

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 714	*	CHRISTIAN	94	47
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* D-6 IL. 48 IMPROVEMENT 2006				



Illinois Department of Transportation
Division of Highways
and Districts

SOIL BORING LOG

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Date 5/18/05

ROUTE FAP 714 (IL 48) DESCRIPTION IL 48 over Tributary to Buckhart Creek LOGGED BY M. Tappan

SECTION 134B LOCATION NW 1/4, SEC. 27, TWP. 14 N. RNG. 1 W. 3 PM

COUNTY Christian DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. <u>011-2507 Pr</u> <u>011-2002 Ex</u> Station <u>401+31 +/-</u>	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev. <u>Dry</u> ft	D E P T H	B L O W S	U C S	M O I S T U R E
BORING NO. <u>2 NE WW</u> Station <u>401+66</u> Offset <u>17.08 Ft</u> Ground Surface Elev. <u>613.4</u> ft	(ft)	(#)	(tsf)	(%)	Stream Bed Elev. <u>605.9</u> ft	(ft)	(#)	(tsf)	(%)

Dark Grey to Brown and Grey Moist SILTY CLAY (F8)	1				Grey Wet Dirty Medium to Coarse Grained SAND w/ Some Gravel (continued)	1			
	3	1.1	28		Grey Moist CLAY LOAM (T8)	5	3.7	9	
	4	B				7	B		
Brown and Grey	1					1			
	3	1.4	31			5	8.2	8	
	4	B				12	S-13		
Brown and Grey Moist SILTY CLAY	1								
	3	1.1	28						
	3	B							
	0					3			
	2	0.7	32		w/ Interbedded Medium Grained SAND Seams	8	8.3	11	
	2	B				10	S-12		
Dark Grey	1								
	3	1.8	24			4			
	4	B				11	7.1	14	
Interbedded w/ Grey V. Moist LOAM Seams	0				w/ Interbedded Medium Grained Sandy GRAVEL Seams Washed	15	S-14		
	1	0.8	29						
	1	B							
Grey V. Moist LOAM	0					5			
	1	0.5	23		Grey Moist CLAY LOAM (T8)	16	9.0	9	
	1	B				19	S-14		
Grey Wet Dirty Medium to Coarse Grained SAND w/ Some Gravel Free Water	0								
	0								
	1								

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 Sealing
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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Grey Moist CLAY LOAM (T8) (continued)					Grey Moist CLAY LOAM (T8) (continued)				
	10					12			
Grey and Olive Brown	22	8.3	11			20	+10.0	10	
	22	B				23	B		
					Boring Completed				
					Refer STA to cl. of Existing Structure = 401+31, STA Increase to North				
					Refer Elevation to Chisled X @ STA 401+50 on NE WW = 613.8'				
	5								
	16	8.1	11						
	21	S-13							
Grey Moist CLAY LOAM (T8)	7								
	17	8.2	10						
	22	S-10							
w/ Interbedded Grey Fine to Medium Grained SAND Seams	53	+10.0	10						
	47	S-10							
	75								

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FILE NAME: I34B-I-STRUCTURE REV. 3/27/06

BORINGS
IL. ROUTE 48 OVER BUCKHART CREEK
F.A.P. ROUTE 714 - SECTION
D-6 IL. 48 IMPROVEMENT 2006
CHRISTIAN COUNTY
STA. 401+35.5
S.N. 011-2507