STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurora Court, Suite 204
Naperville, Illinois 60565
(630) 355-9837

SOIL BORING LOG

PAGE 1 of 1
DATE 7/2/2010
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. 016-1305
Station 395+26 to 397+65
BORING NO. RW-07
Station 395+37
Offset 51.5' Left
Ground Surface Elev. 598.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 593.8 ▼
Upon Completion n/a ▽
After ___ Hrs. ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" GRAVEL, STONE & BRICK (Fill)	598.3				
CLAY LOAM with Cinders- brown & gray-hard (Fill)	598.8		AS 12	NP	8
Silty SAND, CINDERS & STONE- dark brown & gray-loose (Fill)	▼593.8	-5	7 7 4	4.5+P	17
CLAY-brown & gray- stiff to very stiff (A-6)	583.3	-10	4 3 4	-	26
CLAY-gray- medium stiff to stiff (A-6)		-15	3 5 6	1.5B	107
		-20	2 4 4	0.9B	104
		-25	3 5 5	2.0B	106
		-30	2 3 5	2.8B	100
		-35	2 3 6	2.8B	96
		-40	3 3 7	2.8B	106
CLAY-medium stiff to stiff (A-6)	578.3		0 0 0	<0.25P	28
CLAY-gray-very soft (A-6) Wet	575.8	-25	ST	1.0P	22
CLAY-gray-stiff (A-6)	566.8	-30	3 4 7	1.3B	101
SILTY CLAY-gray-soft (A-6)	563.8	-35	4 5 7	1.3B	103
End Of Boring @ -35.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer			5 5 7	0.4B	114

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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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. 016-1305
Station 395+26 to 397+65
BORING NO. RW-08
Station 395+88
Offset 48.5' Left
Ground Surface Elev. 598.1

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 (%)
18.0" GRAVEL, STONE & BRICK (Fill)	596.6		AS 8	NP	10
SILTY CLAY-dark brown & gray- medium stiff to stiff (A-6) Wet	590.1	-5	7 6 2	-	31
CLAY-brown & gray- stiff to very stiff (A-6)	582.6	-10	2 2 3	0.6B	94
		-15	2 3 3	1.1B	88
		-20	2 3 3	1.8B	105
		-25	3 3 4	1.3B	98
		-30	2 3 5	2.7B	106
		-35	3 5 6	2.7B	104
		-40	3 3 4	1.25B	23
CLAY-gray-stiff (A-6)			4 5 7	2.7B	110
		-25	5 5 6	1.8B	105
		-30	3 5 6	1.3B	99
		-35	5 6 9	1.25B	25
		-40	6 9	1.4B	118
SILTY CLAY-gray-stiff (A-6)	566.1		6 9	1.4B	16
End Of Boring @ -35.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
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NR-No Recovery

BORING LOGS 1
STRUCTURE NO. 016-1305

TY·LIN INTERNATIONAL

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

SHEET NO. 8
10 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	0711.2R & 1011.1BR	COOK	741	581
		CONTRACT NO. 60999		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

4/28/2011
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