Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 1/3/80

ROUTE IL 116 (FAP 681) DESCRIPTION IL 116 over Tributary of Vermilion River, 1 mile East of Pontiac LOGGED BY J. Legan

SECTION (113 BR-1)BR LOCATION SW 1/4 of NE 1/4, SEC. 24 TWP. 28N, RNG. 5E, 3rd PM

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 053-0070 (Exist.) 053-0191 (Prop.)
Station 58+65

BORING NO. 2 (S.W. Quad.)
Station 58+03
Offset 33.00ft Rt.
Ground Surface Elev. 649.89 ft

Surface Water Elev 638.96 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 641.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown Silty Clay Loam	647.89				
Very Stiff Light Yellow/Brown Silty Clay Till	645.89		5		
			8	3.9	25.0
			6	S	
Hard Olive & Yellow/Brown Silty Clay Loam Till (2" Coarse Sand & Fine Gravel at 4.5')	643.39	-5	5		
			5	4.9	13.0
			7	S	
Very Stiff Olive & Yellow/Brown Silty Clay Loam Till with 1/2" Pieces of Limestone	640.89		4		
		▽	7	3.7	20.0
			9	S	
Very Loose Yellow/Brown Coarse Sand & Fine Gravel	639.39	-10	5		
			6		20.0
Stiff Gray Silt	638.39		6	1.6	24.0
				B	
Very Stiff Gray Silt (small amount of Clay at 18')			4		
			8	2.5	23.0
			7	P	
		-15	2		
			6	1.8	25.0
			8	P	
			1		
			3	2.0	26.0
			3	P	
		-20	2		
Very Stiff Gray Silt (small amount of Clay at 18') *(continued)*	628.39		3	2.0	29.0
			6	P	
Stiff Gray Silty Clay	625.89		2		
			4	1.6	27.0
			6	B	
Loose Tan Coarse Sand & Fine Gravel		-25	6		
			7		21.0
			9		
			-	-	-
Hard Blue/Gray Clay	620.89	-30	9		
			17	4.7	16.0
			21	S	
Very Stiff Dark Gray Clay Loam	618.39		6		
			11	3.7	17.0
			16	S	
		-35	8		
			17	2.0	17.0
			32	S	
Very Stiff Reddish/Brown Clay	613.39		12		
			28	3.9	14.0
			49	S	
		-40	14		

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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Groundwater Elev.:
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Upon Completion 641.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Reddish/Brown Clay *(continued)*	608.39		35	3.7	14.0
			38	S	
Stiff Gray Clay (some 1/2" Stone Pieces in Sample Tube)	605.89		14		
			27	1.7	15.0
			50	S	
Hard Gray Clay		-45	20		
			32	4.8	14.0
			46	S	
End of Boring	603.89				
		-50			
		-55			
		-60			

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