



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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ROUTE FAI 80 DESCRIPTION P92-040-02b Bridge, I-80 over US 34, 1.7 m. E. of IL 26 Date 3/15/04
SECTION 06-5HB-1 LOCATION Princeton Twp. - 3SE, SEC., TWP. 16N, RNG. 9E LOGGED BY W. Garza
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
SOFT brown SILTY CLAY LOAM			0.4 P	27					
729.80					710.80	5			
						4	2.3 P	27	
						6			
VERY STIFF brown tan SILTY CLAY LOAM	6	2.5 B	20						
728.30	7				708.30	2			
	9					3	0.8 B	26	
						4			
HARD brown tan SANDY CLAY	6	5.1 S	13						
725.80	8				705.80	2			
	8					2	0.6 B	25	
						3			
HARD brown gray SILTY LOAM	5	4.1 S	14						
723.30	7				703.30	3			
	8					3	1.8 B	16	
						4			
HARD brown gray SILTY LOAM	5	4.5 S	19						
720.80	6				700.30	3			
	8					4	0.9 B	15	
						5			
HARD tan SILTY CLAY LOAM	5	4.3 B	23						
718.30	6				698.30	3			
	8					7			
						13			
HARD tan SILTY CLAY TILL	6	4.1 B	14						
715.80	7				695.30	7			
	9					9			
						11			
VERY STIFF gray SILTY CLAY	4	3.5 B	23						
713.30	6				693.30	3			
	8					4	2.1 B	13	
						8			

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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VERY STIFF gray SILTY CLAY TILL									
1219+91					690.30	3			
						7	3.7 B	13	
						11			
MEDIUM gray SAND & GRAVEL	3								
688.30	8				678.30	3			
	10					8			
						10			
MEDIUM gray SAND & GRAVEL	3								
685.30	7				685.30	3			
	5					7			
						5			
MEDIUM gray SILT	9	0.8 P	26						
683.30	6				683.30	6			
	5					5			
						5			
Wash VERY SOFT gray SILTY CLAY with SAND lens	2	0.3 B	23						
680.80	4				680.80	4			
	4					4			
						4			
STIFF gray SANDY CLAY TILL with medium GRAVEL	4	1.4 B	13						
678.30	7				678.30	7			
	10					10			
						10			
HARD gray SANDY CLAY TILL	6	6.6 B	11						
675.80	11				675.80	11			
	15					15			
						15			
VERY STIFF gray SANDY CLAY TILL	9	5.2 B	11						
673.30	13				673.30	13			
	19					19			
						19			
End of Boring									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

Stationing Note:

Plan Station 3070+32.00 = 1219+90.89

FILE NAME =	USER NAME =	DESIGNED - DY	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING B-5 STRUCTURE NO. 006-0020 EB AND 006-0021 WB	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYLIN INTERNATIONAL	PLOT SCALE =	CHECKED - PF	REVISIONS -			BO	006-5HBR-1.VBR/06-6/RS-3&1	BUREAU	249	104
PLOT DATE = 01/13/2011	CHECKED - PF	REVISIONS -	REVISIONS -			CONTRACT NO. 66686				
						ILLINOIS FED. AID PROJECT				