

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.P. 311		LaSalle	66	7
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*(3)BR-1,2,3 & (4)BR Contract #66741				

SOIL BORING B-1 (Page 1 of 2)

Page 1 of 2

Date 9/26/06

ROUTE FA-97 (IL 71) DESCRIPTION IL 71 over Mission Creek LOGGED BY Larry Myers

SECTION 3-B LOCATION SW 1/4, SEC. 14, TWP. 35N, RNG. 05E

COUNTY La Salle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0061
Station 754+35

BORING NO. #1: SW Quad. S Abut.
Station 754+13
Offset 15.00ft Left
Ground Surface Elev. 628.05 ft

DEPTH (ft)	BLOWS (B)	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (B)	UCS (tsf)	MOIST (%)
				Augered, white, shoulder stone and black brown, Silty Clay- fill	5		25.6	
					7			
626.05	4			Very stiff, black brown, Silty Clay- fill		wh		
	3	2.5	28.8		5		21.7	
	4	P			9			
					8			
	2	2.5	29.0		10		24.9	
	4	P			12			
621.05	1			Very stiff, gray, Silty Clay Loam Till	5			
	2	2.1	21.3		11		22.6	
	3	B			16			
					3			
	2	2.5	16.8		3		21.3	
	4	P			3	1.0	13.3	
617.05				Stiff, black, Silty Clay Loam				
	1				3			
	3	2.0	29.7	Very stiff, brown, Silty Clay with pockets of Clay and pockets of Silt	1			
	3	P			3	3.0	24.1	
					5	P		
614.05				Very stiff, gray, Silty Clay Loam Till				
	2				5			
	3	2.5	19.5		7	3.1	22.4	
	5	S			11	B		
611.55				Stiff, brownish gray, Sandy Clay Loam Till				
	2				8			
	3	1.5	12.1	Very stiff, brown to gray, Silty Clay Loam Till	12	3.7	9.6	
	3	P		37' sampling interval: washed	16	S		
608.55					8			
	2							

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)

DESIGNED	LAS
CHECKED	JLA
DRAWN	SAW
CHECKED	LAS

SOIL BORING B-1 (Page 2 of 2)

Page 2 of 2

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	16		20.6	Dense, gray, fine to medium, Sand with pieces of gray, Silty Clay Loam Till and layers of ultra fine, Sand/Silt	8		no	
	23				8		recovery	
588.05				42' sampling interval: washed (continued)				
	7				2			
	10	3.0	65.6	Very stiff, 6" gray, Silty Clay over dark brown, highly organic, Silty Clay- buried soil	3	1.7	14.0	
	15	P			5	B		
	5				4			
	7	4.0	45.7		6	2.0	18.2	
	9	P			7	P		
581.55				Dense, brown gray, Sandy Loam with some layers unconsolidated				
	5				8			
	8	2.0	17.6	Hard, gray, Clay Loam/Loam Till with large gravelly, Limestone pieces up to cobble/boulder size	10	4.5	21.1	
	10	S		67' sampling interval: washed	70	P		
				Rocks on auger- couldn't wash or clean out- no sample				
	3				75			
578.05				Very stiff, tan gray, Silt with minor Clay and layers of Silty Clay after 55'	100/2'	4.5	8.4	
	6	3.0	25.4	Auger head material indicated a highly weathered, reworked, calcareous, Shale with large, Limestone fragment				
	9	P						
				59.5' sample interval- rock in shoe- no recovery				
	9							
	16	2.5	22.7	Auger refusal @ 72' End of Boring				
	16	P						
	3							
	3	3.0	19.1					
	6	P						
	3							
	12	2.0	21.4					
	5	P						
	9							

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BBS, from 137 (Rev. 8-99)

BORING LOGS
IL 71 OVER MISSION CREEK
FAP ROUTE 311
SECTION (3)BR-1,2,3 & (4)BR
LASALLE COUNTY
STA. 754+35
S.N. 050-2047