

Illinois Department of Transportation
Division of Highways
District #9, Ottawa

SOIL BORING LOG

Page 1 of 2
Date 8/23/05

ROUTE FA Route 18 (Ill 17) DESCRIPTION West Abutment SW quad LOGGED BY LM-IDOT

SECTION 15BR LOCATION SW 1/4 of SE 1/4, SEC. 6, TWP. 30N, RNG. 8E, 3rd PM

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 053-0146	DEPT	BL	UCS	MOIST	Surface Water Elev. 610.38 ft	DEPT	BL	UCS	MOIST
Station 185+04.5	H	S	Qu	T	Stream Bed Elev. _____ ft	H	S	Qu	T
BORING NO. 1					Groundwater Elev.: _____ ft				
Station 184+59.5					First Encounter 601.3 ft				
Offset 46.00 ft					Upon Completion 603.8 ft				
Ground Surface Elev. 617.29 ft	(ft)	(/ft)	(tsf)	(%)	After 20 Hrs. 614.8 ft	(ft)	(/ft)	(tsf)	(%)

Augered Brown Silty Clay Loam Till					Stiff Gray Silty Clay w/ layers Fine Sand & Silt at 18'-24' (continued)				
615.29									
Stiff Brown & Gray Silty Clay Loam Till Fill	5					4			
	2					5	2.0	19.5	
	3					7	P		
	4				593.29				
	-8				Stiff Gray Silty Clay Loam Till				
	3	1.5	30.3			3			
	4	P				4	1.5	25.9	
610.79	4					5	B		
Very Soft Gray Silty Clay									
	3					2			
	2		39.7			4	1.0	15.9	
	3					5	B		
608.29									
Very Stiff To Hard Gray Silty Clay Loam Till									
	5					3			
	8	4.4	17.2			5	1.8	14.2	
	11	S				7	B		
603.29					565.79				
Very Stiff Gray Silty Clay Loam Till						5			
	5		20.8			8	3.3	13.7	
	10	S				11	B		
603.29									
Stiff Gray Silty Clay w/ layers Fine Sand & Silt at 18'-24'									
	-18					5			
	3	1.0	29.1			9	3.4	11.8	
	7	S				12	B		
	3				560.29				
	3	1.5	26.6						
	6	P							
	3								
	6								
	5								
	-20					-40	9		

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. 8-99)

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Station 184+59.5					First Encounter 601.3 ft				
Offset 46.00 ft					Upon Completion 603.8 ft				
Ground Surface Elev. 617.29 ft	(ft)	(/ft)	(tsf)	(%)	After 20 Hrs. 614.8 ft	(ft)	(/ft)	(tsf)	(%)

Hard Gray Silty Clay Loam Till (continued)	11	4.8	12.6		Hard Gray Silty Clay Loam Till (continued)	10	4.0	14.7	
	15	S				16	S		
	15								
	19	4.5	12.4			9			
	25	P				9	5.3	15.3	
					551.29	15	S		
					End of Boring				
	8								
	12	4.8	14.0						
	15	S							
	12								
	15	5.6	12.4						
	20	S							
	7								

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rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS
IL 17 OVER UNNAMED DRAINAGE DITCH
FAP RTE 41 - SECTION 15BR
LIVINGSTON COUNTY
STATION 185+05
STRUCTURE NO. 053-0182

DATE: 10/20/2006

DRAWN BY JMT
CHECKED BY BLB