



**Illinois Department of Transportation**  
 Division of Highways  
 District #8, Ottawa  
 I-80 & Brisbin Road

# SOIL BORING LOG

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Date 4/1/10

ROUTE Interchange DESCRIPTION Interchange Lighting LOGGED BY Larry Myers

SECTION (32, 47-4)HBK-4 & (G) N LOCATION SW 1/4, SEC. 18, TWP. 34N, RNG. 8E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	(ft)	D	B	U	M
BORING NO.	Station	E	L	C	O	Stream Bed Elev.	(ft)	E	L	C	O
Offset	Ground Surface Elev.	P	O	S	I	Groundwater Elev.:	(ft)	T	W	Q	S
		H	S	Qu	T	First Encounter	(ft)	H	S	Qu	T
		T	W			Upon Completion	(ft) ∇				
		HT	HS	Qu	T	After	(ft)	(ft)	(ft)	(tsf)	(%)
	545.72	ft	(ft)	(ft)	(tsf)	(%)		525.22	30		15.5
Augered, Black, Silty Clay Loam & Brown, Silty Clay											
	543.22							Assumed Limestone Surface, Auger Refusal End of Boring	100/2'		
Stiff, Brown, Silty Loam/Silty Clay Loam Till											
			2								
			3	1.5	14.2						
			4	P							
Hard, Brown, Silty Loam, Till with Potential Cobbles/Boulders											
	540.72	-5						-25			
			8								
			10	4.7	10.3						
			13	S							
			16								
			21	6.1	8.9						
			28	S							
Hard, Gray, Silty Loam, Till											
	536.22	-10						-30			
			13								
			16	5.7	10.2						
			19	S							
			15								
			16	5.4	9.7						
			18	S							
Dense, Gray, Fine to Medium, Sand											
	530.72	-15						-35			
			16								
			21		12.5						
			24								
			9								
			19		18.6						
			23								
		∇-20						-40			

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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		H	S	Qu	T	First Encounter	(ft)	H	S	Qu	T
		T	W			Upon Completion	(ft) ∇				
		HT	HS	Qu	T	After	(ft)	(ft)	(ft)	(tsf)	(%)
	545.45	ft	(ft)	(ft)	(tsf)	(%)		527.45	18		7.3
Augered, Black, Silty Clay Loam, Topsoil & Brown, Loam											
	542.95							100/2'	>4.5	P	
Stiff, Brown, Loam, Sand, and Silt											
			3								
			2	1.5	15.5						
			3	P							
Hard, Brown, Silty Loam, Till											
	540.95	-5						-25			
			10								
			12	>4.5	11.2						
			14	P							
			10								
			12	6.1	13.9						
			14	S							
Hard, Gray, Silty Loam, Till											
	536.45	-10						-30			
			10								
			13	5.7	10.5						
			19	S							
			12								
			13	6.3	10.8						
			19	S							
Dense, Gray, Fine to Medium, Sand											
	530.72	-15						-35			
			12								
			15	6.1	10.7						
			18	S							
			9								
			19		18.6						
			23								
		∇-20						-40			

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