STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 836	(119BR) BR	CHAMPAIGN		31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
21 SHEETS

Contract # 70355

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Five Materials

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Date 3/17/04

ROUTE FAP 836 (IL 49) DESCRIPTION Salt Fork Creek North of Homer LOGGED BY CNA

SECTION 119BR(BR) LOCATION SW, SEC. 33, TWP. 19N, RNG. 14W, 3 PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0137 (Exist.)
Station 1015+35

BORING NO. 1 South Abut.
Station 1013+48
Offset 6.80ft Rt.
Ground Surface Elev. 653.1 ft

Surface Water Elev. 624.5 ft
Stream Bed Elev. 623.5 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Pavement	653.10				
	652.10				
Brown to Black Sandy Clay Loam (Embankment)					
	650.10				
Brown Sandy Clay Loam (Weathered Till)			4		
			9		6.9
		-5	11		
	647.60				
Gray Clay Loam Till					
			5		
			7	6.3	10.1
		-10	12	B	
	641.10				
Gray Silty Clay Loam Till					
			2		
			6	4.4	9.9
		-15	6	S	
	637.10				
Gray Sand Loam Till					
			5		
			20		10.8
		-20	21		
Gray Sand Loam Till (continued)					
	631.10				
Gray Silt					
	629.10				
Gray Sandy Clay Loam Till			21		16.7
		-25	22		
Coarse Gray Sand Seam					
			17		
			31		7.5
		-30	31		
	622.10				
Brown/Pink Clay Loam Till					
			16		
			21	7.9	9.8
		-35	30	S	
			8		
			14	12.7	8.8
		-40	21	S	

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 3/17/04

ROUTE FAP 836 (IL 49) DESCRIPTION Salt Fork Creek North of Homer LOGGED BY CNA

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Surface Water Elev. 624.5 ft
Stream Bed Elev. 623.5 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown/Pink Clay Loam Till (continued)					
	611.10				
Brown Clay Loam Till					
			8		
			10	11.5	9.2
		-45	21	B	
	606.10				
Gray Moderately Sorted Coarse Sand					
			21		
			50-6"		
(Trace of Brown Clay Loam Till)	603.10	-50			
		-55			
		-60			

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COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0137 (Exist.)
Station 1015+35

BORING NO. 2 North Abut.
Station 1017+07.6
Offset 6.00ft Lt.
Ground Surface Elev. 645.6 ft

Surface Water Elev. 624.5 ft
Stream Bed Elev. 623.5 ft

Groundwater Elev.:
First Encounter 628.6 ft ▼
Upon Completion Wash Bore ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Pavement					
	644.60				
Black & Brown Cinders to Sandy Clay Loam Mixed (Embankment)					
			3		
			7		16.4
		-5	9		
	636.60				
Brown Mottled Silty Clay Loam with Trace Organics (Alluvium)			2		
			2	1.7	20.2
		-10	3	B	
	634.60				
Gray Mottled Silty Clay Loam (Alluvium)			1		
			1		23.4
	633.10		3		
Dark Brown Mottled Silt Loam with Trace Organics (Alluvium)					
			1		
			1		22.5
		-15	2		
	630.10				
Brown Well Sorted Medium Sand					
			2		
		▼	2		
			3		
			1		
			2		
		-20	3		
Brown Well Sorted Medium Sand (continued)					
	624.60				
Brown Dirty Sand & Gravel					
	622.60				
Gray Sandy Clay Loam Till					
			3		
			10	7	8
		-25	12	S	
	619.10				
Gray/Brown Clay Loam Till					
			8		
			18	11.7	8.8
		-30	19	S	
			10		
			19	11.4	10.1
		-35	21	S	
	608.60				
Blue/Gray Sand Loam Till to Sandy Clay Loam Till					
			9		
			19		13.6
		-40	32		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Blue/Gray Sand Loam Till to Sandy Clay Loam Till (continued)	604.60				
Gray Dirty Coarse Sand with Small Gravel					
	601.60		9		
Gray Sandy Clay Loam Till			14	8.7	12.4
	600.60	-45	19	B	
		-50			
		-55			
		-60			

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BORING DETAILS
F.A.P. RT. 836-SECTION (119BR)BR
CHAMPAIGN COUNTY
STATION 1015+21.00
STRUCTURE NO. 010-0280

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