STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 311	*	LaSalle	66	33
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
7 SHEETS

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

SOIL BORING B-1 (Page 1 of 2)

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

SOIL BORING LOG

Page 1 of 2

Date 9/19/06

ROUTE FA-97 (IL71) DESCRIPTION IL 7, Creek and Cattle Crs LOGGED BY Larry Myers

SECTION 3-B LOCATION SE 1/4, SEC. 22, TWP. 35N, RNG. 05E

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

STRUCT. NO. 050-0062
Station 683+28

BORING NO. 1 S.E. Quad
Station 683.05
Offset 13.00ft Rt
Ground Surface Elev. 629.66 ft

Surface Water Elev. 619.79 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 581.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, white, shoulder stone and black, Silty Clay- fill					
	627.66				
Very stiff, black, Silty Clay with gravel pieces - fill			4		
			4	3.0	28.8
			5	P	
		-5	3		
			3	3.0	30.1
			4	P	
	622.66				
Very stiff, brown, Silty Clay (Loess)			2		
			3	2.5	26.9
			4	P	
	620.16				
Stiff, brown, Silty Clay Loam to Loam with layers of loamy, Sand and Gravel		-10	2		
			2	2.0	22.8
			2	P	
	618.16				
Hard, brown, Silty Clay Loam Till			4		
			7	7.4	18.3
			12	S	
	615.66				
Hard, gray, Silty Clay Loam Till		-15	4		
			10	8.5	17.6
			17	S	
			5		
			7	4.1	21.1
			9	S	
		-20	4		
Hard, gray, Silty Clay Loam Till *(continued)*			7	4.1	21.7
			8	S	
	607.66				
Very stiff, gray, Sandy Clay Loam Till with layers of Silt and fine Sand			3		
			5	2.7	11.3
			7	S	
		-25	3		
			6	2.5	13.6
			15	S	
	603.16				
Hard, brownish gray, Sandy Clay Loam Till with pockets of loamy, Sand and Gravel			8		
			20	>4.5	8.9
			24	P	
		-30	5		
			7	rock	
			11	in	
	598.66			shoe	
Very stiff, brownish gray, Sandy Clay Loam Till			3		
			4	2.3	49.3
			4	B	
	595.16				
Stiff, grayish brown, Silt with minor, Clay and layers of Silty Loam to Silty Clay		-35	wh		
			1	1.0	22.7
			4	P	
	593.66				
Stiff, brown, Silty Clay			2		
			3	1.6	27.0
			5	B	
		-40	1		

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 B-1 (Page 2 of 2)

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

SOIL BORING LOG

Page 2 of 2

Date 9/19/06

ROUTE FA-97 (IL71) DESCRIPTION IL 7, Creek and Cattle Crs LOGGED BY Larry Myers

SECTION 3-B LOCATION SE 1/4, SEC. 22, TWP. 35N, RNG. 05E

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

STRUCT. NO. 050-0062
Station 683+28

BORING NO. 1 S.E. Quad
Station 683.05
Offset 13.00ft Rt
Ground Surface Elev. 629.66 ft

Surface Water Elev. 619.79 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 581.7 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, brown, Silty Clay *(continued)*			2	1.2	26.7
			4	B	
	588.16				
Stiff, brownish gray, Silty Clay Loam to Clay Loam			wh		
			2	1.0	17.9
			3	B	
	585.16				
Very stiff, gray, Sandy Clay Loam Till		-45	wh		
			5	3.0	12.5
			8	P	
	582.66				
Medium gray, fine, Sand to fine, Gravel with layers of Sandy Loam ▽			4		
			7		15.5
			11		
	580.66				
Very stiff, black, Silty Clay with organics- (paleo soil/Peat/Old swamp backwater?)		-50	5		
			7	4.0	28.4
			16	P	
			4		
			6	2.2	34.4
			11	S	
		-55	4		
			7	2.3	30.9
			10	S	
	573.66				
Stiff, gray, Silt			8		
			12	2.0	19.6
			16	P	
		-60	5		
Stiff, gray, Silt *(continued)*			17	2.0	19.8
			19	P	
	568.16				
Very stiff, gray, Sandy Clay Loam Till with large, Limestone pieces			3		
			4	2.2	13.0
			6	S	
		-65	12		
			22	2.0	6.6
			51	P	
	562.66				
St Peter Sandstone with very dense, white, Sand at 67'-67.5' (Weathered Bedrock)	562.16		50		
			100/1"		21.5
				P	
End of Boring					
		-70			
		-75			
		-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)

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. 683+27.88
S.N. 050-2048