Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 3/4/81

ROUTE FA 681 (IL 116) DESCRIPTION IL 116 over Smith Branch LOGGED BY F. Pickard

SECTION 113-BR LOCATION E 1/2, SEC. 23, TWP. 28N, RNG. 5E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0159
Station 24+93

BORING NO. 1 (East Abut.)
Station 25+33
Offset 10.00ft Rt.
Ground Surface Elev. 640.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, Brown, Silty Clay Loam Fill					
	638.70				
Medium, Brown, Sandy Loam Fill			2		
			1	0.8	20.0
			2	P	
	636.70				
Stiff, Dark Brown, Silty Clay			1		
		-5			
			3	1.1	20.0
			6	S	
	634.20				
Medium, Sight Gray, Silty Clay			1		
			2	0.6	26.0
			1	B	
	631.70				
Stiff, Olive/Gray, Silty Clay Loam			1		
		-10			
			3	1.8	24.0
			3	P	
	629.20				
Very Stiff, Gray, Silty Clay Till			4		
	627.70		8	2.7	16.0
Vedium, Yellow, Gravel			10	B	
	626.70				12.0
Hard, Gray, Silty Loam Till			7		
		-15			
			8	5.7	12.0
			7	S	
	624.20				
Stiff, Yellowish/Gray, Sandy Till (with 3/4" Limestone pieces)			13		
			26	1.4	10.0
			28	S	
	621.70				
Very Stiff, Mottled, Silty Clay Loam Till			5		
		-20			
Very Stiff, Mottled, Silty Clay Loam Till *(continued)*			13	3.4	17.0
			19	S	
	619.20				
Hard, Reddish/Gray, Silty Clay Loam Till			12		
			13	4.3	13.0
			18	P	
		-25	7		
			16	4.0	16.0
			32	P	
	614.20				
Hard, Gray, Silty Clay Loam Till			13		
			27	4.5	14.0
			32	P	
	611.70				
Hard, Blueish/Green, Weathered Shale			37		
		-30			
			63/2"		7.0
	606.70				
Limestone					
	605.70	-35			
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, form 137 (Rev. 8-99)

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ROUTE FA 681 (IL 116) DESCRIPTION IL 116 over Smith Branch LOGGED BY F. Pickard

SECTION 113-BR LOCATION E 1/2, SEC. 23, TWP. 28N, RNG. 5E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0159
Station 24+93

BORING NO. 2 (West Abut.)
Station 24+47
Offset 10.00ft Lt.
Ground Surface Elev. 640.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Dark Brown, Silty Clay Loam Fill					
	638.70				
Stiff, Black, Silty Clay Loam Fill			1		
			2	1.3	27.0
			3	P	
	636.70				
Medium, Blackish/Gray, Silty Clay Loam			2		
		-5			
			4	0.8	21.0
			4	B	
	634.20				
Medium, Black, Sandy Loam			1		
			2	0.8	23.0
			4	S	
	631.70				
Stiff, Yellowish/Gray, Silty Clay			1		
		-10			
			3	1.2	27.0
			4	B	
	629.20				
Very Stiff, Gray, Silty Clay Loam			3		
			12	2.1	16.0
			22	B	
		-15	15		
			15	3.5	17.0
			36	B	
	624.20				
Dense, Gray to White, Weathered, Shaley Limestone			100/		
			2"		
	621.70				
		-20	35		
Hard, Gray, Gravel and Clay				65/5"	4.0
					P
					13.0
Limestone @ 23.0' *(continued)*	617.70				
End of Boring					
		-25			
		-30			
		-35			
		-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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USER NAME =	DESIGNED -	REVISED
	CHECKED -	REVISED
PLOT SCALE =	DRAWN -	REVISED
PLOT DATE =	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 053-0190

SHEET NO. 22 OF 22 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(113 BR)BR & (113 BR-1)BR	LIVINGSTON	123	52
		CONTRACT NO. 66832		
	ILLINOIS	FED. AID PROJECT		