

Contract #66665



**Illinois Department of Transportation**  
Division of Highways  
District #8, Ottawa

**SOIL BORING LOG**

Page 1 of 2

Date 8/24/05

ROUTE FA Route 18 (IL 17) DESCRIPTION East Abutment NE quad LOGGED BY LM-IDOT  
SECTION 15BR LOCATION SW 1/4 of SE 1/4, SEC. 6, TWP. 30N, RNG. 8E, 3<sup>rd</sup> PM  
COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOWS (/ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/ft)	UCS (tsf)	MOISTURE (%)
053-0146	185+04.5	2	49.00ft Lt	617.56					Surface Water Elev. 610.38 ft Stream Bed Elev. _____ ft				
									Groundwater Elev.: First Encounter _____ ft Upon Completion 607.1 ft After _____ Hrs. _____ ft				
									Augered Brown Silty Clay Loam Fill				
				615.56					Hard Brown Clay Loam Fill	5	4.0	16.0	
				613.56					Very Stiff Brown/Gray Silty Clay Till	3	2.5	20.8	
				611.06					Hard Gray Silty Clay Loam Till	5	5.6	16.6	
									Very Stiff Gray Silty Clay w/layers Silt & Very Fine Sand Varved Clay at 22'-23' (continued)	5	2.8	19.6	
									Stiff Gray Silty Clay Loam Till w/ layers Gray Silt	3	1.5	15.7	
									Very Stiff Gray Silty Clay Loam Till	5	1.8	14.9	
									Very Stiff Gray Silty Clay Loam Till	5	1.4	15.0	
									Very Stiff Gray Silty Clay Loam Till	6	4.0	18.5	
				603.56					Very Stiff Gray Silty Clay w/layers Silt & Very Fine Sand Varved Clay at 22'-23'	3	2.8	22.7	
										2	2.7	23.3	
										4			
										8			
										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 T206)  
BBS, from 137 (Rev. 8-99)



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053-0146	185+04.5	2	49.00ft Lt	617.56					Surface Water Elev. 610.38 ft Stream Bed Elev. _____ ft				
									Groundwater Elev.: First Encounter _____ ft Upon Completion 607.1 ft After _____ Hrs. _____ ft				
									Very Stiff Gray Silty Clay Loam Till (continued)	9	3.8	13.0	
									Very Stiff Gray Silty Clay Loam Till (continued)	11	8	3.5	17.1
										12	12		
										9	7		
										16	4.0	12.6	
										21	11	2.4	20.1
										7	15		
										7			
										9	4.0	14.7	
										13			
										9			
										11	2.5	16.8	
										15			
										5			

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12/19/2006 K:\11286681\Structures\Final Plans\Final Plans.dgn

<p>Excellence through Ownership</p> <p>200 West Front Street Wheaton, IL 60187</p>	<p>ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p>BORING LOGS IL 17 OVER UNNAMED DRAINAGE DITCH FAP RTE 41 - SECTION 15BR LIVINGSTON COUNTY STATION 185+05 STRUCTURE NO. 053-0182</p>
	<p>DATE: 10/20/2006</p> <p>DRAWN BY JMT CHECKED BY BLB</p>