Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 3/29/04

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. 038-0015 (Exist.)
Station 843+70

BORING NO. 3 (SB, N. Abut.)
Station 842+65
Offset 26.00ft Rt.
Ground Surface Elev. 641.86 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 628.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cored Asphalt and Concrete. Augured Brown Gravel					
	639.36		3		
Stiff Gray/Black Silty Clay Loam and Sandy Clay Loam Fill			4	2.0	24.0
			6	B	
		-5	4		
			5	1.6	24.2
			7	B	
			2		
			3	1.9	21.9
			5	B	
		-10	2		
			4	1.5	20.0
			4	B	
	630.36				
Stiff Black Clay Loam					
			2		
			2	1.1	27.7
		▽	4	B	
		-15	1		
			2	1.0	25.0
			3	B	
	624.86				
Hard Gray/Brown Silty Clay Loam Till			2		
			6	4.7	20.1
			7	B	
	622.86				
Very Stiff Gray/Brown Silty Clay Till		-20	3		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray/Brown Silty Clay Till *(continued)*			6	3.6	22.0
			7	B	
	619.36		11	2.5	22.5
Stiff Gray Silt, Silty Loam, Sandy Loam, Fine Sand/Fine Gravel all Interbedded			12	B	
			13		18.6
		-25	7		
			8	2.0	15.4
			12	P	
			4		
			4	1.5	20.1
			7	P	
	612.86				
Loose/Stiff/Fine to Coarse Gray Sand with Silt Layers, somewhat Loamy		-30	5		
			4	1.5	21.9
W - denotes Washed Sample			5	P	W
			5		
			6		23.6
			7		
		-35	4		
			6		21.0
			7		
			4		
			7		23.0
	603.36		11		
Hard Gray Silty Clay Loam Till		-40	5		

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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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Loam Till *(continued)*			35	>4.5	10.0
			51	P	
			32		
			34	>4.5	10.7
			44	P	
		-45	68		
			100/2"	>4.5	12.8
				P	
	593.86				
Gray Clay (Evident with Auger Plug)					
	592.36				
Dense (Very Stiff) Gray Silt with Minor Thin Clay Layers		-50	5		
			20	2.5	20.8
			26	P	
			13		
			24		21.1
			25		
	587.86				
Hard Gray Silty Loam Till (Rocky), Fissil Under Pounding		-55	22		
			34	>4.5	11.2
			142	P	
		-60	100/6"		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Loam Till (Rocky), Fissil Under Pounding *(continued)*					10.1
	576.90	-65	100/5.5"		8.3
End of Boring					
		-70			
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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