

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAGE 1 of 1
DATE 7/2/2010
LOGGED BY RJ
GSI JOB No. 10098

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Westfield Court, Suite 204
Naperville, Illinois 60563
(630) 255-1100

SOIL BORING LOG

ROUTE F.A.I. RTE. 55 DESCRIPTION Central Avenue Over Interstate 55 Ramp Reconstruction
SECTION 9CH, HB & SBR-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-18
Station 402+89
Offset 60.0' Left
Ground Surface Elev. 599.4

Description	D E P T H (ft)	B L O W S (6")	U N I T S T F	M O I S T %	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	D E P T H (ft)	B L O W S (6")	U N I T S T F	M O I S T %
CRUSHED STONE & BRICK-dense (Fill)	10	AS	NP	4	597.4						3			108
	17										6			
	18	NP		9							7	2.3B		21
CLAY LOAM-dark gray-stiff (Fill)	6			97							4			108
	6				594.4						5			
	-5	6	1.6B	18							-25	7	2.2B	21
CLAY-gray-stiff to very stiff (A-6)														
CINDERS & SAND-dark brown & black-loose (Fill)	6										3			98
	3										4			
	2			45							7	1.1B		27
SILTY LOAM-brown & gray-very loose (A-4)	1										3			101
	1										5			
	-10	2	NP	21							-30	6	1.6B	25
CLAY-brown & gray-medium stiff to stiff (A-6)	2			95										
	3													
	4	1.3B		28										
	3			101							5			121
	5										7			
	-15	5	0.8B	25							564.4	-35	10	3.5B 15
CLAY-gray-stiff to very stiff (A-6)														
		ST	1.0P	16										
	3			107										
	5													
	-20	6	1.3B	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

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DATE 7/8/2010
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SOIL BORING LOG

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SECTION 9CH, HB & SBR-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-19
Station 403+39
Offset 59.5' Left
Ground Surface Elev. 600.2

Description	D E P T H (ft)	B L O W S (6")	U N I T S T F	M O I S T %	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.	D E P T H (ft)	B L O W S (6")	U N I T S T F	M O I S T %
CRUSHED STONE-dense (Fill)	21	AS	NP	6	597.7						5			110
	27										6			
	15	NP		5							10	1.9B		20
CLAY LOAM with Cinders & Stone-very stiff (Fill)	6			92							3			103
	8										5			
	-5	8	2.2B	22							-25	7	0.2B	23
SILTY CLAY-dark gray-loose (Fill) Wet	3			78							4			104
	3										6			
	3	0.5P		43							7	0.4B		23
SILTY LOAM-brown & gray-very loose (A-4)	1										1			
	1										5			
	-10	2	NP	22							-30	ST		22
SILTY CLAY-gray-stiff (A-6)	5			108										
	4													
	3	1.25B		21										
	3			99							4			100
	5										5			
	-15	7	1.5B	26							565.2	-35	5	0.4B 24
CLAY-gray-stiff (A-6)														
	3			108										
	5													
	6	1.5B		21										
	4													
	5													
	-20	8		26							-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. 016-1307

TYLIN INTERNATIONAL

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

SHEET NO. 9	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	0711.2R & 1011.1BR	COOK	741	601
11 SHEETS	CONTRACT NO. 60999				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

4/28/2011 1:30:23 PM p:\01345\structure\C2 Central Ave. 016-0724\155-4br2.dgn