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

SOIL BORING LOG

Page 1 of 2

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. 053-0145
Station 270+32

BORING NO. 4 NBL
Station 270+25
Offset 52.00ft Rt.
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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Black, Silty Clay	640.00				
Stiff to Very Stiff, Brown, Clay Till		-5	7	1.5 B	24.4
			8	2.6 B	21.8
Hard, Gray, Clay Till	632.00	-10	15	4.4 B	21.1
Very Stiff to Stiff, Gray, Clay Till	629.00	-15	9	2.2 B	23.9
			6	1.8 B	25.0
		-20	7	1.5 B	24.9
Very Stiff to Stiff, Gray, Clay Till (continued)	616.50	-25	11	2.2 B	24.4
			5	1.1 B	33.3
Hard, Gray, Clay Till			15	5.7 S	15.3
		-30	25	6.1 S	13.6
Stiff, Gray, Clay Till	609.50		14	4.0 B	14.0
Very Stiff, Gray, Clay Till	607.00	-35	7	1.2 B	19.7
			9	2.2 B	20.1
	601.50	-40	14	3.1 B	13.6

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)

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

SOIL BORING LOG

Page 2 of 2

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. 053-0145
Station 270+32

BORING NO. 4 NBL
Station 270+25
Offset 52.00ft Rt.
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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, Gray, Clay Till			21	5.4 S	9.5
			22	5.7 B	12.1
		-45	20	4.2 B	14.5
			20	4.0 B	14.5
		-50	18	4.0 B	14.6
Very Stiff, Gray, Clay Till	589.50	-55	20	3.8 B	15.4
End of Boring	585.00	-60	18	3.9 B	16.2

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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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. 5 NBL
Station 270+54
Offset 76.00ft Rt.
Ground Surface Elev. 641.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Black, Silty Clay	639.60				
Stiff, Brown, Mottled, Clay Till		-5	8	1.8 S	19.7
Hard, Brown, Clay Till	634.60	-10	13	4.4 B	18.7
			13	3.9 B	17.2
Very Stiff, Gray, Clay Till	629.10	-15	9	2.2 B	18.3
			8	2.2 B	20.5
		-20	9	1.6 B	20.6
Very Stiff, Gray, Clay Till (continued)			8	2.3 S	21.6
		-25	10	2.8 S	25.5
			13	2.3 S	25.0
		-30	12	2.6 B	12.9
			11	3.6 B	11.8
		-35	9	2.9 B	14.4
			9	2.6 B	14.6
			10	2.3 B	17.3
Hard, Gray, Clay Till	602.10	-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)

FILE NAME = ...053-0186_0187-66856-38-borings.dgn
PLOT SCALE = 0.0293937 ' / IN.
USER NAME = DFC_

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. 38
42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-1) HBR & HBR-1	LIVINGSTON	102	57
		CONTRACT NO. 66856		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		