Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 7/1/09

ROUTE FAP 587 (US 34) DESCRIPTION US 34 over Pike Creek, 1 mile North East of LaMoille LOGGED BY LM

SECTION 22 BR LOCATION SE 1/4, SEC. 18, TWP. 18N, RNG. 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-0147 (Exist.)
Station 853+37.16

BORING NO. 1 (S.W. Quad.)
Station 852+67.16
Offset 7.00ft Rt.
Ground Surface Elev. 780.12 ft

Surface Water Elev. 766.74 ft
Stream Bed Elev. 763.48 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 763.1 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit. pavement, Brown Sand & Gravel Fill and Brown & Black Silty Clay Loam Fill					
	777.62				
Stiff Brown & Black Silty Clay Loam Fill over concrete @ 3.5'-4' (possible old road bed or large concrete debris)			2		
			2	1.5	15.7
			10	P	
	775.62				
Stiff Black & Gray Silty Clay/Silty Clay Loam Fill		-5			
			3		
			3	1.5	25.9
			4	P	
			2		
			2	1.8	21.3
			4	P	
		-10			
			1		
			2	1.5	24.6
			2	P	
			wh		
			2	1.5	26.6
			3	P	
	765.12	-15			
Loose Black to Brown Loamy Sand & Gravel with free water			3		
			4		17.1
			5		
	763.12 ▽				
Very Stiff Gray Silty Loam Till					
			3		
			5	3.1	18.1
			8	S	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Silty Loam Till *(continued)*			3		
			6	2.8	15.0
			6	S	
	758.12				
Very Stiff Gray Silty Clay Loam Till					
			2		
			4	2.6	14.3
			5	S	
		-25			
			2		
			4	2.6	14.6
			5	B	
	753.12				
Very Stiff Reddish Brown Silty Clay Loam Till					
			3		
			4	2.6	14.0
			5	B	
		-30			
			3		
			8	3.4	12.3
			9	B	
			3		
			5	3.4	14.2
			7	B	
		-35			
			3		
			5	3.4	12.9
			8	B	
			5		
			7	5.0	11.6
			12	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, from 137 (Rev. 8-99)

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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Reddish Brown Silty Clay Loam Till *(continued)*			7		
			9	5.0	12.3
			13	S	
	738.12				
Hard Reddish Brown Silty Clay Loam Till - very uniform					
			8		
			11	5.8	12.0
			15	S	
		-45			
			8		
			11	6.0	11.9
			16	S	
			8		
			11	7.0	10.3
			21	S	
		-50			
			8		
			11	7.0	12.1
			20	S	
			7		
			11	7.0	11.8
			19	S	
		-55			
			8		
			12	7.0	11.4
			21	S	
			9		
			14	7.2	10.6
			23	S	
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Reddish Brown Silty Clay Loam Till - very uniform *(continued)*			8		
			12	7.0	11.0
			22	S	
			10		
			18	7.2	11.7
			23	S	
		-65			
			9		
			16	7.2	10.4
			22	S	
			10		
			18	7.2	11.3
			22	S	
	708.62				
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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