## 31 41 Shoring

4400

4500

4520

4540

4560

4565

4570

4580

4590

4700

4800

18' deep, 38 S.F./hr. in & 114 S.F./hr. out

20' deep, 35 S.F./hr. in & 105 S.F./hr. out

Left in place, 8' deep, 55 S.F./hr.

10' deep, 50 S.F./hr.

12' deep, 45 S.F./hr.

14' deep, 42 S.F./hr.

16' deep, 40 S.F./hr.

18' deep, 38 S.F./hr.

20' deep, 35 S.F./hr.

Alternate pricing, left in place, 8' deep

Drive, extract and salvage, 8' deep

31	41	13	_	Timbe	r Sho	ring

	TI 15 - Innoci snorm3													
24 /	31 41 13.10 Building Shoring		Daily		11.5	H I	2022 Bo		Til	Total				
0010	BUILDING SHORING	Crew	Uutput	Hours	Unit	Material	Labor	Equipment	Total	Incl O&P				
0020	Shoring, existing building, with timber, no salvage allowance	B-51	2 20	21 010	AA D E '	1 275	1 025	164	2554	2 200				
1000	On cribbing with 35 ton screw jacks, per box and jack	. "		21.818		1,375	1,025	154	2,554	3,200				
1100	Masonry openings in walls, see Section 02 41 19.16	Į.	3.00	13.333	Ea.	64.50	625	94.50	784	1,100				
	· · · · · · · · · · · · · · · · · · ·													
	41 16 - Sheet Piling													
31 4	31 41 16.10 Sheet Piling Systems													
0010	SHEET PILING SYSTEMS													
0020	Sheet piling, 50,000 psi steel, not incl. wales, 22 psf, left in place	B-40	10.81	5.920	Ton	1,825	350	335	2,510	2,900				
0100	Drive, extract & salvage R314116-40	- [	6	10.667	1:	- 510	630	605	1,745	2,200				
0300	20' deep excavation, 27 psf, left in place		12.95	4.942		1,825	293	280	2,398	2,750				
0400	Drive, extract & salvage R314116-45		6.55	9.771		510	580	555	1,645	2,050				
0600	25' deep excavation, 38 psf, left in place		19	3.368		1,825	200	191	2,216	2,525				
0700	Drive, extract & salvage		10.50	6.095		510	360	345	1,215	1,500				
0900	40' deep excavation, 38 psf, left in place	-	21.20	3.019		1,825	179	171	2,175	2,450				
1000	Drive, extract & salvage		12.25	5.224	4	510	310	296	1,116	1,350				
1200	15' deep excavation, 22 psf, left in place		983	.065	S.F.	21 .	3.86	3.69	28.55	33.50				
.1300	Drive, extract & salvage	B-40	545	.117	S.F.	5.70	6.95	6.65	19.30	24				
1500	20' deep excavation, 27 psf, left in place	:	960	.067		26.50	3.95	3.78	34.23	39.50				
1600	Drive, extract & salvage	N. I	485	.132		7.40	7.80	7.50	22.70	28.50				
1800	25' deep excavation, 38 psf, left in place		1000	.064		39	3.79	3.63	46.42	53				
1900	Drive, extract & salvage	1	553	.116	+ 1	10.15	6.85	6.55	23.55	29				
2100	Rent steel sheet piling and wales, first month				Ton	320			320	350				
2200	Per added month					32			32	35				
2300	Rental piling left in place, add to rental					1,175			1,175	1,300				
2500	Wales, connections & struts, 2/3 salvage					510			510	560				
2700	High strength piling, 60,000 psi, add					182			182	201				
2800	65,000 psi, add					273			273	300				
3000	Tie rod, not upset, 1-1/2" to 4" diameter with turnbuckle	F. Control				2,275			2,275	2,500				
3100	No turnbuckle	E. Connection				1,625			1,625	1,775				
3300	Upset, 1-3/4" to 4" diameter with turnbuckle	THE REAL PROPERTY.				2,400			2,400	2,650				
3400	No turnbuckle	1				2,025			2,025	2,250				
3600	Lightweight, 18" to 28" wide, 7 ga., 9.22 psf, and													
3610	9 ga., 8.6 psf, minimum				Lb.	.69			.69	.76				
3700	Average	*				.88			.88	.97				
3750	Maximum	T. Communication of the Commun		1 1	1	.97			.97	1.07				
3900	Wood, solid sheeting, incl. wales, braces and spacers, R314116-40													
3910	drive, extract & salvage, 8' deep excavation	B-31	330	.121	S.F.	2.95	5.85	.80	9.60	12.85				
4000	10' deep, 50 S.F./hr. in & 150 S.F./hr. out			.133		3.03	6.40	.88	10.31	13.85				
4100	12' deep, 45 S.F./hr. in & 135 S.F./hr. out		270	.148		3.12	7.15	.98	11.25	15.10				
4200	14' deep, 42 S.F./hr. in & 126 S.F./hr. out		250	.160		3.22	7.70	1.06	11.98	16.15				
4300	16' deep, 40 S.F./hr. in & 120 S.F./hr. out	24 44 44 44 44 44 44 44 44 44 44 44 44 4	240	.167		3.32	8	1.10	12.42	16.80				
1000	το σουρ, το στις πιε στι του στις του		200	174		0.00	0.05	1.10	30.00	17.50				

17.50

18.90

14.05

15.25

16.25

18.15

19.65

3,100

3,575

13

12.93

13.95

10.28

11.07

11.98

12.79

13.48

14.27

15.44

2,450

2,700

1.26

.60

.66

.73

.79

.83

.87

.94

150

200

B-31

230

210 | .190

440

400

360

335

320

305

.174

.091

.100

.119

.125

.131

.143

1.76 (22.727 M.B.F.)

1.32 30.303 M.B.F.

3.43

3.54

5.30

5.60

5.90

6.25

6.65

7.10

7.60

1,200

1,050

8.35

9.15

4.38

4.81

5.35

6.30

6.90

1,100

1,450