

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 8/25/08

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	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETROMETER (SPT) (blows)	DESCRIPTION	SURFACE WATER ELEV. ft	STREAM BED ELEV. ft	GROUNDWATER ELEV. ft	FIRST ENCOUNTER ft	UPON COMPLETION ft	AFTER 24 HRS. ft	DEPTH (ft)	BULGE (ft)	SHEAR (tsf)	PENETROMETER (SPT) (blows)
028-0072 1033+53.7					Surface Water Elev. 593.08 ft Stream Bed Elev. 592.74 ft										
1 1033+19					Groundwater Elev.: First Encounter Dry ft Upon Completion Dry ft After 24 Hrs. 559.2 ft										
	0				2 1/8" asphalt on 8 3/4" concrete pavement.										
	1				Stiff to medium, damp, gray, SILTY CLAY										
	4				Very stiff, damp, gray, CLAY TILL										
	3	1.2		20	Very stiff, damp, gray/brown, CLAY LOAM TILL										
	5	B													
	1														
	2	1.0		22											
	3	B													
	585.41				Medium to stiff, damp, gray, CLAY w/trace Silt										
	2	1.0		23	Very stiff, damp, brown/blue/red, SANDY LOAM TILL										
	3	B													
	562.91				Extent of exploration.										
	0				Soft to medium, damp, gray marbled red, SILTY CLAY										
	2	0.5		23											
	2	B													
	569.41				Very stiff, damp, red to gray, SANDY LOAM TILL to SANDY CLAY TILL										
	3	2.4		15											
	6	B													
	13	B													
	4														
	7	4.1		10											
	10	B													
	558.41				Medium, damp, gray, SANDY LOAM TILL										
	10														
	19	0.6		7											
	18	S													
	552.41														
	20														

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					Surface Water Elev. 593.08 ft Stream Bed Elev. 592.74 ft										
2 1033+56					Groundwater Elev.: First Encounter 547.4 ft Upon Completion 548.4 ft After 24 Hrs. 558.6 ft										
	0				8 1/4" asphalt on 8 3/4" concrete pavement										
	1				Very stiff to hard, damp, gray, CLAY TILL w/ some Sandstone fragments. (continued)										
	4				Soft to medium, damp, gray, CLAY										
	3														
	3	0.5		23	Hard, damp, gray, CLAY LOAM TILL										
	4	B													
	998.94				Augered through concrete.										
	567.94				No recovery - concrete chunk in sampler shoe.										
	5														
	2				1" layer of wet, fine grained, Sand.										
	3														
	565.44				Stiff, damp, gray, SILTY CLAY										
	1														
	3	1.7		20	Very stiff, damp, gray, SILTY CLAY to SILTY CLAY SHALE										
	3	B													
	543.94				Extent of exploration.										
	592.94				Stiff, damp, gray, CLAY w/ trace Silt and wood fragments.										
	2														
	2	1.1		24											
	2	B													
	559.94				Hard, damp, brown, SANDY CLAY TILL										
	4	4.8		11											
	6	B													
	557.94				Very stiff, damp, brown, SANDY CLAY LOAM TILL										
	5														
	10	3.1		11											
	11	S													
	555.44				Hard, damp, gray, CLAY LOAM TILL										
	5														
	14	4.4		10											
	16	B													
	552.94														
	20														

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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
OF 9 SHEETS	* F.A.P. RTE. 750, F.A.S. RTE. 719		CONTRACT NO. 74110		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		