MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-10

	Depth	N/6"	Qu tsf	W %
CONTINUED	Ft			
Grey SAND (f-m), trace Gravel, A-2, very dense 700.0	45	12 22 48	-	17
Grey SAND (f-m), A-3, medium dense 693.0	50	10 10 17	-	18
slightly dense	55	5 3 3	-	22
Grey SAND and GRAVEL, A-1, medium dense 683.0	60	10 50/5" -	-	8
Cobble @ 59.0'	65	8 10 10	-	5

	Depth	N/6"	Qu tsf	W %
	Ft			
Grey SAND and GRAVEL, A-1 675.0	70	50/1" - -	-	0.3
Light Blue-Grey weathered Dolomite Bedrock 673.5				
Light-Blue-Grey Dolomite Bedrock, slightly weathered, fine grained, medium horizontal bedding with frequent horizontal fractures, contains several white chert nodules 670.0	75	ROCK CORE		
Core Run 1 Recovery = 92.5% RQD = 68%				
End of Boring @ 80.0' 660.0	80			

MIDLAND STANDARD ENGINEERING & TESTING, INC.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass — Mainline - IL. Route 31
ROUTE FAP 339/ILL 31
SECTION 96-00209-00-PV — STATION 100+00 to 180+00
COUNTY McHenry
BORING B-8
STATION 123+75
OFFSET on CL
DATE 4/6/09
BORED BY SPE
CHECKED BY WJW
WATER LEVEL DURING DRILLING none
GROUND WATER AT COMPLETION dry

GROUND SURFACE EL. 752.5

	Depth	N/6"	Qu tsf	W %
Brown and Black Silty CLAY, little Sand, little Gravel, trace Cinders, A-6: FILL	Ft	6 6 7	0.58 S	18
Brown Clay LOAM, A-6 748.0	5	6 8 7	1.55 S	17
		4 6 7	1.47 B	22
Brown SAND (f-m), A-3, damp 743.5	10	3 3 3	-	11
End of Boring @ 10.0' 742.5				

	Depth	N/6"	Qu tsf	W %
	Ft			

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
WALL C: IL RTE 31
STRUCTURE NO. 056-2500
SHEET NO. WC8 OF WC8 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	604
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			

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5/2/2012