

503E21330 - UNCLASSIFIED EXCAVATION

For Table

507E00400 - STEEL PILES, MISC.: SOLDIER PILES, W33x387

Imported Shaft Table

SHAFT NUMBER	BOT. OF CAP / TOP OF SHAFT EL.	TOP OF PILE EL.	TOP OF CASING EL.	BOT OF SHAFT EL.	EXIST SOIL EL.	ESTIMATED CONC. SHAFT LENGTH (FT)	ESTIMATED PILE LENGTH (FT)	ITEM 524 DRILLED SHAFT LENGTH (FT)	CASING LENGTH (FT)
1	505.76	505.76	505.76	424.50	506.83	81.26	81.26	82.33	50.00
2	505.95	505.95	505.95	424.50	506.62	81.45	81.45	82.12	50.00
3	506.14	506.14	506.14	424.50	506.41	81.64	81.64	81.91	50.00
4	506.33	506.33	506.33	424.50	505.72	81.83	81.83	81.83	50.00
5	506.52	506.52	506.52	424.75	505.34	81.77	81.77	81.77	50.00
6	506.71	506.71	506.71	424.75	505.43	81.96	81.96	81.96	50.00
7	506.90	506.90	506.90	424.75	505.52	82.15	82.15	82.15	50.00
8	507.09	507.09	507.09	424.75	507.29	82.34	82.34	82.54	50.00
9	507.28	507.28	507.28	424.75	509.12	82.53	82.53	84.37	50.00
10	507.47	507.47	507.47	425.00	510.13	82.47	82.47	85.13	50.00
11	507.66	507.66	507.66	425.00	510.48	82.66	82.66	85.48	50.00
12	507.85	507.85	507.85	425.00	510.81	82.85	82.85	85.81	50.00
13	508.04	508.04	508.04	425.00	510.76	83.04	83.04	85.76	50.00
14	508.23	508.23	508.23	425.00	510.35	83.23	83.23	85.35	50.00
15	508.42	508.42	508.42	425.00	508.96	83.42	83.42	83.96	50.00
16	508.61	508.61	508.61	429.50	507.16	79.11	79.11	79.11	62.00
17	508.83	508.83	508.83	429.50	505.73	79.33	79.33	79.33	62.00
18	509.02	509.02	509.02	429.50	504.91	79.52	79.52	79.52	62.00
19	509.21	509.21	509.21	429.50	504.09	79.71	79.71	79.71	62.00
20	509.40	509.40	509.40	429.75	503.28	79.65	79.65	79.65	62.00
21	509.47	509.47	509.47	429.75	502.53	79.72	79.72	79.72	62.00
22	509.47	509.47	509.47	429.75	502.40	79.72	79.72	79.72	62.00
23	509.47	509.47	509.47	429.75	502.26	79.72	79.72	79.72	62.00
24	501.62	N/A	N/A	437.00	502.15	64.62	N/A	65.15	N/A
25	501.62	N/A	N/A	437.00	502.05	64.62	N/A	65.05	N/A
26	501.62	N/A	N/A	437.00	501.95	64.62	N/A	64.95	N/A
27	501.62	N/A	N/A	437.00	501.86	64.62	N/A	64.86	N/A
28	501.62	N/A	N/A	437.00	501.72	64.62	N/A	64.72	N/A
29	497.95	N/A	N/A	449.00	501.58	48.95	N/A	52.58	N/A
30	497.95	N/A	N/A	449.00	501.44	48.95	N/A	52.44	N/A
31	497.95	N/A	N/A	449.00	501.29	48.95	N/A	52.29	N/A
32	497.95	N/A	N/A	449.00	501.15	48.95	N/A	52.15	N/A
33	497.95	N/A	N/A	449.00	501.01	48.95	N/A	52.01	N/A
34	497.95	N/A	N/A	449.00	500.87	48.95	N/A	51.87	N/A
Σ							1871.08	2527.02	

For Table ft

509E26000 - GALVANIZED STEEL REINFORCEMENT

For Table From Drawings Table

510E10000 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT

For Table each

511E53010 - CLASS QC1 CONCRETE, MISC.: SHAFT CAP & Collar

Cap Thick	2	ft
Cap Depth Shaft 1-23	5.77	ft - perpendicular to wall
Cap Length 1-23	121.87	ft
Vol 1-23	1406.5	ft^3
Cap Depth Shaft 24-34	5.67	ft - perpendicular to wall
Cap Length 24-28	26.50	ft
Cap Length 29-34	32.00	ft
Vol 24-34	663.0	ft^3

Collar	Sect E-E Area	6.09	ft^2 - From CAD
	Section E-E Height	5.85	ft
	Sect F-F Area	7.04	ft^2 - From CAD
	Section F-F Height	8.32	ft
	Sect Between E & F Area	3.22	ft^2 - From CAD
	Sect Between E & F HT	2.00	ft
	Vol Collar	100.7	ft^3
For Table		82	cy

511E53010 - CLASS QC1 CONCRETE, MISC.:MOMENT SLAB

Sect 1-23 Typ - Area	6.10	ft^2 - perpendicular to wall
Sect 1-23 Typ - Length	105.35	ft
Vol Moment Slab	642.3	ft^3

Sect 1-23 Vary Ht - Area	6.27	ft^2 - perpendicular to wall
Sect 1-23 Vary Ht - Length	14.35	ft
Vol Moment Slab	90.0	ft^3

Sect D - Area	10.39	ft^2 - perpendicular to wall
Sect D - Length	1.50	ft
Vol Moment Slab	15.6	ft^3

For Table 28 cy

512E10000 - SEALING OF CONCRETE SURFACES

Notes: Epoxy Sealer

Sect A - Width	1.50	ft- perpendicular to wall
Sect A - Length	10.50	ft
Seal Sect A	15.8	ft^2

Sect 1-23 Typ - Width	12.25	ft- perpendicular to wall
Sect 1-23 Typ - Length	94.85	ft
Seal Sect Typ	1161.9	ft^2

Sect 1-23 Vary Ht - Width	12.29	ft- perpendicular to wall
Sect 1-23 Vary Ht - Length	14.35	ft
Seal Sect Vary Ht	176.4	ft^2

Add Width Cutout Pannel	1.13	ft- perpendicular to wall
Add length Cutout Pannel	5.21	ft
Pannel Locations	13.00	
Seal Add Pannel Length	76.2	ft^2

Barrier Side Area	5.25	ft^2
Number of Sides	3.00	ft
Seal Barrier Sides	15.8	ft^2

Moment Slab Area	6.10	ft^2
Number of Sides	1.00	ft
Seal Moment Slab Sides	6.1	ft^2

Sect D - Width	20.33	ft- perpendicular to wall
Sect D - Length	1.50	ft
Seal Sect D	30.5	ft^2

Sect D Inside Area 21.50 ft^2

Sect D Outside Area 30.22 ft^2

Sect 24-34- Width	9.42	ft- perpendicular to wall
Sect 24-34 - Length	57.83	ft
Seal Sect 24-34	544.6	ft^2

Cap Side Area	11.33	ft^2
Number of Sides	4.00	
Seal Cap Sides	45.3	ft^2

Collar Seal Length E-E	9.88	ft
Collar Seal Height E-E	7.60	ft - Conservatively Ignore small overlap of cap of Shaft 24
Seal Collar	75.1	ft^2

Total Seal Area 2199.3 ft^2

For Table	245	sy
-----------	-----	----

512E10001 - SEALING OF CONCRETE SURFACES, AS PER PLAN

Notes: Graffiti Sealer

For Table	245	cy
-----------	-----	----

513E20001 - WELDED STUD SHEAR CONNECTORS, AS PER PLAN

For Table	28	Each
-----------	----	------

516E13200 - 1/2" PREFORMED EXPANSION JOINT FILLER

Slab Thickness	0.50	ft
Length 1	13.89	ft - from Sta 4+61.39 forward - part of this phase
Length 2	4.17	ft - towards ped bridge

For Table	10	SF
-----------	----	----

516E13600 - 1" PREFORMED EXPANSION JOINT FILLER

Cap PEFJ Area	11.54	ft^2
Mom Slab Typ PEFJ Area	6.10	ft^2
Locations	2	

Mom Slab Typ PEFJ Area	5.25	ft^2
Locations	1	

For Table	41	SF
-----------	----	----

517E76300 - RAILING, MISC.: TEXAS RAILING

Length 1	57.69	ft
Length 2	52.96	ft

For Table	111	FT
-----------	-----	----

524E94915 - DRILLED SHAFTS, 60" DIAMETER, ABOVE BEDROCK, AS PER PLAN

For Table	2,528	ft
-----------	-------	----

607E39901 - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN

Length 1	55.50	ft
Length 2	51.04	ft
Length 3	4.75	ft

For Table	112	FT
-----------	-----	----