Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 2/1006

ROUTE SBI-25 (IL 45) DESCRIPTION IL 45 over Prairie Creek LOGGED BY Larry Myers

SECTION 36-BR LOCATION SW 14, SEC. 17, TWP. 27N, RNG. 14W

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0038
Station 1120+17.00

BORING NO. #1: NW Quad
Station 1119+88.00
Offset 13.00ft Rt
Ground Surface Elev. 644.31 ft

Surface Water Elev. 634.19 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augered, white, shoulder stone and black, Silty Clay Loam- fill	641.81				
Stiff, black, Silty Clay Loam- fill	639.31	-5	4		
			3	1.3	19.8
			4	P	
Stiff, gray, Silty Clay to Silty Clay Loam- loess	637.31		3		
			4	1.8	16.3
			5	S	
Medium, gray to brown, Silty Clay to Silty Clay Loam- loess	634.81		2		
			2	0.7	21.9
			3	S	
Hard, gray, Silty Clay Loam Till	627.31	-10	3		
			7	4.7	15.4
			10	S	
			7		
			10	7.4	14.3
			14	S	
Very stiff, gray, Silty Clay Loam Till	624.81	-15	4		
			7	5.6	15.3
			10	S	
Stif, gray, Silty Clay Till		-20	4		
			3	1.3	18.7
			3	B	
Medium, gray, Silty Clay Till	622.31		wh		
wh= weight of the hammer			3	0.6	19.9
			3	B	
Stiff, gray, Silty Clay Till	617.31	-25	wh		
			3	0.6	20.9
			3	B	
Stiff, gray, Silty Clay Till	607.81	-30	wh		
wh= weight of the hammer			3	1.1	19.1
			4	S	
End of Boring		-40	wh		
			3	1.1	19.4
			3	S	
		-35	3		
			5	1.3	18.3
			7	P	

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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ROUTE SBI-25 (IL 45) DESCRIPTION IL 45 over Prairie Creek LOGGED BY Larry Myers

SECTION 36-BR LOCATION SW 14, SEC. 17, TWP. 27N, RNG. 14W

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0038
Station 1120+17.00

BORING NO. #2: SE Quad
Station 1120+47.00
Offset 13.00ft Lt
Ground Surface Elev. 644.44 ft

Surface Water Elev. 634.19 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augered, white, shoulder stone and black, Silty Clay to Silty Clay Loam- fill	642.44				
Stiff, black, Silty Clay to Silty Clay Loam- fill	639.94		3		
			2	1.5	21.9
			4	P	
Stiff, gray to brown, Silty Clay- loess	634.94	-5	2		
			2	1.7	20.6
			3	S	
Hard, gray, Silty Clay Loam Till	632.94	-10	2		
			2	1.7	19.5
			4	S	
Very stiff, gray, Silty Clay Loam Till	630.44		6		
			8	5.4	19.4
			11	S	
Stiff, gray, Silty Clay Till	627.94	-15	3		
			5	2.7	14.7
			7	S	
Medium, gray, Silty Clay Till		-20	2		
wh= weight of the hammer			2	0.7	19.0
			2	B	
Medium, gray, Silty Clay Till		-25	wh		
wh= weight of the hammer (continued)			2	0.7	20.0
			2	B	
			wh		
			2	0.7	20.2
			3	B	
Stiff, gray, Silty Clay Till	620.44	-30	wh		
wh= weight of the hammer			2	1.3	19.2
			3	B	
			wh		
			2	1.2	19.2
			3	B	
		-35	wh		
			3	1.2	18.6
			4	B	
End of Boring	608.44	-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)

FILE NAME = c:\projects\ed03826\borlogs.dgn	USER NAME = fergusonsa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 9.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Oct 31, 2007 - 03:56:47 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. 1117+00 TO STA. 1123+00

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	36 BR	IROQUOIS	29	18
		CONTRACT NO. 66646		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT