STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 45	34 BR-1	IROQUIS COUNTY	37	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

CONTRACT # 66411

SHEET NO. 8
8 SHEETS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 7/16/04

ROUTE FAS 338 (US 45) DESCRIPTION US 45 over Louis Creek, 1.7 mile N. of Buckley LOGGED BY Larry Myers

SECTION 34 BR-1 LOCATION SW 1/4, SEC. 14, TWP. 25, RNG. 10, 3rd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 038-0043
Station 1898+13

BORING NO. 2 North Abutment
Station 1897+52
Offset 15.00ft Lt
Ground Surface Elev. 675.53 ft

Surface Water Elev. 661.57 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 652.5 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered white shoulder stone over Brown Sandy Clay Loam (FILL)			
673.53			
Stiff Brown Sandy Clay Loam to Silty Clay Loam (FILL)	2		
	3	2.0	21.7
	3	P	
-5	2		
	2	1.8	26.0
	3	P	
	2		
	2	1.5	24.6
	2	P	
-10	2	1.3	21.8
	3	P	
	3		
	1		
	1	2.0	23.5
	2	P	
661.53			
Hard Gray Silty Clay Till			
-15	5		
	7	6.7	18.3
	11	S	
	6		
	7	5.8	19.4
	11	S	
656.53			
Very Stiff Gray Clay Till			
-20	3		
Very Stiff Gray Clay Till (continued)	4	3.6	22.1
	6	S	
653.53			
Stiff Gray Clay Till	2		
	2	1.3	26.5
	3	B	
651.53			
Medium Gray Silty Clay Till			
-25	woh		
	woh	0.9	26.7
	3	B	
	woh		
	2	0.8	28.0
	2	P	
646.53			
Medium Gray Clay Till			
-30	woh		
	2	0.8	28.2
	2	B	
	woh		
	woh	0.5	29.3
	woh	B	
641.03			
Very Stiff Brown Silty Clay Loam Till	2		
-35	5	3.3	17.5
	5	S	
639.03			
Hard Gray Sandy Clay Loam Till	4		
	5	4.9	15.0
	8	S	
636.53			
Hard Gray Clay Loam Till			
-40	2		

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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SOIL BORING LOG

Page 2 of 2

Date 7/16/04

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Surface Water Elev. 661.57 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 652.5 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Clay Loam Till (continued)	5	4.5	16.7
	5	S	
-45	6		
	8	6.2	12.3
	10	S	
	7		
	10	6.8	11.1
624.53	14	S	
Hard Brown Sandy Clay Loam Till			
-55	13	4.5	14.9
	15	P	
	17		
617.53			
Hard Gray Sandy Clay Loam Till			
-60	12		
Hard Gray Sandy Clay Loam Till (continued) 614.53	16	9.5	9.8
	22	S	
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	M.R./R.A.
CHECKED	H.T.
DRAWN	J.S.
CHECKED	H.T./M.R.

SOIL BORING LOGS, 2 OF 2

U.S. 45 OVER LOUIS CREEK
FAS ROUTE 338 (U.S 45), SECTION 34 BR-1
IROQUOIS COUNTY
STATION 1898+10.00
STRUCTURE NO. 038-0212

SCALE: NONE DATE: OCTOBER, 2006

Soodan

Soodan & Associates, Inc.
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