

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass Retaining Wall DATE 3/10/09
 ROUTE FAP 339/ILL 31 Algonquin Road BORED BY SPE
 SECTION 96-00209-00-PV STATION 63+00 to 69+50 CHECKED BY WJW

COUNTY <u>McHenry</u>				WATER LEVEL DURING DRILLING <u>none</u>			
BORING <u>RW-117</u>				GROUND WATER AT COMPLETION <u>dry</u>			
STATION <u>66+80</u>				DEPTH			
OFFSET <u>15' R of CL</u>				Depth	N/6"	Qu	W
						tsf	%
GROUND SURFACE EL. <u>763.1</u>				Grey Clay LOAM, A-6 <u>743.1</u>			
17" Bituminous Concrete over 4" Grey Crushed Limestone							
Brown SAND and GRAVEL, A-1: FILL							
Red-Brown and Brown Silty CLAY, A-6: FILL							
Dark Brown Clay LOAM, A-6							
Red-Brown Clay LOAM, A-6							
Cobble or Boulder							
Brown-Grey							

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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BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass Retaining Wall DATE 3/11/09
 ROUTE FAP 339/ILL 31 Algonquin Road BORED BY SPE
 SECTION 96-00209-00-PV STATION 63+00 to 69+50 CHECKED BY WJW

COUNTY <u>McHenry</u>				WATER LEVEL DURING DRILLING <u>none</u>			
BORING <u>RW-118</u>				GROUND WATER AT COMPLETION <u>dry</u>			
STATION <u>67+60</u>				DEPTH			
OFFSET <u>25' R of CL</u>				Depth	N/6"	Qu	W
						tsf	%
GROUND SURFACE EL. <u>762.1</u>				Brown-Grey to Grey Clay LOAM, A-6 <u>742.1</u>			
17-172" Bituminous Concrete over 3" Grey Crushed Limestone							
Brown SAND and GRAVEL, A-1: FILL							
Dark Brown Silty Clay LOAM, A-6: FILL							
Brown Clay LOAM A-6							
Brown-Grey							

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DRAWN - K. BOCHNOWSKI
 DESIGNED - D. ATKINS
 CHECKED - G. HATLESTAD
 DATE - 5/3/2012

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS II
 WALL K; ALGONQUIN ROAD
 STRUCTURE NO. 056-2504

SHEET NO. WK9 OF WK9 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	664
CONTRACT NO. 60F72				

ILLINOIS FED. AID PROJECT