

SOLDIER PILE INFORMATION CHART

Reference Point	Station	Offset to ϕ 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

Construction Note:

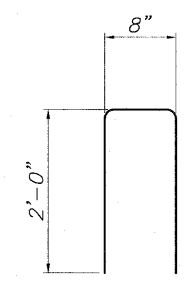
Piles 1, 2, 3, 49, and 50 have been extended beyond the required limits of the cast-in-place concrete wall facing for the benefit of providing temporary shoring for the excavation and construction of the bridge abutments. The Contractor shall be responsible for additional slope protection beyond at no additional cost to the Contract. The Contractor shall coordinate the construction of SP Wall 21 with the limits of the Cable-Stayed Bridge Substructure units. Refer to Structure No. 6350 Plans.

BILL OF MATERIAL

Cast-in-Place Concrete Face

Bar	No.	Size	Length	Shape
h	42	#5	22'-9"	—
h ₁	133	#5	26'-4"	—
h ₂	147	#5	23'-8"	—
h ₃	13	#5	22'-0"	—
h ₄	28	#5	23'-5"	—
h ₅	13	#5	24'-8"	—
h ₆	32	#5	6'-0"	—
v	192	#4	16'-8"	—
v ₁	140	#4	15'-8"	—
v ₂	50	#4	12'-8"	—
v ₃	98	#4	10'-8"	—
v ₄	243	#4	4'-8"	—
v ₅	6	#4	10'-3"	—

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



BAR v₄

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.	0

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	CTB
CHECKED	AAG
DRAWN	JAW
CHECKED	JWH

McClure
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SHEET NO. 5	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		06-00543-00-BT	WINNEBAGO	148	89
5 SHEETS	FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
					CONTRACT NO. 85521

H:\06-008 Riverview Museum\DESIGN\DRAWINGS\STRUCTURAL\GRAVE 08-008 SP-WALL 21.dwg, DET-21 (4), 10/26/2010 5:59:20 PM, MEAL, Cee D., 24x36 in (Landscape), 1:1