



Illinois Department of Transportation  
Division of Highways  
IDOT

### SOIL BORING LOG

Page 1 of 3

ROUTE I-80 DESCRIPTION P92-040-02a I-80 Bridge over BNRR, 1/4 m. E. of US 34 Date 3/22/04  
SECTION 06-5VB 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	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	DEPTH H	BLOW S	UCS Qu	MOIST T	Description
1229+99						27.0						
B-1						718.5						
1231+54												
6.00R Rt Med. Cl												
756.0												
STIFF brown SILTY CLAY LOAM			1.1	24								VERY STIFF gray/brown SILTY LOAM with ORGANICS
								4				
								6	3.7		21	
								9	B			
	753.50											
VERY STIFF gray/tan SILTY CLAY		3										
		5	3.9	13								
		7	B									
	752.00											
VERY STIFF gray SILTY CLAY		7										
		6	2.1	24								
		9	B									
	749.50											
VERY STIFF tan/gray SILTY CLAY LOAM		4										
		5	2.7	23								
		8	B									
	747.00											
VERY STIFF tan/gray SILTY CLAY LOAM		5										
		5	2.1	22								
		8	B									
	744.50											
VERY STIFF gray/brown SILTY CLAY LOAM		4										
		7	3.1									
		11	B									
	742.00											
VERY STIFF tan SILTY CLAY		5										
		8	2.1	23								
		9	B									
	739.50											
VERY STIFF gray/brown SILTY LOAM with ORGANICS		6										
		9	3.7	21								
		12	S									
	737.00											

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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1229+99						27.0						
B-1						718.5						
1231+54												
6.00R Rt Med. Cl												
756.0												
VERY STIFF gray SILTY CLAY TILL		5										
		5	2.1	14								
		7	B									
	714.50											
STIFF tan SILT		5										
		10	1.5	18								
		12	B									
	712.00											
VERY STIFF gray SILTY CLAY TILL with SAND lens		4										
		6	2.5	12								
		8	B									
	709.50											
VERY STIFF gray SILTY CLAY TILL		2										
		5	2.1	13								
		7	B									
	707.00											
STIFF gray SILTY CLAY TILL, with medium GRAVEL		2										
		5	1.9	15								
		7	B									
	704.50											
VERY STIFF gray SILTY CLAY TILL with medium GRAVEL		2										
		4	1.7	25								
		7	B									
	702.00											
STIFF gray SILTY CLAY TILL		2										
		5	1.9	14								
		7	B									
	699.50											
VERY STIFF gray SILTY CLAY TILL		4										
		7	2.7	15								
		10	B									
	697.00											

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 3080+55.07 = Boring Station 1230+04.12

FILE NAME =	USER NAME =	DESIGNED - PF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORINGS - 1 STRUCTURE NO. 006-0176 EB AND 006-0177 WB</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYLIN INTERNATIONAL		CHECKED - PF	REVISED -			80	D06-5HBR-1.VBR(06-6)RS-3&I	BUREAU	249	14
PLOT SCALE =		DRAWN - DY	REVISED -			CONTRACT NO. 66686				
PLOT DATE = 09/13/2011		CHECKED - PF	REVISED -			ILLINOIS FED. AID PROJECT				

#FILE#

#DYES