F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	402
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62303 *(2021-922 PT2 ETC 2324.6-1P) R-11

PILE LAYOUT

Pile	Offset*	Top of Wall El.	Top of Pile Elevation	Bott. of Facing Elevation	Section	Pile Tip Elevation	Pile Length
P-1	-82.88	15.88	14.88	11.88	W12x40	-3.08	17.96
P-2	-82.88	15.86	14.86	11.86	W12x40	-3.08	17.94
P-3	-82.88	15.84	14.84	11.84	W12x40	-3.08	17.91
P-4	-82.88	15.81	14.81	11.81	W12x40	-3.84	18.65
P-5	-82.88	15.79	14.79	11.79	W12x40	-3.84	18.63
P-6	-82.88	15.76	14.76	11.77	W12x40	-3.84	18.60
P-7	-82.88	15.73	14.73	11.72	W12x40	-4.61	19.34
P-8	-82.88	15.70	14.70	11.70	W12x40	-4.61	19.31
P-9	-82.88	15.66	14.66	11.67	W12x40	-4.61	19.27
P-10	-82.88	15.64	14.64	11.49	W12x40	-5.39	20.02
P-11	-82.81	15.64	14.64	11.35	W14x43	-7.13	21.76
P-12	-82.81	15.64	14.64	11.20	W14x43	-7.13	21.76
P-13	-82.88	15.22	14.22	10.86	W12x40	-6.16	20.38
P-14	-82.88	15.03	14.03	10.67	W12x40	-6.16	20.19
P-15	-82.88	14.84	13.84	10.47	W12x40	-6.16	20.00
P-16	-82.88	14.61	13.61	10.08	W12x40	-6.95	20.56
P-17	-82.88	14.35	13.35	9.88	W12x40	-6.95	20.30
P-18	-82.88	14.08	13.08	9.69	W12x40	-6.95	20.03
P-19	-82.88	13.78	12.78	9.29	W12x40	-8.86	21.64
P-20	-82.88	13.45	12.45	9.10	W12x40	-8.86	21.30
P-21	-82.88	13.11	12.11	8.90	W12x40	-8.86	20.96
P-22	-82.88	12.77	11.77	8.50	W12x40	-9.65	21.42
P-23	-82.88	12.42	11.42	8.30	W12x40	-9.65	21.07
P-24	-82.88	12.07	11.07	8.10	W12x40	-9.65	20.72
P-25	-82.88	11.72	10.72	7.63	W12x40	-10.45	21.17
P-26	-82.88	11.37	10.37	7.37	W12x40	-10.45	20.82
P-27	-82.88	11.03	10.03	7.11	W12x40	-10.45	20.47
P-28	-82.81	10.42	9.42	6.33	W14x43	-11.79	21.21
P-29	-82.81	10.03	9.03	6.07	W14x43	-11.79	20.82
P-30	-82.81	9.63	8.63	5.55	W14x43	-12.60	21.24
P-31	-82.88	9.29	8.29	5.29	W12x40	-12.06	20.35
P-32	-82.88	8.94	7.94	5.02	W12x40	-12.06	20.00
P-33	-82.88	8.59	7.59	4.50	W12x40	-12.87	20.46
P-34	-82.88	8.24	7.24	4.24	W12x40	-12.87	20.11
P-35	-82.88	7.89	6.89	3.98	W14x48	-13.41	20.31
P-36	-82.80	7.47	6.47	3.49	W14x48	-14.98	21.45
P-37	-82.88	7.22	6.22	3.26	W12x40	-13.69	19.91
P-38	-82.88	6.95	5.95	3.03	W12x40	-13.69	19.65
P-39	-82.97	6.66	5.66	2.59	W10x33	-8.96	14.61
P-40	-82.97	6.37	5.37	2.37	W10x33	-8.96	14.33
P-41	-82.97	6.08	5.08	2.16	W10x33	-8.96	14.04
P-42	-82.97	5.82	4.82	1.75	W10x33	-9.62	14.43
P-43	-82.97	5.56	4.56	1.56	W10x33	-9.62	14.18
P-44	-82.97	5.31	4.31	1.38	W10x33	-9.62	13.93
P-45	-82.97	5.06	4.06	0.99	W10x33	-10.15	14.21
P-46	-82.97	4.80	3.80	0.80	W10x33	-10.15	13.95
P-47	-82.97	4.54	3.54	0.60	W10x33	-10.15	13.69
P-48	-82.97	4.30	3.30	0.24	W10x33	-10.59	13.89
P-49	-82.97	4.07	3.07	0.07	W10x33	-10.59	13.67
P-50	-82.97	3.85	2.85	-0.10	W10x33	-10.59	13.44
P-51	-82.97	3.64	2.64	-0.41	W10x33	-11.03	13.67
P-52	-82.97	3.45	2.45	-0.55	W10x33	-11.03	13.48
P-53	-82.97	3.25	2.25	-0.70	W10x33	-11.03	13.29
P-54	-82.97	3.08	2.08	-0.96	W10x33	-11.57	13.65
P-55	-82.97	2.94	1.94	-1.07	W10x33	-11.57	13.51
P-56	-82.97	2.81	1.81	-1.18	W10x33	-11.57	13.37
P-57	-82.97	2.67	1.67	-1.29	W10x33	-11.57	13.24

*Offset from ℄ Ramp 47A

BILL OF MATERIAL

Item	Unit	Quantity
Furnishing Soldier Piles (W Sections)	Foot	1,031
Drill/Set Soldier Piles (In Soil)	Cu. Ft.	4,081

NOTES

1. All piles have drilled shaft dia = 2'-0".

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

SHEET 6 OF 15

REVISIONS	
NAME REVISED	DATE 06/15/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

RETAINING WALL S-47N-R
PILE LAYOUT

SCALE: NTS — DRAWN BY: MTR
DATE: JUNE 9, 2006 — CHECKED BY: BLU

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