MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass | STRUCTURE Retaining Wall B | DATE 7/19/10
ROUTE FAP 339/ILL 31 | BORED BY SPE
SECTION 96-00209-00-PV | STATION 107+20 to 108+15 | CHECKED BY WJW

COUNTY McHenry
BORING RW-131
STATION 108+27
OFFSET 31' L of CL

WATER SURFACE EL. none
GROUND WATER AT
COMPLETION dry
AFTER -- HOURS --

GROUND SURFACE EL. 749.7 M (Ft)

Depth	N/6"	Qu tsf	W %
	1 2 2	1.24 BS	22
5	1 2 2	0.74 BS	26
	3 3 4	1.71 BS	25
10	2 3 3	0.66 B	23
	1 3 5	--	18
15	3 4 5	2.56 BS	13

Dark Brown Clay LOAM, A-6
Stiff to firm

to Black

Brown Clay LOAM, A-6 744.2
Stiff to firm

Brown LOAM to Sandy LOAM, 739.2
A-4, Slightly dense

Brown SAND, A-2, wet 737.7
Slightly dense

Pinkish-Brown Silty CLAY, A-6 735.7
Very stiff

End of Boring @ 15' 734.7

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

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SHEET 1 OF 1

PROJECT Algonquin Bypass | STRUCTURE Retaining Wall B | DATE 7/19/10
ROUTE FAP 339/ILL 31 | BORED BY SPE
SECTION 96-00209-00-PV | STATION 107+20 to 108+15 | CHECKED BY WJW

COUNTY McHenry
BORING RW-132
STATION 107+24
OFFSET 35' L of CL

WATER SURFACE EL. none
GROUND WATER AT
COMPLETION dry
AFTER -- HOURS --

GROUND SURFACE EL. 749.6 M (Ft)

Depth	N/6"	Qu tsf	W %
	5 11 12	--	13
5	4 5 7	5.77 BS	17
	2 4 5	2.41 BS	18
10	3 4 3	--	8
	3 4 4	1.09 B	16
15	4 7 11	5.04 BS	13

Dark Brown Clay LOAM, A-6

Brown Silty Clay LOAM, A-6 746.6
Hard to Very Stiff

to Pinkish-Brown Clay LOAM

Yellow-Brown SAND (f-c) and 742.6
Gravel, A-2, dry
Slightly Dense

Pinkish-Brown Silty Clay LOAM, 740.1
A-6, Stiff

Brown SAND (f-c), little 737.6
Gravel,, A-2, wet, Slightly Dense

Pinkish-Brown Silty CLAY, 736.6
A-6, Hard

End of Boring @ 15' 734.6

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

CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DRAWN	-	M. LANGE
DESIGNED	-	M. LANGE
CHECKED	-	G. HATLESTAD
DATE	-	5/3/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
WALL B; IL RTE 31
SHEET NO. WB3 OF WB3 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	596
		CONTRACT NO. 60F72		
	ILLINOIS FED. AID PROJECT			