STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9079	65BR	MADISON	46	28
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 11
11 SHEETS

Contract 76136

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 11/09/1

ROUTE FAU 9079 DESCRIPTION Old Chain of Rocks Road over County Ditch LOGGED BY Larry Ford

SECTION 65BR LOCATION SE 14, SEC. 30, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Ex. 060-0069 Prop. 060-0236
Station 388+43.96

BORING NO. #1 East Abut
Station 388+76
Offset 28.00ft Lt.
Ground Surface Elev. 421.9 ft

Surface Water Elev. 414.0 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 408.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray SILTY CLAY			3		
			5	0.9	
			7	S/15	27
		-5	5		
			6	2.1	
			7	B	37
			2		
			2	1.1	
			3	B	39
		-10	2		
			3	0.9	
			4	S/10	42
			2		
	408.9 ▼		4	1.1	33
			9	B	21
Gray SANDY LOAM	407.9			NC	
Gray Fine SAND		-15	4		
			8	NC	
			14		21
Began Rotary Mud		-20			
Gray Fine SAND (continued)			6		
			8		NC
			10		24
See Gradation			7		
			17	NC	
			22		22
		-25			
			11		
			19	NC	
			15		21
		-30			
	390.9				
Fine to Medium Gray SAND w/lignite			6		
			10	NC	
See Gradation			11		22
	386.9	-35			
Gray Fine SAND			7		
			13	NC	
See Gradation			17		23
		-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)

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Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Fine SAND (continued)	381.4				
Gray Fine to Medium SAND w/clay lense			8		
			16	NC	
			19		
See Gradation		-45			
			10		
			15	NC	
			18		
		-50			
			17		
			18	NC	
			27		
		-55			
			8		
			11	NC	
			13		
		-60			
Gray Fine to Medium SAND w/clay lense (continued)			10		
			11	NC	
			11		
		-65			
			11		
			19	NC	
			22		
	361.9	-70			
Gray Fine to Coarse SAND			8		
See Gradation			9	NC	
			12		
		-75			
			14		
			26	NC	
			30		
		-80			

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Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Fine to Coarse SAND (continued)					
See Gradation		-85			
			12		
			20	NC	
			25		
		-90			
Some Large Gravel 90.5 to 94					
	328.9	-95			
Reddish Brown Fine SAND					
			20		
			34	NC	
			46		
See Gradation		-100			
Reddish Brown Fine SAND (continued)					
		-105			
			313.9	47	NC
Gray SHALE	313.4		100	NC	17
END OF BORING		-110			
		-115			
		-120			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BORING LOGS
F.A.U. ROUTE 9079 - SECTION 65BR
MADISON COUNTY
STATION 388+43.96
STRUCTURE NO. 060-0236

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