



# SOIL BORING LOG

Date 5/24/06

ROUTE FAP 322 DESCRIPTION US-51 box culvert over drainage ditch LOGGED BY M. Tappan

SECTION 11-13 LOCATION SW 1/4, SEC. 36, TWP. 12 N, RNG. 1 E, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 011-2504  
 Station 367+20

BORING NO. 6C  
 Station 367+15  
 Offset 47.0ft RT  
 Ground Surface Elev. 653.8 ft

Surface Water Elev. 645.2 ft  
 Stream Bed Elev. 644.8 ft

Groundwater Elev.:  
 First Encounter 634.8 ft  
 Upon Completion Plugged ft  
 After 19 Days Hrs. 646.8 ft

DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)
0				Brown and Dk Gray Moist SILTY CLAY (Fill)	633.30			
1						0		
4	2.1	20				1	0.7	72
5	B					1	S-12	
					630.30			
1				Lt Gray Moist Slightly Organic SILT LOAM w/ Gastropod Shells		0		
2	0.8	24				0	0	33
3	B					0	B	
-5						-25		
1				Lt Brown				
3	0.8	24				0	0	33
4	B					0	B	
1				Dk Gray				
3	1.2	22				0	0	28
4	B					0	B	
645.80				Dk Gray Moist SILTY CLAY	623.80	-30		
1								
1	0.5	29				0	0	28
1	B					0	B	
-10								
0				Boring Completed				
1	0.4	38						
1	B							
0								
1	0.7	35						
2	B							
-15						-35		
0				Lt Gray V. Moist SILTY CLAY w/ Gastropod Shells				
1	0.3	31						
1	B							
635.80				Dk Brownish Gray Moist Slightly to Moderately Organic SILTY CLAY LOAM				
1	0.5	60						
1	B							
-20				FREE WATER				
2	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:\SOILS\GINT FILES\CHRISTIAN\011-2504 US 51 BOX CULVERT AT DRAINAGE DITCH.GPJ Data Template DTEMP\LT.GDT Date Printed 11/16/09  
 Latitude 39.28274N Longitude 89.21124W Datum NAD83 Job Number



# SOIL BORING LOG

Date 5/23/06

ROUTE FAP 322 DESCRIPTION US-51 box culvert over drainage ditch LOGGED BY M. Tappan

SECTION 11-13 LOCATION SE 1/4, SEC. 35, TWP. 12 N, RNG. 1 E, 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 011-2504  
 Station 367+20

BORING NO. 6A  
 Station 367+37  
 Offset 38.0ft LT  
 Ground Surface Elev. 648.9 ft

Surface Water Elev. 645.2 ft  
 Stream Bed Elev. 644.8 ft

Groundwater Elev.:  
 First Encounter 637.4 ft  
 Upon Completion 642.9 ft  
 After 20 Days Hrs. 646.9 ft

DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)
				Brown and Gray Moist SILTY CLAY				
1						0		
3	1.8	25				1	0.4	27
4	B					1	B	
0				Lt Brown and Dark Gray				
1	0.4	27				1	0.6	31
1	B					1	B	
-5								
1				Lt Brown and Gray				
1	0.6	31				1	0.4	64
2	B					2	B	
1				Black Moist Slightly Organic SILTY CLAY				
1	0.4	64				1	0.6	41
2	B					1	B	
-10								
0				FREE WATER				
1	0.6	41						
1	B							
0								
1	0.4	31		Gray V. Moist SILTY CLAY w/ Gastropod Shells				
1	B							
-15								
633.40				Lt Gray V. Moist SILT LOAM w/ Gastropod Shells and some Woody Organics				
0								
1	0.2	51						
1	B							
0								
1	0.6	89		Varved				
1	B							
-20								

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 STRUCTURE NO. 011-2504

SHEET NO. 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	257
CONTRACT NO. 72961			ILLINOIS FED. AID PROJECT	