

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAGE 1 of 1  
DATE 7/12/2010  
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-01  
Station 195+15  
Offset 38.0' Left  
Ground Surface Elev. 598.0

D E P T H (ft)	B L O W S (6")	U C S Q u (tsf)	M O S T (%)	Surface Water Elev.				Stream Bed Elev.				Groundwater Elevation:							
				ft	6"	tsf	%	ft	6"	tsf	%	ft	6"	tsf	%				
6.0" ASPHALT, 8.0" CONCRETE, 3.0" CRUSHED STONE				596.6	7		98												
	4																		
	6	3.5B	17																
	7		95																
	4																		
	-5	4 2.5P	23																
CLAY LOAM-brown & gray- medium stiff to very stiff (A-6) Fill																			
	2		97																
	3																		
	4	1.5P	18																
	2		94																
	2																		
	-10	3 1.0B	26																
	3		101																
	3																		
	3	0.5P	24																
CLAY-brown & gray-very stiff (A-6)				585.0															
	2		102																
	4																		
	-15	7 2.7B	22																
SANDY CLAY LOAM-brown- medium dense (A-4A-6)				582.5															
	4		115																
	7																		
	8	0.5B	15																
CLAY-gray- medium stiff to very stiff (A-6)				580.0															
	2		105																
	4																		
	-20	7 1.5P	22																

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**

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-02  
Station 195+74  
Offset 38.0' Left  
Ground Surface Elev. 598.2

D E P T H (ft)	B L O W S (6")	U C S Q u (tsf)	M O S T (%)	Surface Water Elev.				Stream Bed Elev.				Groundwater Elevation:							
				ft	6"	tsf	%	ft	6"	tsf	%	ft	6"	tsf	%				
6.0" ASPHALT, 8.0" CONCRETE, 3.0" CRUSHED STONE				596.8															
	5		95																
	6																		
	6	4.1B	15																
	10		19B	20															
	3		102																
	4		107																
	6																		
	-5	6 2.0B	19																
CLAY LOAM-dark brown & gray- medium stiff to hard (A-6) Fill																			
	2		101																
	2																		
	2		106																
	4	0.75P	20																
	2		106																
	2																		
	-10	3 0.5P	22																
	3		102																
	4																		
	5	0.8B	24																
CLAY-gray-stiff to very stiff (A-6)				585.2															
	3		107																
	6																		
	-15	10 3.0B	21																
CLAY-gray-stiff to very stiff (A-6)				563.2															
	3		107																
	4																		
	5	1.8B	21																
	3		104																
	4																		
	-20	5 1.6B	23																

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 1**  
**STRUCTURE NO. 016-1304**

<b>TYLIN INTERNATIONAL</b>	DESIGNED -	REVISIONS		SHEET NO. 8	F.A.I. RTE. 55	SECTION 0711.2R & 1011.1BR	COUNTY COOK	TOTAL SHEETS 741	SHEET NO. 571
	CHECKED - AMD,	NAME	DATE						
	DRAWN -								
	CHECKED - AMD,								
	DATE - 03/25/2011								
10 SHEETS					CONTRACT NO. 60999				
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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