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 1/10/01

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			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Fine SAND (continued)		6			
		8			NC
		10			24
See Gradation		7			
		17	NC		
		22			22
		-25			
		7			
		12	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			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Fine to Medium SAND w/clay lense (continued)					
		10			
		11	NC		
		11			
		-65			
		11			
		19	NC		
		22			
	351.9	-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
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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					
	326.9	-95			
Reddish Brown Fine SAND					
		20			
		34	NC		
See Gradation		46			
		-100			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Reddish Brown Fine SAND (continued)					
		-105			
	313.9		47	NC	
Gray SHALE	313.4		100	NC	17
END OF BORING					
		-110			
		-115			
		-120			

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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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