

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 7/11/08

ROUTE FAP 752 (IL 185) DESCRIPTION Camp Creek LOGGED BY E. Sandschafer

SECTION (U-2BR1)B-1 LOCATION E 1/2, SEC. 15, TWP. 6 N, RNG. 1 E, 3 PM

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

STRUCT. NO. 026-0059 Station 51+53

BORING NO. 2008-2 Station 49+69 Offset 9.00R Rt Ground Surface Elev. 477.79 ft

DEPTH (ft)	(#)	(%)	(tsf)	(%)
18	0.1	21		
37	B			
48	1.2	13		
50/2'	S			
50/2'				
50/3'		7		
50/1'				
50/0'				

Surface Water Elev. 462.47 ft
Stream Bed Elev. 461.43 ft

Groundwater Elev.:
First Encounter 448.0 ft
Upon Completion 467.2 ft
After 24 Hrs. 462.8 ft

Very soft, wet, gray, SANDY LOAM. (continued)

Shif. moist, blue gray, SILTY SHALE

Borehole continued with rock coring.

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 T206)
BBS, from 137 (Rev. 8-99)

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ROCK CORE LOG

Date 7/11/08

ROUTE FAP 752 (IL 185) DESCRIPTION Camp Creek LOGGED BY E. Sandschafer

SECTION (U-2BR1)B-1 LOCATION E 1/2, SEC. 15, TWP. 6 N, RNG. 1 E, 3 PM

COUNTY Fayette CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 026-0059 Station 51+53

BORING NO. 2008-2 Station 49+69 Offset 9.00R Rt Ground Surface Elev. 477.79 ft

CORING BARREL TYPE & SIZE NW conv dbl bbl
Core Diameter 2.06 in
Top of Rock Elev. 368.29 ft
Begin Core Elev. 362.79 ft

DEPTH (ft)	(#)	(%)	(min/ft)	(tsf)
362.79	B2C1	100	0	1.6
369.66				
360.56				
378.85				
378.56				
-100	B2C2	68	78	1.2
372.79				
-105				
-110				
-115				

Gray, moderately weathered, SILTY CLAY SHALE.

Gray SANDSTONE

Gray, moderately weathered, SILTY CLAY SHALE.

Brown, hard, SANDSTONE

Gray, moderately weathered, SILTY CLAY SHALE.


Rock core B2C1 from 104.0' to 104.3' depth Qu = 25.7 tsf.

Extent of exploration.

Benchmark: BM 172 chiseled square on NW wingwall of existing bridge, Sta 49+85, 18.8 Lt = 477.48' elevation.

Color pictures of the cores Available on request
Cores will be stored for examination until 07/11/09
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

BORING LOGS
STRUCTURE NO. 026-0105

SHEET NO. 34	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	752	(U-2BR1)B-1	FAYETTE	71	56
38 SHEETS	CONTRACT NO. 74235		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
 OATES ASSOCIATES Consulting Engineers Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115	DESIGNED	-			
	CHECKED	-			
	DRAWN	-			
	CHECKED	-			