

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TWP.	RNG.	SHEET NO.
FAI 80	06-8HBR	BUREAU	165	93	22 SHEETS
FEL-ROAD DIST. NO. 7		ILL. DIST. PROJECT		FED. AID PROJECT	

Contract # 65641



SOIL BORING LOG

Page 2 of 2

Date 11/29/05

ROUTE FAI 80 DESCRIPTION P92-065-05 IL 89 Bridge over I-80, .75 m. S. of Ladd LOGGED BY W. Garza  
SECTION 06-8HBR LOCATION Hall Twp. - 15 SW. SEC., TWP. 16N, RNG. 11E  
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	DEPTH (ft)	BLOW (/ft)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (/ft)	UCS (tsf)	MOIST (%)
006-0178 Prop. B-2 229+18 1.00ft Rt. CL 676.20	3	4	1.7	13.0	STIFF gray SILTY LOAM TILL	100/6'			
	4	9	B		VERY DENSE gray fine well-cemented TILL	814.70			
	3	4	0.8	13.0	MEDIUM gray SILTY LOAM TILL				
	6	6	B						
	2	2			STIFF gray SANDY CLAY LOAM				
	3	5	1.2	12.0					
	5	5	B						
	3	3			STIFF gray SANDY CLAY LOAM TILL				
	3	6	1.3	12.0					
	6	6	B						
	4	13	3.7	11.0	VERY STIFF brown LOAM TILL				
	30	30	B						
	39	44	8.2	9.0	HARD gray TILL with SAND lens				
	44	46	S						
	44	44			Wash				
	100/7'				VERY DENSE gray well-cemented TILL				
	32	40			VERY DENSE gray fine well-cemented TILL				
	40	47							
	47								
	60								

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)



SOIL BORING LOG

Page 1 of 2

Date 12/21/05

ROUTE FAI 80 DESCRIPTION P92-065-05 IL 89 Bridge over I-80 LOGGED BY W. Garza  
SECTION 06-8HBR LOCATION Hall Twp. - 15 SW. SEC., TWP. 16N, RNG. 11E  
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	DEPTH (ft)	BLOW (/ft)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (/ft)	UCS (tsf)	MOIST (%)
B-3 240+73 45.00ft Lt. CL 855.50					STIFF brown LOAM				
			1.0	18.0					
	7	7	0.8	19.0	MEDIUM brown SILTY LOAM				
	8	8	P						
	3	3			STIFF tan SILTY CLAY LOAM				
	3	4	1.4	25.0					
	4	4	P						
	2	2			STIFF tan SILTY CLAY LOAM				
	4	5	1.9	16.0					
	5	5	B						
	2	4	2.5	15.0	VERY STIFF tan SILTY CLAY LOAM TILL				
	6	6	B						
	7	11	3.1	12.0	VERY STIFF gray SILTY LOAM TILL with SAND lens				
	10	10	P						
	4	6	1.2	13.0	STIFF gray SILTY CLAY LOAM TILL				
	6	14	B						
	5	8	2.7	17.0	VERY STIFF gray SILTY CLAY TILL				
	11	11	B						
	8								
	6								

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COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

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B-3 240+73 45.00ft Lt. CL 855.50					STIFF gray SILTY CLAY LOAM TILL (continued)				
	8	9	1.6	13.0					
	5	5			VERY STIFF gray SILT				
	5	7	2.4	19.0					
	7	7	S						
	3	3			STIFF gray SILTY CLAY LOAM TILL				
	4	5	1.7	13.0					
	5	4	B						
	3	3			STIFF gray SILTY CLAY LOAM TILL				
	3	6	1.2	13.0					
	6	6	B						
	3	7	6.2	9.0	VERY DENSE gray well-cemented SANDY LOAM TILL				
	47	47	B						
	35	35			VERY DENSE Gray well-cemented SANDY LOAM TILL, dry				
	35	50							
	35	35			VERY DENSE gray fine SAND with SILT lens				
	9	17							
	17	48							
	45	45			VERY DENSE gray well-cemented SILT				
	100/6'								
	16								

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BBS, from 137 (Rev. 8-99)

PLOT DATE = 7/30/2007  
FILE NAME = G:\PROJECT\2864881\_002\COORD\LR\BHR\_BOR2.dwg  
PLOT SCALE = N/A  
USER NAME = zhangmb

DESIGNED	BPS
CHECKED	BHS
DRAWN	RRG
CHECKED	GSP



BORING LOGS (2 OF 2)  
IL ROUTE 89 OVER  
FAI ROUTE 80 (I-80)  
SECTION 06-8HBR  
BUREAU COUNTY  
STATION 3702+69.82  
STRUCTURE NO. 006-0178