Nov-03-2010 11:36:36AM

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2

Date 9/29/09

ROUTE FAP 695 DESCRIPTION IL 9 Over LaHarpe Creek LOGGED BY M. Tappan

SECTION 118(B-1) LOCATION SW 1/4, SEC. 25, TWP. 7 N, RNG. 5 W, 4 PM

COUNTY Hancock DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 034-0528 Pr / 034-0008 Ex
Station 1219+54

BORING NO. NA North Abut.
Station 1219+03
Offset 14.0ft LT
Ground Surface Elev. 664.9 ft

Surface Water Elev. 647.1 ft
Stream Bed Elev. 646.2 ft

Groundwater Elev.:
First Encounter 648.9 ft
Upon Completion Plugged ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Greyish Brown Moist CLAY LOAM (Fill)			3		
			2	0.6	23
			1	B	
Grey Very Moist LOAM (Fill)	661.90				
			0		
			0	0.3	18
		-5	1	B	
Grey Very Moist LOAM	658.90		W		
			O	0.2	20
			H	B	
			0		
Moist			0	0.3	16
		-10	1	B	
Grey Most SILT LOAM with Grey Fine Sand Seams	654.40				
			0		
			1	0.3	23
			2	S-12	
			0		
Grey Fine to Medium SAND to SANDY GRAVEL	650.90		2		
Fine Sand		-15	1		
			1		
Medium Sand to Medium Sandy Gravel			3		
Free Water			4		
			0		
Medium Sandy Gravel			2		
		-20	6		
Grey Moist CLAY LOAM (Till)	644.40				
			0		
			1	1.4	15
			3	B	
			1		
			3	2.0	14
		-25	5	B	
Grey Moist CLAY LOAM (Till)			1		
			3	2.0	14
		-30	6	B	
			2		
			4	2.1	14
		-35	7	B	
			13		
with Sandstone Boulder- Very Poor Recovery			28	2.5	
		-40	29	E	

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:\BOS\LRGINT FILES\HANCOCK\034-0528 IL 9 OVER LAHARPE CR GPJ Date Template DOTEMPLT.GDT Date Printed 11/9/09
Latitude 40°24.196N Longitude 91°25.265W Datum NAD83 Job Number D-95-532-07

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Upon Completion Plugged ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist CLAY LOAM (Till) *(continued)*					
			11		
Very Poor Recovery - Probable boulder fragments in augers			24	2.5	
		-45	16	E	
			12		
Grey Moist CLAY LOAM (Till)			7	2.8	14
		-50	9	B	
			2		
			6	2.6	14
		-55	9	B	
			9		
			6	2.4	15
		-60	7	B	
Grey Moist CLAY LOAM (Till) *(continued)*					
			48		
			21		
		-70	24		
			2		
			3	2.3	19
		-80	7	B	
Grey Moist CLAY LOAM (Till) *(continued)*					
			48		
			21		
		-70	24		
Grey Fine SAND	597.40				
			48		
			21		
		-70	24		
Grey Moist CLAY LOAM (Till)	592.40				
			2		
			3	2.3	19
		-80	7	B	
Boring Completed	584.90				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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Latitude 40°24.196N Longitude 91°25.265W Datum NAD83 Job Number D-95-532-07

BORING B-NA

FILE NAME =	USER NAME =	DESIGNED RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 034-0528	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED ADL	REVISED -			685	(117,118)RS-4,119RS-1; 118B-1	HANCOCK	101	64
	PLOT SCALE =	DRAWN RJP	REVISED -					CONTRACT NO. 72B05		
	PLOT DATE =	CHECKED ADL	REVISED -		SHEET NO. 22 OF 23 SHEETS		ILLINOIS	FED. AID PROJECT		

$FILE$

Klingner & Associates P.C.