

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SOIL BORING LOG

Date 10/10/06

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over unnamed creek LOGGED BY Larry Myers

SECTION 116-B LOCATION NW 1/4, SEC. 29, TWP. 28N, RNG. 10E, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0173
Station 284+00

BORING NO. #1: SW Quad: W Abut
Station 283+78
Offset 45.00ft Right
Ground Surface Elev. 659.50 ft

DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)
0				Augered, brown, Silty Clay Loam- fill	0	3	2.1	27.4
657.00				Very stiff, gray, Clay (continued)	3	6		
657.00	5			Hard, gray, Silty Loam with pockets of Silty Loam	3			
654.50	5	>4.5 P	20.1		5	4.1	21.9	
654.50	4			Very stiff, gray, Silty Clay Till	3			
652.50	3	1.5 P	10.7		5	3.1	14.1	
652.50	2				6			
647.50	3	2.0 P	22.5		2			
647.50	3			Hard, gray, Silty Clay Loam Till	5	3.1	17.1	
645.00	2				6			
645.00	4	2.7 B	23.8		5			
645.00	4				6	4.7	15.9	
645.00	2				8			
645.00	3	1.4 S	22.7		3			
645.00	3			Very stiff, gray, Silty Clay Loam Till	5	4.1	17.9	
642.50	6				8			
642.50	3	3.0 P	22.2		3			
642.50	6			Hard, gray, Clay to Silty Clay with Silt seams (potential minor varing)	5	2.9	24.1	
640.00	7				6			
640.00	9	4.7 S	10.9		9	5.4	23.0	
640.00	20			Very stiff, gray, Clay	12			

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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DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)
617.50	5			Hard, gray, Clay to Silty Clay with Silt seams (potential minor varing) (continued)	10	5.4	22.1	
617.50	12			with high Gravel content up to Boulder/Cobble Auger refusal @ 59' End of Boring	12			
615.00	3			Very stiff, gray, interbedded, Silty Clay Loam and Silt	3			
615.00	4				4	2.0	25.6	
615.00	6				6			
615.00	7			Hard, gray, Silty Clay Loam Till with 6" Silt layer @ 46'	7			
615.00	11	8.3 P	10.4		14			
615.00	12				25	9.6	11.2	
615.00	25				25			
615.00	40				40			
615.00	35	9.4 S	15.0		45			
615.00	45				45			
615.00	16				16			
615.00	14	6.9 S	14.2		14	6.9	14.2	
615.00	30				30			
615.00	10			Hard, gray, Silty Clay, Silt and fine, Gravel and Sand in 6" layers free H2O	10			
615.00	20	>4.5 P	14.2		20	>4.5	14.2	
615.00	22				22			
615.00	15			Very dense, gray, fine to coarse, Sand	15			
615.00	30				30			
615.00	35				35			
615.00	30				30			
615.00	30			Dense, gray, Sandy Clay Loam Till	30			
615.00	40	100/21 >4.5			40			

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BBS, from 137 (Rev. 8-99)

DESIGNED SDH
CHECKED JML
DRAWN JWK/DJM
CHECKED MSW

DATE 08/04/10

SOIL BORING LOGS
STRUCTURE NO. 038-2549

Farnsworth GROUP, INC. 2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435, 309/663-1571 fax	SHEET NO. 69	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10 SHEETS	681	*	FORD/IROQUOIS	146	112
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				CONTRACT NO. 66880		

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

24-8271