

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 2 of 2
Date 12/20/09

ROUTE FA 18 (IL 17) DESCRIPTION W. Abutment, S. Quad LOGGED BY LJM

SECTION 15 (BR-2, BR-3) LOCATION SEC. TWP. RING

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151
Station

BORING NO. 3
Station 597.64
Offset 7.73
Ground Surface Elev. 610.44 ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode	DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode
0	Surface Water Elev.				0	Surface Water Elev.			
0	Stream Bed Elev.				0	Stream Bed Elev.			
0	Groundwater Elev.:				0	Groundwater Elev.:			
	First Encounter					First Encounter			
	Upon Completion					Upon Completion			
	After					After			
10	Hard Gray Silty Clay Loam Till with High Gravel Content in Areas (continued)	11	6.8	12.3	10	Hard Gray Silty Clay Loam Till with Limestone Pieces (continued)	7	6.4	18.9
10		10	S		10		17	S	
6					10	End of Boring			
8		8	6.1	13.1					
10		10	S						
8									
8		8	5.8	13.2					
8		8	S						
3	Very Stiff Gray Silty Clay Loam Till	5	3.1	14.0					
5		5	S						
8		8	S						
4	Hard Gray Silty Clay Loam Till with Limestone Pieces	7	4.3	13.3					
10		10	S						
6									
8		8	5.6	13.8					
11		11	S						
15									
15		15	7.0	13.6					
15		15	S						
10									
12									
20									

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 T205) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 2
Date 1/5/09

ROUTE FA 18 (IL 17) DESCRIPTION W. Abutment, NW Quad LOGGED BY LJM

SECTION 15 (BR-2, BR-3) LOCATION SEC. TWP. RING

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151
Station

BORING NO. 4
Station 607.22
Offset 14.68
Ground Surface Elev. 610.43 ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode	DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode
0	Surface Water Elev.				0	Surface Water Elev.			
0	Stream Bed Elev.				0	Stream Bed Elev.			
0	Groundwater Elev.:				0	Groundwater Elev.:			
	First Encounter					First Encounter			
	Upon Completion					Upon Completion			
	After					After			
7	Augered White Shoulder Stone and Tan Sand & Gravel Fill	4		7.2	7	Hard Gray Silty Clay Loam Till with Heavy Gravel (continued)	11	6.7	12.8
4		4			13		13	S	
4	Loose Brown Fine to Coarse Fill Sand	4							
4		4							
4	Vary Stiff Black Silty Clay and Silty Clay Loam (Fill) with Some Black Gray Lenses (Fill)	4	3.5	25.5					
4		4	P		10		10	S	
6		6			11		9.7	13.7	
3		3			12		12	S	
3	Hard Gray Silty Clay Loam Till	3	3.5	24.2					
4		4	P						
1	Stiff Gray & Brown Silty Clay Loam	1	1.6	25.1					
2		2	B		8		4.1	16.1	
1		1			10		10	S	
2		2							
7	Hard Gray Silty Clay Loam Till with Heavy Gravel	7	6.4	14.6					
10		10	S						
5		5			8		4.4	13.5	
7		7	6.0	11.8	10		10	S	
10		10	S						
10									
10		10	6.4	12.1					
11		11	S						

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 T205) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 2 of 2
Date 1/5/09

ROUTE FA 18 (IL 17) DESCRIPTION W. Abutment, NW Quad LOGGED BY LJM

SECTION 15 (BR-2, BR-3) LOCATION SEC. TWP. RING

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0151
Station

BORING NO. 4
Station 607.22
Offset 14.68
Ground Surface Elev. 610.43 ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode	DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UCS (tsf)	Failure Mode
5	Hard Gray Silty Clay Loam Till (continued)	5	4.1	15.3	10	Hard Gray Silty Clay Loam Till with Larger Gravel Pieces (continued)	18	10.9	12.0
8		8			10		26	S	
10		10							
5									
5		5	4.8	14.7					
8		8	S						
5									
4		4	4.3	13.4					
9		9	S						
5	Hard Gray Silty Clay Loam Till with Larger Gravel Pieces	5							
4		4							
10									
11		11	9.1	10.7					
14		14	S						

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 T205) BBS, from 137 (Rev. 8-99)

DESIGNED SDH
CHECKED JML
DRAWN JWK/DJM
CHECKED MSW

DATE 10/07/09

FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

SOIL BORING LOGS
STRUCTURE NO. 053-0185

SHEET NO. B22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	41	(15BR-3)-1	LIVINGSTON	45	33
		SN 053-0185	CONTRACT NO. 66833		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	