8/6/2012 7:59:28 AM

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

SOIL BORING LOG

Date 3/11/91

ROUTE FAP 322 (US 51) DESCRIPTION US 51 over Main Drainage Ditch LOGGED BY K. Winschief

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. 4
Station 342+82
Offset 69.00ft Right
Ground Surface Elev. 636 ft

Surface Water Elev. 627.4 ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion No Data ft
After ____ Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS N	UCS Qu (tsf)	MOIST (%)
Brown SANDY CLAY LOAM - SAND LOAM Alluvium				
		3		
	-5	5	1.1 S	13
629.50				
Brown SILTY CLAY LOAM Alluvium		5	1.0 B	20
627.00				
Brown Grey Mottled SANDY CLAY LOAM	-10	4	1.0 B	22
624.50				
Grey SILT LOAM		5	1.4 B	22
622.00				
Medium - Coarse Brown SAND	-15	8		
617.50				
Grey SANDY CLAY LOAM (Till)	-20	21		

Description	DEPTH (ft)	BLOWS N	UCS Qu (tsf)	MOIST (%)
Grey SANDY CLAY LOAM (Till) (continued) Sampler Hit Boulder			1.0 B	12
		35	3.5 S	8.4
	-25	33	6.1 S	8.8
		30	7.8 S	9.2
	-30	28	7.0 B	9.3
	-35	30	7.8 S	8.9
	-40	20		

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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Description	DEPTH (ft)	BLOWS N	UCS Qu (tsf)	MOIST (%)
Grey SANDY CLAY LOAM (Till) (continued)			5.2 B	8.6
	-45	28	5.7 S	9.5
	-50	25	4.1 S	10
585.50				
Boring Completed				
Borings 1-4 Completed By District 5 Geotechnical Unit, Converted to gINT format 01/17/01 by District 6.	-55			
	-60			

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)

BORING 4

FILE NAME	USER NAME =	DESIGNED ADL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 011-0037	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED RJP	REVISED -			322	11-10	CHRISTIAN	437	232
	PLOT SCALE =	DRAWN RJP	REVISED -					CONTRACT NO. 72961		
	PLOT DATE =	CHECKED ADL	REVISED -		SHEET NO. 32 OF 34 SHEETS		ILLINOIS	FED. AID PROJECT		

Klingner & Associates P.C.

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