ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 840	123BR-2	IROQUOIS	67	37
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
20 SHEETS

Contract #66612

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 12406

ROUTE FAP Route 840 (IL 49) DESCRIPTION FA-840 (IL 49) over Pigeon Creek LOGGED BY Larry Myers

SECTION 123 BR-2 LOCATION SW 14, SEC. 1, TWP. 24N, RNG. 14W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0181
Station 284+75

BORING NO. #2: N Abut
Station 285+47
Offset 28.00ft Lt.
Ground Surface Elev. 665.42 ft

Surface Water Elev. 650.06 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Silty Clay Loam fill					
	662.92				
Very stiff, gray brown, Silty Clay Loam to Silty Clay fill with layers of Loam			4		
			7	2.0	16.8
			8	P	
		-5			
			3		
			5	2.0	12.5
	658.92		7	P	
Stiff, gray, Silty Clay Loam to Silty Clay					
			3		
			4	2.0	21.3
			5	P	
		-10			
			2		
			3	1.0	22.4
			3	S	
			2		
			3	1.3	20.0
			3	S	
	650.42	-15			
Very stiff, gray, Silty Clay Loam Till			1		
			1	2.5	16.1
			4	B	
			3		
			4	2.3	16.1
			6	B	
	645.92				
Stiff, gray, Silty Clay Loam Till		-20			
Stiff, gray, Silty Clay Loam Till (continued)			2		
			3	1.7	14.5
			4	B	
			1		
			4	1.7	18.0
			4	B	
		-25			
			1		
			4	1.7	20.5
			4	B	
			2		
			3	1.7	19.4
			5	B	
	635.92				
Stiff, gray, Clay with some layers of Clay Till		-30			
			2		
			3	1.2	20.6
			3	B	
			wh		
			3	1.3	20.7
			4	B	
		-35			
			2		
			3	1.2	19.5
			4	B	
	628.42				
Stiff, brown to gray, Silt to fine, Sand to Silty Loam layers			4		
			6	1.8	18.5
			8	S	
	625.92				
Hard, gray, Silty Clay Loam Till		-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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 12406

ROUTE FAP Route 840 (IL 49) DESCRIPTION FA-840 (IL 49) over Pigeon Creek LOGGED BY Larry Myers

SECTION 123 BR-2 LOCATION SW 14, SEC. 1, TWP. 24N, RNG. 14W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

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Ground Surface Elev. 665.42 ft

Surface Water Elev. 650.06 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, gray, Silty Clay Loam Till (continued)			5		
			10	5.8	11.8
			12	B	
			6		
			10	6.0	11.7
			10	B	
	620.92				
Hard, gray, Sandy Clay Loam Till		-45			
			6		
			10	5.7	10.7
			11	S	
	618.42				
Dense to very dense, brown, fine to medium, Sand with very minor pieces of fine to coarse, Gravel			10		
			15		17.8
			25		
		-50			
			31		
			35		18.3
			35		
		-55			
			25		
			37		20.3
			45		
		-60			
			27		
			38		15.6
			44		
	603.92				
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)

rjngroup
Excellence through Ownership

200 West Front Street
Wheaton, Il 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS - II
IL RT. 49 OVER PIGEON CREEK
FAP RTE 840 - SECTION 123 BR-2
IROQUOIS COUNTY
STATION 284+75.00
STRUCTURE NO. 038-0217

DATE: 8/7/2007 DRAWN BY WJV CHECKED BY BLB

8/3/2007 K:\1208287\Structure\Final Plans\Final Plans.dgn