STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-2)B-1	HAMILTON	140	64
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 20
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 8/4/05

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. 033-0021
Station 539+74

BORING NO. 3
Station 540+12
Offset 24.00ft Lt
Ground Surface Elev. 363.03 ft

Surface Water Elev. 395.02 ft
Stream Bed Elev. 395.02 ft

Groundwater Elev.:
First Encounter 338.5 ft
Upon Completion 347.0 ft
After 24 Hrs. 357.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
362.83 Topsoil.			
Very stiff to medium, damp, red marbled gray, CLAY.	3		
	4		23
	5		
-5	3		
	4	1.2	25
	4	B	
	2		
	4	2.3	25
	6	B	
-10	2		
Trace Silt.	3	0.9	29
	4	B	
	2		
350.03 Medium, damp, brown/gray, SILTY CLAY.	2	0.6	24
	3	B	
-15	1		
	2	0.9	20
	4	B	
346.03 Medium, damp, gray marbled brown, SILTY LOAM.	0		
	2	0.7	22
	2	B	
343.53			
-20	0		
Soft to medium, damp, gray marbled red, SILTY CLAY. *(continued)*	2	0.5	21
	2	B	
341.03 Soft, very damp, gray marbled red, SILTY LOAM.	0		
	2	0.3	24
	3	B	
338.03 -25 Stiff to medium, damp, gray, SILTY CLAY.	0		
	2	1.7	31
	3	B	
	1		
	2	0.8	32
	3	B	
333.53 Soft, very damp, gray, SILT.			
-30	0		
	0	0.3	36
	0	B	
328.53 Soft, very damp, gray, SILTY LOAM.			
-35	0		
	1	0.3	33
	1	B	
323.53			
-40	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 deg 27 154 min Longitude W 89 deg 29 175 min Map Datum WGS 84

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SOIL BORING LOG

Page 2 of 2

Date 8/4/05

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, wet, gray, fine grained, SAND. *7% passing #200 sieve.* *(continued)*	2		17
	6		
318.53 Medium to hard, damp, gray, CLAY TILL w/ Sand.	1		
-45	4	0.8	16
	4	B	
-50	2		
	9	4.3	14
	14	B	
-55			
306.53 Very dense, moist, gray, pokerchipped, CLAY SHALE.			
303.03 -60	50/3"		8
Extent of exploration.	50/2"		
	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.*			
-65			
-70			
-75			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Latitude N 37 deg 27 154 min Longitude W 89 deg 29 175 min Map Datum WGS 84

BORING 3

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3095 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 3

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 = 033005l-78006-41021b-dge005l.dgn