



**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.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
053-0145	270+32	EP	LO	CS	OIS	ft	ft	EP	LO	CS	OIS
BORING NO.	Station	H	W	Qu	T	Groundwater Elev.:	First Encounter	H	W	Qu	T
1 NBL	269+68					ft	ft				
Offset	76.00ft Rt.					Upon Completion	After				
						Hrs.	Hrs.				
Ground Surface Elev.	641.0 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
Stiff, Brownish Black, Silty Clay											
	639.00							10	1.8	22.0	
Stiff to Very Stiff, Brown and Gray, Clay											
								16	2.1	28.2	
								8	1.6	28.8	
								17	4.4	14.3	
								14	2.6	15.2	
								13	2.3	16.2	
								12	2.2	16.2	
								15	2.9	17.3	
								14	3.1	15.9	
								12	2.4	23.2	
								14	2.8	19.8	
								12	2.9	19.5	
								13	2.9	18.8	
								12	2.4	23.2	
								14	2.8	19.8	
								12	2.9	19.5	
								13	2.9	18.8	

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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053-0145	270+32	EP	LO	CS	OIS	ft	ft	EP	LO	CS	OIS
BORING NO.	Station	H	W	Qu	T	Groundwater Elev.:	First Encounter	H	W	Qu	T
1 NBL	269+68					ft	ft				
Offset	76.00ft Rt.					Upon Completion	After				
						Hrs.	Hrs.				
Ground Surface Elev.	641.0 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
Very Stiff, Gray, Clay Till (continued)											
								16	2.1	28.2	
Hard, Gray, Clay Till								8	1.6	28.8	
								17	4.4	14.3	
Very Stiff, Gray, Clay Till								14	2.6	15.2	
								13	2.3	16.2	
								12	2.2	16.2	
								15	2.9	17.3	
								14	3.1	15.9	
End of Boring								12	2.4	23.2	
								14	2.8	19.8	
								12	2.9	19.5	
								13	2.9	18.8	

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)  
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COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
053-0144	270+32	EP	LO	CS	OIS	ft	ft	EP	LO	CS	OIS
BORING NO.	Station	H	W	Qu	T	Groundwater Elev.:	First Encounter	H	W	Qu	T
2 SBL	269+52					ft	ft				
Offset	52.00ft Lt.					Upon Completion	After				
						Hrs.	Hrs.				
Ground Surface Elev.	641.2 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
Stiff, Brownish Black, Silty Clay											
								6	2.0	26.9	
Stiff, Brown and Gray, Mottled, Clay								10	2.3	27.8	
								16	2.4	23.8	
								35	3.1	12.0	
								21	5.9	12.7	
								9	2.6	17.4	
								12	2.9	19.5	
								13	2.9	18.8	

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)

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

 -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. OS004-10	SHEET NO. 36	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE 8/10/10		55	(53-1) HBR & HBR-1	LIVINGSTON	102	55
	DATE 8/10/10		42 SHEETS		CONTRACT NO. 66856		
	DRAWN BY GB/MCB		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
	CHECKED BY MML						

FILE NAME = ...0530186-0187-66856-36-bor-log.dgn  
PLOT SCALE = 0.000391" / IN.  
USER NAME = CFC