimum: One system MA incid. · NH incid. · RI incid. · ME 636.400, incid. · CT incid. · CSI 31 50 00	LS	\$9,900 †	\$9,500–15,750	
ENG-DESIGN-ANCHOR	— Anchors · Anchor design and stamped submittal by ESC's PE partner.	LS	\$8,250 †	\$7,950–13,250	

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
ENG-DESIGN-SN	— Soil nail wall · Soil nail wall design and stamped submittal by ESC's PE partner.	LS	\$14,250 †	\$13,750–22,750	

15 EMERGENCY RESPONSE

Crews and rigs for failed excavations, washouts and sinkholes. Call-out plus day rates.

ESC ID	ITEM	UNIT	TYPICAL	RANGE	MINIMUM
EM-CALLOUT	Emergency call-out and mobilization Priority response to a failed excavation, washout, sinkhole or undermined structure: crew and drill rig dispatched from Millis, typically on site within 24 to 48 hours depending on distance and equipment. One lump sum covers mobilization and demobilization for one continuous response; time on site is billed by the crew-day (EM-CREW-DAY). <i>Priority dispatch of crew and drill rig, typically on site within 24-48 hours, within 60 mi. Round trip (mobilization and demobilization) for one continuous response; crew-days by EM-CREW-DAY.</i> Minimum: One call-out CSI 01 71 13, 31 50 00	LS	\$36,750	\$26,000–53,500	
EM-CREW-DAY	Emergency shoring response, crew + rig, per day Drill rig or compact spread with superintendent and crew for emergency soldier piles, anchors, bracing or probe holes, T&M by the day. One day rate for either spread. <i>10-hour day, crew and rig (drill rig or compact spread). Materials at cost plus 15%.</i> CSI 31 50 00	DAY	\$7,800	\$7,600–8,050	\$7,800

† Budget figure. Depends strongly on ground and configuration; confirm with a firm quote.

CONDITIONS YOU CAN SEE IN THE BORINGS

ADDERS & GROUND RISK

Carry the ground risk at a stated rate instead of a blind contingency. Adders apply to the base price of the affected items only, and only when the condition occurs.

ESC ID	ADDER	UNIT	TYPICAL	RANGE
ADD-ROCK	Rock drilling adder over soil rate Added per-foot price when a soldier pile, anchor, nail or probe hole must be advanced in rock. Measured from top of competent rock on the ESC drilling log. <i>Competent rock = material that will not advance with ESC's soil tooling and requires coring, rock auger or down-the-hole hammer, as confirmed in the field log.</i>	LF		BY TYPE, BELOW
ADD-ROCK-SMALL	— Holes up to 12 in. diameter	LF	\$170	\$100–265
ADD-ROCK-LARGE	— Holes 18-36 in. diameter	LF	\$2,100	\$995–3,150
ADD-ROCK-12	— Rock socket 10-14 in by DTH (pipe / soldier piles)	LF	\$495	\$315–785
ADD-ACCESS	Limited-access / low-headroom adder Percentage added to the base unit prices of work performed inside buildings, under headroom below about 15 ft, from a working bench narrower than the rig footprint, or where equipment must be hand-carried or crane-placed.	%	19%	10–38%
ADD-NIGHT	Night / weekend / holiday work adder Percentage added to base unit prices for work the GC or owner requires outside 7:00 am to 3:30 pm Monday to Friday, covering premium labor time and reduced production.	%		BY TYPE, BELOW
ADD-NIGHT-NIGHT	— Night shift	%	17%	13–28%
ADD-NIGHT-WEEKEND	— Saturday	%	13%	9–16%
ADD-NIGHT-HOLIDAY	— Sunday / holiday	%	24%	18–28%
ADD-STANDBY	Standby / delay by others, rig + crew Hourly rate while ESC's crew and equipment are on site and ready but cannot work because of conditions outside ESC's control (access blocked, inspector not present, GC excavation not ready, utility conflict).	HR	\$530	\$455–670
ADD-WINTER	Cold-weather measures adder Heated grout water, insulated blankets, enclosures and heaters for grout, shotcrete and concrete placement when temperatures require it (typically December 1 to March 15).	%	7% †	4–12%

EXTRA WORK, STANDBY & EMERGENCIES

TIME & MATERIALS RATES

Labor and equipment rates for extra work, standby and emergency work. Labor is on a prevailing-wage basis.

ESC ID	LABOR	UNIT	RATE
TM-LABOR-SUPT	Superintendent / competent person	HR	\$175
TM-LABOR-FOREMAN	Foreman	HR	\$165
TM-LABOR-OPER	Equipment operator / driller	HR	\$155
TM-LABOR-LABORER	Laborer / driller helper	HR	\$135

ESC ID	EQUIPMENT	UNIT	RATE
TM-EQUIP-ANCHORDRILL	Anchor drill rig	HR	\$200
TM-EQUIP-ROTARYRIG	Rotary drilled-shaft rig	HR	\$255
TM-EQUIP-EXCAVATOR	Hydraulic excavator (about 36-ton class)	HR	\$99
TM-EQUIP-GROUTPLANT	Grout plant (colloidal mixer + pump)	HR	\$22.50
TM-EQUIP-COMPRESSOR	Air compressor (drilling class)	HR	\$115
TM-EQUIP-JACK	Stressing jack, pump and gauges	DAY	\$315
TM-EQUIP-PUMP	Trash / submersible pump	DAY	\$180
TM-EQUIP-TRUCK	Support truck / pickup	DAY	\$230

Materials, rentals and outside services on T&M are billed at invoice cost plus 15 percent (General Conditions §7). Four-hour minimum per call-out.

APPLIES TO EVERY PRICE IN THIS BOOK

GENERAL CONDITIONS

These conditions apply to every price in this book and to any quote that refers to it. Where a project quote from ESC says something different, the project quote governs.

1. WHAT THESE PRICES ARE

- **Sub-scope prices to the general contractor or owner.** Earth Support Corp. (ESC) is a specialty earth-support subcontractor. Each price covers ESC's installed scope only. It is not a prime bid.
- **Scope of this edition.** Drilled soldier piles and timber lagging; braced pits and shored boxes; soil nails; rock anchors and rock dowels to about 20 ft; pit-and-pour underpinning; drilled piers 18 to 42 in. diameter to 20 ft, including carport, BESS and substation piers; ground checks (rock probes, test shafts, load tests); emergency shoring response; and T&M work. Work outside this list is quoted per job.
- **Budget-firm, with the ESC 3-Day Quote.** Use them to carry our work in your bid without waiting for us. Once you send the drawings, borings and bid form, we confirm the quantities and conditions in a firm quote within 3 business days. We hold the book price for that confirmation unless the conditions fall outside the price basis in Section 3.
- **Unit prices are the change-order basis.** Added or deleted quantities of the same work under the same conditions are paid at the book unit price. If the final quantity of an item moves more than 25 percent above or below the quoted quantity, either party may ask to re-price that item. This matches the "significant change" standard on federal-aid work.
- **Valid for 90 days** from the issue date printed on the cover. Each price change raises the revision number.

2. WHAT EVERY PRICE INCLUDES

- ESC's supervision, crew and equipment for the item, working 7:00 am to 3:30 pm, Monday to Friday.
- **Mobilization is a separate line.** One mobilization covers one continuous visit of one spread. When a bid form has no mobilization line for our work, spread our mobilization over our unit items (see Section 8).
- Standard tooling, consumables, fuel and small tools.
- **Quality records.** Drilling and installation logs for every element, grout and concrete delivery tickets, stressing and test records, and daily reports.
- **Safety program.** A site-specific activity hazard analysis, a designated competent person on site, and the ESC Safety and Health Program. Excavation work follows OSHA 29 CFR 1926 Subpart P. Drilling follows the OSHA silica standard (29 CFR 1926.1153).
- Dig Safe notification for ESC's own drilling locations.

- Prevailing-wage labor with weekly certified payroll where the work requires it (Section 5).
- Massachusetts sales and use tax on materials ESC buys. Tax-exempt owners provide the exemption certificate (Form ST-5C for contractors in Massachusetts).

3. PRICE BASIS: THE CONDITIONS BEHIND EVERY NUMBER

Book prices assume:

- The ground is as shown in the project borings: soil that ESC's standard tooling can advance, with no rock, boulders or obstructions within the design depth unless an item says otherwise.
- A stable, level working platform and access for the drill rig and delivery trucks within reach of the work. This includes lay-down space and overhead clearance from power lines.
- Layout from the GC's control lines and offsets.
- Dry holes, or groundwater that ESC's own sump pumping can handle.
- Clean, non-hazardous soils.
- Continuous work once ESC mobilizes, at normal production.

When a condition changes, the matching adder or unit item in this book applies. When a condition is outside anything in this book, we quote it.

Definitions we measure by

- **Rock.** Material that ESC's soil tooling will not advance, which needs coring, rock auger or down-the-hole hammer tooling. It is measured from the top of rock on the ESC drilling log for each element and agreed with the GC's representative each shift.
- **Obstruction.** A buried object that drops our rate of advance below 10 percent of the average rate in that stratum, or below 0.5 ft per hour. The obstruction ends when the advance returns above 20 percent of the average. This follows the RIDOT drilled-shaft definition. Obstruction time is logged and countersigned each shift.
- **Differing site conditions.** Conditions that differ materially from the contract documents or the borings are paid at the book unit prices and adders. If those do not fit, they are paid at T&M rates.

4. STANDARD EXCLUSIONS

Unless an item or quote includes them, the following are by others:

- Permits, licenses and fees for the project, including street-opening, conservation, wetland and discharge (NPDES / RGP) permits.

- Survey, layout, as-built survey, and pre- and post-construction condition surveys.
- Utility location beyond Dig Safe. This includes private utilities, test pits to expose utilities, and relocation or support of utilities.
- Excavation, backfill and compaction, except the drilling spoils from ESC's own holes. Mass excavation inside a braced pit or soldier-pile wall is by the GC, in lifts coordinated with our lagging and bracing.
- Off-site haul and disposal of spoils, which is carried as an allowance line when needed.
- Any handling, testing or disposal of contaminated or regulated soil or groundwater. If we find such material, ESC stops that work until the owner directs how to proceed.
- Dewatering beyond sump pumping inside ESC's own excavation support. Wellpoints, deep wells, water treatment, frac tanks and discharge sampling are by others.
- Design and PE stamp, unless the design-build option (Section 9) is carried.
- Independent testing and inspection. This covers the testing lab, concrete cylinders, CSL testing by an agency, and special inspections.
- Vibration, noise and movement monitoring, and instrumentation.
- Payment and performance bonds. These are available, with the surety's premium added at cost.
- Winter protection (heat, blankets, enclosures), unless the cold-weather adder is carried.
- Obstructions and rock beyond what an item states. These are paid at the obstruction and rock rates in this book.
- Cranes, hoisting and access equipment for work not done by ESC's own equipment.
- Traffic control, police details, flaggers, and railroad flagging and protective insurance.
- Removal of existing structures, pavement and foundations above or in the work zone.
- Concrete pile caps, footings, structures, connections and anchor rods, unless listed.
- Site restoration beyond ESC's own work area.
- Liquidated damages beyond ESC's subcontract value and ESC-caused delay.

5. LABOR AND PREVAILING WAGE

- **Massachusetts.** Public work is paid at the prevailing wage (M.G.L. c.149, §§26–27H), with weekly certified payroll.
- **Rhode Island.** Public work follows R.I. Gen. Laws §37-13.
- **Connecticut.** Public work follows C.G.S. §31-53.
- **Maine.** State-funded work over the statutory threshold follows 26 M.R.S. §§1304–1315.
- **New Hampshire.** There is no state prevailing-wage law. Davis-Bacon rates apply on federal-aid work.
- **Federal-aid work anywhere** is paid at Davis-Bacon rates.
- Private work is priced on the same schedule unless a quote says otherwise.

6. ADDERS (APPLY ONLY TO THE AFFECTED ITEMS, ONLY WHEN THE CONDITION OCCURS)

CONDITION	HOW IT IS PRICED	BOOK ITEM
Rock in soldier piles, anchors, nails, dowels	Added \$/LF over the soil rate	ADD-ROCK
Rock in drilled shafts and piers	Rock socket \$/LF by diameter	DS-SOCKET-ROCK
Obstructions	Rig and crew per hour, or \$/LF on drilled shafts	OBS-HOUR, OBS-LF
Limited access or low headroom	% on affected items, plus compact-rig mobilization	ADD-ACCESS, MOB-COMPACT
Night, Saturday, Sunday or holiday work required by others	% on affected items	ADD-NIGHT
Standby or delay caused by others	Rig and crew per hour after the first 30 minutes in a shift	ADD-STANDBY
Cold-weather measures	% on affected items	ADD-WINTER
Return trip for a later phase or to remove bracing	Lump sum per return	MOB-RETURN

We do not charge for weather days. The schedule extends by the days lost.

7. MINIMUMS, ESCALATION, PAYMENT AND CHANGES

- **Minimum charges.** Each item has a minimum shown on the price schedule. A job below the minimum is billed at the minimum. T&M call-outs carry a 4-hour minimum.
- **Escalation.**
 - Prices are held for 90 days.
 - Steel is escalation-sensitive: H-piles, walers, casing, bar and rebar. If the supplier's price for material in a quoted scope rises more than 5 percent between the quote date and the purchase order, the material portion adjusts at documented cost. Price decreases pass through the same way.
 - If the owner's contract carries a steel or fuel price-adjustment clause, as MassDOT contracts do, ESC's share of that adjustment passes through to ESC.
- **Payment terms.**
 - Mobilization is invoiced when ESC arrives on site.
 - Work is billed monthly, or when each element is complete and inspected on short jobs.
 - Payment is due net 30.
- **Retainage.** We accept retainage at the rate the prime contract holds on our work, typically 5 to 10 percent. We ask that it be released when ESC's scope is complete and accepted, not at project closeout.

- **T&M work.**
 - Labor and equipment are billed at the T&M rates in this book.
 - Materials, rentals and outside services are billed at invoice cost plus 15 percent.
 - T&M tickets are signed daily by the GC's representative.
- **Changes.**
 - Changes in quantity are paid at book unit prices, within the 25 percent band in Section 1.
 - Changes in conditions are paid at the adders.
 - Anything else is quoted before the work, or done on T&M when there is no time to quote.
- **Insurance.** Certificates of insurance are issued on request, naming additional insureds as the subcontract requires.

8. HOW TO USE THIS BOOK (FOR ESTIMATORS)

1. **Find the item on your bid form.** Items are grouped by system and keyed with a stable ESC ID. Under each item the price schedule lists the MassDOT, NHDOT, RIDOT, MaineDOT and CTDOT pay items it matches, and its CSI section. Enter the ESC price against that item.
2. **Convert to the bid-form unit where needed.**
 - **Area.** DOT support-of-excavation items pay per SF or SY of exposed face. Use SOE-FACE for these, or build the price from SPL-PILE and SPL-LAGGING. 1 SY = 9 SF.
 - **Complete-shaft states.** New Hampshire, Rhode Island and Maine pay a complete shaft per foot: use DS-SHAFT-COMplete. MassDOT and CTDOT split excavation from the finished shaft: use DS-SHAFT-SOIL, DS-CAGE and DS-CONCRETE. The CY per foot for each diameter is printed with the item.
3. **Place mobilization.** Use the bid form's mobilization or equipment-mobilization item if one exists. Examples are MaineDOT 501.804, NHDOT 509.101 and CTDOT 0701099. Otherwise spread our mobilization over our unit items.

4. Carry the ground risk you can see.

- If the borings show rock within the design depth, carry the rock item for the depth shown.
- If they show boulders or fill with debris, carry obstruction hours.
- A pre-construction probe day (GC-PROBE-DAY) is usually the cheapest way to remove that contingency.

5. Use the assemblies for quick numbers.

The soldier-pile pump-station box, soil-nail wall, emergency response and carport pier tables are built from the unit prices in this book. An assembly marked **budget** is a standard configuration priced for carrying in a bid, not a design. Send the drawings and borings and we will turn it into a firm quote.

6. Call us for a firm quote (ESC 3-Day Quote: firm price within 3 business days of receiving drawings, borings and the bid form) when:

- the scope is over about \$250,000;
- it involves permanent work that ESC designs;
- it involves a railroad, or work under or next to an occupied building with vibration limits;
- the soils are contaminated, or borings are missing or more than about 100 ft from the work;
- the excavation or pier is deeper than 20 ft, or the item is not in this book.

Call Derek Snow at +1 (617) 712-8391 (derek@earthsupportcorp.com). For field and scheduling questions, call Jean Prinsloo at +1 (978) 846-6851 (jean@earthsupportcorp.com).

9. DESIGN-BUILD OPTION

- **Who designs.** ESC's licensed Professional Engineer partner, registered in the state of the work, designs the temporary or permanent system: support of excavation, braced pits, anchors or soil nails.
- **What you get.** Calculations and stamped working drawings, with one round of responses to reviewer comments.
- **How it is priced.** Design is priced as ENG-SOE-DESIGN, and you may carry it inside the SOE item on your bid form.
- **When the design is by others.** ESC builds to the stamped design and does not warrant its adequacy.

WHO YOU ARE CARRYING

ESC CAPABILITY & SERVICE AREA

Earth Support Corp. is a specialty earth-support subcontractor based in Massachusetts. We self-perform the work in this book with our own crews and quote it to general contractors and owners across New England.

WHAT WE SELF-PERFORM

- Drilled soldier piles and timber lagging
- Braced pits and shored boxes for wet wells and vaults
- Soil nails, rock anchors and rock dowels
- Pit-and-pour underpinning of existing foundations
- Drilled piers and caissons, 18 to 42 in.
- Carport, BESS, substation and pole foundations
- Pre-construction rock probes, test shafts and load tests
- Emergency shoring response

EQUIPMENT

Drill rigs including limited-access units and grout plants, run by ESC crews.

DESIGN

Delegated design and stamped submittals through ESC's licensed PE partner (ENG-SOE-DESIGN).

SAFETY & PAPERWORK

- Site-specific activity hazard analysis for every job
- A designated competent person on site whenever ESC is working
- Written Safety and Health Program; OSHA 29 CFR 1926 Subpart P excavation and 1926.1153 silica compliance
- Certificates of insurance on request, naming additional insureds as the subcontract requires



■ Local: within 60 mi of the Millis yard ■ Regional: 60–150 mi
 Straight-line distance from 6 Norfolk Road, Millis, MA. Boston, Worcester, Providence, Lowell, New Bedford and Manchester NH are all local mobilizations. Beyond 150 miles, mobilization is quoted per job.

EARTH SUPPORT CORP

WE HOLD THE GROUND SO YOU CAN BUILD

THE ESC 3-DAY QUOTE

SEND DRAWINGS. FIRM QUOTE IN 3 BUSINESS DAYS.

These prices are for budgeting and bid-day carry. For a firm number, email the plan set, boring logs and your bid date. We return a signed, itemized quote within three business days, usually sooner.

SEND

Plan set and specs, boring logs or geotechnical report, the bid form and your bid date.

WE RETURN

A signed, itemized subcontract quote built on the unit prices in this book.

WE HOLD

The prices in this book through December 13, 2026, the validity date on the cover.

Derek Snow

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Earth Support Corp. · Unit Price Package rev 1, issued September 14, 2026, valid through December 13, 2026. Budget-firm subcontract unit prices for ESC's self-performed scope, subject to the General Conditions in this book and to a firm quote on the actual drawings and subsurface information. Not an offer until confirmed in a signed ESC quote.