MIDLAND STANDARD ENGINEERING & TESTING, INC.

BRIDGE FOUNDATION BORING LOG

SHEET 2 OF 2

BORING BB-8

	Depth	N/6"	Qu tsf	W %
CONTINUED	Ft			
Grey SAND, A-2, slightly to medium dense 699.6	45	6 7 11	-	18
End of Boring @ 45.0' 694.6				

	Depth	N/6"	Qu tsf	W %
	Ft			

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT IL. Route 31 - Algonquin Bypass, IL. Route 31 Retaining Wall
ROUTE IL. Route 31 at IL. Route 62
SECTION STATION 128+00 to 138+00
COUNTY McHenry
BORING RW-8
STATION 128+70
OFFSET 28' R of CL

DATE 11/18/08
BORED BY SPE
CHECKED BY WJW

WATER LEVEL
DURING DRILLING 3.5'
GROUND WATER
AT COMPLETION 3.5'
Grouted at Completion

GROUND SURFACE EL. 740.7

Depth	N/6"	Qu tsf	W %
Ft			
Black Organic Silty CLAY, A-7-6	2 2 4	-	34
Brown SAND (f-c) and GRAVEL, A-1, medium dense to dense 737.7	17 22 9	-	17
5	7 9 10	-	12
	8 15 19	-	8
10	12 18 20	-	9
	12 17 21	-	16
Grey SILT, A-4, dense 726.7			
Grey Clay LOAM, A-6, very stiff 725.2	4 7 14	3.22 B	14
15	4 8 13	3.80 B	13
20			

Depth	N/6"	Qu tsf	W %
Ft			
Grey Clay LOAM, A-6, very stiff 720.7	8 9 12	3.76 B	13
25	5 9 13	3.22 B	14
	5 9 13	3.10 B	12
30	5 10 14	3.45 B	14
End of Boring @ 30.0' 710.7			

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.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT IL. Route 31 - Algonquin Bypass, IL. Route 31 Retaining Wall
ROUTE IL. Route 31 at IL. Route 62
SECTION STATION 128+00 to 130+00
COUNTY McHenry
BORING RW-9
STATION 130+00
OFFSET 40' R of CL

DATE 11/25/08
BORED BY SPE
CHECKED BY WJW

WATER LEVEL
DURING DRILLING 6.0'
GROUND WATER
AT COMPLETION 6.5'
Grouted at Completion

GROUND SURFACE EL. 745.4

Depth	N/6"	Qu tsf	W %
Ft			
Dark Brown Silty CLAY, A-6 mixed with Gravel, A-1: FILL	6 7 9	-	14
large PGE type Rock	3 4 14	-	7
Black Organic CLAY, A-8 739.9			
Grey SAND (f-), A-2, medium dense 738.4	1 3 5	-	177
Grey SAND (f-c) and GRAVEL, A-1, medium dense 736.9	12 9 7	-	18
dense	20 20 19	-	8
Pinkish-Brown to Grey Clay LOAM, A-6, very stiff 732.5	9 11 10	3.37 B	11
Brown SAND and GRAVEL, A-1, medium dense 729.9	7 14 14	-	10
Pinkish-Grey Clay LOAM, A-6, hard 727.4	11 12 16	4.84 B	12

Depth	N/6"	Qu tsf	W %
Ft			
Pinkish-Grey Clay LOAM, A-6, very stiff to hard 725.4	9 11 16	4.77 B	12
25	10 12 15	3.45 B	13
	10 11 14	3.14 B	14
30	8 9 15	2.87 B	14
End of Boring @ 30.0' 715.4			

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
WALL D: IL RTE 31
STRUCTURE NO. 056-2501
SHEET NO. WD8 OF WD8 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	612
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			