

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOP SHEETS	SHEET	SHEET NO.
F.A.P. 776	(116BR-2)B-1	HAMILTON	140	63	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #78006



Illinois Department of Transportation
Division of Highways
Ill. Dept. of Trans. 5-7

SOIL BORING LOG

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Date 7/29/05

ROUTE FAP 776 (IL 142) DESCRIPTION Un-Named Stream LOGGED BY E. Sandschafer
(116BR-1, BR-2, BR-3)
SECTION 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	BORING NO.	Station	Offset	Ground Surface Elev.	D B U M				Surface Water Elev.	Stream Bed Elev.	D B U M					
						P	L	C	O			P	L	C	O		
033-0021	539+74	2	539+78	22.60ft Lt	362.42					395.02	395.02						
Broken concrete and wire.																	
Soft, very damp, brown/gray/red, SILTY LOAM. (continued)																	
339.92																	
Soft, very damp, red/gray/black, LOAM.																	
358.92																	
Stiff to medium, damp, brown mottled gray, CLAY.																	
337.92																	
Medium, damp, gray/tan/black, CLAY TILL.																	
335.42																	
Soft, very damp, gray, SILT.																	
350.42																	
Medium, damp, brown mottled gray, SILTY LOAM.																	
347.92																	
Medium, damp, red mottled gray, SILTY CLAY.																	
345.42																	
Soft, very damp, brown/gray/red, SILTY LOAM.																	
322.42																	

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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SOIL BORING LOG

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Date 7/29/05

ROUTE FAP 776 (IL 142) DESCRIPTION Un-Named Stream LOGGED BY E. Sandschafer
(116BR-1, BR-2, BR-3)
SECTION 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	BORING NO.	Station	Offset	Ground Surface Elev.	D B U M				Surface Water Elev.	Stream Bed Elev.	D B U M					
						P	L	C	O			P	L	C	O		
033-0021	539+74	2	539+78	22.60ft Lt	362.42					395.02	395.02						
Very loose, wet, gray, fine grained, SAND. 41% passing #200 sieve.																	
316.92																	
Medium to stiff, damp, gray, CLAY TILL.																	
312.92																	
Medium, damp, gray, SANDY LOAM.																	
311.92																	
Gray, CLAY TILL.																	
* Very dense, moist, gray pockerchipped & powdered, CLAY SHALE																	
** 50/4", 50/1" & 50/1"																	
Borehole continued with Rock Core.																	
302.92																	
302.42																	

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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ROCK CORE LOG

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Date 7/29/05

ROUTE FAP 776 (IL 142) DESCRIPTION Un-Named Stream LOGGED BY E. Sandschafer
(116BR-1, BR-2, BR-3)
SECTION B-1 LOCATION SE 1/4, SEC. 31, TWP. 6 S, RNG. 7 E, 3 PM
COUNTY Hamilton CORING METHOD Rotary, surf set diamond bit

STRUCT. NO.	STATION	BORING NO.	Station	Offset	Ground Surface Elev.	CORING METHOD		Surface Water Elev.	Stream Bed Elev.	D B U M				Core Diameter	Top of Rock Elev.	Begin Core Elev.
						R	C			P	L	C	O			
033-0021	539+74	2	539+78	22.60ft Lt	362.42											
Gray, slightly weathered, soapy, CLAY SHALE.																
Extent of exploration.																
Benchmark: BM 513 Chiseled square on top of NE corner of hubguard of existing bridge Sta 538+50, L1 17' = 371.40', 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 - 4' S of center of existing bridge.																
B3 - 38' S of center of existing bridge.																
B4 - 73' S of center of existing bridge.																

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

BORING 2

<p>HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS</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 DATE: 09/25/07</p>	
<p>DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.</p>		<p>IL RTE. 142 OVER CONTRARY CREEK (NORTH OVERFLOW) F.A.P. ROUTE 776 - SECTION (116BR-2)B-1 HAMILTON COUNTY STRUCTURE NO. 033-0051 / STATION 539+14.20</p>	

PLOT DATE: 10/26/2007 FILE NAME: 0530051-78006-41021br.dgn