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

SOIL BORING LOG

Page 1 of 1

Date 3/30/10

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. 18, TWP. 34N, RNG. 8E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Tower #10
Station 118+73

BORING NO. 3008
Station 118+73
Offset 68.00ft Rt.
Ground Surface Elev. 545.38 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 531.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black, Silty Clay Loam, Field Soil & Brown, Sandy Loam					
	542.88				
Soft to Medium, Gray, Loam/Sandy Loam			2		
			3	0.5	22.3
			3	P	
	540.38	-5			
Stiff to Very Stiff, Brown & Gray, Silty Clay Loam/Silty Loam, Till			3		
			3	2.0	14.8
			3	P	
	538.38				
Hard, Gray, Silty Clay Loam/Silty Loam, Till with Cobbles & Boulders @ 12.5'			10		
			12	6.1	13.3
			15	S	
		-10			
			12		
			21	7.2	12.8
			31	S	
			21		
			32	7.5	7.0
		▽	41	S	
		-15			
			21		
			100/5"	>4.5	7.9
				P	
	527.88				
Assumed Limestone Surface, Auger Refusal 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)

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ROUTE I-80 & Brisbin Road Interchange DESCRIPTION Interchage 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. Tower #11
Station 1403+60

BORING NO. 3011
Station 1403+60
Offset 99.00ft Lt.
Ground Surface Elev. 545.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 530.5 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black, Silty Clay Loam, Topsoil & Brown, Sandy Loam					
	543.00				
Loose, Brown, Fine to Coarse Sand - Slightly Loamy			3		
			2		19.1
			2		
	541.00				
Hard, Brown/Gray, Silty Loam, Till		-5			
			12		
			17	>4.5	10.0
			19	P	
	538.50				
Hard, Gray, Silty Loam, Till			14		
			22	>4.5	8.2
			29	P	
		-10			
			19		
			21	>4.5	6.4
			34	P	
			20		
			24	>4.5	8.4
			36	P	
	530.50 ▽	-15			
Assumed Limestone Surface, Auger Refusal @ 15' End of Boring			100/1"		3.8
		-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)

• FAI 80 & FAS 297 / FAU 392

FILE NAME = t:\1812\cadd sheets\0366408-sht-lighting.dgn	USER NAME = _USER_	DESIGNED - AKK	REVISED -
		DRAWN - CGC	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JPW	REVISED -
	PLOT DATE = 5/19/2010	DATE - 5/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING SOIL BORING V

SCALE: NONE | SHEET NO. 187 OF 351 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(32,47-4) HBK-4 & G(N)	GRUNDY	351	187

CONTRACT NO. 66408

ILLINOIS FED. AID PROJECT