Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/16/08

ROUTE FAP 510 (IL 96) DESCRIPTION IL 96 Box Culvert @ Branch Riley Creek LOGGED BY M. Tappen

SECTION 120 (B, B-1) LOCATION SE1/4, SW 1/4, SEC. 18, TWP. 6N, RNG. 8W, 4 PM

COUNTY Hancock DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 034-2526
Station 667+68

BORING NO. 1 NW Corner
Station 667+35
Offset 13.0ft RT
Ground Surface Elev. 524.2 ft

Surface Water Elev. 518.1 ft
Stream Bed Elev. 516.8 ft

Groundwater Elev.:
First Encounter 516.2 ft
Upon Completion 518.2 ft
After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dk Brownish Gray Moist SILTY CLAY (Fill)			0		
			2	0.9	18
			2	B	
	521.20				
Dk Brownish Gray V. Moist SILTY CLAY LOAM (Fill)			0		
			2	0.6	18
		-5	2	S-12	
	518.20				
Tan and Lt Gray V. Moist SILTY CLAY Residuum w/ some Angular Limestone Gravel			1		
			2	0.7	18
			2	B	
	516.20				
Dk Gray Wet LOAM w/ some Angular Limestone Gravel FREE WATER			0		
			0	0.2	25
		-10	2	B	
	513.70				
Brown and Gray Moist CLAY LOAM Residuum w/ Large Angular Limestone Gravel			1		
			3	1.3	13
			4	B	
	510.70				
Brown and Gray Mod. Indurated Crystalline LIMESTONE			100 /3"		
	509.70	-15			
		-20			

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\HANCOCK\034-2526 IL96 OVER BRANCH RILEY CREEK.GPJ Data Template IDOTEMPLT.GDT Date Printed 7/27/10
Latitude 40° 0' 36.664N Longitude 91° 21' 48.1W Datum NAD83 Job Number D96-547-06

BORING 1

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/16/08

ROUTE FAP 510 (IL 96) DESCRIPTION IL 96 Box Culvert @ Branch Riley Creek LOGGED BY M. Tappen

SECTION 120 (B, B-1) LOCATION SE1/4, SW 1/4, SEC. 18, TWP. 6N, RNG. 8W, 4 PM

COUNTY Hancock DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 034-2526
Station 667+68

BORING NO. 2 SE Corner
Station 667+87
Offset 15.0ft LT
Ground Surface Elev. 524.1 ft

Surface Water Elev. 518.1 ft
Stream Bed Elev. 516.8 ft

Groundwater Elev.:
First Encounter 519.1 ft
Upon Completion 518.1 ft
After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dk Brownish Gray Moist SILTY CLAY (Fill)			1		
			2	1.0	27
			4	B	
			2		
Poor Recovery			3	1.0	15
	519.10	-5	2	P	
Gray V. Moist SILTY CLAY LOAM w/ Woody Organics and Dirty Med Sand FREE WATER			1		
			1	0.4	49
			1	B	
			0		
Gray Med Dirty Sand and some Limestone Gravel			1		
		-10	0		
			3		
Gray Med to Coarse Limestone Gravel			5		
			6		
			4		
	509.60		11		
Gray Poorly Indurated Weathered LIMESTONE adjusted sample interval		-15	100 /3"		
Gray Well Indurated Crystalline Limestone			100 /2"		
	507.10				
		-20			

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\HANCOCK\034-2526 IL96 OVER BRANCH RILEY CREEK.GPJ Data Template IDOTEMPLT.GDT Date Printed 7/27/10
Latitude 40° 0' 36.51N Longitude 91° 21' 47.8W Datum NAD83 Job Number D96-547-06

BORING 2

BORING LOGS
S.N. 034-2526

DESIGNED	KTH
CHECKED	ADL
DRAWN	KTH
CHECKED	ADL

SHEET NO. 6	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6 SHEETS	510	120 (B-4, B-5)	HANCOCK	80	47
			CONTRACT NO. 72A65		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Klingner & Associates P.C.

8/9/2010 7:34:00 AM

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