STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-2)B-1	HAMILTON	140	62
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 18
21 SHEETS

Contract #78006

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

SOIL BORING LOG

Page 1 of 2

Date 7/20/05

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. 033-0021
Station 539+74
BORING NO. 1
Station 538+99
Offset 9.20ft Rt
Ground Surface Elev. 370.80 ft

Surface Water Elev. 395.02 ft
Stream Bed Elev. 395.02 ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt pavement. 369.80			
Stiff to medium, damp, gray, CLAY w/ silt.	3		
	3	1.0	28
	3	B	
	0		
	2	0.6	30
	3	B	
361.30			
Medium, damp, gray, SILTY CLAY w/ several wood chunks.	0		
	2	0.8	29
	3	B	
358.80			
Stiff to medium, damp, gray/red/brown, CLAY w/ silt.	2		
	3	1.0	26
	4	B	
	2		
	3	1.7	23
	5	B	
	1		
	2	1.0	28
	3	B	
351.30			
	0		
Soft to medium, red mottled gray, SILTY CLAY. *(continued)*	2	0.3	25
	2	B	
	0		
	2	0.9	21
	2	B	
	1		
	2	1.0	25
	2	B	
343.80			
Soft, very damp, brown, SILTY LOAM.	1		
	1	0.5	21
	2	B	
	0		
	1	0.4	28
	2	B	
336.30			
Soft to very soft, very damp, gray, SILT	0		
	0	0.3	34
	1	B	
	0		

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)

Latitude N 37° 09g 57' 150 mm, Longitude W 88° 09g 28' 191 mm, Map Datum WGS 84

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After Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft to very soft, very damp, gray, SILT. *(continued)*	0	0.3	29
	0	B	
	0		
	0	0.2	29
	0	B	
321.30			
Soft, damp, gray, SANDY LOAM.	0		
	2	0.3	24
	6	S	
	10		
Very stiff, very moist, gray, SANDY LOAM TILL. *(continued)*	11	2.4	14
	21	BS	
301.30			
Hard, moist, gray, CLAY SHALE. 300.70	50/4"		
Extent of exploration.	50/2"		5
	50/1"		

Benchmark: BM 513 Chiseled square on top of NE corner of hubguard of existing bridge Sta 538+50, Lt 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.

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BBS, from 137 (Rev. 8-99)

Latitude N 37° 09g 57' 150 mm, Longitude W 88° 09g 28' 191 mm, Map Datum WGS 84

BORING 1

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-41-0021-1	DATE: 09/25/07
DESIGNED: S.M.S.	CHECKED: S.W.M.
	DRAWN: D.B.

BORING LOG 1
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

PLOT DATE :10/26/2007 FILE NAME = 0330051-78006-41021sn-idge0051.dgn