F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	119R-2	LAKE	439	290
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 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 2 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 01NW-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	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY LOAM-gray-medium dense (A-4)				
648.0				
CLAY-gray-stiff to very stiff (A-6)		5		119
		7		
	-45	11	1.98	19
		5		121
		7		
	-50	11	1.58	20
		6		
		11		
	-55	17	2.75P	13
633.0				
SILTY LOAM-gray-dense to very dense (A-4)		6		
		9		
	-60	37		NR

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY LOAM-gray-dense to very dense (A-4)		4		
		19		
	-65	17	NP	14
		33		
Note: Possible cobbles/boulders		50		
	-70	50/5"	NP	15
618.0				
CLAY-gray-hard (A-6)		17		
		31		
	-75	32	6.0+P	11
End Of Boring @ -80.0'		14		
Hollow Stem Augers to -20.0'		20		
Rotary Drilling to Completion				
CME-75 Automatic Hammer 610.0	-80	33	6.0+P	12

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-43 OF S-53

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS - IV
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

TYLIN INTERNATIONAL

p:\602458(11-60)\structur\final\L60borBR_sht4.DGN
05/03/2007 04:31:01 PM