

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG Page 1 of 2

ROUTE FAP 328 (US 45) DESCRIPTION Seven Mile Creek LOGGED BY E. Sandschafer

SECTION 109B-1 LOCATION Sec 28 - NW 14, Sec 29 - NE 14, SEC., TWP. 5 S. RNG. 8 E. 3 PM

COUNTY White DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 097-0025 Station _____

BORING NO. 1 Station 52' S of center existing bridge
Offset 14.00R W of CL
Ground Surface Elev. 432.05 ft

DEPTH (ft)	LOG	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Washed	ft	After	Hrs.	Samples	ft
431.55	Existing aggregate shoulder.			421.63	421.28									
430.05	Red, CLAY w/some sand.	4												
427.55	Stiff, damp, brown mottled gray, SILTY LOAM.	6	1.3											
426.05	Soft to medium, damp, red w/ black specks, SANDY LOAM.	3	0.5											
425.05	Very soft, very damp, gray, SILTY LOAM w/many wood fragments.	1	0.1											
422.55	Stiff, damp, red & gray, CLAY LOAM.	3	1.4											
419.99	Stiff, damp, red marbled gray, CLAY LOAM.	2	1.7											
418.46	Wet, red, medium grained, SAND, Tan, soft, SANDY CLAY SHALE.	6												

* 500", 600", 500"
** Very dense, moist, gray, SANDSTONE, very hard. Fractured into 1/8" chips.

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 T208)
BBS, from 137 (Rev. 8-99)

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ROCK BORING LOG Page 2 of 2

ROUTE FAP 328 (US 45) DESCRIPTION Seven Mile Creek LOGGED BY E. Sandschafer

SECTION 109B-1 LOCATION Sec 28 - NW 14, Sec 29 - NE 14, SEC., TWP. 5 S. RNG. 8 E. 3 PM

COUNTY White CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 097-0025 Station _____

BORING NO. 1 Station 52' S of center existing bridge
Offset 14.00R W of CL
Ground Surface Elev. 432.05 ft

DEPTH (ft)	LOG	R	C	Q	U	Core	Strength
412.75	Very hard, gray, SANDSTONE w/lew 12" seams of Clay Shale.	100	49				
407.05	Gray, slightly weathered, CLAY SHALE.	100	63				
406.55	Hard, gray, SANDSTONE.						
399.45	Gray, slightly weathered, SANDY CLAY SHALE.						
397.75	Extent of exploration.						

Benchmark: BM #204 RR spike in telephone pole Station 75+34, Lt 39', Elevation = 431.78'

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

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SOIL BORING LOG Page 1 of 1

ROUTE FAP 328 (US 45) DESCRIPTION Seven Mile Creek LOGGED BY E. Sandschafer

SECTION 109B-1 LOCATION Sec 28 - NW 14, Sec 29 - NE 14, SEC., TWP. 5 S. RNG. 8 E. 3 PM

COUNTY White DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 097-0025 Station _____

BORING NO. 2 Station 52' N of center existing bridge
Offset 15.00R E of CL
Ground Surface Elev. 431.97 ft

DEPTH (ft)	LOG	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Washed	ft	After	Hrs.	Samples	ft
431.47	Existing aggregate shoulder.			421.63	421.28									
429.97	Stiff to medium, damp, red mottled gray, CLAY LOAM.	2	1.5											
424.97	Soft to medium, damp to very damp, red to gray, SILTY LOAM.	1	0.5											
419.27	Very stiff, damp, red mottled gray, CLAY.	2	1.5											

Benchmark: BM #204 RR spike in telephone pole Station 75+34, Lt 39', Elevation = 431.78'

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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SOIL BORING LOG Page 1 of 1

ROUTE FAP 328 (US 45) DESCRIPTION Seven Mile Creek LOGGED BY E. Sandschafer

SECTION 109B-1 LOCATION Sec 28 - NW 14, Sec 29 - NE 14, SEC., TWP. 5 S. RNG. 8 E. 3 PM

COUNTY White DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 097-0025 Station _____

BORING NO. 3 Station 4' S of center of existing bridge
Offset 14.00R E of CL
Ground Surface Elev. 431.99 ft

DEPTH (ft)	LOG	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Washed	ft	After	Hrs.	Samples	ft
431.29	Existing aggregate shoulder.			421.63	421.28									
429.99	Medium, damp, brown, CLAY LOAM w/many 1/4" pebbles.	2	0.8											
419.99	Stiff, damp, red marbled gray, CLAY LOAM.	2	1.7											
415.99	Very stiff, damp, red mottled gray, CLAY.	4	2.2											

Benchmark: BM #204 RR spike in telephone pole Station 75+34, Lt 39', Elevation = 431.78'

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)

BORING LOGS
FOR STAGE CONSTRUCTION
F.A.P. RT. 328 SEC. 109B-1
WHITE COUNTY
STATION 74+70.00
STRUCTURE No. 097-2012