



Illinois Department of Transportation
Division of Highways
Springfield, Illinois

SOIL BORING LOG

Date 5/27/10

ROUTE IL 47 (FAP 326) DESCRIPTION IL 47 over a Creek 0.5 Miles South of IL 17 LOGGED BY Larry Myers

SECTION (121) LOCATION SE 1/4, SEC. 8, TWP. 20N, RANG. 7E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-2541 (Exist)	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station 376+10 (Exist)	E	L	C	O	Stream Bed Elev.	892.72	E	L	C	O
BORING NO. 1 (N.E. Quad.)	P	W	S	T	Groundwater Elev.:		P	W	S	T
Station 375+92	H	S	Q _u	T	First Encounter		H	S	Q _u	T
Offset 18.00ft LL					Upon Completion	Dry				
Ground Surface Elev. 887.57	(ft)	(%)	(#)	(%)	After	Hrs.	(ft)	(%)	(#)	(%)

Augered White Shoulder Stone, Black Silty Clay Loam Fill					Hard Gray Silty Clay Loam Till (continued)						
						4			5	5.4	18.9
						5			8	S	
Very Stiff Black Silty Clay Loam Fill	3										
						5					
	4	3.5	28.4			5	5.4	18.8			
	4	P				8	S				
	2					8					
	3	2.5	33.0			10	5.0	17.9			
	4	P				10	S				
Very Stiff to Stiff Gray & Brown Silty Clay Loam Till	3										
						6					
	3	2.5	22.5			6	5.0	18.8			
	4	P				8	S				
Hard Brownish Gray Silty Clay Loam Till											
	4					5					
	5	5.1	18.8			8	4.8	17.4			
	6	S				7	S				
	3										
	3	4.5	21.8								
	6	S									
Hard Gray Silty Clay Loam Till											
	4					5					
	7	5.9	18.2			8	5.8	15.7			
	10	S				10	S				
End of Boring											
	4										
	7	5.8	17.1								
	8	S									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penebometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586)
EBS, form 137 (Rev. 8-99)



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Station 376+10 (Exist)	E	L	C	O	Stream Bed Elev.	882.81	E	L	C	O
BORING NO. 2 (S.W. Quad.)	P	W	S	T	Groundwater Elev.:		P	W	S	T
Station 376+20	H	S	Q _u	T	First Encounter		H	S	Q _u	T
Offset 17.00ft RL					Upon Completion	Dry				
Ground Surface Elev. 887.51	(ft)	(%)	(#)	(%)	After	Hrs.	(ft)	(%)	(#)	(%)

Augered White Shoulder Stone, Black Silty Clay Loam Fill					Hard Gray Silty Clay Loam Till (continued)						
						5			5	4.5	17.4
						8			8	B	
Very Stiff to Stiff Black Silty Clay Loam Fill	3										
						5					
	4	2.8	28.1			5	4.1	20.0			
	3	P				7	B				
	3										
	4	2.5	32.1			5	4.5	19.3			
	5	P				9	B				
Very Stiff to Stiff Brown & Gray Silty Clay Loam Till	4										
						6					
	4	3.8	19.1			6	4.8	21.9			
	5	B				10	S				
Hard Brownish Gray Silty Clay Loam Till											
	5					7					
	8	5.4	18.4			10	5.2	18.5			
	8	S				10	S				
	6										
	6	5.6	17.5								
	9	S									
Hard Gray Silty Clay Loam Till											
	4					4					
	5	4.7	15.9			5	4.8	20.3			
	8	S				8	S				
End of Boring											
	5										
	8	4.2	14.8								
	7	B									

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