STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 8/26/08

ROUTE FAP 750 (IL 185) **DESCRIPTION** East Fork of Kaskaskia River **LOGGED BY** E. Sandschafer

SECTION 114B-1(1) **LOCATION** SW 1/4, **SEC.** 30, **TWP.** 5 N, **RNG.** 4 E, 3 **PM**

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

STRUCT. NO. 026-0070
Station 940+00

BORING NO. 1
Station 939+58
Offset 7.00ft Rt
Ground Surface Elev. 573.69 ft

Surface Water Elev. 565.67 ft
Stream Bed Elev. 564.98 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 24 **Hrs.** Dry ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				6" asphalt on 9" concrete pavement.
572.49				
	3			Medium, damp, gray, SILTY CLAY.
	3			*No recovery this trip - concrete chunk in sampler shoe.*
	3			
-5	2			
	3	0.8	24	
	4	B		
566.69				
	2			Stiff, damp, gray, CLAY TILL.
	4	1.9	20	
	5	B		
564.19				
-10	2			Medium, damp, gray mottled red, CLAY LOAM TILL.
	3	0.8	22	
	3	B		
561.69				
	2			Very stiff, damp, red, SILTY CLAY LOAM TILL.
	4	2.1	16	
	5	B		
	9			
-15	18	6.4	11	
	32	S		
556.69				
	5			Hard, damp, red, SILTY LOAM TILL.
	13	4.4	11	
	20	S		
553.69 -20	9			
	16	8.1	10	Hard, very moist, gray, SANDY CLAY LOAM TILL.
	24	S		
551.19				
	8			
	15	8.7	9	Hard, very moist, gray, CLAY LOAM TILL.
	20	BS		
-25	10			
	14	9.1	9	
547.69	18	S		
				Extent of exploration.
				Benchmark: BM 108 Chiseled square on NW wingwall of existing structure, Sta 939+75, 21.6' Rt = 573.34' elevation. Provided by Program Development.
-30				
-35				
-40				

Latitude W 88 deg 47 871 min, Longitude N 38 deg 50 774 min, Map Datum WGS 84

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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ROUTE FAP 750 (IL 185) **DESCRIPTION** East Fork of Kaskaskia River **LOGGED BY** E. Sandschafer

SECTION 114B-1(1) **LOCATION** SW 1/4, **SEC.** 30, **TWP.** 5 N, **RNG.** 4 E, 3 **PM**

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

STRUCT. NO. 026-0070
Station 940+00

BORING NO. 2
Station 940+43
Offset 13.50ft Lt
Ground Surface Elev. 573.46 ft

Surface Water Elev. 565.67 ft
Stream Bed Elev. 564.98 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion 555.5 ft
After 24 **Hrs.** 556.5 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				6" Mixture of aggregate and millings.
572.96				
	3			Gray, SANDY CLAY LOAM.
571.46				
	3	1.5	15	Stiff, damp, light gray mottled red, CLAY LOAM.
	5	PP		
568.96				
-5	4			Medium, damp, gray mottled red, SANDY LOAM.
	4	0.9	19	
	4	S		
566.46				
	2			Medium, damp, gray, CLAY.
	3	0.8	24	
	4	B		
563.46 -10	2			
	2	0.6	25	Medium, damp, gray/red/blue, SILTY CLAY.
	3	B		
561.46				
	1			Medium, damp, red marbled gray, LOAM.
	2	0.6	23	
	3	B		
558.46 -15	4			
	6	2.0	25	Stiff to very stiff, very moist, red, SILT.
	9	S		
556.46				
	6			Very stiff, damp, gray, SILTY CLAY.
	11	2.4	19	
	15	BS		
553.46 -20	5			
	7	3.3	13	Very stiff, damp, gray, CLAY LOAM TILL.
	10	B		
	7			
	13	8.0	10	
	18	S		
-25	3			
	7	3.0	13	
547.46	17	BS		
				Extent of exploration.
				Benchmark: BM 108 Chiseled square on NW wingwall of existing structure, Sta 939+75, 21.6' Rt = 573.34' elevation. Provided by Program Development.
-30				
-35				
-40				

Latitude W 88 deg 47 856 min, Longitude N 38 deg 50 782 min, Map Datum WGS 84

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)

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	-

ie consultants

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SOIL BORINGS
S.N. 026-2020

SHEET NO. 9 OF 9 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	114B-1(1) & 114B-1(2)	FAYETTE	54	27
	* F.A.P. RTE. 750, F.A.S. RTE. 719		CONTRACT NO. 74110		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		