

**MIDLAND STANDARD ENGINEERING & TESTING, INC.**

**BORING LOG**

SHEET 1 OF 1

PROJECT Algonquin Bypass Retaining Wall DATE 2/23/09  
 ROUTE FAP 339/ILL 31 Huntington Drive BORED BY SPE  
 SECTION 96-00209-00-PV STATION 209+50 to 216+00 CHECKED BY WJW

COUNTY McHenry WATER LEVEL DURING DRILLING none  
 BORING RW-75 GROUND WATER AT COMPLETION dry  
 STATION 212+40  
 OFFSET 34' L of CL

Depth	N/6"	Qu	W	Soil Description	Depth	N/6"	Qu	W
Ft		tsf	%		Ft		tsf	%
				GROUND SURFACE EL. <u>780.8</u>				
				1-3/4" Bituminous Concrete over				
				6-1/2" Brown SAND & GRAVEL, A-1				
				Brown Clay LOAM, A-6				
	4	3.53	12	Brown-Grey				
	4	B			10	5.93	10	
	5				12	BS		
	3	3.99	11		14			
	5	B			10	3.88	12	
	7				12	B		
	6	3.72	11		14	4.07	11	
	7	BS			18			
	10				26			
	6	4.53	11		11	5.70	11	
	9	BS		12	BS			
	11			17				
	6	4.65	12	End of Boring @ 30.0' 750.8				
	10	BS						
	6	5.12	11					
	9	BS						
	7	4.84	12					
	11	BS						
	11	7.21	22					
	12	BS						
	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 (%)

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

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 SECTION 96-00209-00-PV STATION 209+50 to 216+00 CHECKED BY WJW

COUNTY McHenry WATER LEVEL DURING DRILLING 5.5'  
 BORING RW-76 GROUND WATER AT COMPLETION 6.5'  
 STATION 213+15  
 OFFSET 34' L of CL

Depth	N/6"	Qu	W	Soil Description	Depth	N/6"	Qu	W
Ft		tsf	%		Ft		tsf	%
				GROUND SURFACE EL. <u>775.2</u>				
				2-1/2" Bituminous Concrete over				
				8-1/2" Brown SAND & GRAVEL, A-1				
				Brown-Grey Clay LOAM, A-6				
	4	2.60	12	Brown-Grey				
	4	B			12	9.46	10	
					15	BS		
	8	5.12	11		17			
	10	BS			25	10.54	11	
	12				31	BS		
	10				15	7.44	10	
	11	-	16		22	BS		
	11				29			
	8	5.00	12		11	6.98	11	
	10	BS		12	BS			
	9	5.04	12	End of Boring @ 30.0' 745.2				
	12	BS						
	10	6.74	10					
	14	BS						
	12	8.10	9					
	16	BS						
	11	4.84	11					
	17	BS						
	22							

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 4/26/06 PM  
 5/2/2012



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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  
 WALL H; HUNTINGTON DRIVE**

SHEET NO. WH4 OF WH5 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	643
CONTRACT NO. 60F72				
ILLINOIS FED. AID PROJECT				