Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 9/22/08

ROUTE FAI-57 (I-57) DESCRIPTION I-57 over FAS 317 and CNIC Railroad, 0.78 miles South of Clifton Interchange LOGGED BY LM

SECTION 38-2HVB LOCATION NW 1/4, SW 1/4, **SEC.** 10, **TWP.** 28N, **RNG.** 14W

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0013/14
Station 1037+61.38

BORING NO. 4 (S. Abut.)
Station 1040+35
Offset 5.00ft Lt.
Ground Surface Elev. 692.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 648.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Brown and Gray Silty Clay Loam/Silty Clay Till (Fill) with Gravel Pieces					
	690.10				
Hard Gray & Brown Silty Clay Loam/Silty Clay Till (Fill) -- Mainly Gray after 7.5' with Topsoil Mixed in at 27.5'			6		
			6 8	>4.5 P	15.8
		-5	6		
			4 5	4.0 P	18.5
			4		
			5 9	5.1 S	14.6
		-10	3		
			3 6	4.1 S	20.4
			4		
			4 6	5.0 S	15.3
		-15	4		
			5 6	4.5 S	14.5
			4		
			5 6	4.3 S	18.1
		-20			
Hard Gray & Brown Silty Clay Loam/Silty Clay Till (Fill) -- Mainly Gray after 7.5' with Topsoil Mixed in at 27.5' *(continued)*			4		
			5 6	4.1 S	18.8
			4		
			5 9	6.2 S	17.2
		-25	4		
			5 8	6.8 S	16.4
			5		
			7 9	5.8 S	17.4
		-30	5		
			6 8	5.7 S	16.2
	661.10				
Hard Black Silty Clay Loam Topsoil			6		
			9 14	6.0 S	21.5
	658.60				
Very Stiff Brown and Gray Silty Clay Loess		-35	4		
			5 6	3.9 S	20.6
	655.60				
Very Stiff Brown and Gray Silty Clay Loam Till with Free Water at 40'			3		
			4 5	2.7 B	22.9
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Stream Bed Elev. ft

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First Encounter ft
Upon Completion 648.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Brown and Gray Silty Clay Loam Till with Free Water at 40' *(continued)*			2		
			1 4	2.5 B	24.9
	650.60				
Hard Brown and Gray Silty Clay Till			6		
			9 11	5.2 S	18.3
	647.60	-45	4		
Very Stiff Gray Silty Clay Loam/Sitly Clay Till			5 7	3.1 S	18.6
			4		
			5 7	3.0 B	17.9
		-50	4		
			5 7	2.9 B	14.0
			4		
			4 6	3.0 B	16.3
		-55	2		
			4 6	3.1 B	18.5
			4		
			5 6	3.1 B	19.2
		-60			
Very Stiff Gray Silty Clay Loam/Sitly Clay Till *(continued)*			4		
			5 7	3.1 B	19.8
		-65	4		
			6 8	3.6 B	13.6
			5		
			6 7	3.4 B	16.2
	621.10				
End of Boring					
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

M:\I 57 OVER CNRR & OLD 45\Drawings\CADD Drawings\Structural\Final Plans\SHTS\D366942-069-sht-Soil Boring.dgn

TERRA ENGINEERING LTD.

USER NAME =	DESIGNED - EA	REVISED
	CHECKED - OY	REVISED
PLOT SCALE =	DRAWN - CM	REVISED
PLOT DATE =	CHECKED - JB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NOS. 038 – 0013 & 0014
SHEET NO. S69 OF S71 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HVB, HVBR-1	IROQUOIS	146	108
		CONTRACT NO. 66942		
	ILLINOIS	FED. AID PROJECT		