STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurelius Court, Suite 204
Naperville, Illinois 60565
630-355-7878

PAGE 1 of 2
DATE 7/13-14/2010
LOGGED BY RJ
GSI JOB No. 10098

ROUTE F.A.I. RTE. 55
DESCRIPTION Central Avenue Over Interstate 55 Ramp Reconstruction
SECTION 9(H, HB & SB)R-1
LOCATION SEC. 4 & 5, TWP. 38 N., RNG. 13 E., 3rd P.M., Stickney Township
COUNTY Cook
DRILLING METHOD Hollow Stem Auger/Rotary
HAMMER TYPE CME Automatic

STRUCT. NO. 016-1304
Station 195+01 to 197+40
BORING NO. RW-05
Station 197+26
Offset 38.5' Left
Ground Surface Elev. 598.8

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" ASPHALT, 8.0" CONCRETE, 3.0" CRUSHED STONE	597.4		9		
			4 / 4	4.5+P	17
			4		
			5 / 7	1.75P	20
CLAY to CLAY LOAM-brown & gray-medium stiff to hard (A-6) Fill		-5			
			5		99
			4 / 4	1.2B	24
			2		
			3 / 5	0.5P	26
		-10			
			5		
			6 / 7	1.5P	21
	585.8				
			3		103
			4 / 7	3.0B	20
CLAY-brown & gray-stiff to very stiff (A-6)		-15			
			6		109
			5 / 5	1.6B	20
	580.8				
			2		
CLAY to CLAY LOAM-gray-stiff to hard (A-6)					
			4 / 5		NR
		-20			

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY to CLAY LOAM-gray-stiff to hard (A-6)				
		4 / 7	1.9B	22
	-25			
		4		99
		5 / 5	1.6B	26
		3		99
		4 / 5	1.6B	26
	-30			
		3		117
		5 / 7	1.1B	16
	-35			
		8		113
		14 / 19	6.0B	17
	-40			

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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COUNTY Cook
DRILLING METHOD Hollow Stem Auger/Rotary
HAMMER TYPE CME Automatic

STRUCT. NO. 016-1304
Station 195+01 to 197+40
BORING NO. RW-05
Station 197+26
Offset 38.5' Left
Ground Surface Elev. 598.8

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY to CLAY LOAM-gray-stiff to hard (A-6)					
			12		113
		-45	12 / 15	3.1B	18
CLAY to CLAY LOAM-gray-stiff to hard (A-6)					
	531.8				
			6		109
		-50	8 / 15	3.7B	18
			10		102
		-55	11 / 12	2.4B	23
			12		128
		-60	16 / 21	4.7B	12

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY to CLAY LOAM-gray-stiff to hard (A-6)					
			18		124
		-65	23 / 30	5.9B	13
SILTY CLAY-gray-stiff (A-6) Wet					
			18		101
	528.8	-70	22 / 31	1.8B	25
End Of Boring @ -70.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer					
		-75			
		-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

BORING LOGS 3
STRUCTURE NO. 016-1304

TY·LIN INTERNATIONAL

DESIGNED	-
CHECKED	- AMD.
DRAWN	-
CHECKED	- AMD.
DATE	- 03/25/2011

REVISIONS	
NAME	DATE

SHEET NO. 10
10 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	0711.2R & 1011.1BR	COOK	741	573
		CONTRACT NO. 60999		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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4/28/2011