Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 9/2/08

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. 038-0014
Station 1037+61.38

BORING NO. 3 (Pier 2 S.B.)
Station 1036+60
Offset 60.00ft Rt.
Ground Surface Elev. 659.75 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black Silty Clay Loam Topsoil (Fill)					
	657.25				
Stiff Black, Brown, Gray, Silty Clay/Silty Clay Loam (Fill)			3		
			2	1.5	21.3
			3	P	
	655.25				
Very Stiff Brown and Gray Silty Clay Loam Till		-5	2		
			4	3.5	24.0
			3	P	
	652.75				
Hard Gray Silty Clay Loam/Silty Clay Till			4		
			4	4.7	15.7
			7	S	
		-10	4		
			5	4.7	16.4
			6	S	
			3		
			4	4.3	17.3
			6	S	
	645.25				
Very Stiff Gray Silty Clay/Clay Till		-15	3		
			3	3.7	17.9
			4	B	
			3		
			4	3.7	19.3
			4	B	
		-20			
Very Stiff Gray Silty Clay/Clay Till *(continued)*			4		
			3	3.2	20.9
			4	B	
			3		
			3	3.2	19.4
			4	B	
	634.75	-25			
Very Stiff Gray Sandy Clay Loam/Sandy Loam Till with Pockets Fine/Coarse Sand and Pockets Silty Clay Till			3		
			4	2.5	13.2
			5	B	
			5		
			6	3.4	11.6
			7	S	
		-30	5		
			7	3.6	11.8
			7	S	
	627.75				
Very Stiff Gray Silty Clay Loam Till with Layers and Pockets of Gray Silt/Clay and Silty Clay			3		
			5	2.3	14.0
			5	B	
		-35	3		
			4	2.3	18.3
			5	B	
			3		
			4	2.3	17.1
			5	B	
		-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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After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Silty Clay Loam Till with Layers and Pockets of Gray Silt/Clay and Silty Clay *(continued)*			2		
			4	2.3	16.8
			5	B	
	617.75				
Very Stiff Gray Clay Till with Layers Gray Clay/Silty Clay			2		
			5	2.5	18.9
			5	S	
		-45	2		
			5	2.7	16.9
			6	S	
			2		
			6	2.7	22.5
			6	S	
		-50	3		
			5	2.5	24.4
			7	S	
	607.75				
Hard Gray Silty Clay Loam/Clay Loam Till with Pockets of Gray Silt			4		
			6	4.3	16.9
			14	S	
		-55	5		
			9	4.7	12.7
			19	S	
	601.75				
Very Dense Tan Limestone	~~601.58~~		100/2"		
End of Boring					
		-60			

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