



# SOIL BORING LOG

ROUTE FAI 80 DESCRIPTION P92-040-02b Bridge over US 34, 1.7 m. E. of IL 26 Date 3/3/04  
 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	BORING NO. Station	Offset	Ground Surface Elev.	D E P T H ft	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev.	Groundwater Elev.: First Encounter Upon Completion After Hrs.	D E P T H ft	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Description	Elev. ft
1219+91	B-1	41.00ft Rl CL	710.8					18.4						8" Asphalt LOOSE brown SANDY LOAM	
							5							VERY STIFF gray SILTY CLAY TILL with SAND lens	688.80
			708.30											MEDIUM gray fine SAND	
			706.80	10	6	3.9	18								686.80
				6	6									Wash MEDIUM gray medium clean SAND & GRAVEL	683.80
			704.30	3	3	1.3	25							STIFF gray SILTY CLAY TILL	681.80
				5	5										679.30
			701.80	1	2	0.5	40							STIFF gray SILTY CLAY TILL	676.80
				2	2										674.30
				2	3	0.3	32							HARD gray SANDY CLAY TILL with medium SAND	671.80
			699.30	1	2										668.80
				3	3										666.80
			696.80	4	5	1.9	14							VERY STIFF gray SILTY CLAY TILL	664.30
				5	6										661.80
			694.30	4	5	2.1	16							HARD gray SANDY CLAY TILL with GRAVEL	659.30
				6	6										657.80
			691.80	4	6	3.3	17							HARD gray SANDY CLAY TILL with GRAVEL	655.30
				8	8										653.80

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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1219+91	B-1	41.00ft Rl CL	710.8					18.4						HARD gray SANDY CLAY TILL with GRAVEL	
															649.30
			688.80	5	9	7.0	11							DENSE gray hard SANDY CLAY TILL	
			686.80	14	19									HARD gray SANDY CLAY TILL with GRAVEL & SAND lens	646.80
			684.30	17	22										644.30
			683.80	2	9	2.3	12							HARD gray SANDY CLAY TILL with GRAVEL & SAND lens	664.30
			681.80	4	11	5.6	16								661.80
			679.30	2	4	1.6	13							HARD gray SANDY CLAY TILL with ORGANICS	661.80
			676.80	5	6										659.30
			674.30	2	4	1.6	14							HARD gray SANDY CLAY TILL with GRAVEL	659.30
			671.80	6	6										657.80
			668.80	4	6	2.3	12							HARD gray SANDY CLAY TILL	656.80
			666.80	9	9										655.30
			664.30	4	6	4.1	12							HARD gray SANDY CLAY TILL with GRAVEL	654.30
			661.80	6	9										653.80
			659.30	8	12	6.2	12							HARD gray SANDY CLAY TILL with GRAVEL	653.80
			657.80	12	19										651.80
			655.30	9	13	5.4	12								651.80
			653.80	10	15	4.7	12							HARD gray SANDY CLAY TILL with GRAVEL	651.80
			651.80	18	18										651.80
			649.30	7	11	4.1	12							HARD gray SANDY CLAY TILL with GRAVEL	649.30
			646.80	16	16										646.80

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Stationing Note:  
 Plan Station 3070+32.00 = Boring Station 1219+90.89

FILE NAME =	USER NAME =	DESIGNED - DY	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING B-1 STRUCTURE NO. 006-0020 EB AND 006-0021 WB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYLIN INTERNATIONAL		CHECKED - PF	REVISOR -			80	006-5HBR-1.VBR(06-6)RS-3&I	BUREAU	249	160
PLOT SCALE =		DRAWN - DY	REVISOR -							
PLOT DATE = 09/13/2011		CHECKED - PF	REVISOR -							CONTRACT NO. 66686
					SHEET NO. 33 OF 37 SHEETS		ILLINOIS FED. AID PROJECT			