F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	119R-2	LAKE	439	287
STA. 432+83.12		TO STA. 470+56.84		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

60B01

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Ambert Circle, Suite 204
Naperville, Illinois 60565
(630) 355-2338

SOIL BORING LOG

PAGE 1 of 3
DATE September 7-8, 2006
LOGGED BY RJ
GSI JOB No. 06119

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 D-50 Auto Hammer
STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86
BORING NO. BR-1
Station: 443+90
Offset: 195.5' Left
Ground Surface Elev. 691.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 674.3
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-dark brown to black 690.3			
	6		
	6		
	14	6.0+P	22
CLAY-brown & gray-hard (A-6)			
	4		
-5	6 10	-	20
	3		
	5		
	9	6.0+P	17
	2		
-10	6 13	6.0+P	18
680.3			
SILTY LOAM-brown & gray-medium dense (A-4)	6		
	11		
678.3	14	NP	21
CLAY LOAM-gray-very stiff (A-6)	5		
	7		
-15	11	2.5P	9
675.3			
SILT-brown & gray-medium dense (A-4) ▼	4		
	8		
673.3	12	NP	19
SANDY LOAM-gray-medium dense (A-2-4)	5		
	8		
-20	16	NP	12

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	3		
	3		
	7	NP	15
	3		
-25	7 9	NP	14
663.3			
	4		
	5		
	9	NP	12
	5		110
-30	6 11	1.75B	20
CLAY-gray-stiff to very stiff (A-6)			
	5		119
	7		
-35	12	2.3B	16
	4		
	3		
-40	4 15	3.25P	16

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 (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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SOIL BORING LOG

PAGE 2 of 3
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STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86
BORING NO. BR-1
Station: 443+90
Offset: 195.5' Left
Ground Surface Elev. 691.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 674.3
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)			
	6		
-45	8	1.5P	16
	5		125
	10		
-50	17	2.7B	20
	6		114
	9		
-55	13	3.3B	18
	6		125
	9		
-60	16	2.8B	13

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)			
	8		
	11		
-65	16	3.25P	13
624.3			
	25		
	24		
-70	27	2.25P	17
	25		
	26		
-75	33	6.0+P	9
	7		125
	17		
-80	35	5.8B	13

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 (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SHEET S-40 OF S-53

TYLIN INTERNATIONAL

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS - I
ILLINOIS 60 OVER I-94
F.A.P. RTE. 335 SECTION 119R-2
LAKE COUNTY STA. 445+54.14
S.N. 049-2012 ISTHA BRIDGE NO. 407
DESIGNED BY: SNB
SCALE: DRAWN BY: SNB
DATE: MAY 8, 2007 CHECKED BY: SP

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