

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 6/9/09

ROUTE IL 116 (FAP 681) DESCRIPTION IL 116 over Trib. to Vermilion River, 8.9 miles East of IL 47 LOGGED BY LM

SECTION 115(I) LOCATION SW 1/4, SEC. 24, TWP. 28N, RNG. 8E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H (ft)	B L O W S (bls)	U C S (tsf)	M O D E (%)	Surface Water Elev.		Stream Bed Elev.		D E P T H (ft)	B L O W S (bls)	U C S (tsf)	M O D E (%)
						Dry	ft	Dry	ft				
053-2563 (Exist.) 149+34	1 (S.W. Quad.) 149+52 13.00ft Lt. 676.24 ft												
Augered Shoulder Stone, Black Silty Clay Loam Fill													
	673.74		3								3		
Stiff to Very Stiff Black Silty Clay Loam Fill													
			3	1.5	24.7						5	3.5	17.5
			2	P							6	S	
			2								3		
			3	2.5	20.6						4	3.5	18.4
			4	P							6	S	
Very Stiff Brown & Gray Silty Clay Loam Till													
	669.24		3								4		
			3	2.4	20.3						6	4.0	18.0
			3	B							9	S	
Stiff to Very Stiff Brown Silty Loam, Silty Clay Loam with Silt pockets													
	666.74		1								5		
			3	2.1	19.1						6	4.0	18.2
			3	B							9	S	
Very Stiff Gray Silty Clay Loam Till													
	664.24		2										
			4	3.3	15.5								
			5	B									
			3								5		
			4	3.3	18.1						6	4.0	24.0
			5	B							8	S	
End of Boring													
			3										
			5	3.5	17.1								
			6	S									

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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						Dry	ft	Dry	ft				
053-2563 (Exist.) 149+34	2 (N.E. Quad.) 149+16 14.00ft Rt. 676.12 ft												
Augered Shoulder Stone, Black Silty Clay Loam Fill													
	673.62												
Stiff to Very Stiff Black Silty Clay Loam Fill													
			2								4	3.3	15.6
			2	1.5	26.3						5	B	
			3	P							4	3.3	16.6
			2								3		
			3	2.0	31.4						4	3.3	19.0
			4	P							5	B	
Stiff Brown & Gray Silty Clay Loam Till													
	669.12		2								4		
			2	1.5	24.0						8	4.1	22.2
			2	P							8	S	
Medium Brown Silty Loam, Silty Clay Loam with Silt pockets													
	666.62		1								4		
			1	1.0	20.7						9	4.0	17.9
			2	P							7	S	
Very Stiff Brown & Gray Silty Clay Loam Till													
	664.12		1										
			2	3.2	18.9								
			4	S									
Very Stiff Gray Silty Clay Loam Till													
	661.62		4								4		
			7	4.0	14.4						6	4.0	20.1
			8	S							7	S	
End of Boring													
			4										
			4	3.3	15.8								
			6	B									

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)

DESIGNED -
CHECKED -
DRAWN NV
CHECKED JKC

SOIL BORINGS
STRUCTURE NO. 053-2576

SHEET NO. 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	681	(115)I	LIVINGSTON	20	14
5 SHEETS			CONTRACT NO. 66870		
ILLINOIS FED. AID PROJECT					