Aug-18-2010 08:52:39AM 8:52:39 AM

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 10/22/08

ROUTE FAP 713 DESCRIPTION IL 101 over the Lamoine River LOGGED BY M. Tappan

SECTION 120 B-3 LOCATION NE1/4, SEC. 20, TWP. 3N, RNG. 3W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 085-0514 Pr / 085-0016 Ex
Station 559+36.5

BORING NO. B-EA
Station 562+00
Offset 16.0ft RT
Ground Surface Elev. 496.9 ft

Surface Water Elev. 470 ft
Stream Bed Elev. 466.5 ft

Groundwater Elev.:
First Encounter 467.9 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown and Gray V. Moist SILTY CLAY (Fill)			1		
			1	0.5	20
		-5	1	P	
Gray and Brown V. Moist LOAM (Fill) to Gray V. Moist Fine SAND (Fill)			0		
			0	0.5	19
			2	P	
			1		
V. Dk Gray Moist SILTY CLAY (Fill) w/ Interbedded Fine Sand Seams			2	1.1	21
		-10	3	B	
Dk Gray V. Moist Fine SAND (Fill)	486.40				
			1		
			3		
			2		
Dk Gray V. Moist LOAM	483.90				
			0		
			0	0.3	21
		-15	1	B	
			0		
Dk Gray V. Moist LOAM to Gray V. Moist SILT LOAM			0	0.5	22
			1	B	
Gray Moist SILTY CLAY	478.90				
			1		
			2	1.0	26
		-20	4	B	
Gray Moist SILTY CLAY (continued)			W		
V. Moist			O	0.2	28
			H	B	
Gray Wet SILTY CLAY LOAM	473.90				
			0		
			0	0.1	25
		-25	1	B	
Olive Brown and Gray Wet LOAM w/ Gray Fine Sand @ 27 ft	471.40				
			0		
			0	0.0	25
Slump	469.40		2		
Gray V. Fine SAND Free Water					
			W		
			O		
		-30	H		
			5		
Gray Fine SAND w/ Med Gravel Washed			3		
			2		
	463.40				
Gray V. Moist SILTY CLAY V. Poor Recovery Washed			0		
			1		
		-35	1		
Moist			6	1.6	16
		-40	8	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\SCHUYLER\085-0514 IL 101 OVER LAMOINE RIVER.GPJ Data Template DOTEMPLT.GDT Date Printed 7/10/09
Latitude 40D 13.82DN Longitude 90D 45.52DW Datum NAD83 Job Number D-96-533-05

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Stream Bed Elev. 466.5 ft

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First Encounter 467.9 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray V. Moist SILTY CLAY V. Poor Recovery Washed (continued)	454.90				
Lt. Olive Brown and Gray Weathered Argillaceous LIMESTONE	454.40		100/4"		
Boring Complete		-45			
		-50			
		-55			
		-60			

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BORING B-EA

DESIGNED	RJP
CHECKED	ADL
DRAWN	RJP
CHECKED	ADL

BORING LOGS
S.N. 085-0514

SHEET NO.45	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45 SHEETS	713	120B-3	SCHUYLER	75	65
			CONTRACT NO. 72A03		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Klingner & Associates P.C.

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