

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass Mainline - IL. Route 31 DATE 2/24/09
 ROUTE FAP 339/LL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 100+00 to 180+00 CHECKED BY WJW

COUNTY	BORING	STATION	OFFSET	Depth	N/6"	Qu	tsf	W	%	WATER LEVEL		Qu	W
										DURING DRILLING	AT COMPLETION		
McHenry	B-4	112+00	30' R of CL							none	dry		
GROUND SURFACE EL.				752.4	Ft								
Black Silty CLAY, mixed with Sand and Cinders, A-5: FILL					2		1.5		17				
					4								
					5								
Black and Grey Sandy LOAM, A-2-4(0)*				748.9	3		1.5		16				
					4								
					5								
Black Silty CLAY, A-7-6				746.9	3		1.25		27				
					5								
					7								
Brown Clay LOAM, A-6				744.4	2		1.36		19				
					3								
					4								
End of Boring @ 10.0'				742.4	10								

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 (%)
 * - Classification Test Results on Form BBS 2640
 Type failure: B- Bulge Failure
 S- Shear Failure
 E- Estimated Value
 P-Penetrometer

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										DURING DRILLING	AT COMPLETION		
McHenry	B-5	115+00	30' L of CL							none	dry		
GROUND SURFACE EL.				752.4	Ft								
15" Black Silty CLAY/TOPSOIL over Black and Brown Silty CLAY, A-6: FILL mixed with Sand, Gravel, and Cinders					4		2.0		13				
					3								
					4								
Red-Brown Clay LOAM, A-6: FILL				748.9	2		1.5		14				
					3								
					5								
Black Silty CLAY, A-7-6				746.9	2		1.0		32				
					3								
					4		2.5						
Brown Clay LOAM, A-6 to Brown and Grey				745.1	3		1.82		27				
					4								
					5								
End of Boring @ 10.0'				742.4	10								

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										DURING DRILLING	AT COMPLETION		
McHenry	B-6	118+00	30' L of CL							8.0'	dry		
GROUND SURFACE EL.				753.9	Ft								
Black Silty CLAY mixed with Sand and Cinders, A-6: FILL					3		-		25				
					3								
					2								
Red-Brown and Dark Brown CLAY LOAM, A-6, mixed FILL, very soft				751.9	3		0.43		18				
					5								
					7								
Brown Clay LOAM, A-6				749.4	3		1.40		25				
					4								
					3								
Red-Brown Sandy LOAM, A-4 and SAND, A-3, damp				745.9	3		-		19				
					3								
					3								
End of Boring @ 10.0'				743.9	10								

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 W- Water Content-percentage of oven dry weight (%)
 WOH- Weight of Hammer
 Type failure: B- Bulge Failure
 S- Shear Failure
 E- Estimated Value
 P-Penetrometer

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DRAWN - D. ATKINS
 DESIGNED - M. LANGE
 CHECKED - G. HATLESTAD
 DATE - 5/3/2012

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS I
 CONCRETE NOISE ABATEMENT WALL
 IL RTE 31 & NB EXIT RAMP (RAMP B)

SHEET NO. WN4 OF WN5 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	668
CONTRACT NO. 60F72				
ILLINOIS FED. AID PROJECT				