Geo Services, Inc
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 7/8/2010
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. 016-1307
Station 402+64 to 404+99
BORING NO. RW-20
Station 403+89
Offset 57.5' Left
Ground Surface Elev. 600.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 592.5 ▼
Upon Completion n/a ▽
After ____ Hrs. ____

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRUSHED STONE & ASPHALT–dense (Fill)			AS	NP	8
			11		
	598.5		17		
SILTY CLAY with Cinders–brown & gray–medium stiff to very stiff (Fill)			22	NP	8
			5		101
			8		
		-5	8	3.25B	18
			4		82
			4		
			5	0.7B	33
	▼592.5				
SANDY LOAM–brown–very loose (A-2)			1		
			1		
		-10	2	NP	20
	590.0				
CLAY–brown & gray–soft to medium stiff (A-6)			7		
			8		
			6		NR
			4		90
			4		
		-15	7	0.4B	24
			2		121
			4		
			4	0.8B	15
	582.5				
CLAY–gray–stiff (A-6)			3		108
			4		
		-20	7	1.9B	21
CLAY–gray–stiff (A-6)			5		108
			5		
			6	1.8B	21
		-25	ST	1.75P	20
			3		109
			7		
			9	1.4B	20
			3		102
			4		
		-30	7	1.6B	24
			2		117
			4		
	565.5	-35	7	1.4B	16
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

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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-21
Station 404+44
Offset 56.5' Left
Ground Surface Elev. 601.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 594.2 ▼
Upon Completion n/a ▽
After ____ Hrs. ____

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey SAND, STONE & BRICK–dense (Fill)			AS	NP	13
			13		
			33		
			14	NP	9
	598.2				
CLAY–brown & gray–hard (A-6) Fill			6		
			8		
		-5	9	4.5+P	16
	595.7				
CINDERS, SAND & STONE–dark gray–medium dense (Fill) ▼			10		
			7		
			4	–	29
	593.2				
SANDY LOAM–black–very loose (A-2)			1		
			1		
		-10	1	NP	38
	590.7				
SILTY LOAM–brown & gray–medium dense (A-4)			3		
			5		
			5	NP	20
	588.2				
CLAY–brown & gray–very stiff (A-6)			3		103
			5		
		-15	6	2.75B	24
			3		102
			3		
			5	3.0B	24
	583.2				
CLAY–gray–medium stiff to very stiff (A-6)		-20	ST	1.75P	20
CLAY–gray–medium stiff to very stiff (A-6)			2		115
			4		
			5	1.6B	17
			2		108
			4		
		-25	6	2.3B	21
			3		117
			6		
			6	1.4B	16
			2		98
			3		
		-30	4	1.4B	27
	569.2				
CLAY LOAM–gray–stiff (A-6)			3		116
			5		
	566.2	-35	6	1.8B	17
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 3
STRUCTURE NO. 016-1307