F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	119R-2	LAKE	439	289
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
825 Ambriel Drive, Suite 204
Naperville, Illinois 60565
(630) 355-2936

SOIL BORING LOG

PAGE 2 of 2
DATE September 6-7, 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 0INW-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-2
Station: 447+01
Offset: 167' Left
Ground Surface Elev. 690.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 681.1
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Fine SAND-gray- medium dense (A-3)	628.1				
CLAY-gray- stiff to very stiff (A-6)			4		113
			7		
		-45	12	2.7B	18
CLAY-gray- stiff to hard (A-6)					
			4		115
			7		
		-50	12	3.9B	17
			5		120
			6		
		-55	50/2"	1.8B	15
Note: Possible cobbles/boulders					
Fine SAND-gray- medium dense (A-3)	633.1				
			7		
			9		
		-60	6	NP	20

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			5		124
			10		
		-65	11	4.0P	14
			15		
			23		
		-70	39	6.0+P	10
			18		
			25		
		-75	50/5"	-	15
End Of Boring @ -80.0' Hollow Stem Augers D-50 Automatic Hammer	610.1	-80	7		
			11		
			23	6.0+P	11

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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825 Ambriel Drive, Suite 204
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(630) 355-2936

SOIL BORING LOG

PAGE 1 of 2
DATE August 21, 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 0INW-T43N R11E 02NE, Vernon Township
COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. SN-049-2012
Station 432+83.16 to 470+54.86
BORING NO. BR-3
Station: 445+23
Offset: 160.5' Right
Ground Surface Elev. 690.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 670.0
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8.0" ASPHALT	689.3				
SAND & GRAVEL-brown medium dense (Fill)			9		
			11		
	687.5		4	NP	5
CLAY-brown & gray- very stiff to hard (A-6)			4		113
			5		
		-5	5	4.0B	18
			2		
			5		
			6	2.25P	17
			2		
			2		
		-10	3	-	20
			2		114
			5		
			7	3.6B	17
	677.0				
			3		116
			8		
CLAY-gray-stiff to hard (A-6)		-15	12	4.0B	16
			3		122
			6		
			10	4.9B	16
			3		117
			6		
		-20	8	2.7B	17

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			3		122
			5		
			7	1.7B	20
CLAY-gray-stiff to hard (A-6)			2		119
			4		
		-25	7	2.1B	20
			2		
			4		
			6	1.0P	20
			2		117
			3		
		-30	6	1.7P	19
			4		120
			7		
		-35	9	2.1P	22
	653.0				
SILTY LOAM-gray- medium dense (A-4)			3		
			5		
		-40	8	NP	15

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-42 OF S-53

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS - III
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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