

## **SOIL BORING LOG**

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Date <u>5/20/09</u>

ROUTE FAP Route 42 DESCR	FAP Route 42 DESCRIPTION			IL 127	over Miller Creek	LOGGED BY M. Tappa			an				
SECTION 105B-1 LOCATION NW 1/4, SEC. 25, TWP. 8N, RNG. 4W, 3 PM													
COUNTY Montgomery Di	ry DRILLING METHOD			HSA HAMME	HAMMER TYPE				140# Auto				
STRUCT. NO.         068-0511           Station         311+55           BORING NO.         B-SA           Station         311+10           Offset         30.0ft LT	D E P T H	L O W S	On Gn		Surface Water Elev.         566.           Stream Bed Elev.         565.           Groundwater Elev.:         ▼First Encounter         566.           ▼Upon Completion         Plugge	2_ ft d ft	E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)			
Ground Surface Elev. <u>582.7</u>	ft   (ft)	/6"	(tsf)	(%)	▼After Hrs. Plugge Gray Moist CLAY LOAM (Till)	d_ft	100	/5	(isi)	(/0)			
Brown and Gray Moist SILTY CLAY (Fill)		0			(continued)			3 17 25	5.4 S-8	7			
		1 2	0.7 B	18				15 16	4.7 B	.9			
	-	0 1 2	0.6 B	19	Gray Moist SILT	5 <u>54.70</u>							
	573.70	0			Sample broken, drilled softer at 32ft			15 <sub>.</sub>	4.5	16			
Grayish Brown Moist Dirty Fine SAND		1					-30	30/1"		10			
		5 4			Gray Moist CLAY LOAM (Till)	550.70							
Gray Moist LOAM	569.70	1 3 15 3	0.6 B	16			-35	3 5 9	3.9 B	13			
Gray Wet Med to Coarse SAND FREE WATER	566.70	1 2 2											
Gray Moist CLAY LOAM (Till)	564.70	1 3	2.2 B	14	-			3 5 9	3.6 B	14			

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)

Illinois Department of Transportation

Division of Highways District 8

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ROUTE FAP ROU	ute 42 DESCR	IPTION IL 127			IL 127	over Miller Creek	LOGG	LOGGED BY		M. Tappan		
SECTION 105B-1 LOCATIONNW 1/4, SEC. 25, TWP. 8N, RNG. 4W, 3 PM												
COUNTY Mon	tgomery DR	ILLING	LING METHOD				HSA	HAMMER TYPE	R TYPE 140# Auto			
STRUCT. NO	311+55		D E P	B L O	U C S	M O I	Surface Water Elev Stream Bed Elev	566.2 ft 565.6 ft	D E P	B L O W	U C S	M O I S
BORING NO.	B-SA 311+10		T H	W S	Qu	S T	Groundwater Elev.: ☑First Encounter	. 566.2 ft	H	S	Qu	т
Station	30.0ft LT		(ft)	<i>1</i> 6"	(tsf)	(%)	▼Upon Completion _ ▼After Hrs	Plugged ft	(ft)	/6"	(tsf)	(%)
Ground Surface   Gray Moist CLAY	LOAM (Till)	<u> </u>	14.4		(12.7	(,,,	Gray Moist CLAY LOA		丗			
(continued)			-				(continued)		-			
							·					
			-									
				3					$\dashv$	1		
				4	3.1	13				4 5	2.4 B	13
			45	8	В				-85			
									_			
.												
			_									
				2						1		
				4	3.0	13				2	1.6 B	14
			-50	7	В				-70		1 -	
		•							_			
			_	j								-
				2						1		
				5 8	3.3 B	13		507	70	4	2.1 B	13
			-55	•	P		Boring Complete	507.	70 -75 	Ė		
			_									
			_	1								
				3	2.2	14				]		

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)

BENTON & ASSOCIATES, INC.

FILE NAME = P:\ 07e1820-2\ Design\ USER NAME = DESIGNED - MBH REVISED CHECKED - SJH REVISED Plans\ Structure Sheets\ 0680511-72B66-020-Boring2.dgn PLOT SCALE = DRAWN мвн REVISED PLOT DATE = CHECKED - SJH REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

(Sheet Z of Z)						
SOIL BORINGS	F.A.P. RTE.		SECTI			
STRUCTURE NO. 068-0511	42		10	)5E	3-	
0111001011E 140.000-0311						
SHEET NO. 20 OF 20 SHEETS	FED. RO	DAD DIST.	NO. 8	1	ĪΕ	

COUNTY TOTAL SHEET NO.

MONTGOMERY 63 41 CONTRACT NO. 72B66 FED. ROAD DIST. NO. 8 | ILLINOIS | FED. AID PROJECT