

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATE SHEETS	SHEET NO.	SHEET NO. 22 23 SHEETS
FAP 785	134-IBR-2	MADISON	43	56	
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT			

Contract #76902

Illinois Department of Transportation SOIL BORING LOG Page 1 of 4
Date 3/16/06

ROUTE FAP 785 DESCRIPTION IL 140 over Cahokia Creek LOGGED BY Sarah Wiszkon
SECTION 134-IBR-2 LOCATION SW 14, SEC. 7, TWP. 6N, RING. 7W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0097
Station 623+19
BORING NO. SB 3 Pier 1
Station 623+19
Offset 38.90ft Left
Ground Surface Elev. 468.0 ft

SOIL	DEPTH (ft)	UCS (psi)	U	M	D	B	S	P	Other
Mottled SILT LOAM	2								
	1								
	4								
	5								
	4								
	7								
Rubble	5								
	5								
Rubble	5								
	11								
Dark Gray LOAM	10								
Rock	9								
	2								
Mottled SILT	3								
	2								
Gray SAND	1								
See Gradation @ 15 ft	2								
Wood	2								
	3								
Gray SILT	2								
	1								
Gray Silty SAND	1								

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)

Illinois Department of Transportation SOIL BORING LOG Page 2 of 4
Date 3/16/06

ROUTE FAP 785 DESCRIPTION IL 140 over Cahokia Creek LOGGED BY Sarah Wiszkon
SECTION 134-IBR-2 LOCATION SW 14, SEC. 7, TWP. 6N, RING. 7W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0097
Station 623+19
BORING NO. SB 3 Pier 1
Station 623+19
Offset 38.90ft Left
Ground Surface Elev. 468.0 ft

SOIL	DEPTH (ft)	UCS (psi)	U	M	D	B	S	P	Other
Gray Silty CLAY	6								
A-6(10)	9								
See Classification @ 40 ft	9								
(continued)	9								
	4								
Small Return (~ 3 - 4')	5								
	7								
	5								
	7								
	5								
	9								
	9								
Gray Silty Clay LOAM	2								
	5								
	6								
	10								
	4								
Dark Gray Silty CLAY	6								
	5								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation SOIL BORING LOG Page 3 of 4
Date 3/16/06

ROUTE FAP 785 DESCRIPTION IL 140 over Cahokia Creek LOGGED BY Sarah Wiszkon
SECTION 134-IBR-2 LOCATION SW 14, SEC. 7, TWP. 6N, RING. 7W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0097
Station 623+19
BORING NO. SB 3 Pier 1
Station 623+19
Offset 38.90ft Left
Ground Surface Elev. 468.0 ft

SOIL	DEPTH (ft)	UCS (psi)	U	M	D	B	S	P	Other
Black Extremely Weathered SHALE (continued)	12								
	14								
	12								
Gray Weathered SHALE	30								
	30								
	504*								
	1.94								
	SS								
	20								
	27								
	47								
	375.00								
Gray Slightly Weathered SHALE	504*								
	504*								
	NC								
	371.00								
Borehole continued with rock coring.									
	100								

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)

Illinois Department of Transportation ROCK BORING LOG Page 4 of 4
Date 3/16/06

ROUTE FAP 785 DESCRIPTION IL 140 over Cahokia Creek LOGGED BY Sarah Wiszkon
SECTION 134-IBR-2 LOCATION SW 14, SEC. 7, TWP. 6N, RING. 7W, 3 PM
COUNTY Madison CORING METHOD

STRUCT. NO. 060-0097
Station 623+19
BORING NO. SB 3 Pier 1
Station 623+19
Offset 38.90ft Left
Ground Surface Elev. 468.0 ft

ROCK	DEPTH (ft)	UCS (psi)	U	M	D	B	S	P	Other
Gray LIMESTONE	371.00								
	1								
	21								
	18								
	23								
End 3/20/06									
Start 3/23/06									
	1								
	21								
	18								
	39								
End of Boring and Rock Core									
	100								
	105								
	110								
	115								

Color pictures of the cores Upon Request
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BORING LOGS
F.A.P. RTE. 785 - SEC. 134-IBR-2
MADISON COUNTY
STATION 623+90.00
STRUCTURE NO. 060-0240