



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 10/23/06

ROUTE SBI-48 (US45-52) DESCRIPTION US 45-52 over drainage ditch LOGGED BY Larry Myers

SECTION 138-B LOCATION NW 1/4, SEC. 17, TWP. 29N, RNG. 13W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPT	BL	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPT	BL	UCS	MOIST
038-0169	412+24	H	S	Qu	T	ft	ft	H	S	Qu	T
BORING NO. #1: SE Quad: S Abut	Station 412+63					Groundwater Elev.: First Encounter 611.9 ft ∇ Upon Completion 612.4 ft ∇					
Offset 19.00R R/L	Ground Surface Elev. 621.37 ft	(ft)	(#)	(tsf)	(%)			(ft)	(#)	(tsf)	(%)
Augered, dark brown, Silty Clay Loam-Topsail						Hard, gray, Silt with layers of Silty Loam Till		14	>4.5	15.9	
	629.37		4			Free H ₂ O with Silty Loam Till (continued)		14	P		
Hard, brown gray, Silty Clay to Silty Clay Loam-Loess			5	4.0	22.5			3			
			8	P				6	>4.5	23.5	
								9	P		
Hard, brown, Silty Clay Loam Till			4			Hard, gray, brittle, Silty Loam Till with layers of gray, Sand and Gravel @ 27'-28' some Silt layers		3			
	627.37		5	4.5	20.9			14	>4.5	12.2	
			6	S				24	P		
			7					7			
			10	8.0	17.8			14	>4.5	14.5	
			15	S				17	P		
Hard, gray, Silty Clay Loam Till			6					15			
	622.37		7	4.7	17.0			30	>4.5	13.0	
			10	S				41	P		
Very stiff, gray, Silty Clay Loam Till			3					30			
	619.87		5	3.5	19.2			100/4	5.8	11.5	
			7	S							
			3					30			
			5	3.9	19.0			61	>4.5	14.0	
			8	S				22	P		
Hard, gray, Silty Clay Loam Till			4					17			
	614.87		7	5.4	16.6			27	>4.5	13.4	
			11	S				31	P		
			7					31			
	611.87 ∇										

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)



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ROUTE SBI-49 (US45-52) DESCRIPTION US 45-52 over drainage ditch LOGGED BY Larry Myers

SECTION 138-B LOCATION NW 1/4, SEC. 17, TWP. 29N, RNG. 13W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPT	BL	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPT	BL	UCS	MOIST
038-0169	412+24	H	S	Qu	T	ft	ft	H	S	Qu	T
BORING NO. #1: SE Quad: S Abut	Station 412+63					Groundwater Elev.: First Encounter 611.9 ft ∇ Upon Completion 612.4 ft ∇					
Offset 19.00R R/L	Ground Surface Elev. 631.37 ft	(ft)	(#)	(tsf)	(%)			(ft)	(#)	(tsf)	(%)
Hard, gray, brittle, Silty Loam Till with layers of gray, Sand and Gravel @ 27'-29' some Silt layers (continued)			31	>4.5	16.5			115	P		
	609.37										
Very dense, gray, loamy, fine, Sand to coarse, Gravel with Cobble and Boulder size, and layers of Sandy Loam			75					49			
			65		8.5			100/5			
			80					80			
			80					80			
End of Boring	600.87		100/3		9.4						

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)