

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 322	24BR-1	FAYETTE	57	41
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 94770



SOIL BORING LOG

Page 1 of 4

ROUTE FAP 322 (US 51) DESCRIPTION Richland Creek LOGGED BY E. Sandschafer
SECTION 24BR-1 LOCATION Sec 3 - SW 1/4, Sec 4 - SE 1/4, SEC. TWP. 5 N. RNG. 1 E. 3 PM
COUNTY Fayette DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	STATION	BORING NO.	DEPTH (ft)	DESCRIPTION	UCS (psi)	Failure Mode	SPT (blows)
026-0038	228+67.4	2		Surface Water Elev. Dry ft			
				Stream Bed Elev. 488.72 ft			
				Groundwater Elev. First Encounter 465.7 ft			
				Upon Completion Washed ft			
				After 24 Hrs. 465.5 ft			
				Ground Surface Elev. 477.67 ft			
				3 3/4" asphalt on 3 1/4" concrete pavement			
			478.57	Very stiff, damp, gray, SANDY CLAY.			
			473.17	Soft, very damp, gray, SANDY CLAY LOAM.			
			473.67	Soft, damp, gray, SANDY LOAM w/ trace fine gravel.			
			468.17	Very soft, damp, gray, SILTY LOAM.			
			466.17	Very loose, wet, gray, fine grained, SAND. 7% passing #200 sieve.			
			460.67	Medium, damp, brown marbled gray, SANDY CLAY LOAM.			
			458.17	Stiff, damp, gray, SANDY LOAM.			

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)



SOIL BORING LOG

Page 2 of 4

ROUTE FAP 322 (US 51) DESCRIPTION Richland Creek LOGGED BY E. Sandschafer
SECTION 24BR-1 LOCATION Sec 3 - SW 1/4, Sec 4 - SE 1/4, SEC. TWP. 5 N. RNG. 1 E. 3 PM
COUNTY Fayette DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	STATION	BORING NO.	DEPTH (ft)	DESCRIPTION	UCS (psi)	Failure Mode	SPT (blows)
026-0038	228+67.4	2		Surface Water Elev. Dry ft			
				Stream Bed Elev. 488.72 ft			
				Groundwater Elev. First Encounter 465.7 ft			
				Upon Completion Washed ft			
				After 24 Hrs. 465.5 ft			
				Ground Surface Elev. 477.67 ft			
				Very dense, very moist, gray, CLAY TILL. (continued)			
			433.17	Very soft, damp, gray, SANDY LOAM.			
			428.17	Hard, very moist, gray, CLAY TILL.			
			423.17	Loose to medium, wet, gray, fine grained, SAND.			
			403.17	Medium, wet, gray, GRAVELY SAND. 12% passing #200 sieve.			
			401.67	Augered through.			
			397.67	Estimated SAND & GRAVEL.			

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)



SOIL BORING LOG

Page 3 of 4

ROUTE FAP 322 (US 51) DESCRIPTION Richland Creek LOGGED BY E. Sandschafer
SECTION 24BR-1 LOCATION Sec 3 - SW 1/4, Sec 4 - SE 1/4, SEC. TWP. 5 N. RNG. 1 E. 3 PM
COUNTY Fayette DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	STATION	BORING NO.	DEPTH (ft)	DESCRIPTION	UCS (psi)	Failure Mode	SPT (blows)
026-0038	228+67.4	2		Surface Water Elev. Dry ft			
				Stream Bed Elev. 488.72 ft			
				Groundwater Elev. First Encounter 465.7 ft			
				Upon Completion Washed ft			
				After 24 Hrs. 465.5 ft			
				Ground Surface Elev. 477.67 ft			
				Augered through.			
				Estimated SAND & GRAVEL.			
				Attempted to sample, failed to wash through sampler due to sand & large gravel.			
				End drilling 09/20/06.			
				Start drilling 08/21/06.			
				Very dense, moist, gray, SANDY CLAY SHALE. Broke 2 teeth on lead auger.			
				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)

BENTON & ASSOCIATES, INC.

DESIGNED	MBH
CHECKED	NRF
DRAWN	MBH
CHECKED	NRF

SOIL BORINGS
US 51 / RICHLAND CREEK
F.A.P. RT. 322
FAYETTE COUNTY
SN. 026-0104