

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 785	134-IBR-2	MADISON	41	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 20
23 SHEETS

Contract #76902

Illinois Department of Transportation
Division of Highways
District 8 Materials

SOIL BORING LOG

Page 1 of 2
Date 3/08

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

SECTION 134-IBR-2 LOCATION SW 14, SEC. 7, TWP. 5N, R1NG. 7W, 3 PM

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

STRUCT. NO. 060-0097
Station _____

BORING NO. SB 1 Pier 2
Station 624+50
Offset 45.50ft Left
Ground Surface Elev. 467.5 ft

SOIL DESCRIPTION	DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	UNCONF. COMP. STRENGTH (UCS) FAILURE MODE	SOIL CLASSIFICATION
Mottled Silty Clay LOAM	0 - 2				3 NC
	2 - 3				3.28 P
	3 - 4				1.30 B
	4 - 7				7 B
Gray Silt LOAM A-6(10) See Classification @ 8 ft	7 - 8				3
	8 - 13				5 1.30 B
	13 - 19				5 B
(Mottled)	19 - 21				4
	21 - 26				5 1.17 B
	26 - 30				6 B
Mottled Sandy LOAM See Gradation @ 10 ft	30 - 32				-30
	32 - 45.50				1 NC
Gray Loamy Gravelly SAND See Gradation @ 12 ft	45.50 - 46.50				1 3 NC
	46.50 - 47.50				3 NC
Gray Silt LOAM A-6(7) See Classification @ 15 ft	47.50 - 48.50				-15 0 0.49 B
	48.50 - 49.50				8 2.28 S20
	49.50 - 50.50				10 S20
	50.50 - 51.50				0 0.26 B
	51.50 - 52.50				0 B
Gray SAND	52.50 - 54.00				-40 4

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 T208)

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

STRUCT. NO. 060-0097
Station _____

BORING NO. SB 1 Pier 2
Station 624+50
Offset 45.50ft Left
Ground Surface Elev. 467.5 ft

SOIL DESCRIPTION	DEPTH (ft)	DRILLING METHOD	HAMMER TYPE	UNCONF. COMP. STRENGTH (UCS) FAILURE MODE	SOIL CLASSIFICATION
Mottled (Brown, Blue, Gray, Green) Silty Clay LOAM (continued)	54.00 - 55.00				5 1.37 B
	55.00 - 56.00				8 B
	56.00 - 57.00				11 2.28 S20
	57.00 - 58.00				13 S20
Mottled Clay TILL	58.00 - 60.00				4
	60.00 - 61.00				4
	61.00 - 62.00				8 1.37 B
	62.00 - 63.00				9 B
	63.00 - 64.00				11 1.63 S20
	64.00 - 65.00				50 NS
(Weathered Limestone)	65.00 - 66.00				401.00
Weathered Gray LIMESTONE	66.00 - 67.00				
Dark Brown Silty CLAY	67.00 - 68.00				4
	68.00 - 69.00				8 2.36 S20
	69.00 - 70.00				11 S20
	70.00 - 71.00				396.50
Refusal on Limestone - End of Boring	71.00 - 72.00				
Gray Silty CLAY A-6(11) See Classification @ 55 ft	72.00 - 73.00				-75 7
	73.00 - 74.00				10 2.17 S20
	74.00 - 75.00				13 S20
	75.00 - 76.00				8

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-IBR-2
MADISON COUNTY
STATION 623+90.00
STRUCTURE NO. 060-0240