



Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date **9/15/09**

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	D E P T H H S	B L O W S T W S H S	U C S Q u T	M O I S T S T	Surface Water Elev.	D E P T H H S	B L O W S T W S H S	U C S Q u T	M O I S T S T
					647.1 ft				
BORING NO. <u>SA South Abut.</u> Station <u>1219+99</u> Offset <u>14.0R RT</u> Ground Surface Elev. <u>665.0</u> ft					Groundwater Elev.: First Encounter <u>649.5</u> ft Upon Completion <u>Dry</u> ft After <u>Hrs. Plugged</u> ft				
	(ft)	/6"	(tsf)	(%)	(ft)	/6"	(tsf)	(%)	
	0				Grey Moist CLAY LOAM (Till) <i>(continued)</i>				
	1				1				
	2				2	2.5	14		
	4				4				
662.00					Brown and Grey Moist CLAY LOAM (Fill)				
	1				1				
	1		1.3	13	1		1.1	15	
	4				4				
658.50					Brown and Grey Moist LOAM (Fill)				
	0								
	1		0.5	18	1				
	1				1				
656.50					Dark Grey Moist SILTY CLAY LOAM				
	0				1		1.6	13	
	1		0.5	26	2				
	1				4				
652.00					Grey Moist CLAY LOAM (Till)				
	0				1				
	1		0.2	26	2				
	1				3				
649.50					Grey Very Moist LOAM to SAND LOAM				
	0				1				
	1		0.2	23	2		2.5	15	
	1				3				
647.00					Grey Dirty Fine to Medium SAND Free Water				
	0								
	1				1				
	3				3				
647.00					Grey Moist CLAY LOAM (Till)				
	0				1				
	1		0.9	17	3		2.6	14	
	2				7				
					4				

File Name: S:\SOILBORING\FILES\HANCOCK\0904-0528 IL 9 OVER LAHARPE CRK.GPJ Date: 9/15/09 Time: 11:00:09 AM
Latitude: 42°34'12.83"N Longitude: 89°35'30.10"W Datum: NAD83 Zone: 18S UTM

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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					647.1 ft				
BORING NO. <u>SA South Abut.</u> Station <u>1219+99</u> Offset <u>14.0R RT</u> Ground Surface Elev. <u>665.0</u> ft					Groundwater Elev.: First Encounter <u>649.5</u> ft Upon Completion <u>Dry</u> ft After <u>Hrs. Plugged</u> ft				
	(ft)	/6"	(tsf)	(%)	(ft)	/6"	(tsf)	(%)	
	0				Grey Moist CLAY LOAM (Till) <i>(continued)</i>				
	1				1				
	2				2	2.3	14		
	5				3				
	5				5				
					1				
	2		2.3	14	2		2.3	13	
	6				3				
	6				6				
575.00					Boring Completed				
					1				
	2		1.4	21	2		1.5	19	
	4				3				
	4				4				
					1				
	3		2.2	14	3		2.2	14	
	5				5				
					1				
	3		2.0	14	3		2.0	14	
	7				7				
					4				
					4		2.1	20	
					4				

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	0				Grey Moist CLAY LOAM (Till) <i>(continued)</i>				
	1				1				
	2				2				
	4				4				
					1				
	2		1.4	21	2		1.5	19	
	4				3				
	4				4				
					1				
	3		2.2	14	3		2.2	14	
	5				5				
					1				
	3		2.0	14	3		2.0	14	
	7				7				
					4				
					4		2.1	20	
					4				

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BORING B-SA

FILE NAME =	USER NAME =	DESIGNED <u>RJP</u>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 034-0528	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE =	DRAWN <u>RJP</u>	REVISED -			685	(117,118)RS-4,119RS-1; 118B-1	HANCOCK	101	65
PLLOT DATE =	CHECKED <u>ADL</u>	REVISIED -		SHEET NO. 23 OF 23 SHEETS		CONTRACT NO. 72B05			ILLINOIS FED. AID PROJECT	