

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURE FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass STRUCTURE Retaining Wall I DATE 7/13/10
 ROUTE FAP 339/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 211+30 to 212+25 CHECKED BY WJW

COUNTY <u>McHenry</u>				WATER SURFACE EL. <u>27.0</u>			
BORING <u>RW-137</u>				GROUND WATER AT COMPLETION <u>26.5</u>			
STATION <u>212+30</u>				DEPTH N/6" Qu tsf W %			
OFFSET <u>15' R</u>				DEPTH N/6" Qu tsf W %			
GROUND SURFACE EL. <u>780.5</u> M (Ft)				M (Ft)			
Dark Brown Silty CLAY				780.5			
Reddish Brown CLAY LOAM, A-6: very Stiff to Hard				9 14 7.97 10			
3 3 2.29 13				5 10 3.03 11			
4 8 3.88 13				6 11 5.20 11			
5 10 3.88 12				7 14 6.84 12			
Brown- Grey				8 11 5.20 11			
6 7 4.90 12				9 14 6.84 12			
7 11 4.90 12				10 18 3.31 10			
8 7 3.45 12				ST 3.31 10			
9 11 6.80 9				17 17 3.31 10			
10 17 6.80 9				ST 3.31 10			
11 17 6.80 9				ST 3.31 10			
12 17 6.80 9				ST 3.31 10			
13 17 6.80 9				ST 3.31 10			
14 17 6.80 9				ST 3.31 10			
15 17 6.80 9				ST 3.31 10			
16 17 6.80 9				ST 3.31 10			
17 17 6.80 9				ST 3.31 10			
18 17 6.80 9				ST 3.31 10			
19 17 6.80 9				ST 3.31 10			
20 17 6.80 9				ST 3.31 10			

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 I DATE 7/13/10
 ROUTE FAP 339/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 211+30 to 212+25 CHECKED BY WJW

COUNTY <u>McHenry</u>				WATER SURFACE EL. <u>28.0</u>			
BORING <u>RW-138</u>				GROUND WATER AT COMPLETION <u>27.8</u>			
STATION <u>211+29</u>				DEPTH N/6" Qu tsf W %			
OFFSET <u>14' R</u>				DEPTH N/6" Qu tsf W %			
GROUND SURFACE EL. <u>788.1</u> M (Ft)				M (Ft)			
Black Silty CLAY, Top Soil				788.1			
Grey Crushed Limestone				787.6			
Dark Brown and Red Brown Silty CLAY mixed w/ Crushed Limestone Fill				5 4 7 7			
6 4 7 7				5 4 7 7			
7 4 7 7				5 4 7 7			
8 4 7 7				5 4 7 7			
9 4 7 7				5 4 7 7			
10 4 7 7				5 4 7 7			
11 4 7 7				5 4 7 7			
12 4 7 7				5 4 7 7			
13 4 7 7				5 4 7 7			
14 4 7 7				5 4 7 7			
15 4 7 7				5 4 7 7			
16 4 7 7				5 4 7 7			
17 4 7 7				5 4 7 7			
18 4 7 7				5 4 7 7			
19 4 7 7				5 4 7 7			
20 4 7 7				5 4 7 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.

BORING LOG

SHEET 1 OF 1

PROJECT Algonquin Bypass Mainline - Huntington Road DATE 2/25/09
 ROUTE FAP 339/ILL 31 BORED BY SPE
 SECTION 96-00209-00-PV STATION 209+00 to 220+00 CHECKED BY WJW

COUNTY <u>McHenry</u>				WATER LEVEL DURING DRILLING <u>none</u>			
BORING <u>B-53</u>				GROUND WATER AT COMPLETION <u>dry</u>			
STATION <u>212+00</u>				DEPTH N/6" Qu tsf W %			
OFFSET <u>23' R of CL</u>				DEPTH N/6" Qu tsf W %			
GROUND SURFACE EL. <u>782.5</u> Ft				Ft			
±3" Black Silty CLAY/TOPSOIL				782.5			
Brown Silty Clay LOAM, A-6: FILL				4 5 3.25 17			
5 7 3.25 17				6 9 7.37 11			
6 9 7.37 11				7 11 10.86 9			
7 11 10.86 9				8 13 5.46 11			
8 13 5.46 11				9 15 3.30 11			
9 15 3.30 11				10 18 3.30 11			
10 18 3.30 11				11 19 3.30 11			
11 19 3.30 11				12 19 3.30 11			
12 19 3.30 11				13 19 3.30 11			
13 19 3.30 11				14 19 3.30 11			
14 19 3.30 11				15 19 3.30 11			
15 19 3.30 11				16 19 3.30 11			
16 19 3.30 11				17 19 3.30 11			
17 19 3.30 11				18 19 3.30 11			
18 19 3.30 11				19 19 3.30 11			
19 19 3.30 11				20 19 3.30 11			

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

4/26/2012 4:26:42 PM I:\2154\cad\sheet\Roadway\20-STRUCTURES & WALLS\4-Wall\W-60F72-05-RL.dgn



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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS
 WALL I; HUNTINGTON DRIVE

SHEET NO. W15 OF W15 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	649
CONTRACT NO. 60F72				
ILLINOIS FED. AID PROJECT				