

PAGE 1 of 1

SOIL BORING LOG

DATE April 12, 2007

LOGGED BY RJ

GSI JOB No. 06119

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 255-1256

ROUTE F.A.P. 335 (IL Route 60) DESCRIPTION Illinois Route 60 Bridge Widening and Reconstruction over I-94

SECTION 119R-2 LOCATION T43N R11E 01NW-T43N R11E 02NE, Vernon Township

COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Auto Hammer

STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86

BORING NO. P-1
Station 451+38
Offset 44' Left
Ground Surface Elev. 704.0

DEPTH (ft)	BLOW COUNT (blows)	U.C.S. (tsf)	M.O.I.S.T. (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After _____ Hrs.
0				n/a	n/a				
25									
7									
10									
6									
3	NP	6							
CLAY-brown & gray-stiff to hard (A-6) Fill									
780.5									
4			114						
4									
-5	4	2.6B	17						
678.0									
4			114						
6									
6	3.7B	18							
End Of Boring @ -26.0' Hollow Stem Augers CME-75 Automatic Hammer									
6			119						
-10	7	4.9B	15						
7									
7									
10									
12	6.0+P	16							
4			113						
4									
8									
8	1.4B	18							
1			120						
-15	2								
4									
9	4.9B	14							
8			118						
9									
12									
14	3.8B	16							
4			112						
6									
9									
-20	11	2.8B	19						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Auto Hammer

STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86

BORING NO. P-2
Station 451+35
Offset Baseline
Ground Surface Elev. 705.0

DEPTH (ft)	BLOW COUNT (blows)	U.C.S. (tsf)	M.O.I.S.T. (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After _____ Hrs.
0				n/a	n/a				
25									
7									
10									
6									
3	NP	11							
780.5									
4			111						
4									
-5	8	3.7B	19						
678.0									
4			111						
6									
6	3.7B	19							
Auger Refusal @ -20.0' Concrete Obstruction End Of Boring Hollow Stem Augers CME-75 Automatic Hammer									
6			114						
-10	12	6.7B	17						
4			119						
5									
7									
10	1.5B	15							
1									
3									
8									
12	6.0+P	19							
4									
-15	8								
12									
12	6.0+P	16							
7			117						
9									
14									
14	5.2B	15							
6			113						
6									
12									
-20	16	2.2B	18						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery