



# SOIL BORING LOG

Date 8/27/08

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.	Station	DEPTH	BLOW	UCS	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
038-0014	1037+61.38	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	ft
Augered Shoulder Stone, Black Silty Clay Loam (Fill)						Very Stiff Gray Silty Clay/Clay Till (with Free Water at 8.5', then dry) (continued)						
	659.46		3									
Very Stiff Black Topsoil Fill with Some Loess (Fill)												
			3	2.5	23.2							
			4	P								
		-5	2									
			2	2.0	26.6							
			3	P								
Hard Brown Silty Clay Loam Till						Very Stiff Gray Silty Clay/Clay Till (with Free Water at 8.5', then dry)						
	654.46		2									
			2	4.0	20.9							
			4	P								
Very Stiff Gray Silty Clay/Clay Till (with Free Water at 8.5', then dry)						Very Stiff Gray Silty Clay Loam Till with Numerous Layers/Beds of Gray Silt, Clay and Silty Clay						
	651.96		3									
		-10	3	2.9	16.5							
			5	S								
			2									
			3	3.5	18.1							
			5	B								
		-15	2									
			3	2.5	21.3							
			4	B								
			1									
			3	2.2	21.6							
			4	B								
		-20	2									

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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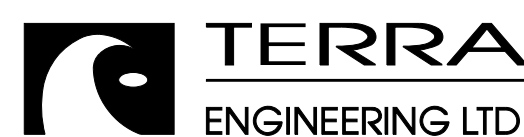
COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH	BLOW	UCS	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.		
038-0014	1037+61.38	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	ft		
Very Stiff Gray Silty Clay Loam Till with Numerous Layers/Beds of Gray Silt, Clay and Silty Clay (continued)						Tan Limestone Bedrock at 59.5', Augered 2.5 into it. (continued)								
			5	3.0	18.5									
			5	B										
			End of Boring									599.21	100/3"	6.1
Very Stiff Gray Clay Till														
	618.46		2											
		-45	2											
			5	3.0	20.0									
			7	B										
Hard Gray Silty Clay Till with Layers of Silt, Silty Clay														
	609.46		2											
		-50	2											
			5	3.1	22.0									
			7	B										
			5											
		-55	5											
			7	5.8	16.3									
			10	B										
Very Stiff Gray Silty Clay/Clay Till (with Free Water at 8.5', then dry)														
	601.96		3											
		-60	3											

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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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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HVB, HVBR-1	IROQUOIS	146	105
			CONTRACT NO. 66942	
ILLINOIS FED. AID PROJECT				