



Illinois Department
of Transportation
Division of Highways
IDOT - Region 3 Dist 5

SOIL BORING LOG

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Date 4/29/09

ROUTE FAI Rt. 57 DESCRIPTION Mast Arm at NE Off Ramp to Pesotum Rest Area LOGGED BY CNA
SECTION _____ LOCATION NE, SEC. 21, TWP. 17N, RNG. 8E, 3rd PM
COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automaric

STRUCT. NO. 5 C 010 IO57
Station R221.05
188+50
BORING NO. 1 Mast Arm
Station 188+57
Offset 211.0 ft Rt. of Median CL
Ground Surface Elev. 698.8 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	Qu	T	Groundwater Elev.:	H	S	Qu	T
H	S			First Encounter				
(ft)	(6")	(tsf)	(%)	690.3 ft	(ft)	(6")	(tsf)	(%)
				Upon Completion				
				692.8 ft				
				After Hrs.				

Soil Description	Depth (ft)	Penetration (6")	Blow Count (tsf)	Blow Count (%)	Soil Description	Depth (ft)	Penetration (6")	Blow Count (tsf)	Blow Count (%)
Gravel (Shoulder Stone)	697.8				Gray Clay Loam Till (continued)				
Brown/Gray Mottled Silty Clay Loam (Embankment)									
		2							
		4	2.5	28	(NOTE: Soil Boring Taken 7' North & 10' West of Existing Foundation)		3		
		5	B				5	5.0	11
							10	B	
					End of Boring				
Black Silty Clay (Top Soil)	699.3								
		1							
Brown - Gray Soft Mottled Silty Clay Loam	692.3								
		2							
		3							
		0							
Brown Clay Loam Till	689.8								
		4	5.6	17					
		6	B						
		4							
		7	3.7	13					
		10	B						
Gray Clay Loam Till	686.3								
		3							
		6	1.9	12					
		9	B						
		5							
		8	5.2	11					
		12	B						
		4							
		10	7.0	11					
		10	B						

4/29/09 11:54 AM S:\SOILBORING LOGS\CHAMPAIGN CNTY\47NB PESOTUM RA MAST.GPJ

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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)

*DOUGLAS AND CHAMPAIGN COUNTIES

FILE NAME =	USER NAME = sherer_jm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwwork\SHERERJM\d0134546\057	0251-sht-Details.dgn	DRAWN -	REVISED -			57	(21-28,21-10-29,10-30)RS-1	*	115	114	
	PLOT SCALE = 1/2" = 10'-0" IN.	CHECKED -	REVISED -			CONTRACT NO. 70251					
	PLOT DATE = 11/28/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					