Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

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Date 3/17/10

ROUTE I-80 & Brisbin Road Interchange DESCRIPTION Interchange Lighting LOGGED BY Larry Myers

SECTION (32, 47-4)HBK-4 & (G) N LOCATION SE 1/4, SEC. 13, TWP. 34N, RNG. 7E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Tower #6
Station 420+22

BORING NO. 3002
Station 420+30
Offset 15.00ft Rt
Ground Surface Elev. 546.89 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 532.9 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black, Fill, Brown & Gray, Silty Clay Loess					
	541.89	-5			
Stiff to Very Stiff, Brown & Gray, Silty Clay Loam, Till			3		
			3	2.0	15.5
			3	P	
	539.89				
Hard, Brown, Silty Loam, Till					
			6		
			10	4.7	12.5
			10	S	
	536.89	-10			
Hard, Gray, Silty Loam, Till			10		
			17	5.6	14.6
			21	S	
			15		
			21	7.8	10.7
	▽		25	S	
		-15			
			17		
			25	8.1	8.1
			26	S	
			27		
			41	>4.5	6.5
			72	P	
		-20			
Hard, Gray, Silty Loam, Till (continued)	526.39		61	>4.5	6.5
			100/2"	P	
End of Boring					
		-25			
		-30			
		-35			
		-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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SOIL BORING LOG

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Date 4/1/10

ROUTE I-80 & Brisbin Road Interchange DESCRIPTION Interchange Lighting LOGGED BY Larry Myers

SECTION (32, 47-4)HBK-4 & (G) N LOCATION SE 1/4, SEC. 13, TWP. 34N, RNG. 7E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Tower #7
Station 412+65

BORING NO. 3004
Station 412+65
Offset 41.00ft Rt
Ground Surface Elev. 547.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 531.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black, Silty Clay Loam, Topsoil, Brown, Silty Clay, Loess					
	544.54				
Very Stiff, Brown, Silty Loam with Sand & Gravel Seams with Potential Cobble/Boulders & Free Water			3		
			3	2.0	15.5
			6	P	
		-5			
			8		
			18	3.5	17.0
			10	P	
			10		
			18	3.0	18.7
			21	P	
	537.54				
Hard, Gray, Silty Clay Loam, Till with Potential Cobbles/Boulders @ 18' and below		-10	8		
			16	6.7	8.7
			22	S	
			8		
			15	5.4	15.3
			18	S	
		-15			
			8		
	▽		11	5.1	13.9
			13	S	
			8		
			9	4.1	11.9
			14	S	
		-20			
Hard, Gray, Silty Clay Loam, Till with Potential Cobbles/Boulders @ 18' and below (continued)			8		
			9	4.3	11.1
			9	S	
			9		
			10	4.4	11.4
			11	S	
	523.04				
Hard, Light Gray, Silty Loam, Till with Potential Cobbles/Boulders		-25			
			11		
			18	4.9	8.0
			16	S	
	520.54				
End of Boring					
		-30			
		-35			
		-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)