8/6/2012 7:59:54 AM

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation Dist-6

SOIL BORING LOG

Date 9/20/00

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

SECTION 44 BR-1 LOCATION SW 1/4, SEC. 24, TWP. 12 N, RNG. 1 E, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 011-0002
Station 342+37

BORING NO. 6 N. Pier
Station 342+65
Offset 25.00ft Left
Ground Surface Elev. 635.91 ft

Surface Water Elev. 626.16 ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 622.4 ft
Upon Completion Washed ft
After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey Moist SILTY CLAY (Fill)					
			1		
Poor Recovery			2		
			2		
	630.91	-5			
Brown and Grey Moist CLAY LOAM (Fill)			1		
			2	0.4	24
			2	B	
	628.41				
Grey Moist LOAM			1		
			1	0.3	21
			2	B	
	625.91	-10			
Olive Brown and Grey Moist SILT interbedded with thin Fine Grained SAND			1		
			1	0.6	29
			2	S-12	
	623.41				
Grey Medium Grained Clean SANDY GRAVEL			1		
			7		
Free Water			8		
		-15			
			2		
Washed			8		
			12		
	617.91				
Grey Moist SANDY CLAY LOAM (Till) Washed			2		
			3	1.4	11
			4	B	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey Moist SANDY CLAY LOAM (Till) (continued)			10		
			20	7.0	8
			23	E	
	612.91				
Grey Medium to Coarse Grained Dirty SAND			31		
			55		
			45		
	610.91	-25	/5"		
Grey Moist CLAY LOAM (Till)			9		
			12	5.2	8
			15	S-9	
			3		
			9	5.1	9
			12	S-13	
		-30			
			2		
			8	4.7	10
			12	B	
		-35			
w/ 2" Grey Medium Grained SANDY GRAVEL Seam			3	3.8	10
			9	B	
		-40			

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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After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) (continued)			1		
			6	2.8	10
			10	B	
		-45			
			11		
w/ 4" Medium Grained SAND Seam			23	4.9	9
			35	S-5	
	586.41				
Grey Fine to Medium Grained SAND		-50			
			13		
Washed			23		
			34		
		-55			
			14		
	576.91		100		
Grey Crystalline LIMESTONE			/2"		
	575.91	-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Auger Refusal - Boring Completed					
Refer Elevation to BM # 102 Chisled Square on NW Headwall BM#102=647.95'					
Refer STA to Station 342+00 STA Increase to North					
		-65			
		-70			
		-75			
		-80			

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BBS, from 137 (Rev. 8-99)

BORING 6

G:\01FILES\010329\BRIDGE\011-0037 BORING LOGS.dgn

FILE NAME	USER NAME =	DESIGNED ADL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 011-0037	F.A.P. RTE. 322	SECTION 11-10	COUNTY CHRISTIAN	TOTAL SHEETS 437	SHEET NO. 234
		CHECKED RJP	REVISED -					CONTRACT NO. 72961		
	PLOT SCALE =	DRAWN RJP	REVISED -							
	PLOT DATE =	CHECKED ADL	REVISED -		SHEET NO. 34 OF 34 SHEETS		ILLINOIS	FED. AID PROJECT		

Klingner & Associates P.C.