Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 9/23/08

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. 5 (N. Abut.)
Station 1035+65
Offset 6.00ft Rt.
Ground Surface Elev. 691.58 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 Brown and Gray Silty Clay Loam/Silty Clay Till (Fill)	689.08				
Hard Gray and Brown Silty Clay Loam/Silty Clay Till (Fill) with Some Gravel Pieces with Topsoil Mixed in at 27.5'			4		
			5	>4.5	15.9
			5	P	
		-5			
			3		
			4	4.3	16.7
			4	P	
			3		
			3	4.0	17.6
			4	P	
		-10			
			4		
			4	4.3	18.0
			5	S	
			4		
			5	5.4	16.2
			6	S	
		-15			
			3		
			4	5.1	17.1
			5	S	
			3		
			4	4.7	17.5
			5	S	
		-20			
Hard Gray and Brown Silty Clay Loam/Silty Clay Till (Fill) with Some Gravel Pieces with Topsoil Mixed in at 27.5' *(continued)*			3		
			5	5.2	17.7
			6	S	
			3		
			5	5.6	16.5
			8	S	
		-25			
			3		
			5	4.9	17.6
			6	S	
			4		
			6	5.2	18.3
			7	S	
		-30			
			4		
			6	5.4	18.8
			6	S	
	659.58				
Very Stiff Black Silty Clay Loam Topsoil			4		
			6	3.3	19.5
			10	S	
	657.08				
Very Stiff Brown, Gray Sandy Loam with Fine Sand Pockets and Free Water		-35			
			3		
			4	2.1	16.7
			5	B	
	654.08				
Hard Brown to Gray Silty Clay Loam Till			6		
			9	5.2	16.7
			9	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 (%)
Hard Brown to Gray Silty Clay Loam Till *(continued)*			7		
			10	6.1	19.6
			12	S	
	649.58				
Very Stiff Gray Silty Clay/Clay Till			3		
			4	2.7	20.7
			6	B	
		-45			
			3		
			4	3.1	17.0
			5	B	
		-50			
			3		
			5	3.1	19.3
			6	B	
		-55			
			3		
			6	3.3	12.7
			8	S	
		-60			
Very Stiff Gray Silty Clay/Clay Till *(continued)*			3		
			5	3.3	19.5
			7	S	
	627.58				
Very Stiff Gray Silty Loam and Silty Clay Loam Till with Silt Pockets		-65			
			6		
			12	3.9	16.5
			14	S	
	623.58				
Very Stiff Gray Silty Clay Till		-70			
			3		
			5	3.9	19.2
			7	S	
	620.08				
End of Boring		-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)

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