

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 327	13B-1 & 13B-2	MARION	78	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 94964

SHEET NO. 16
17 SHEETS

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG Page 1 of 4
Date 10/21/04

ROUTE FAP 327 (US 50) DESCRIPTION Skilllet Fork Creek LOGGED BY E. Sandschaffer

SECTION 13 B-2 LOCATION NW 1/4, SEC. 11, TWP. 2 N, RNG. 4 E, 3 PM

COUNTY Marion DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 061-0041
Station 679+43

BORING NO. 1 (E Abut)
Station 375+58
Offset 9.50 ft. Rt
Ground Surface Elev. 469.89 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	WATER	TEMPERATURE	REMARKS	UNCONF. COMP. STRENGTH (lb/in ²)	REMARKS
0	25.75" Asphalt Pavement.						
4	Very stiff to medium, damp, gray, SILTY CLAY.	BS					
24		BS					
24	Red, SANDY LOAM.	BS					
26	Soft to medium, very damp to damp, gray, SILTY LOAM.	B					
27		B					
28		B					
26		B					
23		B					
15	Very stiff, damp, gray, CLAY LOAM TILL.	B					
3		B					

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)

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG Page 2 of 4
Date 10/21/04

ROUTE FAP 327 (US 50) DESCRIPTION Skilllet Fork Creek LOGGED BY E. Sandschaffer

SECTION 13 B-2 LOCATION NW 1/4, SEC. 11, TWP. 2 N, RNG. 4 E, 3 PM

COUNTY Marion DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 061-0041
Station 679+43

BORING NO. 1 (E Abut)
Station 375+58
Offset 9.50 ft. Rt
Ground Surface Elev. 469.89 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	WATER	TEMPERATURE	REMARKS	UNCONF. COMP. STRENGTH (lb/in ²)	REMARKS
14	Very stiff, damp, gray to brown, CLAY TILL (continued)	B					
16		B					
18		B					
21	Very stiff, damp, gray, CLAY SHALE.	B					
22		B					
22	Medium to stiff, damp, gray marbled blue, CLAY TILL w/ few sand deposits.	B					
22		B					
18		B					
15	Stiff, damp, gray, CLAY TILL.	B					
18		B					
4		B					

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Illinois Department of Transportation
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SOIL BORING LOG Page 3 of 4
Date 10/21/04

ROUTE FAP 327 (US 50) DESCRIPTION Skilllet Fork Creek LOGGED BY E. Sandschaffer

SECTION 13 B-2 LOCATION NW 1/4, SEC. 11, TWP. 2 N, RNG. 4 E, 3 PM

COUNTY Marion DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 061-0041
Station 679+43

BORING NO. 1 (E Abut)
Station 375+58
Offset 9.50 ft. Rt
Ground Surface Elev. 469.89 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	WATER	TEMPERATURE	REMARKS	UNCONF. COMP. STRENGTH (lb/in ²)	REMARKS
17	Stiff, damp, blue/gray, SANDY LOAM. (continued)	B					
17		B					
17	Very dense, damp, gray, SANDSTONE.	B					
17		B					
24	Broke split spoon sampler.	B					
24	Gray, wet, fine grained, SAND with GRAVEL. 15% passing #200 sieve.	B					
24		B					
24	Borehole continued with rock coring.	B					
24		B					

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BBS, from 137 (Rev. 8-99)

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District 7 Materials

ROCK BORING LOG Page 4 of 4
Date 10/21/04

ROUTE FAP 327 (US 50) DESCRIPTION Skilllet Fork Creek LOGGED BY E. Sandschaffer

SECTION 13 B-2 LOCATION NW 1/4, SEC. 11, TWP. 2 N, RNG. 4 E, 3 PM

COUNTY Marion CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 061-0041
Station 679+43

BORING NO. 1 (E Abut)
Station 375+58
Offset 9.50 ft. Rt
Ground Surface Elev. 469.89 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	WATER	TEMPERATURE	REMARKS	UNCONF. COMP. STRENGTH (lb/in ²)	REMARKS
1	Very dense, moist, Gray, SANDY CLAY SHALE.	B					
1		B					
1	Hard, gray, SANDSTONE.	B					
1	Gray, SANDY CLAY SHALE.	B					
1	Hard, gray, SANDSTONE.	B					
1	Gray, SANDY CLAY SHALE.	B					
1	Gray, CLAY SHALE.	B					
1		B					
1	Black, COAL.	B					
1	Gray, CLAY SHALE, thick layering, soft.	B					
1		B					
1	Extent of exploration.	B					
1		B					

Benchmark: BM 105 Chisled square in NW wingwall of Skilllet Fork Creek bridge = 467.98', Station 374+75, Rt 17, provided by Program Development.

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BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.P. RTE. 327 - SEC. 13B-1 & 13B-2
MARION COUNTY
STATION 375+53.00
STRUCTURE NO. 061-0091