STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 1

Date 3/17/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch, 0.5 MI E of IL 115 LOGGED BY LM

SECTION 116-B-4 LOCATION North 1/2, SEC. 28, TWP. 28N, RNG. 9E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0043 (Exist.)
Station 26+64

BORING NO. 1 (N.E. Quad.)
Station 26+89
Offset 14.00ft Lt.
Ground Surface Elev. 659.74 ft

Surface Water Elev. 650.81 ft
Stream Bed Elev. 650.16 ft

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered White CA6 shoulder stone, Black Silty Clay Loam Fill				
657.24				
Very Stiff Black Silty Clay Loam Fill		3		
		4	3.0	33.5
		4	P	
	-5			
		3		
		3	2.75	25.9
		4	P	
652.24				
Very Stiff Gray Silty Clay Loam		3		
		3	2.6	24.3
		4	B	
650.24				
Very Stiff Brown & Gray Silty Clay Loam Till	-10			
		3		
		4	3.4	20.8
		6	B	
647.74				
Hard Gray Silty Clay Loam Till				
		4		
		8	6.8	13.7
		12	S	
	-15			
		7		
		9	6.8	15.1
		12	S	
		6		
		9	6.2	18.7
		9	S	
640.74				
Very Stiff to Stiff Gray Silt, Silty Loam, Clay thickly interbedded	-20			

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff to Stiff Gray Silt, Silty Loam, Clay thickly interbedded *(continued)*		3		
		5	3.5	17.3
		4	P	
		2		
		3	2.0	29.1
		3	P	
	-25			
		1		
		4	3.6	23.9
		6	S	
		3		
		4	2.4	19.1
		5	S	
630.24				
Very Stiff Gray Silty Clay Loam Till with some Silt Layers	-30			
		3		
		4	3.1	15.6
		5	S	
	-35			
		3		
		4	3.3	18.8
		6	S	
623.24				
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)

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Date 3/17/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch, 0.5 MI E of IL 115 LOGGED BY LM

SECTION 116-B-4 LOCATION North 1/2, SEC. 28, TWP. 28N, RNG. 9E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0043 (Exist.)
Station 26+64

BORING NO. 2 (S.W. Quad.)
Station 26+41
Offset 15.00ft Rt.
Ground Surface Elev. 659.76 ft

Surface Water Elev. 650.81 ft
Stream Bed Elev. 649.66 ft

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered White CA6 shoulder stone, Black Silty Clay Loam Fill				
657.26				
Very Stiff Black & Brown Silty Clay Loam Fill		2		
		2	2.5	24.8
		3	P	
	-5			
		2		
		3	2.5	29.9
		3	P	
652.76				
Stiff to Very Stiff Brown Silt, Clay, Sand Interbedded		3		
		2	2.0	16.5
		3	P	
650.26				
Hard Brown Silty Clay Loam Till	-10			
		3		
		6	6.8	16.5
		9	S	
647.76				
Hard Gray Silty Clay Loam Till				
		5		
		7	6.8	14.0
		10	S	
	-15			
		7		
		9	8.0	15.7
		13	S	
642.26				
Hard to Very Stiff Gray Clay Till		4		
		6	4.1	18.0
		8	S	
	-20			

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard to Very Stiff Gray Clay Till *(continued)*		2		
		4	2.5	24.0
		5	B	
637.76				
Stiff to Very Stiff Gray Clay				
		2		
		3	2.2	30.2
		4	B	
634.76	-25			
Very Stiff to Hard Gray Silty Clay Loam Till with thick layers of Silty Clay & Silt/Fine Sand		1		
		3	3.1	22.8
		4	B	
		3		
		3	2.4	14.4
		4	B	
	-30			
		6		
		10	3.9	16.7
		13	S	
	-35			
		5		
		7	4.4	18.4
		9	S	
623.26				
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. 027-2018

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

SHEET NO. B8
8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	*	FORD/IROQUOIS	146	55
		CONTRACT NO. 66880		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

24-8271