

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

Page 1 of 1
Date 8/14/71
LOGGED BY J. Szafranski

ROUTE FA 18 (IL 17) DESCRIPTION Route 17 over Drainage Ditch LOCATION SW 1/4, SE 1/4, SEC. 2, TWP. 30N, RNG. 8E

SECTION 15 (BR-2, BR-3) COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151 Station 407+22
BORING NO. 1 (SE Wingwall) Station 407+30
Offset 25.00 ft
Ground Surface Elev. 507.38 ft

DEPTH (ft)	SOIL DESCRIPTION	MOISTURE (%)	PLASTICITY (%)	UCS (psi)	Failure Mode	SPT (N)
0	Surface Water Elev. None					
0	Stream Bed Elev. None					
0	Groundwater Elev. First Encounter					
0	Upon Completion					
0	After					
0	Hard, Gray, Clay Till (continued)	8	6.4	13.0		
0	End of Boring	10				
3	Medium, Brownish Gray, Silty Clay Till	3	0.9	28.0		
4		4				
5	Soft, Yellowish Brown to Gray Brown, Silty Clay Till	2	0.3	31.0		
7		7				
9	Very Silty, Gray, Clay Till	7	3.7	10.0		
9		9				
11		11	3.9	10.0		
12		12				
14	Hard, Gray, Clay Till	10	6.9	10.0		
18		18				
11		11	9.5	12.0		
17		17				
8		8	6.0	11.0		
15		15				

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 T208) BBS, from 137 (Rev. 8-69)

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Page 1 of 1
Date 9/14/71
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ROUTE FA 18 (IL 17) DESCRIPTION Route 17 over Drainage Ditch LOCATION SW 1/4, SE 1/4, SEC. 2, TWP. 30N, RNG. 8E

SECTION 15 (BR-2, BR-3) COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151 Station 407+22
BORING NO. 2 (NW Footwall) Station 407+08
Offset 45.00 ft
Ground Surface Elev. 611.59 ft

DEPTH (ft)	SOIL DESCRIPTION	MOISTURE (%)	PLASTICITY (%)	UCS (psi)	Failure Mode	SPT (N)
0	Surface Water Elev. None					
0	Stream Bed Elev. None					
0	Groundwater Elev. First Encounter					
0	Upon Completion					
0	After					
0	Hard, Gray, Clay Till (continued)	9	5.0	12.0		
11		11				
12		12	6.0	11.0		
10		10				
5	Silt, Brownish Black and Yellowish Brown, Clay Backfill	5	1.2	20.0		
7		7				
2	Silt, Olive Brown, Silty Clay Till	2	0.8	22.0		
3		3				
4		4	0.9	22.0		
14		14	5.6	14.0		
12		12				
0	End of Boring	0				
3		3	1.0	23.0		
2		2				
0	Silt, Brownish Gray, Clay Till	0				
5		5	1.9	15.0		
9		9				
10	Hard, Gray, Clay Till	10				
18		18	10.3	12.0		
16		16				
15		15				
16		16	9.7	11.0		
17		17				
10		10	7.6	11.0		
14		14				
18		18				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Page 1 of 2
Date 12/20/68
LOGGED BY L.M.

ROUTE FA 18 (IL 17) DESCRIPTION W. Abutment, S. Quad LOCATION SEC. 2, TWP. 30N, RNG. 8E

SECTION 15 (BR-2, BR-3) COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151 Station 407+22
BORING NO. 3 Station 407+22
Offset 25.00 ft
Ground Surface Elev. 510.44 ft

DEPTH (ft)	SOIL DESCRIPTION	MOISTURE (%)	PLASTICITY (%)	UCS (psi)	Failure Mode	SPT (N)
0	Surface Water Elev. None					
0	Stream Bed Elev. None					
0	Groundwater Elev. First Encounter					
0	Upon Completion					
0	After					
0	Hard Gray Silty Clay Loam Till with High Gravel Content in Areas (continued)	7	8.8	10.4		
14		14				
6	Very Silty Black Silty Clay Loam (FILL) with Concrete and Asphalt Debris at 7'-9"	5	3.5	21.7		
4		4				
10		10				
12		12	6.0	11.0		
12		12				
3		3	3.5	25.7		
4		4				
5		5				
14		14	5.6	14.0		
4		4				
5		5	3.5	15.5		
5		5				
11		11				
5	Silt Gray and Brown Silty Clay/Silty Clay Loam Loess	2	1.5	31.8		
2		2				
9		9				
0	Hard Brown Silty Clay Till	0				
1		1	4.1	16.2		
3		3				
6		6				
18	Hard Gray Silty Clay Loam Till with High Gravel Content in Areas	18				
8		8	8.1	10.6		
10		10				
14		14				
13		13	11.5	10.3		
13		13				
18		18				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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DESIGNED SDH
CHECKED JML
DRAWN JWK/DJM
CHECKED MSW
DATE 10/07/09

SOIL BORING LOGS
STRUCTURE NO. 053-0185

SHEET NO. B21	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	41	(15BR-3)-1	LIVINGSTON	45	32
22 SHEETS	SN 053-0185		CONTRACT NO. 66833		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		