



SOIL BORING LOG

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ROUTE I-80 DESCRIPTION P92-040-02a I-80 Bridge over BNRR, 1/4 m. E. of US 34 LOGGED BY Tim Bratt
 SECTION 06-5VB LOCATION Princeton Twp. - 3SE, SEC. , TWP. 16N, RNG. 9E
 COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPTH H	BLOW S	UCS Qu	MOIST T
					None	ft				
BORING NO. <u>B-3</u> Station <u>1229+72</u> Offset <u>31.00ft Rt EB CL</u> Ground Surface Elev. <u>726.9</u> ft										
		(ft)	(/6")	(tsf)	(%)					
Black, moist SILTY LOAM				26		STIFF gray SILTY CLAY TILL		2		
	725.40							4	1.8	10
MEDIUM brown SILTY LOAM				27			704.90	7	S	
	723.90					Same as above - VERY STIFF		3		
SOFT mottled tan-rust SILTY LOAM		1	0.4	25				4	2.4	14
	722.40	4	B				702.40	7	P	
		-5				Same as above - STIFF		3		
MEDIUM tan SILTY LOAM TILL		1		12				4	1.4	15
	719.90	3	0.9				699.90	7	P	
		6	S			Same as above - MEDIUM		2		
As above with SAND		3	0.8	13				3	0.8	14
	717.40	4	S				697.40	4	B	
		7				Same as above - STIFF		4		
STIFF tan brown SANDY LOAM TILL		1	1.6	12				5	1.1	14
	714.90	5	P				694.90	7	P	
		-10				Same as above		2		
SOFT gray SILTY LOAM TILL		2	0.3	15				4	1.6	14
	712.40	3	S				692.40	8	B	
		4				MEDIUM, Same as above with dirty SAND in nose		1		
Same as above		2	0.3	13				3	0.8	13
	709.90	4	S			STIFF, Same as above		7	B	
		6					689.90			
STIFF gray SILTY CLAY TILL		3						1		
	707.40	5	1.5	14				3	1.2	12
		7	S				687.40	5	B	
		-20						-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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		(ft)	(/6")	(tsf)	(%)					
turns MEDIUM		2		13		HARD brown SILTY CLAY		8		
	684.90	4	0.7					14	6.6	11
		6	B				664.90	21	S	
STIFF, Same as above		1		12		Same as above		10		
	682.40	4	1.7					15	6.5	10
		7	B				662.40	22	S	
		-15				Same as above		10		
Same as above		5		13				14	4.3	11
	679.90	6	1.2				659.90	21	S	
		9	B			MEDIUM, gray SILTY CLAY TILL		11		
		27	0.6	12				16	8.1	11
MEDIUM, gray SILTY CLAY TILL		24	B				657.40	24	S	
	677.40					HARD brown SILTY CLAY TILL		8		
		-30						13	6.0	11
VERY STIFF gray SILTY CLAY TILL		9		11		Same as above		19	S	
	674.90	12	3.5				654.90			
		20	B			Same as above		6		
HARD brown SILTY CLAY TILL		17		11				10	4.3	11
	672.40	27	5.4				652.40	17	B	
		37	S			End of Boring				
		-35						-75		
HARD brown SILTY CLAY TILL		11		11						
	669.90	13	5.1							
		21	B							
Same as above		10		11						
	667.40	15	6.4							
		22	S							
		-50						-90		

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 BBS, from 137 (Rev. 8-99)

Stationing Note:

Plan Station 3080+55.07 = 1230+04.12

FILE NAME =	USER NAME =	DESIGNED - PF	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS - 5 STRUCTURE NO. 006-0176 EB AND 006-0177 WB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
TYLIN INTERNATIONAL		CHECKED - PF	REVISIONS -			80	[006-5HBR-1.VBR106-6]RS-3&1	BUREAU	299	144	
PLOT SCALE =		DRAWN - DY	REVISIONS -			SHEET NO. 40 OF 43 SHEETS		CONTRACT NO. 66686		ILLINOIS FED. AID PROJECT	
PLOT DATE = 09/13/2011		CHECKED - PF	REVISIONS -								