STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2

Date 5/27/09

ROUTE FAP 681 (US 45) DESCRIPTION US 45 over Prairie Creek, 2.3 Miles East of Ashkum LOGGED BY LM

SECTION 118 BR LOCATION NW 1/4, SEC. 25, TWP. 28N, RNG. 14W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0175 (Exist.)
Station 163+53

BORING NO. 2 (N.E. Quad.)
Station 164+13
Offset 13.00ft Lt.
Ground Surface Elev. 630.91 ft

Surface Water Elev. 614.95 ft
Stream Bed Elev. 613.35 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit. shoulder, Brown & Gray Silty Clay Loam Fill					
			3		
			5	3.5	20.3
			9	B	
			3		
			5	3.5	20.3
			7	B	
	625.91	-5			
Very Stiff Brown & Gray Silty Clay Loam Fill			3		
			3	2.5	26.5
			3	P	
	623.91				
Stiff to Very Stiff Brown & Gray Silty Clay Loam/ Silty Loam			2		
			3	3.1	22.2
			3	B	
		-10			
			2		
			2	2.0	23.4
			2	P	
	618.91				
Hard Brown Silty Clay Loam Till			5		
			9	8.0	19.6
			11	S	
		-15			
			5		
			7	8.0	19.0
			9	S	
	613.91				
Very Stiff Gray Clay Till			3		
			4	3.5	20.2
			6	B	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Clay Till *(continued)*			3		
			5	3.5	20.3
			9	B	
			3		
			5	3.5	20.3
			7	B	
		-25			
			5		
			5	3.5	20.6
			7	B	
			5		
			5	3.5	19.0
			7	B	
		-30			
			5		
			6	3.5	21.6
			8	B	
			4		
			5	3.5	20.9
			7	B	
		-35			
			4		
			6	3.5	20.9
			7	B	
			4		
			5	3.5	20.8
			7	B	
		-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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Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Clay Till *(continued)*			5		
			5	3.5	21.0
			7	B	
		-45			
			5		
			6	3.3	21.9
			7	B	
		-50			
			5		
			8	3.0	22.5
			9	B	
	577.91				
Hard Gray Silty Clay Loam Till with pockets of Silty Loam					
		-55			
			8		
			9	5.0	14.4
			11	S	
	573.91				
Hard & Brittle Gray Silty Loam/Silty Clay Loam Till					
		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard & Brittle Gray Silty Loam/Silty Clay Loam Till *(continued)*			39		
			56	>12	7.4
			72	S	
		-65			
			25		
			47	11.5	10.1
			61	S	
	564.41				
End of Boring					
		-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)

SOIL BORINGS
STRUCTURE NO. 038-0221

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

Date: 7-28-10 Drawn By: FJS Checked By: DZ

SHEET NO. 20 OF 20 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	681	118BR	IROQUOIS	42	29
			CONTRACT NO. 66861		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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