STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 1

Date 3/19/09

ROUTE FAP 681 (IL 116) DESCRIPTION IL 116 over Ditch, 2.02 MI E of IL 115 LOGGED BY LM

SECTION 116 LOCATION NW 1/4 of NW 1/4, SEC. 26, TWP. 28N, RNG. 9E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-2528 (Exist.)
Station 106+78.61

BORING NO. 1 (S.E. Quad.)
Station 106+99
Offset 14.00ft Rt.
Ground Surface Elev. 657.87 ft

Surface Water Elev. 652.37 ft
Stream Bed Elev. 652.02 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 White CA6 shoulder stone, Black Silty Clay Fill					
	655.37				
Stiff to Very Stiff Brown, Gray, Black Silty Clay Loam Fill			2		
			2	1.5	23.0
			3	P	
		-5			
			2		
			2	1.5	26.0
			2	P	
	650.87				
Hard Brown to Gray Silty Clay/Clay			4		
			5	5.6	23.3
			6	S	
	647.87	-10			
Very Stiff Gray to Brown Silty Clay, Silt, Fine Sand Interbedded			4		
			5	3.0	20.8
			5	P	
			3		
			2	2.0	24.0
			3	P	
	643.37				
Very Stiff Gray Silty Clay Till		-15			
			2		
			3	2.4	18.4
			4	B	
			2		
			3	2.5	19.1
			4	B	
		▽ -20			
Very Stiff Gray Silty Clay Till (continued)			2		
			3	2.4	20.7
			4	B	
			2		
			3	2.1	24.2
			4	B	
	633.37				
Stiff Gray Silty Clay Till		-25			
			1		
			2	1.5	24.7
			3	B	
	630.87				
Very Stiff Gray Silty Clay Till, Clay, Silt Interbedded			3		
			5	3.4	20.4
			6	S	
	628.37				
Very Stiff Gray Sandy Clay Loam/ Clay Loam Till		-30			
			4		
			7	3.6	15.5
			7	B	
	626.37				
End of Boring					
		-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, from 137 (Rev. 8-99)

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COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-2528 (Exist.)
Station 106+78.61

BORING NO. 2 (N.W. Quad.)
Station 106+62
Offset 31.00ft Lt.
Ground Surface Elev. 657.32 ft

Surface Water Elev. 652.37 ft
Stream Bed Elev. 651.87 ft

Groundwater Elev.:
First Encounter ____ ft
Upon Completion 635.3 ft ▽
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered White CA6 shoulder stone, Black Silty Clay Loam Fill					
	654.82				
Stiff Black & Brown Silty Clay Loam Fill with some Gravel			2		
			2	1.5	27.6
			3	P	
		-5			
			2		
			1	1.0	16.0
			2	P	
	650.32				
Hard Brown to Gray Silty Clay/Clay			7		
			9	5.8	22.4
			14	S	
	647.32	-10			
Very Stiff Gray to Brown Silty Clay, Silt, Fine Sand Interbedded			3		
			4	2.5	10.7
			5	P	
			3		
			3	2.0	23.9
			3	P	
	642.82				
Very Stiff Gray Silty Clay Till		-15			
			3		
			2	2.0	18.6
			3	P	
			3		
			3	2.5	19.7
			4	B	
		-20			
Very Stiff Gray Silty Clay Till (continued)			2		
			3	2.5	22.5
			4	B	
		▽			
			2		
			3	2.1	23.5
			4	B	
		-25			
			2		
			3	2.0	28.2
			5	B	
	630.32				
Very Stiff Gray Silty Clay Till with Clay, Silt Interbedded			3		
			4	3.0	27.9
			4	S	
	627.82				
Very Stiff Gray Sandy Clay Loam/Clay Loam Till		-30			
			4		
			7	3.3	14.9
			7	B	
		-35			
			4		
			9	3.7	16.8
			6	B	
	620.82				
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, from 137 (Rev. 8-99)

DESIGNED	SDH
CHECKED	JML
DRAWN	JWK/DJM
CHECKED	MSW
DATE	08/04/10

SOIL BORING LOGS
STRUCTURE NO. 027-2553

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

SHEET NO. C12
12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	*	FORD/IROQUOIS	146	67
		CONTRACT NO. 66880		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 116 BR/[116 BR, (BR-2)BR, I & BR-3]

24-8271