Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 4/13/07

ROUTE FAP 316 (IL 26) DESCRIPTION Rt 26 over Drainage Ditch LOGGED BY Larry Myers

SECTION _____ LOCATION NE 1/4, SEC. 16, TWP. 18N, RNG. 09E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-2515
Station 1061+80

BORING NO. 2 NW Quad
Station 1061+63
Offset 15.00ft Rt.
Ground Surface Elev. 105.51 ft

Surface Water Elev. 100.08 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion 85.5 ft ▽
After ____ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Shoulder Stone and brown, Silty Clay- fill					
	103.01				
Stiff, brown, Silty Clay Loam/Silty Clay- fill			2		
			3	1.3	19.6
			2	P	
		-5			
			2		
			2	1.0	18.2
			2	P	
	98.51				
Stiff, brown, gray, green, Sandy Clay Loam/Sandy Loam- fill			2		
			2	1.3	26.6
			2	P	
	96.01				
Stiff, brown gray, Silty Clay Loam to Silty Loam		-10	2		
			3	1.5	17.6
			5	P	
	93.51				
Very stiff, brownish gray, Sandy Clay Loam Till with layers of Sandy Loam at 15' and minor layers of Sand at 24' Free Water at 23'			2		
			3	2.1	13.6
			7	B	
*BM- Spike in Pole- SW Quad set at 100'		-15			
			6		
			9	2.6	11.2
			6	S	
			6		
			7	2.5	13.4
			8	S	
		▽-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, brownish gray, Sandy Clay Loam Till with layers of Sandy Loam at 15' and minor layers of Sand at 24' Free Water at 23'			4		
			7	3.1	12.7
			9	S	
*BM- Spike in Pole- SW Quad set at 100' (continued)		▼	4		
			6	2.9	14.0
			9	S	
		-25			
			6		
			9	3.4	14.1
			11	S	
			5		
			8	3.1	13.0
			10	S	
		-30			
			6		
			7	3.1	32.0
			11	S	
		-35			
			6		
			6	2.7	10.2
			9	S	
End of Boring	69.01				
		-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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COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-2515
Station 1061+80

BORING NO. 1 NE Quad
Station 1061+66
Offset 17.00ft Lt.
Ground Surface Elev. 105.20 ft

Surface Water Elev. 100.08 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 80.2 ft ▼
Upon Completion 80.2 ft ▽
After ____ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Shoulder Stone and brown, Silty Clay- fill					
	102.70				
Stiff, dark brown, Silty Clay Loam- fill			2		
			3	1.3	27.0
			3	P	
	100.70				
Stiff, black to brown, Silty Clay- fill		-5			
			2		
			3	1.3	32.4
			3	P	
	98.20				
Stiff, black, Clay/Silty Clay- fill			3		
			2	1.0	35.1
			4	P	
	95.20	-10			
Stiff, gray brown, Silty Clay Loam			2		
			5	1.2	16.2
			5	B	
	92.70				
Very stiff, gray, Sandy Loam with layers of Sandy Clay Loam and Sand and Gravel with Silt pockets			3		
			5	2.7	14.2
			7	B	
		-15			
			5		
			7	2.7	16.3
			8	S	
	88.20				
			3		
			5	2.9	13.5
			7	B	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, brownish gray, Sandy Clay Loam Till with layers of Sand and Gravel at 26' and layers of Sandy Loam at 28' Free Water at 25'			4		
			6	3.7	12.1
			10	S	
*BM- Spike in Pole- SW Quad set at 100' (continued)			3		
			5	3.1	13.3
			7	S	
		▽-25			
			2		
			7	2.9	11.6
			14	S	
			7		
			10	3.5	12.7
			14	S	
		-30			
			5		
			7	3.2	13.2
			9	S	
	70.20	-35			
			4		
			5	3.0	13.0
			8	S	
End of Boring					
		-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)