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

SOIL BORING LOG

Date 10/19/71

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

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. 2 SBL
Station 268+52
Offset 52.00ft Lt.
Ground Surface Elev. 641.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, Gray, Clay Till			
	21	5.7 B	13.6
	16	4.0 B	14.3
-45			
	15	3.7 B	15.6
	17	4.7 B	14.4
-50			
	18	4.9 B	14.8
	19	4.4 B	14.1
586.70			
Very Stiff, Gray, Clay Till			
-55			
584.70	14	2.9 B	17.1
End of Boring			
-60			

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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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. 053-0145
Station 270+32

BORING NO. 3 SBL
Station 270+08
Offset 76.00ft Lt.
Ground Surface Elev. 641.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Brownish Black, Silty Clay			
639.00			
Stiff, Brown and Gray, Mottled, Clay			
	6	1.5 B	24.2
-5			
	7	1.4 B	26.3
634.00			
Hard, Gray, Clay Till			
	16	4.2 S	19.6
631.50 -10			
Very Stiff, Gray, Clay Till			
	11	3.1 B	21.6
	8	2.3 B	22.5
626.50 -15			
Stiff, Gray, Clay Till			
	8	1.8 B	24.0
624.00			
Very Stiff, Gray, Clay Till			
	12	3.3 B	23.0
621.50 -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Gray, Clay Till			
	8	1.8 B	20.4
	7	1.8 B	25.0
616.50 -25			
Hard, Gray, Clay Till			
	20	4.3 S	11.2
	17	5.2 S	13.5
611.50 -30			
Very Stiff, Gray, Clay Till			
	12	2.2 B	16.8
	12	2.6 B	19.5
-35			
	13	2.2 B	22.1
	16	3.7 B	18.1
601.50 -40			

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STRUCT. NO. 053-0145
Station 270+32

BORING NO. 3 SBL
Station 270+08
Offset 76.00ft Lt.
Ground Surface Elev. 641.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, Gray, Clay Till			
	23	6.0 S	13.2
	27	7.5 B	13.0
-45			
	20	4.4 B	15.6
	16	4.0 B	15.4
591.50 -50			
Very Stiff, Gray, Clay Till			
	17	3.6 B	15.8
587.50	16	2.8 B	15.8
End of Boring			
-55			
-60			

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 = c:\0530186_0187-66856-37-boringe.dgn
PLOT SCALE = 0ILD29397 '4" / 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 GB/MCB
DRAWN BY MML
CHECKED BY MCB

SHEET NO. 37
42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-1) HBR & HBR-1	LIVINGSTON	102	56
		CONTRACT NO. 66856		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		