Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 9/7/11

ROUTE IL 9 (FAP 693) DESCRIPTION IL 9 over West Branch of Drummer Creek, 1 Mile West of IL 47 at Gibson City LOGGED BY Larry Myers

SECTION 19BR LOCATION NE 1/4, SEC. 9, TWP. 23N, RNG. 7E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0005 (Exist.)
Station 862+20

BORING NO. 2 (West Abut.)
Station 862+75
Offset 12.00ft Rt.
Ground Surface Elev. 750.79 ft

Surface Water Elev. 739.80 ft
Stream Bed Elev. 739.04 ft

Groundwater Elev.:
First Encounter 723.8 ft ▼
Upon Completion 734.8 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous Shoulder, Sand/Gravel, Black Silty Clay Loam Fill					
	748.29				
Stiff Black Silty Clay Loam Fill			2		
			1	2.0	22.0
			2	P	
		-5			
			2		
			2	2.0	34.5
			2	P	
			2		
			1	1.5	29.1
			1	P	
	741.79				
Soft Gray Silt, Sand, Loam in Layers		-10			
			WH		
	739.79		WH	0.5	22.4
Medium Gray Fine Sand to Coarse Gravel - Loamy			1	P	
			4		
			5		13.1
			6		
	736.29				
Stiff Grayish Brown Silty Clay Loam Till		-15			
			2		
	▽		3	2.0	13.3
			4	P	
			2		
			3	2.3	13.9
			4	P	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Grayish Brown Silty Clay Loam Till *(continued)*			3		
			4	3.7	13.0
			5	S	
	728.79				
Very Stiff to Hard Gray Silty Clay Loam Till			7		
			9	6.8	11.8
			10	S	
		-25			
			5		
			9	6.6	12.4
			11	S	
	723.79 ▼				
Medium to Dense Gray Fine Sand to Coarse Gravel with Free Water			13		
Washed Sample 32.5' - 34.0'			15		15.4
			13		
		-30			
			12		
			13		19.5
			13		
			21		
			17		15.5
			20		
		-35			
			11		
			15		12.5
			17		
			10		
			16		13.4
			19		
		-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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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to Dense Gray Fine Sand to Coarse Gravel with Free Water			9		
			15		14.2
			17		
Washed Sample 32.5' - 34.0' *(continued)*					
			10		
			16		13.7
			15		
	706.29				
Hard Gray Clay Loam Till		-45			
			17		
* Max Rimac @ 0%			35	12.2	8.4
			35	S*	
			15		
			34	12.2	9.4
			36	S*	
	701.29				
Very Dense Gray Fine Sand & Silt		-50			
			17		
Washed Sample 50.0' - 51.5'			32		19.1
	699.29		38		
End of Boring					
		-55			
		-60			

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)

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