Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 7/16/08

ROUTE FAI 55 (I-55) DESCRIPTION FAI-55 over New York Central R.R. LOGGED BY LM

SECTION 53-1VB LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 7E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0144
Station 270+32

BORING NO. 10 NBL
Station 269+18
Offset 20.00ft Lt
Ground Surface Elev. 672.53 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 612.5 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black Silty Clay Loam (Fill) and Gray Silty Clay Laom Till (Fill)					
	670.03				
Hard Gray Silty Clay Loam Till (Fill) With Some Concrete Debris			8		
			9	4.5	10.7
			8	P	
	668.03				
Hard Brown Silty Clay Loam Till (Fill)		-5			
			5		
			8	4.5	15.9
			10	P	
	665.53				
Hard Gray Silty Clay Loam Till (Fill)			5		
			6	4.5	15.9
			9	P	
		-10			
			5		
			8	5.8	14.9
			9	S	
			3		
			5	4.7	14.1
			8	S	
		-15			
			4		
			6	4.7	16.8
			8	S	
			4		
			8	4.7	17.8
			10	S	
		-20			
Hard Gray Silty Clay Loam Till (Fill) (continued)			4		
			6	4.7	15.8
			10	S	
		-25			
			7		
			10	6.0	15.4
			12	S	
Hard Brown Silty Clay Loam Till (Fill)	646.03				
			6		
			10	6.0	17.6
			11	S	
	642.53	-30			
Hard Brown/Black Silty Clay and Brown Silty Clay Loam Till (Fill)			6		
			8	4.3	18.7
			12	S	
			6		
			8	4.3	15.6
			11	S	
	638.03				
Very Stiff Green/Brown/Black Silty Clay (Fill)		-35			
			3		
			6	2.5	22.2
			8	B	
	635.53				
Very Stiff Brown/Gray Silty Clay Loam Till			4		
			6	2.4	20.6
			8	B	
	633.03				
Hard Grown Silty Clay Loam Till		-40			

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)

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Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 612.5 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Grown Silty Clay Loam Till (continued)			6		
			8	5.2	21.0
			12	S	
			6		
			8	5.0	21.1
			10	S	
	628.03				
Very Stiff Gray Silty Clay Loam/Silty Clay Till With Free Water @ 50'		-45			
			4		
			8	3.0	16.6
			10	S	
			4		
			7	3.1	21.7
			10	S	
		-50			
			3		
			5	3.1	20.4
			9	S	
			3		
			5	3.1	18.3
			10	S	
	618.03				
Very Stiff Gray Clay With Pockets Silty Clay		-55			
			3		
			5	3.5	26.2
			9	S	
	615.03				
Hard Dark Gray Silty Clay Loam/Clay Till			6		
			8	6.1	17.5
			14	S	
		▽-60			
Hard Dark Gray Silty Clay Loam/Clay Till (continued)			7		
			12	7.6	14.0
			16	S	
			6		
			6	5.1	15.6
			9	S	
		-65			
			5		
			6	5.2	17.3
			10	S	
	606.03				
End of Boring					
		-70			
		-75			
		-80			

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)

FILE NAME = ...\B053018S_0187-66856-42-borings.dgn
PLOT SCALE = 0ft/025397 '=' / IN.
USER NAME = CFC.

BORING LOGS
STRUCTURE NO. 053-0187 (NB)
STRUCTURE NO. 053-0186 (SB)

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT NO.	05004-10
SCALE	
DATE	8/10/10
DESIGN BY	CB/MCB
DRAWN BY	MML
CHECKED BY	MCB

SHEET NO. 42
42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-1) HBR & HBR-1	LIVINGSTON	102	61
		CONTRACT NO. 66856		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		