STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2

Date 3/9/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drain Ditch 3.3 MI E of IL 115 LOGGED BY LM

SECTION 116-BR-2 LOCATION North 1/2, SEC. 25, TWP. 28 N, RNG. 9 E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0046 (Exist.) (Prop.)
Station 174+58.04

BORING NO. 2 (East Abut.)
Station 175+32.04
Offset 14.00ft Rt
Ground Surface Elev. 660.03 ft

Surface Water Elev. 640.77 ft
Stream Bed Elev. 639.15 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 646.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered white shoulder stone, Black Silty Clay Loam Topsoil Fill					
	657.53				
Very Stiff Black Silty Clay Loam Topsoil Fill			4		
			5	3.5	27.1
			6	P	
		-5			
			4		
			4	3.5	22.5
			5	P	
	652.53				
Stiff to Medium Gray & Brown Silty Loam, Silty Clay Loam, Silt, Fine Sand Interbedded			2		
			2	2.0	21.5
			4	P	
		-10			
			1		
			2	1.0	22.9
			2	P	
			3		
			4	2.0	20.8
		▽	4	P	
	645.03	-15			
Medium Brown Fine Sand/Coarse Gravel - Loamy			4		
			7		15.8
			9		
	642.53				
Hard Gray Clay Till			2		
			4	4.0	16.6
			5	B	
		-20			
Hard Gray Clay Till *(continued)*			4		
			6	4.5	14.4
			7	B	
			4		
			7	4.3	15.9
			8	B	
		-25			
			5		
			7	4.5	18.1
			9	B	
			5		
			7	4.5	19.9
			8	B	
		-30			
			5		
			5	4.1	22.1
			7	B	
	627.53				
Very Stiff to Hard Gray Silty Clay Loam Till with layers of Silty Loam/Silt			3		
			5	3.7	21.6
			8	S	
		-35			
			3		
			4	4.1	18.9
			7	S	
			3		
			5	4.1	18.9
			8	S	
	620.03	-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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Date 3/9/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drain Ditch 3.3 MI E of IL 115 LOGGED BY LM

SECTION 116-BR-2 LOCATION North 1/2, SEC. 25, TWP. 28 N, RNG. 9 E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0046 (Exist.) (Prop.)
Station 174+58.04

BORING NO. 2 (East Abut.)
Station 175+32.04
Offset 14.00ft Rt
Ground Surface Elev. 660.03 ft

Surface Water Elev. 640.77 ft
Stream Bed Elev. 639.15 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 646.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Clay Till with some Silt Layers			5		
			9	5.2	16.6
			14	S	
			5		
			7	5.1	22.1
			12	S	
		-45			
			3		
			5	4.5	24.3
			8	S	
			4		
			6	4.2	19.3
			8	S	
		-50			
			4		
			5	4.2	16.9
			8	S	
	608.03				
Dense Brown Fine Sand/Coarse Gravel - Loamy			7		
			15		16.4
			21		
	605.03	-55			
Hard Gray Silty Clay Loam/Silty Loam Till with numerous Silt/Fine Sand Layers			19		
			27	8.4	12.9
			33	S	
		-60			
Hard Gray Silty Clay Loam/Silty Loam Till with numerous Silt/Fine Sand Layers *(continued)*			11		
			17	7.6	15.5
			24	S	
	598.53				
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	JWK/DJM
CHECKED	MSW
DATE	08/04/10

SOIL BORING LOGS
STRUCTURE NO. 027-0098

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

SHEET NO. E18
18 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	*	FORD/IROQUOIS	146	103
		CONTRACT NO. 66880		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

24-8271