

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 8/25/08

ROUTE FAS 719 (IL 185) DESCRIPTION Un-named Stream at WCL of Farina LOGGED BY E. Sandschafer

SECTION 114B-1(2) LOCATION N 1/2, SEC. 32, TWP. 5 N, RNG. 4 E, 3 PM

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

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	DESCRIPTORS	UCS (tsf)	FAILURE MODE	DEPT H (ft)	DESCRIPTORS	UCS (tsf)	FAILURE MODE
026-0072	1033+53.7	1	1033+19	10.00 ft	572.41		2 1/8" asphalt on 8 3/4" concrete pavement.			7	Very stiff, damp, gray, CLAY TILL	2.9	B
						8				8			
						4				4	Very stiff, damp, gray/brown, CLAY LOAM TILL	2.6	B
						5				11			
						1				4			
						2				8			
						3				10			
						565.41				8	Very stiff, damp, brown/blue/red, SANDY LOAM TILL	3.1	S
						2				15			
						3				23			
						562.91				23	Extent of exploration.		
						-10				-30			
						2				2	Benchmark: BM 101 Chiseled square on SW corner of wingwall on NW corner of existing bridge, Sta 1033+38, 19.4' Lt = 572.53' elevation. Provided by Program Development.		
						2				2			
						560.41				6	Very stiff, damp, red to gray, SANDY LOAM TILL to SANDY CLAY TILL	2.4	B
						13				13			
						4				7			
						10				10			
						566.41				10	Medium, damp, gray, SANDY LOAM TILL	0.6	S
						10				18			
						18				18			
						562.41				4			

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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026-0072	1033+53.7	2	1033+89	10.00 ft	572.44		8 1/4" asphalt on 8 3/4" concrete pavement			40	Very stiff to hard, damp, gray, CLAY TILL w/ some Sandstone fragments (continued)	4.0	PP
						8				37			
						4				9	Hard, damp, gray, CLAY LOAM TILL	5.0	B
						3				11			
						4				15			
						568.94				15	Augered through concrete.		
						567.94				6	No recovery - concrete chunk in sampler shoe.		
						2				8	1" layer of wet, fine grained, Sand.	4.1	B
						3				13			
						565.44				5	Stiff, damp, gray, SILTY CLAY.		
						3				11	Very stiff, damp, gray, SILTY CLAY to SILTY CLAY SHALE.	2.7	B
						3				16			
						562.94				16	Extent of exploration.		
						-10				-30			
						2				2	Stiff, damp, gray, CLAY w/ trace Silt and wood fragments.		
						2				2			
						569.94				4	Benchmark: BM 101 Chiseled square on SW corner of wingwall on NW corner of existing bridge, Sta 1033+38, 19.4' Lt = 572.53' elevation. Provided by Program Development.		
						6				8	Hard, damp, brown, SANDY CLAY TILL	4.8	B
						567.94				5	Very stiff, damp, brown, SANDY CLAY LOAM TILL		
						10				10			
						11				11			
						565.44				6	Hard, damp, gray, CLAY LOAM TILL	4.4	B
						14				16			
						562.94				8			

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BBS, from 137 (Rev. 8-99)

DESIGNED SCD
CHECKED DRB
DRAWN THW
CHECKED SCD

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SOIL BORINGS
S.N. 026-2019

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	*	114B-1(1) & 114B-1(2)	FAYETTE	54	50
* F.A.P. RTE. 750, F.A.S. RTE. 719 CONTRACT NO. 74110					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			