Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 5/19/09

ROUTE FAP Route 42 DESCRIPTION IL 127 over Miller Creek LOGGED BY M. Tappan

SECTION 105B-1 LOCATION NW 1/4, SEC. 25, TWP. 8N, RNG. 4W, 3 PM

COUNTY Montgomery DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 068-0511
Station 311+55

BORING NO. B-NA
Station 311+99
Offset 49.0ft RT
Ground Surface Elev. 578.8 ft

Surface Water Elev. 566.2 ft
Stream Bed Elev. 565.6 ft

Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion Dry ft
After 24 Hrs. 570.8 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray and Brown Moist SILTY CLAY (Fill)			1		
			2	1.3	18
			2	B	
	573.80	-5			
Gray Moist CLAY LOAM (Fill)			1		
			2	1.4	16
			3	B	
			1		
			3	1.6	15
			5	S-11	
	568.80	-10			
Gray Moist CLAY LOAM (Till)			1		
			7	4.3	9
			9	B	
			2		
			8	4.4	9
			10	B	
		-15			
			2		
			10	4.3	9
			12	B	
			1		
			5	3.1	14
			10	B	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Moist CLAY LOAM (Till) *(continued)*			2		
			4	2.6	14
			8	B	
			5		
w/ 8" Gray Med Sandy Gravel Seam			30	4.6	9
			24	B	
		-25			
			3		
Gray Moist CLAY LOAM (Till)			5	3.5	13
			9	B	
			2		
			5	3.4	13
			9	B	
		-30			
			4		
			10	4.5	9
			25	S-14	
		-35			
			2		
			3	2.5	14
			7	B	
		-40			

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\MONTGOMERY\068-0511 IL 127 OVER MILLER CREEK\GPJ Data Template DSTEMPLT.GDT Date Printed 6/10/10
Latitude 39D 6.912N Longitude 89D 29.23W Datum NAD83 Job Number 72B66

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Upon Completion Dry ft
After 24 Hrs. 570.8 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Moist CLAY LOAM (Till) *(continued)*			1		
			3	1.4	19
			5	B	
		-45			
			1		
			3	1.8	18
			6	B	
		-50			
			1		
			3	1.6	19
			5	B	
		-55			
			1		
			4	1.5	20
			4	B	
		-60			

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Moist CLAY LOAM (Till) *(continued)*	517.80				
Gray Moist SILTY CLAY (Till)			1		
			2	1.3	22
			4	B	
		-65			
			1		
			3	2.2	25
			5	B	
		-70			
			1		
			3	1.7	21
			5	B	
	504.30				
Boring Complete		-75			
		-80			

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
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BENTON & ASSOCIATES, INC.

(Sheet 1 of 2)

FILE NAME = P:\ 07e1820-2\ Design\ Plans\ Structure Sheets\ 0680511-72B66-019-Boring1.dgn	USER NAME =	DESIGNED - MBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS STRUCTURE NO. 068-0511	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		CHECKED - SJH	REVISED -			42	105B-1	MONTGOMERY	63 / 40
	PLOT SCALE =	DRAWN - MBH	REVISED -					CONTRACT NO. 72B66	
	PLOT DATE =	CHECKED - SJH	REVISED -		SHEET NO. 19 OF 20 SHEETS	FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT	