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

SOIL BORING LOG

Date 7/2/09

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. 2 (N.E. Quad.)
Station 854+07.16
Offset 7.00ft Lt.
Ground Surface Elev. 780.04 ft

Surface Water Elev. 766.74 ft
Stream Bed Elev. 764.44 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 765.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit. pavement, Sand & Gravel Base, Black Silty Clay Loam Fill & Concrete (Old Road?) @ 3' then Black Silty Clay Loam Fill					
	775.04	-5			
Stiff Black & Gray Silty Clay Loam Fill			2		
			2	1.5	18.1
			3	P	
			2		
			2	1.5	35.7
			3	P	
	770.04	-10			
Stiff Dark Gray Silty Clay Loam			wh		
			wh	1.0	29.3
			2	P	
	768.04				
Stiff Brown & Gray Silty Loam/Silty Clay Loam Loess			wh		
			wh	1.0	27.1
			2	P	
	765.54				
Stiff Gray & Brown Clay, Silt, Fine to Coarse Sand & Gravel with free water		▽-15	2		
			3	1.5	22.9
			4	P	
			2		
			3	1.5	13.7
	761.04		2	P	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Silty Clay Loam Till with layers of Sand & Gravel @ 37.5'-39' *(continued)*			2		
			3	2.0	16.3
			4	S	
			2		
			3	2.5	14.7
			5	S	
		-25			
			2		
			3	2.5	16.1
			5	S	
			3		
			3	2.7	14.2
			5	S	
		-30			
			3		
			5	3.3	12.6
			8	S	
			4		
			5	3.1	14.9
			6	S	
		-35			
			4		
			6	3.3	13.9
			8	S	
			11		
			9	3.5	11.4
			11	S	
	740.54				
		-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)*			3		
			5	3.4	13.5
			8	S	
			8		
			9	3.9	12.5
			10	S	
	735.54				
Hard Reddish Brown Silty Clay Loam Till		-45			
			9		
			11	4.2	12.2
			13	S	
		-50			
			11		
			13	6.8	11.0
			17	S	
		-55			
			23		
			11	7.0	10.9
			20	S	
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Reddish Brown Silty Clay Loam Till *(continued)*			17		
			14	7.2	12.8
			22	S	
		-65			
			17		
			21	7.2	14.5
			26	S	
		-70			
			16		
			20	7.2	14.3
			25	S	
	708.54				
End of Boring					
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)