MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass | STRUCTURE Retaining Wall G, 056-2506 | DATE 7/19/10

ROUTE FAP 339/ILL 31 | BORED BY SPE

SECTION 96-00209-00-PV | STATION 176+80 to 177+80 | CHECKED BY WJW

COUNTY McHenry

BORING RW-135

STATION 177+86

OFFSET 19' L

WATER SURFACE EL. none

GROUND WATER AT COMPLETION dry

GROUND SURFACE EL. 881.4 M (Ft)

Depth	N/6"	Qu tsf	W %	
				Black Silty CLAY Topsoil
	3 5 5	3.13 BS	23	Brown and Dark Brown Silty CLAY, A-6: fill, very Stiff to Stiff (880.4)
	5 12 14	1.86 BS	24	Brown SAND & GRAVEL, A-1 medium dense (877.4)
5				
	9 11 12	--	5	
	15 16 16	--	9	
10				Brown Silt LOAM, A-4 (870.9)
	9 11 10	--	18	Brown SAND and GRAVEL A-1 very Dense to Dense (869.4)
	13 24 30	--	3	
15				
	14 17 19	--	3	
	16 18 17	--	4	
20				

Depth	N/6"	Qu tsf	W %	
				M (Ft)
				Brown SAND & GRAVEL, A-1 Dense to very Dense (861.4)
	16 19 26	--	4	
	14 22 33	--	3	
25				
	19 26 36	--	4	numerous Cobbles possible Boulders
	15 22 38	--	5	
30				End of Boring @ 30' (851.4)

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

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass | STRUCTURE Retaining Wall G, 056-2506 | DATE 7/19/10

ROUTE FAP 339/ILL 31 | BORED BY SPE

SECTION 96-00209-00-PV | STATION 176+80 to 177+80 | CHECKED BY WJW

COUNTY McHenry

BORING RW-136

STATION 177+07

OFFSET 55' L

WATER SURFACE EL. none

GROUND WATER AT COMPLETION dry

GROUND SURFACE EL. 871.9 M (Ft)

Depth	N/6"	Qu tsf	W %	
	2 4 5	--	11	Dark Brown Clay LOAM, A-6: fill, slightly Dense
	4 5 5	--	17	Black Clay LOAM, A-6 to A-7-6: fill, slightly to medium Dense (868.4)
5				
	3 4 5	--	26	Yellow-Brown Sandy LOAM, A-4: fill, slightly Dense (865.4)
	3 4 4	--	19	
10				
	6 17 40	--	10	Brown Gravel LOAM, some Sand, A-4: possible fill, very Dense (861.9)
	6 44 10	--	15	few Cobbles possible Boulders
15				
	6 15 25	--	8	
	17 21 25	--	20	
20				

Depth	N/6"	Qu tsf	W %	
				M (Ft)
				Brown SAND and GRAVEL, A-1 Dense to very Dense (851.9)
	16 16 26	--	4	
	32 30 21	--	4	
25				
	50/0"	--	NR	Cobble or Boulder at 26'
	26 28 38	--	4	
30				End of Boring @ 30' (841.9)

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
WALL G; IL RTE 31
STRUCTURE NO. 056-2506
SHEET NO. WG5 OF WG5 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	639
		CONTRACT NO. 60F72		
	ILLINOIS	FED. AID PROJECT		