



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

SOIL BORING LOG

Date 2/21/91

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. 1  
Station 343+03  
Offset 15.00ft Left  
Ground Surface Elev. 647.5 ft

DEPTH TWS HS	BLOWS QS	UCS (tsf)	MOISTURE (%)						
				Surface Water Elev. 627.2 ft Stream Bed Elev. N/A ft Groundwater Elev.: First Encounter 628.0 ft Upon Completion Washed ft After Hrs. Plugged ft					
				Grey SILT LOAM			B		
						6	1.2	21	S
-5	15	5.0	16			12	1.4	22	B
				Medium Grey SAND	622.00				
	7	2.5	22			19	1.3	9.3	B
				Grey SANDY CLAY LOAM	619.50				
-10	5	1.2	18			10	1.7	11	B
				Grey SANDY CLAY LOAM (Till)	617.50	-30			
	5	1.2	17			25	3.9	8.6	S
				Brown Grey Mottled SILTY CLAY	633.50				
-15	3	1.2	28			50	6.0	8.4	E
	5	1.0	21						B
				Fine SAND Free Water	629.00				
					627.50	-20	7		

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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				Surface Water Elev. 627.2 ft Stream Bed Elev. N/A ft Groundwater Elev.: First Encounter 628.0 ft Upon Completion Washed ft After Hrs. Plugged ft					
				Grey SANDY CLAY LOAM (Till) (continued)			5.0	8.9	B
				Grey CLAY LOAM (Till)	604.50				
-45	16	5.2	14						B
				Grey SANDY CLAY LOAM (Till)	600.50				
-50	16	3.5	10						S
				Boring Completed	597.00				
				Borings 1-4 Completed By District 5 Geotechnical Unit, Converted to gINT format 01/17/01 by District 6.					

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BORING 1

FILE NAME	USER NAME =	DESIGNED ADL	REVISED -
	CHECKED RJP		REVISED -
	PLOT SCALE =	DRAWN RJP	REVISED -
	PLOT DATE =	CHECKED ADL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 011-0037

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-10	CHRISTIAN	437	229
			CONTRACT NO. 72961	

SHEET NO. 29 OF 34 SHEETS

ILLINOIS FED. AID PROJECT