

PILE SCHEDULE

Soldier Pile No.	Size	Station	Offset	Top Pile Elevation	Bottom Pile Elevation	Pile Length	No. Studs Per Pile
1	W24x192	1293+55.08	30.17	538.30	485.80	52.50	6
2	W24x192	1293+63.20	30.19	538.35	485.85	52.50	8
3	W24x192	1293+71.33	30.15	538.40	485.90	52.50	8
4	W24x192	1293+79.45	30.10	538.45	486.20	52.25	10
5	W24x192	1293+87.58	30.06	538.50	488.00	50.50	14
6	W24x192	1293+93.67	30.08	538.55	489.55	49.00	16
7	W24x192	1293+99.76	30.09	538.59	491.59	47.00	18
8	W24x192	1294+05.86	30.08	538.63	493.13	45.50	22
9	W24x192	1294+11.95	30.05	538.67	495.17	43.50	24
10	W24x192	1294+17.54	30.04	538.71	496.46	42.25	26
11	W24x192	1294+23.12	30.07	538.75	496.75	42.00	28
12	W24x192	1294+28.71	30.09	538.79	497.54	41.25	30
13	W24x192	1294+34.29	30.09	538.83	498.58	40.25	32
14	W24x192	1294+39.88	30.07	538.87	498.87	40.00	34
15	W24x192	1294+45.47	30.04	538.92	500.42	38.50	36
16	W24x192	1294+51.05	30.05	538.96	501.96	37.00	36
17	W24x192	1294+56.64	30.08	539.00	503.00	36.00	38
18	W24x192	1294+62.22	30.09	539.05	504.55	34.50	38
19	W24x192	1294+67.81	30.09	539.09	503.09	36.00	40
20	W24x192	1294+73.39	30.07	539.14	502.14	37.00	42
21	W24x192	1294+78.98	30.03	539.18	501.93	37.25	42
22	W24x192	1294+84.57	30.11	539.23	506.23	33.00	36
23	W24x176	1294+90.15	30.13	539.27	507.27	32.00	34
24	W24x162	1294+96.25	30.14	539.33	508.33	31.00	34
25	W24x146	1295+02.34	30.13	539.38	509.38	30.00	32
26	W24x131	1295+08.43	30.16	539.43	510.93	28.50	28
27	W24x131	1295+16.56	30.16	539.49	513.99	25.50	26
28	W24x104	1295+24.68	30.21	539.55	516.55	23.00	24
29	W24x84	1295+32.81	30.21	539.62	518.62	21.00	20
30	W24x68	1295+40.93	30.19	539.68	521.18	18.50	18
31	W21x62	1295+49.06	30.30	539.74	522.74	17.00	16
32	W21x62	1295+57.18	30.33	539.79	523.04	16.75	16
33	W21x62	1295+65.31	30.33	539.84	523.59	16.25	14
34	W21x62	1295+73.43	30.30	539.89	523.89	16.00	14
35	W21x62	1295+81.56	30.34	539.94	524.69	15.25	12
36	W21x62	1295+89.68	30.37	539.99	524.99	15.00	12
37	W21x62	1295+97.80	30.37	540.03	526.03	14.00	10
38	W21x62	1296+05.87	30.33	540.08	526.58	13.50	8
39	W16x36	1296+13.87	30.57	540.13	528.13	12.00	4
40	W16x36	1296+21.87	30.65	540.18	528.93	11.25	3
41	W16x36	1296+29.87	30.74	540.23	529.73	10.50	2
42	W16x36	1296+37.87	30.83	540.28	530.28	10.00	2
43	W16x36	1296+45.87	31.35	540.85	532.35	8.50	2
44	W16x36	1296+57.86	31.67	540.97	532.97	8.00	2
45	W16x36	1296+69.86	31.99	541.09	532.84	8.25	2
46	W16x36	1296+81.85	32.42	541.20	532.95	8.25	2
47	W16x36	1296+93.84	32.91	541.31	533.06	8.25	2

SEQUENCE OF CONSTRUCTION

- 1) Drill shaft excavation for Soldier Piles to the elevation shown on the plans and set soldier piles in excavation.
- 2) Place soldier pile encasement concrete to the bottom of facing elevation at each pile location. Place Controlled Low Strength Material (CLSM) to the elevation of the existing ground or top of pile, whichever is lower at the front flange at each pile location.
- 3) Place embankment behind the wall according to Section 205 of the Standard Specifications. Place timber lagging upward as the embankment placement proceeds upward. Timber Lagging should only be placed above the elevation of the bottom of the concrete facing.
- 4) Once the embankment behind the wall is in place to the top of the piles excavation in front of the wall will proceed to the bottom of the facing by installing timber lagging downward.
- 5) Once excavation is complete the cast in place facing shall be installed.

GENERAL NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
 Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 All exposed edges of the cast in place Concrete Wall shall be chamfered 3/4".
 All construction joints shall be bonded.
 The bottom of the concrete facing from Sta. 1294+80 to Sta. 1297+00 was set based on estimated rock elevations. The actual bottom of facing elevations will be determined in the field based on the 2'-0" minimum dimension below rock. The Contractor should notify the Engineer if the bottom of facing elevations differ by more than 9".
 Existing ground at east end of wall shall be graded to top of pile elevations before drilling shafts for soldier piles. Cost is included with drilling and setting soldier piles (In Soil).

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	103
Rock Excavation for Structures	Cu. Yd.	18
Furnishing Soldier Piles (W Section)	Ft	1358.5
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	2540
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	4637
Concrete Structures	Cu. Yd.	347.3
Geocomposite Wall Drain	Sq. Yd.	262
Reinforcement Bars, Epoxy Coated	Pound	51,610
Untreated Timber Lagging	Sq. Ft.	2699
Name Plates	Each	1
Stud Shear Connectors	Each	923

5/14/2006
#FILE:ABBREV#

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE: GENERAL STRUCTURE NUMBER 037-0069 MATERIAL STRUCTURE NUMBER 037-0069	
PROJECT: FAP ROUTE 315 (IL 336/US 136) SECTION 34-5(5B) HANCOCK COUNTY STA. 1293+50.00(R) TO STA. 1297+00.00(R) STRUCTURE NUMBER 034-2521	PROJECT NO. 02076-R SCALE 9450 DATE 12/22/05 DRAWN BY TFG CHECKED BY BD/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers/Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	10 OF 18 SHTS