## **Illinois Department** of Transportation

## **SOIL BORING LOG**

Page <u>1</u> of <u>1</u>

Date \_\_12/16/09\_

	District #3, Ottawa		
	FAI 80 (I-80) & FAS		Traffic Signal Borings for US 6 & Brisbin Road
OUTE	297/FAÙ 292 (US 6)	DESCRIPTION	Intersection

<b>ROUTE</b> 297/FAÙ 292 (US 6)	DE	SCRI	PTION			Intersection		LOGGED BY Larry Myers
<b>SECTION</b> (32, 47-4)HBK-4 &	(G)N	ι	_OCAT	ION _	NW 1/	4, <b>SEC</b> . 19, <b>TWP</b> . 34N,	RNG. 8E	
COUNTY Grundy D	RILLING	MET	HOD		Ho	llow Stem Auger	HAMMER TYPE	CME Automatic
STRUCT. NO		D E P	B L O	U C S	M O I	Surface Water Elev. Stream Bed Elev.	ft	
BORING NO.         1 (NE Quad.)           Station         204+51           Offset         81.00ft Lt.           Ground Surface Elev.         536.13		H (ft)	W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter Upon Completion After Hrs.	ft 523.6 ft 5	<u>.</u>
Augered, Black, Silty Clay Loam Topsoil								
Very Stiff, Grayish Brown, Silty Clay Loam	533.63		3 4 5	3.5 P	27.0			
Very Stiff, Light Brown, Silty Loam with Silt Layers	531.13	<u>-5</u>	3 4 5	3.5 P	20.4			
Hard, Brown, Silty Loam/Loam (some unconsolidated)	529.13		8 11 19	>4.5 P	11.8			
Hard, Gray, Silty Clay Loam Till	526.13	-10	8 10	6.4	10.0	·		
Medium, Gray, Fine/Coarse Clean Sand with Free Water	523.63		6 8	S	23.6			
		-15	6 6		21.5			
End of Boring	519.63		10					

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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FAI 80 (I-80) & FAS Traffic Signal Borings for US 6 & Brisbin Road DESCRIPTION LOGGED BY Larry Myers ROUTE 297/FAU 292 (US 6) Intersection

SECTION (32, 47-4)HBK-4 & (G)N LOCATION NE 1/4, SEC. 24, TWP. 34N, RNG. 7E Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic U STRUCT, NO. Surface Water Elev. С 0 Stream Bed Elev. 0 S W BORING NO. 2 (SW Quad.) S Groundwater Elev.: S Qu First Encounter Station 202+66 527.2 ft ∑ Offset 63.00ft Rt Upon Completion Ground Surface Elev. 533.15 ft (ft) (/6") (tsf) (%) After \_\_ Hrs. Augered, Black, Silty Clay Loam Topsoil Fill with Large Gravel Pieces Stiff to Very Stiff, Light Brown, Silty Loam with Silt Layers 3 2.0 22.4 4 Р 528.15 -5 Hard, Brown, Silty Loam/Loam (some unconsolidated) 10 >4.5 11.5  $\nabla$ 14 P 526.15 Hard, Gray, Silty Loam/Silty Clay Loam Till with Silt Layers (Auger 6 Refusal @ 10' on Boulder or 8 4.5 15.1 Cobble) 12 Р 523.15 -10 End of Boring 100/0"

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

COUNTY TOTAL SHEET NO.

GRUNDY 351 147

CONTRACT NO. 66408

FILE NAME =	USER NAME = _USER_	DESIGNED -	CGC	REVISED -	
t:@1812@cadd sheets@D3664D8-sht-ts.dgn		DRAWN -	CGC	REVISED -	
	PLOT SCALE = \$SCALE\$	CHECKED -	AKK	REVISED -	
	PLOT DATE = 5/19/2010	DATE -	5/19/2010	REVISED -	

				F.A.U. SECTION
BRISBIN RD	& US-6 TRAFFIC	SIGNAL FOUNDATION	SOIL BORINGS I	* (32,47-4) HBK-4 & G(N)
SCALE: 1"=20"	SHEET NO. 147 OF 35	SHEETS STA.	TO STA.	ILLINOIS   FED. A