

# MIDLAND STANDARD ENGINEERING & TESTING, INC.

## BRIDGE FOUNDATION BORING LOG

SHEET 1 OF 2

PROJECT IL. 31 - Algonquin Bypass BRIDGE Ramp B over Crystal Creek DATE 1/12/09  
 ROUTE IL. Route 31 - Ramp B (Northbound Exit) BORED BY SPE  
 SECTION STATION 10+20 to 11+80 CHECKED BY WJW

COUNTY		McHenry		WATER LEVEL DURING DRILLING		2.5'	
BORING		BB-12		GROUND WATER AT COMPLETION		2.7'	
STATION		10+21		GROUTED AT COMPLETION			
OFFSET		3' R of CL					
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
		tsf	%			tsf	%
GROUND SURFACE EL. 739.8				Brown-Grey Clay LOAM, A-6, very stiff 719.8			
Black Silty CLAY/TOPSOIL							
Brown SAND and GRAVEL, A-1, medium dense 738.8							
5	6 5 7	-	11	25	6 8 11	2.60 B	13
	7 13 10	-	5		6 8 12	2.25 B	14
	7 11 27	-	9		5 10 16	3.71 B	14
	28 50/2"	-	8		8 12 13	3.79 B	13
	16 23 28	-	9				
	11 7 11	3.60 B	13		8 10 13	2.56 B	14
	6 9 14	3.33 B	13				
	6 10 16	4.26 B	13		6 8 11	2.52 B	13

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.

## BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-12

Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
		tsf	%			tsf	%
CONTINUED							
Grey SAND and GRAVEL, A-1, medium dense 699.8							
45	6 11 16	-	6				
Grey SAND, A-2 693.3							
50	10 10 17	-	16				
End of Boring @ 50.0' 689.8							

I:\2154\cad\sheet\Roadway\20-ST\Structures & Walls\04-SN\_056-0079\0560079-60F72-29-BL.dgn  
 4/24/00 PM  
 5/2/2012