

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 4	11BR-1	MADISON	123	106
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #90758

**Illinois Department of Transportation**  
Division of Highways  
SOIL BORING LOG

Page 1 of 2  
Date 12/23/70

ROUTE FAP 314 (FA 68) DESCRIPTION IL 4 over Lake Fork Creek LOGGED BY C. Hoffman

SECTION 11BR-1 LOCATION SE 14, NW 14, SEC. 30, TWP. 3N, RNG. 6W, 3 PM

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

STRUCT. NO. 060-0112 (E)/  
060-0339 (P)  
Station 161+40

BORING NO. 1 N. Abut  
Station 161+39.3  
Offset 10.40ft Left  
Ground Surface Elev. 487.27 ft

DEPTH (ft)	SOIL TYPE	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONFINED COMPRESSIVE STRENGTH (lb)	FAILURE MODE
0	Surface Water Elev.						
0	Stream Bed Elev.						
0	Groundwater Elev.:						
0	First Encounter						
0	Upon Completion						
0	After						
4	Gray Silty CLAY (continued)	4.36		28			
13	Brown CLAY	0.46		25			
17	Brown and Gray Silty CLAY	1.56		23			
8	Gray Silty CLAY	0.59		24			
7	Gray Silty CLAY	0.39		28			
8	Gray Silty CLAY	1.33		25			
9	Gray Silty CLAY	1.73		23			
10	Gray Silty CLAY	1.27		24			

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)  
BBS, from 137 (Rev. 8-89)

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44	Gray Clay TILL (continued)	4.63		13			
36	Gray Fine SAND (continued)					426.0	NC
40	Gray Fine SAND (continued)						
38	Gray Fine SAND (continued)	2.63		16			
60	Gray Fine SAND (continued)	0.48		16			
28	Gray Fine SAND (continued)	2.44		20			
50	Gray Fine SAND (continued)	4.17		23			
6	Gray Fine SAND						NC

Ground elevation with reference to assumed BM elevation of 73.0 ft, chiseled square in top SE wingwall of bridge

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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Date 4/28/70

ROUTE FAP 314 (FA 68) DESCRIPTION IL 4 over Lake Fork Creek LOGGED BY J. King

SECTION 11BR-1 LOCATION SE 14, NW 14, SEC. 30, TWP. 3N, RNG. 6W, 3 PM

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

STRUCT. NO. 060-0112 (E)/  
060-0339 (P)  
Station 161+40

BORING NO. 2 S. Abut  
Station 161+78  
Offset 20.00ft Right  
Ground Surface Elev. 455.67 ft

DEPTH (ft)	SOIL TYPE	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONFINED COMPRESSIVE STRENGTH (lb)	FAILURE MODE
7	Tan Silty CLAY (continued)	1.30		26			
12	Gray Silty CLAY	0.69		14			
6	Gray Silty CLAY	0.55		25			
4	Brown and Gray Silty CLAY	0.52		28			
4	Gray Coarse SAND (with Gravel)						NC
4	Gray Silty CLAY	0.36		28			
8	Dark Gray CLAY	1.83		28			
9	Gray Clay TILL	1.50		23			
2	Tan Silty CLAY	0.26		24			

Ground elevation with reference to assumed BM elevation of 73.0 ft, chiseled square in top SE wingwall of bridge

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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82	Gray Clay TILL (continued)	2.32		13			
100	Gray Clay TILL (continued)	2.83		15			
90	Gray Clay TILL (continued)	3.59		16			
30	Gray Clay TILL (continued)	3.59		16			
32	Gray Clay TILL (continued)	2.83		21			

Ground elevation with reference to assumed BM elevation of 73.0 ft, chiseled square in top SE wingwall of bridge

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**BORING DETAILS**  
**F.A.P. ROUTE 314 - SECTION 11BR-1**  
**MADISON COUNTY**  
**STATION 161+40.00**  
**STRUCTURE NO. 060-0339**