



Illinois Department  
of Transportation

Division of Highways  
District #3, Ottawa  
I-80 & Brisbin Road

# SOIL BORING LOG

Page 1 of 1

Date 3/16/10

ROUTE 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 #	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station		(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
Tower #4	1376+11									
BORING NO.	3001									
Station	1376+15									
Offset	75.00ft Rt.									
Ground Surface Elev.	549.53									
Augered, Black, Silty Clay Loam, Gravel & Brown, Silty Clay Loam, Fill						21	19	>4.5	15.8	
						28	P			
						544.53	-5			
Stiff, Brown & Gray, Silty Clay, Loess						19	26	>4.5	16.2	
						29	P			
						542.53				
Very Stiff, Brown & Gray, Silty Clay Loam/Silty Loam, Till										
						3				
						5	3.3	14.8		
						6	S			
						540.03				
Hard, Brown, Silty Loam, Till										
						8				
						16	>4.5	12.3		
						21	P			
						537.53				
Hard, Gray, Silty Clay Loam/Silty Loam, Till with Heavy Limestone Gravel Pieces & Sand/Gravel Layers @ 18' with Free Water										
						9				
						14	7.4	8.6		
						18	S			
						-15				
						62				
						27	>4.5	7.9		
						34	P			
						27				
						55	>4.5	6.9		
						61	P			
						530.03				
						-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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STRUCT. NO.	TOWER #	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station		(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
Tower #5	1371+60									
BORING NO.	3000									
Station	1371+55									
Offset	75.00ft Lt.									
Ground Surface Elev.	546.59									
Augered, Black & Brown, Silty Clay Loam, Fill						19	20	>4.5	10.3	
						23	P			
						544.09				
Stiff, Brown, Silty Loam/Silty Clay Loam, Loess										
						2				
						3	2.0	26.9		
						4	P			
						542.09				
Stiff, Brown, Silty Loam, Till										
						-5				
						2				
						3	2.0	15.4		
						4	P			
						539.59				
Hard, Brown, Silty Loam, Till										
						8				
						12	5.1	13.1		
						17	S			
						-10				
						19				
						25	>4.5	12.7		
						36	P			
						534.59				
Hard, Gray, Silty Loam, Till										
						20				
						21	>4.5	10.0		
						30	P			
						-15				
						20				
						27	5.4	10.2		
						21	S			
						529.59				
Dense, Gray, Fine to Coarse, Sand with Free Water										
						16				
						18		15.2		
						30				
						527.59				
Hard, Gray, Silty Loam, Till										
						-20				

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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 II	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\1812\cadd\sheets\0366408-shl-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. 184 OF 351		SHEETS		STA. TO STA.	
								ILLINOIS FED. AID PROJECT			

• FAI 80 & FAS 297 / FAU 392

	(32,47-4) HBK-4 & (G) N	GRUNDY	351	184
CONTRACT NO. 66408				