



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

ROUTE FAI 80 DESCRIPTION P92-040-02b Bridge, I-80 over US 34, 1.7 m. S. of IL 26 Date 3/12/04
LOGGED BY W. Garza

SECTION 06-5HB-1 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. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	Elevation (ft)	DEPTH H	BLOW S	UCS Qu	MOIST T	
																		(ft)
1219+91						18.4												
B-4						693.3												
1219+30																		
34.00ft Lt of CL EB																		
728.3																		
MEDIUM brown SILTY CLAY LOAM			0.5	22								MEDIUM gray SILTY CLAY						
			P										706.80					
VERY STIFF tan SILTY LOAM	725.80	6										SOFT gray tan SILTY LOAM						
		6	3.0	20									704.30					
	724.30	9	P															
VERY STIFF tan SILTY CLAY LOAM		6										MEDIUM gray tan SILTY LOAM						
		7	3.5	13									701.80					
	721.80	11	B															
VERY STIFF gray SILTY CLAY LOAM		5										MEDIUM gray tan SILTY CLAY TILL with dirty SAND lens						
		8	3.7	22									699.30					
	719.30	10	B															
VERY STIFF gray SILTY CLAY LOAM		9										VERY STIFF gray SILTY CLAY TILL						
		8	3.5	25									696.80					
	716.80	11	B															
VERY STIFF tan gray SILTY LOAM		3										HARD gray SILTY CLAY TILL with 6" SAND lens						
		5	2.4	13									694.30					
	714.30	8	S															
VERY STIFF gray tan SILTY CLAY TILL		6										HARD gray SILTY CLAY TILL with SAND lens						
		7	3.9	16									691.80					
	711.80	9	S															
VERY STIFF gray SILTY CLAY		5										VERY STIFF gray SILTY CLAY TILL						
		8	2.7	26									689.30					
	709.30	11	B															

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)
1219+91						18.4												
B-4						693.3												
1219+30																		
34.00ft Lt of CL EB																		
728.3																		
VERY LOOSE gray SAND		1										HARD gray SANDY CLAY TILL with medium GRAVEL						
		1											666.80					
		2																
	666.30																	
WASH VERY STIFF gray SILTY CLAY TILL		8										HARD gray SANDY CLAY TILL with medium GRAVEL						
		10	2.7	13									664.30					
	684.30	10	B															
HARD gray SANDY CLAY TILL		5										HARD gray SANDY CLAY TILL with medium GRAVEL						
		9	4.1	12									661.80					
	681.80	16	B															
HARD gray SANDY CLAY TILL with medium GRAVEL		9										HARD gray SANDY CLAY TILL with medium GRAVEL						
		13	5.0	12									659.30					
	679.30	16	B															
HARD gray SANDY CLAY TILL		8										HARD gray SANDY CLAY TILL with SAND lens						
		13	5.7	11									656.80					
	676.80	19	S															
HARD gray SANDY CLAY TILL with medium GRAVEL		11										HARD gray SANDY CLAY TILL with medium GRAVEL						
		16	6.2	11									656.80					
	674.30	23	B															
HARD gray SANDY CLAY TILL with medium GRAVEL		11										HARD gray SANDY CLAY TILL with medium GRAVEL						
		17	6.6	11									656.80					
	671.80	24	S															
HARD gray SANDY CLAY TILL with medium GRAVEL		10										HARD gray SANDY CLAY TILL with medium GRAVEL						
		13	7.0	12									669.30					
	669.30	19	S															

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Stationing Note:

Plan Station 3070+32.00 = 1219+90.89

FILE NAME =	USER NAME =	DESIGNED - DY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING B-4 STRUCTURE NO. 006-0020 EB AND 006-0021 WB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYLIN INTERNATIONAL	CHECKED - PF	REVISED -	REVISED -			80	006-5HBR-1, VBR, 06-6JRS-3&I	BUREAU	249	102
PLOT SCALE =	DRAWN - DY	REVISED -	REVISED -			CONTRACT NO. 66686				
PLOT DATE = 09/13/2011	CHECKED - PF	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				