

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

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-03
Station 196+24
Offset 38.0' Left
Ground Surface Elev. 598.4

Description	Elev.	D (ft)	B (6")	U (tsf)	M (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	D (ft)	B (6")	U (tsf)	M (%)	
																TS
6.0" ASPHALT, 8.0" CONCRETE, 3.0" CRUSHED STONE	597.0		4		108	n/a	n/a									
CLAY-brown & gray- very stiff (A-6) Fill	595.4		3	3.0B	18											
CLAY LOAM with Cinders- black-loose (Fill)	592.9		5		103											
SILTY CLAY-dark brown & gray- stiff (A-6) Wet	590.4		2	1.4B	28											
SILTY CLAY-gray-soft (A-6) Wet	585.4		2	1.0P	28											
			4		106											
			4	1.5P	22											
			2		105											
			6		118											
			-15	2.0B	22											
CLAY-gray-stiff to very stiff (A-6)	563.4		-35	1.25B	16											
End Of Boring @ -35.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer																
			5		107											
			7													
			9	2.4B	21											
			3		106											
			3													
			-20	1.6B	22											

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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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-04
Station 196+76
Offset 38.5' Left
Ground Surface Elev. 598.6

Description	Elev.	D (ft)	B (6")	U (tsf)	M (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	D (ft)	B (6")	U (tsf)	M (%)	
																TS
6.0" ASPHALT, 8.0" CONCRETE, 3.0" CRUSHED STONE	597.2		6		96	n/a	n/a									
SILTY CLAY-brown & gray- very stiff (A-6) Fill	595.6		4	1.3B	18											
SANDY CLAY LOAM with Cinders- dark gray & black-medium dense (Fill)	593.1		5		95											
			-5		20											
			2		84											
CLAY to CLAY LOAM-brown & gray- soft to medium stiff (A-6) Fill, Wet	588.1		1	0.4B	25											
			1		91											
			-10	0.5B	27											
SILTY LOAM-gray-loose (A-4)	585.6		3		21											
			4	NP												
			3		101											
			4													
			-15	1.75P	23											
CLAY-brown & gray-stiff (A-6)	563.6		-35	2.0B	15											
End Of Boring @ -35.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer																
			4													
			6													
			8	1.5P	32											
			-20	ST 2.25P	19											

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 2
STRUCTURE NO. 016-1304**

TYLIN INTERNATIONAL	DESIGNED -	REVISIONS		SHEET NO. 9 10 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - AMD,	NAME	DATE		55	0711.2R & 1011.1BR	COOK	741	572	
	DRAWN -				CONTRACT NO. 60999					
	CHECKED - AMD, DATE - 03/25/2011				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

4/28/2011 1:29:29 PM p:\01345\structure\02 Central Ave. 016-0724\55-1br2.dgn