

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation** SOIL BORING LOG Page 1 of 2  
Date 9/18/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2044 (E) Station 106+50

BORING NO. C-1 Station 106+50 Offset 50.00# RT Ground Surface Elev. 464.7 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	S (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Brown Silty Clay LOAM	4	0.52	31					
1	Gray Silty Clay LOAM	3	0.81	28					
2	Gray Mottled Silty Clay LOAM	3	0.65	28					
3	Gray Silty Clay LOAM	3	1.16	27					
4	Light Brown Mottled Silty Clay LOAM	4	0.98	26					
5	Brown Silty Clay LOAM	4	1.37	22					
6	Brown/Gray Mottled Silty Clay LOAM (A-6(9))	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) BBS, from 137 (Rev. 8-99)

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7	Brown/Gray Mottled Silty Clay LOAM (continued)	5	1.39	23					
8	END OF BORING	10							

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Date 9/15/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2044 (E) Station 106+50

BORING NO. C-2 Station 106+75 Offset 0.00# CL Ground Surface Elev. 456.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	S (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Asphalt / Concrete	2	0.49	30					
1	Brown Mottled Silty Clay LOAM (A-6(8))	3	0.49	28					
2	Gray Mottled Silty Clay LOAM (A-6(8))	3	0.87	33					
3	Gray Mottled Silty Clay LOAM (A-6(8))	4	0.91	26					
4	Brown Silty Clay LOAM (A-6(8))	4	0.88	24					
5	Brown Mottled Silty Clay TILL (A-6(9))	4	1.47	17					
6	Gray Silty LOAM (A-6(8))	3	0.68	29					
7	Gray Very Weathered SHALE	24							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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Date 9/15/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2044 (E) Station 106+50

BORING NO. C-2 Station 106+75 Offset 0.00# CL Ground Surface Elev. 456.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	S (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
8	Gray Very Weathered SHALE (continued)	15	4.5	20					
9	END OF BORING	20							

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 1 of 1  
Date 9/11/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2044 (E) Station 106+50

BORING NO. C-3 Station 106+75 Offset 50.00# RT Ground Surface Elev. 462.0 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	B (ft)	S (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
0	Gray Silty Clay LOAM	2	0.92	29					
1	Gray Silty Clay LOAM (continued)	4	0.81	27					
2	Brown Silty Clay LOAM	3	0.77	25					
3	Gray/Blue/Brown Mottled Silty Clay LOAM (A-6(9))	3	0.49	28					
4	Gray Silty Clay LOAM	3	0.19	28					
5	END OF BORING	7	0.65	28					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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DESIGNED - KRG  
CHECKED - MJK  
DRAWN - GSJ  
CHECKED - MJK

BORING LOGS  
STRUCTURE NO: 082-2044

SHEET NO. 15	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	600	60-(30,31,128)-1	St. Clair	399	256
15 SHEETS	STRUCTURE NO: 082-2044		CONTRACT NO. 76830		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

MID-AMERICA ENGINEERING SERVICES