STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-1)B-1	HAMILTON	140	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23
25 SHEETS

Contract #78006

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

SOIL BORING LOG

Page 1 of 2

Date 7/15/05

ROUTE FAP 776 (IL 142) DESCRIPTION Contrary Creek LOGGED BY E. Sandschafer
SECTION (116BR-1, BR-2, BR-3)B-1 LOCATION E 1/2, 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. 033-0020
Station 516+75

BORING NO. 1
Station 515+96
Offset 25.80ft Lt
Ground Surface Elev. 371.98 ft

Surface Water Elev. 355.56 ft
Stream Bed Elev. 354.61 ft
Groundwater Elev.:
First Encounter 342.5 ft
Upon Completion ft
After 24 Hrs. 358.0 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil. 371.78			
Brown, CLAY w/ trace sand & gravel. 369.98			
	4		
Stiff to very stiff, damp, brown, CLAY.	4 5	2.0 PP	23
367.48			
-5	1		
Medium, damp, gray/brown/blue, CLAY.	3 4	0.7 B	22
	2		
	4 4	0.8 B	22
-10	0		
	2 3	0.7 BS	26
359.98			
Stiff, damp, gray/brown/red, CLAY.	1		
	2 4	1.2 B	24
-15	2		
	4 4	1.4 B	20
	3		
	4 5	1.9 B	28
352.48			
-20	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to soft, damp, dark gray mottled red, CLAY. *(continued)*	2 4	1.0 B	23
	1		
347.48			
Soft to medium, damp, gray, SILTY LOAM w/ trace sand.	1 2 3	0.5 B	22
-25	1		
	1 1	0.5 B	22
344.98			
Soft, damp, gray, SANDY LOAM w/ few black specks and wood chunks.	0		
	2 2	0.4 B	24
342.48			
-30	1		
Gray, fine grained, SAND. *7% passing #200 sieve.* 341.68	2 1	0.3 B	21
Soft to medium, damp, gray, SILTY LOAM.			
	3		
-35	3		
	3 3	0.6 B	31
331.98 -40	0		

Latitude N 37 deg 57.51 min, Longitude W 89 deg 28.38 min, Map Datum WGS 84

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

Page 2 of 2

Date 7/15/05

ROUTE FAP 776 (IL 142) DESCRIPTION Contrary Creek LOGGED BY E. Sandschafer
SECTION (116BR-1, BR-2, BR-3)B-1 LOCATION E 1/2, 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. 033-0020
Station 516+75

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Station 515+96
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Ground Surface Elev. 371.98 ft

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Groundwater Elev.:
First Encounter 342.5 ft
Upon Completion ft
After 24 Hrs. 358.0 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Soft, damp, gray, SILTY LOAM. *Wood fragments.*	4 9	0.3 B	24
327.48			
Medium, damp, gray, CLAY TILL w/ sand. 326.98	1		
-45	9		
Soft to medium, damp, gray, SANDY LOAM.	8	0.7 B	16
-50	4		
	13 19	0.8 S	22
-55			
-60	3		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very loose, wet, gray, fine grained, SAND. *13% passing #200 sieve. (continued)*	1 0		
-65			
302.48			
Hard, moist, gray, CLAY SHALE. 301.78	50/4"		
-70	50/2"		7
Extent of exploration.	50/2"		
Benchmark: BM 514 Chiseled square on top wingwall on NE corner of existing bridge, Sta 516+37, Lt 17.6' = 370.60'			
-75			
-80			

Latitude N 37 deg 57.51 min, Longitude W 89 deg 28.38 min, Map Datum WGS 84

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BBS, from 137 (Rev. 8-99)

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: 10/25/07
DESIGNED: P.L.	CHECKED: S.W.M.
	DRAWN: D.T.M.

BORING LOGS

IL ROUTE 142 OVER CONTRARY CREEK
F.A.P. ROUTE 776 - SECTION (116BR-1)B-1
HAMILTON COUNTY
STRUCTURE NO. 033-0050 / STATION 516+75