STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 785	134-1BR-2	MADISON	44	56
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23
23 SHEETS

Contract #76902

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 6 Materials

Date 33106

ROUTE FAP 785 DESCRIPTION IL 140 over Cahokia Creek LOGGED BY Sarah Wiszkon

SECTION 134-1BR-2 LOCATION SW 14, SEC. 7, TWP. 5N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0097
Station
BORING NO. SB 4 W. Abut
Station 622+26
Offset 27.80ft Left
Ground Surface Elev. 479.75 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 415.8 ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay LOAM			2		
			1	0.59	
			2	S/20	
		-5	2		
			3	1.24	
			5	S/20	
	473.25				
Mottled Silt LOAM			2		
			4		–
			3	NS	
		-10	2		
	469.25		4	0.81	
			5	S/20	
Dark Gray SILT				2.0	
				P	
			3		
			4	0.86	
			4	S/10	
		-15	1		
			3	0.44	
			2	S/10	
	463.25				
Mottled Silt LOAM			3		
			3	1.23	
			5	S/15	
		-20	0		
Mottled Silt LOAM (continued)			2		
			2	0.65	
			2	B	
	458.25				
Gray Silty CLAY			WH		
			–	0.49	–
			–	B	
		-25	0		
			0	0.59	–
			2	S/20	
	453.25				
Dark Gray LOAM			0		
	451.75		2	0.87	–
			1	S/15	–
Gray Loamy SAND				0.23	
				B	
		-30	WH		
			–	0.5	–
			–	P	
	445.75				
Gray Clay TILL Wood		-35	3		
			5	5.54	–
			9	S/20	
		-40	6		

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)

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Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Clay TILL (continued)			8	3.10	–
			12	S/20	
Mottled		-45	6		
			8	2.44	–
			11	B	
	431.75				
Gray Silty Clay LOAM					
		-50	7		
			11	4.73	–
			19	S/20	
	426.75				
Gray Clay TILL					
		-55	5		
			7	1.83	–
			10	B	
		-60	6		
Gray Clay TILL (continued) Mottled with Blue, Purple, Brown			7	1.63	–
			9	S/20	
	416.75				
Gray Silt LOAM					
		-65	5		
			8	2.17	–
			12	B	
		-70	5		
			7	2.17	–
			8	S/20	
	406.75				
Gray Silty Clay LOAM					
		-75	0		
			3	1.21	–
			6	S/15	
End 331, Resume 44	400.75				
Gray SAND & Weathered SHALE See Gradation @ 80 ft		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray SAND & Weathered SHALE See Gradation @ 80 ft (continued)				NS	–
	394.75	-85	27		
			8	NC	
Gray Silt LOAM			10	2.35	
				S/20	
Sand Lens		-90	5		
			15	2.61	
			18	S/20	
	386.75				
Gray Coarse to Fine SAND See Gradation @ 95 ft		-95	5		
	384.25		6		
			10	NC	
Gray Silty Clay LOAM				3.10	
	382.75			S/20	
			44		
Mottled Clay TILL			503*		
Weathered Shale	381.25		-	—	
Refusal – End of Boring		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BORING LOGS
F.A.P. RTE. 785 - SEC. 134-1BR-2
MADISON COUNTY
STATION 623+90.00
STRUCTURE NO. 060-0240