

**SOLDIER PILE INFORMATION CHART**

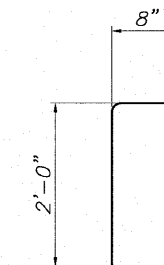
Reference Point	Station	Offset to $\phi$ of Hole	Offset to Center front Flange of Pile	Pile Section	Top of Pile	Bottom of Pile	Finished Pile Length	Furnished Pile Length	No. Stud Shear Connectors	
1	208+13.27	11.16' Lt.	9.50' Lt.	W30x211	716.00	691.50	24.50'	25.50'	-	
2	208+20.25	11.79' Lt.	10.50' Lt.	W30x211	716.00	691.50	24.50'	25.50'	-	
3	208+25.25	11.79' Lt.	10.50' Lt.	W30x211	716.00	691.50	24.50'	25.50'	-	
4	208+30.25	11.79' Lt.	10.50' Lt.	W30x211	716.00	691.50	24.50'	25.50'	30	
5	208+35.23	11.80' Lt.	10.52' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
6	208+40.23	11.86' Lt.	10.57' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
7	208+45.23	11.92' Lt.	10.63' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
8	208+50.23	11.97' Lt.	10.68' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
9	208+54.23	12.01' Lt.	10.73' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
10	208+59.23	12.07' Lt.	10.78' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
11	208+64.23	12.13' Lt.	10.84' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
12	208+69.23	12.18' Lt.	10.89' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
13	208+74.23	12.24' Lt.	10.95' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
14	208+78.23	12.28' Lt.	10.99' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
15	208+83.23	12.33' Lt.	11.05' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
16	208+88.23	12.39' Lt.	11.10' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
17	208+93.23	12.45' Lt.	11.16' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
18	208+98.23	12.50' Lt.	11.21' Lt.	W30x211	718.00	691.50	26.50'	27.50'	30	
19	209+02.23	12.43' Lt.	11.26' Lt.	W27x194	718.00	693.00	25.00'	26.00'	30	
20	209+07.23	12.48' Lt.	11.31' Lt.	W27x194	718.00	693.00	25.00'	26.00'	30	
21	209+12.23	12.54' Lt.	11.37' Lt.	W27x194	718.00	693.00	25.00'	26.00'	30	
22	209+17.23	12.59' Lt.	11.42' Lt.	W27x194	718.00	693.00	25.00'	26.00'	30	
23	209+22.23	12.65' Lt.	11.48' Lt.	W27x194	718.00	693.00	25.00'	26.00'	30	
24	209+26.25	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
25	209+31.25	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
26	209+36.25	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
27	209+41.25	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
28	209+46.01	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	24 *	
29	209+50.51	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	24 *	
30	209+57.01	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
31	209+63.51	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
32	209+70.01	12.67' Lt.	11.50' Lt.	W27x194	718.00	694.00	24.00'	25.00'	28	
33	209+74.53	12.65' Lt.	11.48' Lt.	W27x194	718.00	695.00	23.00'	24.00'	28	
34	209+81.03	12.57' Lt.	11.40' Lt.	W27x194	718.00	695.00	23.00'	24.00'	28	
35	209+87.53	12.50' Lt.	11.33' Lt.	W27x194	718.00	695.00	23.00'	24.00'	28	
36	209+94.03	12.43' Lt.	11.26' Lt.	W27x194	718.00	695.00	23.00'	24.00'	28	
37	209+98.53	12.38' Lt.	11.21' Lt.	W27x194	715.00	695.00	20.00'	21.00'	24	
38	210+05.03	12.31' Lt.	11.14' Lt.	W27x194	715.00	695.00	20.00'	21.00'	24	
39	210+11.53	12.24' Lt.	11.07' Lt.	W27x194	715.00	695.00	20.00'	21.00'	24	
40	210+18.03	12.17' Lt.	10.99' Lt.	W27x194	715.00	695.00	20.00'	21.00'	24	
41	210+22.52	11.54' Lt.	10.95' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
42	210+29.02	11.47' Lt.	10.87' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
43	210+35.52	11.39' Lt.	10.80' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
44	210+42.02	11.32' Lt.	10.73' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
45	210+46.52	11.27' Lt.	10.68' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
46	210+53.02	11.20' Lt.	10.61' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
47	210+59.52	11.13' Lt.	10.54' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
48	210+66.02	11.09' Lt.	10.50' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	18	
49	210+72.52	11.09' Lt.	10.50' Lt.	W14x99	712.00'	695.00	17.00'	18.00'	-	
50	210+79.46	11.08' Lt.	10.48' Lt.	W14x99	711.00	695.00	16.00	17.00'	-	
Total							1,138'	1,201	1,196	

BORING NUMBER	STATION	OFFSET	GROUND ELEV.	EST. COMP. ROCK ELEV.
B-1	205+62	20.1' LT	728	N/A
B-2	206+69	44.3' LT	728	N/A
B-3	207+60	36.1' LT	728	701.5
B-4	208+20	43.1' RT	695	693.5
B-5	209+64	59.9' RT	693	691.0
B-6	210+83	40.15' RT	696	693.0
B-7	212+10	37.74' RT	696	694.5
B-8	213+71	34.17' RT	698	691.5
B-9	211+98	31.8' LT	716	706.0
B-10	211+67	77.9' LT	720	710.0
B-11	212+57	61.6' LT	721	705.0
B-12	211+12	200.5' LT	736	714.0
B-13	212+13	155.2' LT	730	709.0
B-14	209+57	39.5' LT	730	705.0
B-15	208+63	54.3' LT	730	700.0

**BILL OF MATERIAL**

Cast-in-Place Concrete Face

Bar	No.	Size	Length	Shape
h	42	#5	22'-9"	—
h1	133	#5	26'-4"	—
h2	147	#5	23'-8"	—
h3	13	#5	22'-0"	—
h4	28	#5	23'-5"	—
h5	13	#5	24'-8"	—
h6	32	#5	6'-0"	—
v	192	#4	16'-8"	—
v1	140	#4	15'-8"	—
v2	50	#4	12'-8"	—
v3	98	#4	10'-8"	—
v4	243	#4	4'-8"	—
v5	6	#4	10'-3"	—
Concrete Structures			Cu. Yd.	182.4
Reinforcement Bars (Epoxy Coated)			Pound	15,325
Form Liner Textured Surface			Sq. Ft.	3,395
Rubbed Finish			Sq. Ft.	637
Staining Concrete Structures			Sq. Yd.	377
Anti-Graffiti Coating			Sq. Ft.	4,032



BAR v4

\* Delete Shear Studs from flange adjacent to pier blockout, see elevations

**SP WALL No. 21**  
**PILE INFORMATION & C.I.P. BILL OF MATERIALS**  
**PEDESTRIAN RIVERWALK**  
**ALONG THE ROCK RIVER**  
**WINNEBAGO COUNTY**  
**SECTION NO. 06-00543-00-BT**  
**STATION 208+13.27 TO**  
**STATION 210+79.46**

DESIGNED	C7B
CHECKED	AAG
DRAWN	JAW
CHECKED	JWH

**McClure**  
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SHEET NO. 5  
5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00543-00-BT	WINNEBAGO	148	89
CONTRACT NO.			85521	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

11-08-08 Rev. 08/08/08 Structural Engineering Department 08-008 SP-WALL 21.dwg DET-21 (4) 9/10/2010 9:35:57 AM, LT