

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 2

Date 5/22/09

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 Inoquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0175 (Exist.)
Station 163+53
BORING NO. 1 (S.W. Quad.)
Station 162+94
Offset 14.00ft RL
Ground Surface Elev. 631.10 ft

DEPTH H S Qu T	B L O S	U C S	M O I S	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	D E P T H S Q u T	B L O S Q u T	U C S Q u T	M O I S Q u T
				614.95	613.80			3		2.7	21.4
								4			
								5	B		
				628.60				3			
								4		2.7	21.8
								5	B		
				627.10				2			
								4		3.0	19.6
								5	P		
								2			
								4		3.1	27.7
								4	B		
				624.10				3			
								4		2.6	24.7
								4	B		
				621.60				3			
								5			
								7		7.2	18.7
								9	S		
								8			
								10		7.8	19.8
								12	S		
								5		5.1	23.7
								8	S		
								4			
								6		5.0	21.3
								7	S		
				611.10							

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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				614.95	613.80			3		2.7	21.4
								4			
								5	B		
				628.60				3			
								4		2.7	21.8
								5	B		
				627.10				2			
								4		3.1	22.7
								6	B		
								3			
								4		3.5	22.4
								6	B		
				624.10				3			
								4		3.5	21.5
								6	B		
				621.60				3			
								4		3.1	21.9
								5	B		
								3			
								4		3.1	22.1
								7	B		
								4			
								5		3.1	23.1
								7	B		
								3			
								4		3.1	22.1
								7	B		
				579.10				4			
								5		3.2	21.9
								6	B		
				576.60				7			
								9		4.7	12.1
								12	S		
								20			
								35		>11.5	12.6
								50	S		
								3			
								5		3.1	21.5
								5	B		
				611.10							

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SOIL BORINGS
STRUCTURE NO. 038-0221

SHEET NO. 19 OF 20 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	681	118BR	IROQUOIS	42	28
			CONTRACT NO. 66861		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT		

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

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