ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 836	118 BR-2	Champaign	45	31
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 20
21 SHEETS

Illinois Department of Transportation
Division of Highways
IDOT – Region 5/Dist 5

SOIL BORING LOG

Date 12/607

ROUTE FAP 836 (IL 49) DESCRIPTION IL 49 over the Little Vermilion River – 4 Miles South of Homer LOGGED BY CNA

SECTION 118BR-2 LOCATION NE, SEC. 5, TWP. 17N, RNG. 14W, 2nd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0284
Station 688+85

BORING NO. 1 North Boring
Station 689+50
Offset 7.0 ft Lt.
Ground Surface Elev. 679.1 ft

Surface Water Elev. 664.0 ft
Stream Bed Elev. 662.6 ft

Groundwater Elev.:
First Encounter 642.1 ft ▼
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pavement	679.1				
Brown Mottled Silty Clay Loam (Embankment)	677.1				
		-5	4 5 6		
Brown Mottled Silty Clay Loam	671.1		1 2 2		
		-10	0 3 2	0.8 B	28
Brown Oxidized Silt to Silty Loam	669.1				
Gray Silty Clay Loam Till	667.1		1 2 3	0.7 B	19
		-15	2 3 4	0.6 B	14
Gray Sandy Clay Loam Till	663.1		2 3 4	0.6 B	14
Gray Silt	659.6	-20	2 4 5	2.3 B	11
Gray Silt (continued)			2 4 7		22
		-25	2 4 5		21
Gray Clay Loam Till	653.1				
		-30	4 6 6	4.5 S	12
Gray Sandy Clay Loam Till	647.1				
(Gray Coarse Sand Seam – 1' Blow In)			10		
		-35	20 23	10.5 S	7
		-40	10 31 43		8

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

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)

Illinois Department of Transportation
Division of Highways
IDOT – Region 5/Dist 5

SOIL BORING LOG

Date 12/607

ROUTE FAP 836 (IL 49) DESCRIPTION IL 49 over the Little Vermilion River – 4 Miles South of Homer LOGGED BY CNA

SECTION 118BR-2 LOCATION NE, SEC. 5, TWP. 17N, RNG. 14W, 2nd PM

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 010-0284
Station 688+85

BORING NO. 1 North Boring
Station 689+50
Offset 7.0 ft Lt.
Ground Surface Elev. 679.1 ft

Surface Water Elev. 664.0 ft
Stream Bed Elev. 662.6 ft

Groundwater Elev.:
First Encounter 642.1 ft ▼
Upon Completion Wash Bored ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Sandy Clay Loam Till (continued)			14		
		-45	24 30	11.6 S	8
		-50	7 11 17	7.4 S	11
Dark Gray Clay Loam Till	627.1				
		-55	5		
		-60	6 11 3 8 12	6.2 B	15 14
Dark Gray Clay Loam Till (continued)	616.1				
Dark Gray Clay	614.1	-65	3 10 14		17
End of Boring		-70			
		-75			
		-80			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

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)

12/19/2007 11:54:21 AM S:\SOILS\BORING LOGS\010-0284.GPJ

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING DATA - 1
IL RTE. 49 OVER LITTLE VERMILION RIVER
FAP 836 SECTION 118BR-2
CHAMPAIGN COUNTY
STA. 688+85 STR. NO. 010-0284

SCALE: VERT. HORIZ.
DATE MAY 2008
DRAWN BY GEW
CHECKED BY MJS

TUG PROJ.* 3107012-01
PLOT DATE = 8/19/2008 4:27:47 PM
FILE NAME = ...\br-ridge\vr-soilbor.dgn

THE UPCHURCH GROUP, INC.