

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/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 100+00 to 180+00 CHECKED BY WJW

COUNTY McHenry WATER LEVEL DURING DRILLING 7.0'
 BORING B-7 GROUND WATER AT COMPLETION 9.0'
 STATION 120+75
 OFFSET 30' L of CL

Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
Ft		tsf	%	Ft		tsf	%
GROUND SURFACE EL. 755.7							
Black Silty CLAY mixed with Sand and Cinders, A-6: FILL	7 5 5	1.47 B	11				
Brown Clay LOAM, A-6 753.7	3 5 6	1.74 S	12				
Brown Sandy LOAM, A-4 to SAND, A-3 750.2	4 4 3	-	15				
Red-Brown Clay LOAM, A-6 746.5	3 4 4	0.62 B	19				
End of Boring @ 10.0' 745.7							

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 (%)
 Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass Mainline - IL. Route 31 DATE 4/6/09
 ROUTE FAP 339/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 100+00 to 180+00 CHECKED BY WJW

COUNTY McHenry WATER LEVEL DURING DRILLING none
 BORING B-8 GROUND WATER AT COMPLETION dry
 STATION 123+75
 OFFSET on CL

Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
Ft		tsf	%	Ft		tsf	%
GROUND SURFACE EL. 752.5							
Brown and Black Silty CLAY, little Sand, little Gravel, trace Cinders, A-6: FILL	6 6 7	0.58 S	18				
Brown Clay LOAM, A-6 748.0	6 8 7	1.55 S	17				
	4 6 7	1.47 B	22				
Brown SAND (f-m), A-3, damp 743.5	3 3 3	-	11				
End of Boring @ 10.0' 742.5							

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 (%)
 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 II
 CONCRETE NOISE ABATEMENT WALL
 IL RTE 31 & NB EXIT RAMP (RAMP B)

SHEET NO. WN5 OF WN5 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	669
CONTRACT NO. 60F72				
ILLINOIS FED. AID PROJECT				