



Illinois Department  
of Transportation

Division of Highways  
District #3, Ottawa

# SOIL BORING LOG

Page 1 of 1

Date 3/15/10

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

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

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
		(ft)	(/ft)	(tsf)	(%)	ft	ft	ft	ft	ft	ft
Tower #8	1394+37										
BORING NO.	3006										
Station	1394+40							536.4	538.9		
Offset	100.00ft Lt.										
Ground Surface Elev.	546.85										
Augered, Black, Silty Clay Loam, Fill with Gravel Pieces											
		544.35									
Stiff to Very Stiff, Brown, Silty Clay Loess											
			2								
			4	2.5	27.0						
			4	P							
		-5									
			2								
			2	1.0	22.6						
		540.35	3	P							
Stiff to Very Stiff, Brown, Silty Loam, Till with Free Water											
			2								
			3	1.5	15.6						
			6	P							
		-10									
			8								
			12	3.5	13.2						
		535.35	21	P							
Hard, Gray, Silty Clay Loam/Silty Loam, Till											
			17								
			21	8.8	8.6						
			26	S							
		-15									
			25								
			35	10.9*	11.5						
			44	S							
*Max Rimac @ 10%											
			28		7.9						
		528.85									
Auger Refusal @ 18', Assumed Limestone Surface End of Boring											
			100/0'								
		-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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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.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
		(ft)	(/ft)	(tsf)	(%)	ft	ft	ft	ft	ft	ft
Tower #9	405+47										
BORING NO.	3009										
Station	405+47										
Offset	50.00ft Rt.										
Ground Surface Elev.	544.36										
Augered, Black, Silty Clay Loam, Topsoil & Brown, Silty Clay, Loess											
		541.86									
Stiff, Brown, Silty Clay, Loess											
			2								
			3	1.0	26.2						
			2	P							
		539.36									
Hard, Brown, Silty Clay Loam/Silty Loam, Till with Potential Boulders/Cobbles											
			6								
			8	>4.5	12.5						
			10	P							
			13								
			18	5.1	15.9						
			21	S							
		534.36									
Very Stiff, Gray, Silt with Minor Clay											
			6								
			13	3.5	18.9						
			18	P							
		532.36									
Very Stiff, Gray, Loam, Sand & Silt Interbedded											
			12								
			16	3.5	8.6						
			19	P							
		529.36									
Hard, Gray, Silty Loam, Till with Heavy Gravel Pieces, Potential Cobbles/Boulders											
			9								
			13	4.5	8.3						
			16	P							
		527.36									
Assumed Limestone Surface, Auger Refusal											
		526.86									
End of Boring											
			100/1"								
		-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)

FILE NAME =	USER NAME = .USER.	DESIGNED - AKK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING SOIL BORING IV	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\1812\cadd\sheet\CD366408-sht-lighting.dgn	DRAWN - CGC	REVISED -									
PLOT SCALE = \$SCALE\$	CHECKED - JPW	REVISED -									
PLOT DATE = 5/19/2010	DATE - 5/19/2010	REVISED -									
SCALE: NONE						SHEET NO. 186 OF 351		SHEETS		STA. TO STA.	
						ILLINOIS FED. AID PROJECT		CONTRACT NO. 66408			

• FAI 80 & FAS 297 / FAU 392