

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 2 OF 2

BORING RW-111

Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
Ft		tsf	%	Ft		tsf	%
CONTINUED				CONTINUED			
791.5				766.5			
Brown-Grey Clay LOAM, A-6				Brown-Grey Clay LOAM, A-6			
45	9 12 13	4.11 B	12	70	21 53 45	7.52 B	12
50	8 12 14	3.80 BS	12	75	21 30 41	7.09 B	11
55	19 21 30	4.5 P	10	80	19 35 41	6.36 B	11
60	20 29 34	8.86 B	10	85	21 39 42	4.5+ P	9
65	18 31 36	8.91 B	10	End of Boring @ 85.0' 746.5			

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BORING LOG

SHEET 1 OF 2

PROJECT Algonquin Bypass Retaining Wall - IL. Route 31 DATE 2/2/09
 ROUTE FAP 339/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 136+00 to 144+00 CHECKED BY WJW
 COUNTY McHenry
 BORING RW-112
 STATION 142+80
 OFFSET 40' R of CL

Depth	N/6"	Qu	W	WATER LEVEL DURING DRILLING	Depth	N/6"	Qu	W
Ft		tsf	%	GROUND WATER	Ft		tsf	%
				AT COMPLETION				
				none				
				dry				
834.5					814.5			
Brown SAND and GRAVEL, A-1				Brown-Grey Clay LOAM, A-6				
45	7 10 11	-	3	occasional wet Sand seams	45	7 8 8	1.87 B	14
5	6 9 12	2.56 B	11		25	5 8 12	2.71 B	11
10	6 8 12	2.40 B	11		30	5 6 9	2.05 B	11
15	7 12 14	3.49 S	10		35	5 7 8	1.94 B	14
20	8 9 10	2.13 B	12		40	ST	2.78 B	-

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches
 Qu- Unconfined Compressive Strength (tsf)
 W- Water Content-percentage of oven dry weight (%)
 ST- Shelby Tube Sample
 Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

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SHEET 2 OF 2

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Ft		tsf	%	Ft		tsf	%
CONTINUED				CONTINUED			
794.5							
Brown-Grey Clay LOAM, A-6				Brown-Grey Clay LOAM, A-6			
45	7 8 8	1.87 B	14				
50	7 9 10	2.13 B	14				
End of Boring @ 50.0' 784.5							

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DRAWN - C. BRABAND
 DESIGNED - D. ATKINS
 CHECKED - G. HATLESTAD
 DATE - 5/3/2012

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS II
 WALL F; ILLINOIS ROUTE 31
 STRUCTURE NO. 056-2505
 SHEET NO. WF15 OF WF15 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	634
CONTRACT NO. 60F72				
ILLINOIS FED. AID PROJECT				