STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 714	*	CHRISTIAN	94	46
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 9 OF 10 SHEETS

* D-6 IL. 48 IMPROVEMENT 2006

Illinois Department of Transportation
Division of Highways
Ioist District 6

SOIL BORING LOG

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Date 5/11/05

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. 011-2507 Pr / 011-2002 Ex
Station 401+31 +/-

BORING NO. 1 SW WW
Station 400+91
Offset 17.0ft Lt
Ground Surface Elev. 613.3 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 605.9 ft

Groundwater Elev.:
▽ First Encounter 591.8 ft
▽ Upon Completion Washed ft
▽ After ___ Hrs. Plugged ft

Description	Elev.	Depth (ft)	Blows /6"	UCS Qu (tsf)	Moist (%)
V. Dark Grey Moist SILTY CLAY (Fill)			0		
			1	0.5	36
		-5	2	B	
	607.80				
Grey Moist SILTY CLAY			1		
			1	0.9	28
			3	B	
Brown and Grey			1		
			1	0.6	31
		-10	2	B	
Dark Grey			1		
			2	0.7	20
			2	B	
	599.80				
Brown and Grey Moist LOAM to CLAY LOAM			0		
			1	0.4	22
		-15	1	B	
Olive Brown and Grey V. Moist LOAM			0		
			0	0.1	25
			0	B	
Sampler advanced by Weight of Hammer	595.30				
Grey V. Moist SAND LOAM			0		
			0	0.2	14
	593.30	-20	1	B	
Grey Moist CLAY LOAM (Till)			0		
			5	1.7	10
Free Water			9	B	
			3		
			9	4.2	8
		-25	12	S-14	
	585.30				
Grey Medium to Coarse Grained SAND			1		
			2		
		-30	4		
Grey Coarse Grained Sandy GRAVEL Washed			6		
			22		
		-35	26		
	575.80				
Grey Moist CLAY LOAM (Till)			8		
			15	9.7	9
		-40	17	S-13	

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)

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Groundwater Elev.:
▽ First Encounter 591.8 ft
▽ Upon Completion Washed ft
▽ After ___ Hrs. Plugged ft

Description	Elev.	Depth (ft)	Blows /6"	UCS Qu (tsf)	Moist (%)
Grey Moist CLAY LOAM (Till) (continued)			5		
Olive Brown and Grey			14	8.3	10
		-45	18	S-10	
Olive Brown and Grey			6		
			15	8.6	10
		-50	20	S-15	
Grey Moist CL (Till) w/ Interbedded SILT Seams			5		
			27	9.1	16
		-55	27	S-12	
Grey Moist CLAY LOAM (Till)			5		
			17	8.6	10
		-60	25	S-14	
Grey Moist CLAY LOAM (Till) (continued)			7		
Light Brownish Grey			16	7.3	10
	548.30	-65	22	B	
Boring Completed					
		-70			
		-75			
		-80			

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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