

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-3)B-1	HAMILTON	140	84
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #78006



Illinois Department of Transportation
Division of Highways
Ill. Dept. of Trans. D-7

SOIL BORING LOG

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Date 7/28/05

ROUTE FAP 776 (IL 142) DESCRIPTION Un-Named Stream LOGGED BY E. Sandschafer
SECTION (116BR-1, BR-2, BR-3)B-1 LOCATION SE 1/4, SEC. 31, TWP. 6 S, RNG. 7 E, 3 PM
COUNTY Hamilton DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	Station	DEPTH	BULGE	UCS	MOISTURE	DESCRIPTION	DEPTH	BULGE	UCS	MOISTURE
033-0022	545+50	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)
						Surface Water Elev. 358.29 ft				
						Stream Bed Elev. 358.29 ft				
						Groundwater Elev.: First Encounter 336.0 ft Upon Completion 348.3 ft After 24 Hrs. 357.7 ft				
		362.04				Soft to medium, damp, gray, SANDY LOAM.	0	0.5	17	
							3	BS		
		361.04				Medium to very stiff, damp, gray, CLAY.				
			2				1			
			3	0.8	29		2	0.3	18	
			3	PP			2	B		
						Medium, very damp, gray, fine grained, SAND. 25% passing #200 sieve.				
			0				3			
			2	0.9	30		5		19	
			3	B			8			
						Soft, very damp, gray, SANDY LOAM w/ gravel.				
			1				3			
			3	1.4	24		2	0.4	16	
			4	B			3	B		
						Medium, wet, gray, fine grained, SAND. 6% passing #200 sieve.				
			3				3			
			3	2.4	23		8		18	
			5	B			7			
						Soft, damp, gray, SILTY LOAM w/ organics.				
			1							
			3	0.3	24					
			2	B						
						Medium to hard, damp, gray, CLAY TILL.				
			0				1			
			2	0.3	28		2	0.8	15	
			2	B			4	B		
						6% passing #200 sieve.				
			0							
			0	0.3	26					
			1	B						
		343.04								
			0				9			

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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						Groundwater Elev.: First Encounter 336.0 ft Upon Completion 348.3 ft After 24 Hrs. 357.7 ft				
						Medium to hard, damp, gray, CLAY TILL. (continued)				
							11	4.8	11	
							16	B		
						Very dense, moist, gray, CLAY SHALE.				
							6			
							13	4.0	12	
							17	B		
						Extent of exploration.				
							50/4"			
							50/2"		6	
							50/2"			
						Benchmark: BM 512 chiseled square on top of NE hubguard of existing bridge Station 543+60, Lt 17 = 371.36', provided by Program Development.				
						Note: Two sets of conflicting stationing present, borings referenced off nails on centerline.				
						B1 - 75' N of center of existing bridge.				
						B2 - 39' N of center of existing bridge.				
						B3 - 20' S of center of existing bridge.				
						B4 - 76' S of center of existing bridge.				

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BORING 2

<p>HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS</p>		<p>BORING 2 IL RTE. 142 OVER CONTRARY CREEK (SOUTH OVERFLOW) F.A.P. ROUTE 776 - SECTION (116BR-3)B-1 HAMILTON COUNTY STRUCTURE NO. 033-0052 / STATION 544+53.10</p>	
<p>3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400</p>		<p>ELGIN • SPRINGFIELD</p>	
<p>PROJECT NUMBER: 12-41-0021-1</p>		<p>DATE: 10/25/07</p>	
<p>DESIGNED: R.J.P.</p>		<p>CHECKED: S.W.M.</p>	
<p>DRAWN: D.A.B.</p>		<p></p>	