

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAGE 1 of 1
DATE 7/9/2010
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. 016-1305
Station 395+26 to 397+65
BORING NO. RW-09
Station 396+39
Offset 47.5' Left
Ground Surface Elev. 598.1

Description	Elev. (ft)	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 (%)
10.0" GRAVEL, STONE & BRICK (Fill)	597.3		AS	NP	10	n/a	n/a								
CLAY LOAM with Cinders & Brick-brown & gray-hard (Fill)	595.1		8									4			
			8									7			
			8	4.5+P	16							8	1.0P	30	
SILTY CLAY-dark brown & gray-soft (A-6) Wet	590.1		2									4			
			2									6			
			-5	3	NR							-25	8	1.0P	29
			1									2			104
			1									4			
			2	0.25P	32							6	1.1B	23	
CLAY-brown & gray-stiff to very stiff (A-6)	582.6		3		107										
			4												
			-10	7	3.5B	22						-30	ST	1.75P	16
			3		96										
			3												
			3	1.0B	27										
SILTY CLAY-gray-stiff (A-6) Wet	566.1		3		103							4			99
			4									5			
			-15	6	2.1B	23						-35	7	1.0B	26
CLAY-gray-stiff (A-6)	563.1		3		108										
			3												
			6	1.8B	21										
			3		108										
			4												
			-20	6	1.5B	21						-40			

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
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

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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. 016-1305
Station 395+26 to 397+65
BORING NO. RW-10
Station 396+80
Offset 48.9' Left
Ground Surface Elev. 598.6

Description	Elev. (ft)	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 (%)
18.0" CRUSHED STONE (Fill)	597.1		AS	NP	4	n/a	n/a								
CRUSHED STONE & CLAY-medium dense (Fill)	595.6		9									2			110
			9									4			
			10	NP	9							6	2.2B	20	
CLAY-gray-medium stiff to stiff (A-6)	593.1		1									3			108
			2									6			
			-5	3	3.5P	21						-25	6	2.75B	21
SANDY LOAM-dark brown & black-loose (A-2)	591.1		2									2			103
			2									3			
			3	NP	23							3	0.6B	24	
CLAY-brown & gray-stiff to very stiff (A-6)	570.6		2		106							3			117
			3									5			
			-10	4	2.5B	22						-30	7	1.0P	16
CLAY LOAM-gray-stiff (A-6)	563.6		ST	2.0P	25										
			3		106							3			116
			4									5			
			-15	6	2.6B	22						-35	8	1.4B	17
CLAY-gray-medium stiff to stiff (A-6)	563.1		3		104										
			5												
			6	0.5B	23										
			3		106										
			4												
			-20	6	1.1B	22						-40			

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
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. 016-1305

TYLIN INTERNATIONAL	DESIGNED -	REVISIONS		SHEET NO. 9	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - AMD,	NAME	DATE		55	0711.2R & 1011.1BR	COOK	741	582	
	DRAWN -				CONTRACT NO. 60999					
	CHECKED - AMD,				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
	DATE - 03/25/2011									

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