Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 5/21/09

ROUTE FAP 681 (IL 116) DESCRIPTION IL 116 over Langan Creek, 3.81 Miles West of I 57 LOGGED BY LM

SECTION (117 BR)I LOCATION NE 1/4, SEC. 26, TWP. 28N, RNG. 10E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0122 (Exist.)
Station 459+40

BORING NO. 2 (S.W. Quad.)
Station 459+00
Offset 7.00ft Rt.
Ground Surface Elev. 655.94 ft

Surface Water Elev. 643.66 ft
Stream Bed Elev. 641.71 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 637.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit. Pav't, Concrete & Black Silty Clay Loam Fill					
	650.94	-5			
Stiff to Very Stiff Gray/ Brown Silty Loam/Silty Clay Loam with fine Sand layers Loess			3		
			3	2.0	17.1
			3	P	
	648.94				
Hard Brown Silty Clay/Silty Clay Loam			2		
			4	4.0	21.7
			5	S	
	646.44				
Very Stiff Gray & Brown Silty Clay with Silt layers & pockets		-10	2		
			2	2.5	23.5
			5	S	
	643.94				
Hard Gray Silty Clay/Clay			6		
			8	5.0	20.2
			10	S	
		-15			
			4		
			6	5.4	21.2
			9	S	
		▽	4		
			5	4.5	21.4
			9	S	
	636.44				
Very Stiff Gray Clay/Silty Clay		-20			
Very Stiff Gray Clay/Silty Clay (continued)			4		
			5	3.3	25.1
			7	S	
			3		
			5	3.7	24.1
			8	S	
	631.44				
Stiff Gray Silty Clay Loam/ Silty Loam with layers of Gray Silt		-25	3		
			3	1.5	24.0
			3	P	
			2		
			3	1.5	25.1
			3	P	
		-30	1		
			4	2.0	22.9
			5	P	
	623.94				
Very Stiff Gray Silt with layers of Silty Loam/ Silty Clay Loam			3		
			4	3.5	24.5
			5	P	
	621.44				
Hard Dark Gray Clay/ Silty Clay Till		-35	5		
			9	7.0	21.2
			12	S	
			5		
			9	5.8	22.8
			11	S	
		-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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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Dark Gray Clay/ Silty Clay Till (continued)			7		
			11	9.8	13.9
			15	S	
	613.94				
Hard/Dense Gray Clay Silt, Fine Sand, Coarse Sand layers (free water) up to 1' thick			11		
			13	6.6	22.2
			20	S	
		-45			
			10		
			14		15.0
			21		
			10		
			16		18.1
			18		
		-50	8		
			8		35.3
			16		
	603.94				
Hard Gray Silty Clay Loam Till			48		
			100/5"	>12	13.9
				S	
		-55			
			61		
			100/3"	>12	10.7
				S	
	599.44				
End of Boring		-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)

BBS, from 137 (Rev. 8-99)

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engineers · scientists · planners

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Job No. 3938

FILE NAME = ...\038-0220-66960-022-logs2.dgn	USER NAME = jcreisher	DESIGNED - JDC	REVISED -
		CHECKED - JMS	REVISED -
	PLOT SCALE = $SCALE$	DRAWN - LLR	REVISED -
	PLOT DATE = 12\09\2010	CHECKED - JDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS LOG 2 OF 2
STRUCTURE NO. 038-0220
SHEET NO. 22 OF 22 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	(117) BR-1	IROQUOIS	41	33
		CONTRACT NO. 66960		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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