STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2

Date 3/4/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch 2.67 MI E of IL 115 LOGGED BY LM

SECTION 116-BR-1 LOCATION SE1/4 of SE 1/4, SEC. 23, TWP. 28N, RNG. 9E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0045 (Exist.)
Station 141+45

BORING NO. 2 (W. Abut.)
Station 140+69
Offset 13.00ft Lt.
Ground Surface Elev. 659.63 ft

Surface Water Elev. 645.78 ft
Stream Bed Elev. 643.56 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 643.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered shoulder stone & Black Silty Clay Loam Fill					
	657.13				
Very Stiff Black Silty Clay Loam/Silty Clay Fill (topsoil fill)			3		
			3	3.5	29.1
			5	P	
		-5			
			3		
			3	3.5	29.8
			4	P	
	652.63				
Stiff to Very Stiff Gray Silty Clay Loam & Silty Loam Fill			2		
			2	7.0	24.9
			3	P	
	650.13				
Loose Brown Loam, Fine/Coarse Sand with numerous layers of Sandy Loam		-10			
			2		
			3		17.4
			4		
	647.13				
Very Stiff Brown Silt with some Silty Clay Layers			2		
			4	3.0	19.4
			4	S	
		-15			
			1		
		▽	2	2.0	24.4
			3	S	
	642.63				
Very Stiff Gray Silty Clay Loam Till			3		
			5	3.7	15.2
			6	B	
	640.13				
Hard Gray Silty Clay Loam Till		-20			
Hard Gray Silty Clay Loam Till *(continued)*			4		
			7	5.2	16.8
			10	S	
			4		
			6	6.2	17.3
			8	S	
		-25			
			4		
			6	6.3	20.3
			8	S	
	632.63				
Very Stiff Gray Clay Till with layers of Gray Silt			3		
			4	3.3	21.5
			5	S	
		-30			
			3		
			4	3.7	20.6
			6	S	
	627.63				
Hard to Very Stiff Brownish-Gray Silty Loam/Silty Clay Loam Till with Silt layers			3		
			6	4.1	15.7
			8	S	
		-35			
			3		
			3	3.6	17.3
			4	S	
	622.63				
Stiff Gray Silt with some Silty Loam layers			1		
			2	1.5	22.4
			3	P	
	620.13				
		-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)

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

SOIL BORING LOG

Page 2 of 2

Date 3/4/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch 2.67 MI E of IL 115 LOGGED BY LM

SECTION 116-BR-1 LOCATION SE1/4 of SE 1/4, SEC. 23, TWP. 28N, RNG. 9E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0045 (Exist.)
Station 141+45

BORING NO. 2 (W. Abut.)
Station 140+69
Offset 13.00ft Lt.
Ground Surface Elev. 659.63 ft

Surface Water Elev. 645.78 ft
Stream Bed Elev. 643.56 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 643.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray Silty Clay Loam Till with Silt layers *(continued)*			WH		
			3	2.5	17.0
			4	B	
	617.63				
Hard Gray Clay Till with Silt layers					
			7		
			8	4.7	17.2
			10	S	
		-45			
			4		
			6	4.5	17.3
			10	S	
	612.63				
Hard Gray Silty Loam/Silty Clay Loam Till with Sand & Silt layers			4		
			6	4.6	13.0
			10	S	
		-50			
			6		
			9	6.2	11.8
			11	S	
			9		
			12	6.7	11.5
			16	S	
		-55			
			6		
			13	6.9	20.6
			17	S	
			9		
			14	7.6	11.8
			21	S	
		-60			
Hard Gray Silty Loam/Silty Clay Loam Till with Sand & Silt layers *(continued)*			7		
			12	6.7	23.7
			14	S	
		-65			
			21		
			40	10.1	12.3
			56	S	
	593.13				
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)

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

SOIL BORING LOGS
STRUCTURE NO. 027-0100

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

SHEET NO. D18
18 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	*	FORD/IROQUOIS	146	85
		CONTRACT NO. 66880		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

24-8271