STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2

Date 6/24/09

ROUTE FA-698 (IL 89) DESCRIPTION IL 89 over Pike Creek, 0.5 Miles South of US 34 junction. LOGGED BY LM

SECTION 101-BR LOCATION NE 1/4, SEC. 25, TWP. 18N, RNG. 10E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-0104 (Exist.)
Station 29+60

BORING NO. 1 (S. Abut.)
Station 30+13
Offset 14.00ft Lt.
Ground Surface Elev. 773.55 ft

Surface Water Elev. 755.40 ft
Stream Bed Elev. 753.90 ft

Groundwater Elev.:
First Encounter 749.6 ft ▼
Upon Completion 749.6 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit. shoulder, Brown Silty Clay Loam Fill					
	771.05				
Stiff to Very Stiff Brown & Gray Silty Clay Loam Fill			2		
			3	2.0	18.4
			4	P	
	768.55	-5			
Very Stiff Brown Silty Clay Loam Till			2		
			3	3.0	14.9
			4	P	
	766.55				
Hard Brown Clay Loam with Loam Layers & Sand Layers			7		
			9	5.6	11.4
			11	S	
		-10			
			4		
			8	5.4	20.2
			10	S	
	761.55				
Very Stiff Gray Silty Clay Loam Till with Silt Layers @ 21'			3		
			4	3.4	11.6
			5	S	
		-15			
			3		
			5	3.2	11.0
			7	S	
			3		
			3	3.0	12.6
			5	S	
		-20			
Very Stiff Gray Silty Clay Loam Till with Silt Layers @ 21' *(continued)*			2		
			3	2.7	13.9
			6	S	
			5		
			6	3.2	12.1
			9	S	
	749.55 ▼				
Loose Gray Fine to Coarse Sand with Minor Fine to Coarse Gravel with free water		-25			
			1		
			2		19.0
			3		
	746.05				
Stiff to Very Stiff Gray Silty Clay, Silt, Clay, minor Varved Clay @ 28'			2		
			3	2.0	23.6
			5	P	
		-30			
			2		
			2	1.5	25.7
			4	P	
	741.05				
Stiff to Very Stiff Reddish Brown Silty Clay Loam Till			2		
			3	2.0	12.6
			4	B	
		-35			
			3		
			5	2.7	13.1
			6	B	
			6		
			9	3.8	11.3
			12	B	
	734.05				
		-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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Upon Completion 749.6 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Reddish Brown Silty Clay Loam Till, very uniform *(continued)*			11		
			13	7.4	15.8
			16	S	
			11		
			13	7.7	11.4
			21	S	
		-45			
			11		
			13	7.7	11.0
			20	S	
			11		
			13	7.7	11.8
			19	S	
		-50			
			6		
			13	7.4	11.4
			18	S	
			9		
			13	7.7	10.7
			18	S	
		-55			
			11		
			13	7.8	11.5
			21	S	
			11		
			16	8.1	9.3
			26	S	
		-60			
Hard Reddish Brown Silty Clay Loam Till, very uniform *(continued)*			13		
			18	8.7	10.4
			31	S	
	712.05				
End of Boring					
		-65			
		-70			
		-75			
		-80			

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)

DESIGNED	SDH
CHECKED	JML
DRAWN	DJM
CHECKED	MSW

DATE 10/08/10

SOIL BORING LOGS
STRUCTURE NO. 006-0181

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

SHEET NO. B22
23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(101 BR)BR	BUREAU	47	36
		CONTRACT NO. 66910		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

24-8371