Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 9/24/08

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
Station 1037+61.38

BORING NO. 6 (Pier 2 N.B.)
Station 1037+83
Offset 69.00ft Lt.
Ground Surface Elev. 660.42 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), Brown/Gray Silty Clay Loess					
	657.92				
Very Stiff Brown and Gray Silty Loam with Layers of Silt, Sand and Fine Gravel			7		
			11	3.5	10.8
			14	P	
	655.92				
Hard Brown Silty Clay Loam Till		-5			
			4		
			6	4.7	17.5
			7	S	
	652.92				
Hard Gray Silty Clay Loam Till			5		
			5	4.5	18.1
			8	S	
		-10			
			4		
			5	4.5	18.4
			7	S	
	648.42				
Very Stiff Gray Silty Clay/Clay Till					
			4		
			4	3.1	19.5
			4	S	
		-15			
			3		
			4	2.7	20.2
			4	S	
			3		
			4	2.7	19.8
			5	S	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Silty Clay/Clay Till *(continued)*			3		
			4	2.7	20.0
			5	S	
			3		
			5	2.9	19.2
			6	S	
		-25			
			3		
			5	3.1	17.8
			7	S	
			3		
			5	2.9	18.6
			7	S	
		-30			
			3		
			5	2.9	18.5
			7	S	
			3		
			4	2.9	19.0
			7	S	
		-35			
			3		
			4	2.7	19.6
			6	S	
	623.42				
Very Stiff Gray Silty Clay Loam/Silty Clay Till			3		
			5	3.1	18.7
			7	S	
		-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/Silty Clay Till *(continued)*			3		
			6	3.1	13.7
			7	S	
	618.42				
Very Stiff Gray Clay/Silty Clay Till with Pockets of Gray Clay at 50'					
			3		
			4	2.9	18.5
			6	S	
		-45			
			3		
			4	2.7	23.0
			5	S	
			4		
			6	3.1	21.2
			6	S	
		-50			
			6		
			8	2.9	24.9
			12	S	
	608.42				
Very Stiff Gray Silty Loam/Loam with Layers of Gray Silt			5		
			6	2.4	18.7
			6	S	
		-55			
			6		
			6	2.5	15.2
			5	S	
			27		
	601.92		66		12.4
Dense Gray Limestone Surface with Silt Filled Fractures			(100/0")		
End of Boring		-60			

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

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