Illinois Department of Transportation
Division of Highways
Illinois department of transportation

SOIL BORING LOG

Date 7/21/03

ROUTE FAP 322 (US 51) DESCRIPTION over Tributary to Main Drainage Ditch LOGGED BY M. Tappan

SECTION 11-10 LOCATION NE 1/4, SEC. 2, TWP. 11 N, RNG. 1 E, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 011-2008 Ex
Station 361+55 +/-

BORING NO. 4 West End
Station 361+00
Offset 110.0ft Lt
Ground Surface Elev. 652.2 ft

Surface Water Elev. 646.5 ft
Stream Bed Elev. 646.5 ft

Groundwater Elev.:
First Encounter 638.2 ft
Upon Completion Washed ft
After 96 Hrs. 647.2 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Dark Grey Moist SILTY CLAY			0		
			1	0.7	27
		-5	2	B	
			0		
Grey			1	0.5	32
			1	B	
			0		
			1	0.7	32
		-10	2	B	
			0		
V. Dark Grey V. Moist SILTY CLAY w/ Organic Material			1	0.5	61
			1	B	
			0		
Grey Free Water			0	0.4	37
		-15	1	B	
			0		
Grey w/ Gastropod Shells Sampler Advanced by Weight of Hammer			0	0.3	31
			0	B	
	634.20				
Tan and Grey V. Moist SILT w/ Organic Material, Gastropod Shells			0		
			1	0.6	91
		-20	1	B	
Tan and Grey V. Moist SILT w/ Organic Material, Gastropod Shells *(continued)*	630.70		0		
V. Light Grey Wet SILT w/ Gastropod Shells Sampler Advanced by Weight of Hammer			0	0.1	51
			0	B	
			0		
Tannish Grey Moist SILT w/ Gastropod Shells			0	0.7	82
		-25	1	B	
	624.70				
Grey Wet SILTY CLAY			0		
Sampler Advanced by Weight of Pipe			0	0.0	28
		-30	0	Slump	
			0		
Sampler Advanced by Weight of Hammer			0	0.0	26
		-35	0	Slump	
	614.20				
Grey V. Moist SANDY CLAY LOAM (Till)			0		
			1	0.5	10
		-40	1	B	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name S:\GEOLOGIST FILES\CHRIS\TANADK-SSO-01 US 51 MOT\EXCEL\A - TO 2 MI N PAWA GPJ Data Template 0STSOIL.GDT Date Printed 5/21/11
Latitude Longitude Datum Units Northing

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Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey V. Moist SANDY CLAY LOAM (Till) *(continued)*					
	609.70				
Grey Medium to Coarse Grained SAND			3		
Washed			8		
		-45	12		
	604.70				
Grey Moist SANDY CLAY LOAM (Till)			3		
Washed			8	4.1	11
		-50	11	S-12	
	600.20				
Grey Moist CLAY LOAM (Till)			7		
Washed			11	6.9	11
		-55	18	S-12	
			3		
Washed			8	5.2	11
		-60	12	B	
Grey Moist CLAY LOAM (Till) *(continued)*			6		
Washed			9	4.9	11
	587.20	-65	11	B	
Boring Completed		-70			
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME =	DESIGNED - MTH	REVISED -
FILE NAME =	CHECKED - ZTB	REVISED -
PLOT SCALE =	DRAWN - AJF	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 011-3413
SHEET NO. 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	260
		CONTRACT NO. 72961		
	ILLINOIS	FED. AID PROJECT		