STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurora Court, Suite 204
Naperville, Illinois 60565
630/961-1838

SOIL BORING LOG

PAGE 1 of 1
DATE 7/9/2010
LOGGED BY DR
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. 016-1307
Station 402+64 to 404+99
BORING NO. RW-22
Station 404+97
Offset 54.8' Left
Ground Surface Elev. 602.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 594.0
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Clayey SAND, STONE & BRICK with Asphalt-dense (Fill)	596.6		AS / 9	NP	5
			14 / 22	NP	8
			24		
		-5	22 / 9	NP	13
CLAY LOAM-brown & gray-medium dense (Fill)	▼ 594.1		4 / 7 / 9	–	18
SANDY LOAM with Organics-black-very loose to loose (A-2)	591.6		2 / 1		
		-10	1	NP	40
SILTY LOAM-brown & gray-very loose (A-4)	589.1		1 / 1 / 1	NP	18
CLAY-brown & gray-medium stiff (A-6/A-7) Wet			5 / 4		
		-15	4		NR
			1		86
			1 / 3	0.7B	35
CLAY-gray-stiff to very stiff (A-6)	584.1		2		106
		-20	3 / 4	1.6B	22
CLAY-gray-stiff to very stiff (A-6)					
			2		
			4 / 6	ST 2.0P	21
			2		106
		-25	4 / 6	1.9B	22
			3		111
			5 / 7	1.9B	19
			3		104
		-30	4 / 6	0.9B	23
SILTY CLAY-gray-medium stiff (A-6) Wet	570.1				
			3		92
	567.1	-35	4 / 4	0.6B	31
End Of Boring @ -35.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer		-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

BORING LOGS 4
STRUCTURE NO. 016-1307

T·Y·LIN INTERNATIONAL

DESIGNED -	REVISIONS		
CHECKED - AMD,	NAME	DATE	
DRAWN -			
CHECKED - AMD,			
DATE - 03/25/2011			

SHEET NO. 11
11 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	0711.2R & 1011.1BR	COOK	741	603
		CONTRACT NO. 60999		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

p:\01345\structur\C2 Central Ave.016-0724\55-4br-4.dgn 1:30:05 PM
4/28/2011