

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.P. 311	*	LaSalle	66	48
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 7
8 SHEETS

*(3)BR-1,2,3 & (4)BR Contract #66741

SOIL BORING B-1 (Page 1 of 2)

SOIL BORING B-1 (Page 2 of 2)

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2
Date 9/14/06

ROUTE FA-97 (IL71) DESCRIPTION IL 71 over Mission Creek LOGGED BY Larry Myers
SECTION 4-B LOCATION NW 1/4, SEC. 27, TWP. 35N, RNG. 05E
COUNTY La Salle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0064
Station 641+18
BORING NO. #1: SW Quad: S Abut.
Station 640+92
Offset 14.50ft Lt
Ground Surface Elev. 630.98 ft

DEPTH (ft)	DIAMETER (in)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	FAILURE MODE (%)	DESCRIPTION	DEPTH (ft)	DIAMETER (in)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	FAILURE MODE (%)	DESCRIPTION
				Augered, white, shoulder Stone and black, gray, green, Silty Clay with concrete debris- fill					Surface Water Elev. 633.68 ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter 577.0 ft Upon Completion _____ ft After _____ Hrs.
628.98	14	2.5	22.5	Very stiff, gray, green, brown, Silty Clay fill with concrete debris	10	4.0	9.9		Hard, brown gray, Sandy Loam to Silty Clay Loam with layers of Sand and Gravel
626.98	3	P			609.48	9	P		Very stiff, gray, Sandy Clay Loam Till
626.98	3			Very stiff, black gray, Silty Clay to Silty Clay Loam- alluvial backwater deposits, with a trace of organics	3	3.5	9.1		
	4	3.0	27.8		604.48	6	S		Hard, gray, Sandy Clay Loam to Sandy Loam Till with layers of fine, Sand and Silt- hard and brittle
	5	P			602.48	20	P	9.6	
621.98	4			Hard, brown gray, Silty Clay Till	2	2.3	32.6		Very stiff to hard, gray, Silt with a trace Clay and pockets of hard, gray, Silty Clay to Clay at 34'+
	5	4.1	24.0		618.98	5			
	6	S				7	5.0	22.2	
618.98	5			Hard, gray, Clay to Silty Clay- borderline Till		12	S		
	7	5.0	22.3			11	S		
	11	S			614.48	3			Stiff, gray, Clay to Silty Clay- borderline Till
	4	1.9	27.1			5	B		
	5	B				19	4.0	15.9	
						28	P		
						581.98			
610.98	2		14.6			6			

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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Page 2 of 2
Date 9/14/06

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Station 640+92
Offset 14.50ft Lt
Ground Surface Elev. 630.98 ft

DEPTH (ft)	DIAMETER (in)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	FAILURE MODE (%)	DESCRIPTION	DEPTH (ft)	DIAMETER (in)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	FAILURE MODE (%)	DESCRIPTION
				Augered, white, shoulder Stone and black, gray, green, Silty Clay with concrete debris- fill					Surface Water Elev. 633.68 ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter 577.0 ft Upon Completion _____ ft After _____ Hrs.
628.98	14	2.5	22.5	Very stiff, gray, green, brown, Silty Clay fill with concrete debris	8	3.3	23.3		Very stiff to hard, brown, Clay to Silty Clay with heavy, Silt pockets/ribbons (continued)
626.98	3	P			12	S			Hard, gray, Sandy Clay Loam Till
626.98	3			Very stiff, black gray, Silty Clay to Silty Clay Loam- alluvial backwater deposits, with a trace of organics	8				62' interval: washed
	4	3.0	27.8		18	9.3	20.0		
	5	P			24	S			
621.98	4			Hard, brown gray, Silty Clay Till	586.98				End of Boring
	5	4.1	24.0			9			
	6	S				14	8.0	15.4	
618.98	5			Hard, gray, Clay to Silty Clay- borderline Till		20	S		
	7	5.0	22.2		584.48	12			
	12	S				17	7.2	10.9	
	11	S				24	S		
614.48	4			Stiff, gray, Clay to Silty Clay- borderline Till		11			
	5	4.1	24.0			21	7.2	9.0	
	6	S				31	S		
618.98	5			Hard, gray, Clay to Silty Clay- borderline Till	579.48				
	7	5.0	22.2			18			
	12	S				36	>4.5	8.6	
	11	S				36	P		
614.48	4			Stiff, gray, Clay to Silty Clay- borderline Till	575.98				
	5	4.1	24.0			6			
	7	5.0	22.3			9			
	11	S				10			
610.98	2		14.6			8			
	4	1.9	27.1			16			
	5	B				50			
						21			

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

BORING LOGS
IL 71 OVER MISSION CREEK
FAP ROUTE 311
SECTION (3)BR-1,2,3 & (4)BR
LASALLE COUNTY
STA. 641+18.00
S.N. 050-2050