Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 3/22/04

ROUTE I-57 (FAI 57) DESCRIPTION I-57 Dual Structures over Langan Creek, 2.2 miles South of Chebanse LOGGED BY Larry Myers

SECTION 141 BR (SB) & 38-1 BR (NB) LOCATION NW 1/4, SEC. 26, TWP. 29N, RNG. 14W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 038-0016 (Exist.)
Station 843+70

BORING NO. 2 (NB, N. Abut.)
Station 842+40
Offset 25.00ft Lt.
Ground Surface Elev. 642.43 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 (%)
Cored Bituminous and Concrete Pavement Approach. Augured Brown Loamy Fine/Medium Sand					
		-5			
Medium Brown/Black Sandy Clay Loam Fill	637.43		2		
			2	0.9	18.5
			2	B	
Stiff Brown/Black Sandy Clay Loam Fill (with Till Layers)	635.43				
			3		
			3	1.8	19.1
			4	B	
		-10			
			3		
			4	1.9	20.9
			3	B	
			2		
			2	1.5	20.7
			4	B	
Very Stiff Black Clay/Silty Clay	627.43	-15			
			3		
			4	2.0	28.4
			5	P	
Very Stiff Black Loam/Clay Loam	625.43				
			1		
			2	2.0	20.1
			5	P	
Hard Gray Silty Clay Till	622.93	-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Till *(continued)*			4		
			6	5.3	18.5
			10	S	
Medium Gray Fine Sand/Fine Gravel (Loamy) with Free Water. 3" Silt Layers past 28'	619.93		7		
			4		20.4
			6		
W - denotes Washed Sample					
		-25			
			4		
			6		20.6
			9		W
			5		
			6		22.2
			8		
		-30			
			3		
			5		22.3
			7		W
			5		
			4		19.4
			5		
		-35			
			4		
			4		24.3
			5		
			4		
			5		22.8
			7		
		-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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Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
			7		
			10		16.3
Hard Gray Silty Clay Loam Till. Layers of Silt and Layers of Fine Sand/Fine Gravel all Interbedded	601.43		9	4.0	W
				P	11.0
			12		
			26	4.5	12.2
			31	P	
	597.43	-45			
Hard Gray Silty Loam Till			17		
			36	5.8	10.4
			78	S	
Hard Gray Silt with Minor Clay	595.43				
			23		
			36	5.0	15.9
			32	S	
Hard Gray Silty Clay/Silty Clay Loam Till, Silt, Fine/Coarse Sand all Interbedded, Approx. 4 - 10" Layers	592.93	-50			
			20		
			30	4.0	18.8
			27	P	
W - denotes Washed Sample					
			22		
			29	4.0	16.7
			36	P	W
Hard Gray Silty Clay Loam Till with some 2" Fine/Coarse Sand Layers	587.93	-55			
			14		
			17	8.5	9.6
			28	S	W
W - denotes Washed Sample					
			52		
			100/3"	>4.5	11.7
				P	W
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Loam Till with some 2" Fine/Coarse Sand Layers			56		
			82	>4.5	10.2
			100/5"	P	
W - denotes Washed Sample *(continued)*					
		-65			
			70		
			100/5"	>4.5	8.8
				P	W
	574.43				
Hard Brown Sandy Clay Loam Till.					
W - denotes Washed Sample					
		-70			
			25		
			28	9.0	7.2
			40	S	W
		-75			
			22		
			32	10.4	7.7
			46	S	W
		-80			

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