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 Aurora Court, Route 284
Naperville, Illinois 60565
(630) 355-2936

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.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-dark brown to black	690.3				
CLAY-brown & gray-hard (A-6)			6 6 14	6.0+P	22
			4 6 10	-	20
		-5	3 5 9	6.0+P	17
		-10	2 6 13	6.0+P	18
SILTY LOAM-brown & gray-medium dense (A-4)	680.3		6 11 14	NP	21
CLAY LOAM-gray-very stiff (A-6)	678.3	-15	5 7 11	2.5P	9
SILT-brown & gray-medium dense (A-4) ▼	675.3		4 8 12	NP	19
SANDY LOAM-gray-medium dense (A-2-4)	673.3	-20	5 8 16	NP	12
SANDY LOAM-gray-medium dense (A-2-4)			3 4 7	NP	15
			3 3 7	NP	14
		-25	4 5 9	NP	12
CLAY-gray-stiff to very stiff (A-6)	663.3		5 6 11	1.75B	20
		-30	5 9		110
		-35	5 7 12	2.3B	16
		-40	3 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

Geo Services Inc.
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SOIL BORING LOG

PAGE 2 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.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-gray-stiff to very stiff (A-6)			6 7 8	1.5P	16
		-45	5 10 17	2.7B	20
		-50	6 9 13	3.3B	18
		-55	6 9 13	2.8B	13
CLAY-gray-stiff to very stiff (A-6)			8 11 16	3.25P	13
	624.3	-65	25 24 27	2.25P	17
		-70	25 26 33	6.0+P	9
CLAY to CLAY LOAM-gray-hard (A-6)		-75	7 17 35	5.8B	13
		-80			

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

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

SCALE:
DATE: MAY 8, 2007
DESIGNED BY: SNB
DRAWN BY: SNB
CHECKED BY: SP

TY·LIN INTERNATIONAL

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