Illinois Department of Transportation
Division of Highways
District – Materials

SOIL BORING LOG

Page 1 of 1

Date 8/912

ROUTE IL 71 (FAP 311) DESCRIPTION IL 71 over Tributary to the Fox River, 1.40 miles South of US 52 LOGGED BY Larry Myers

SECTION (4)BR-1 LONGITUDE LATITUDE

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0065 (Exist.)
Station 590 + 92

BORING NO. 1 (S.E. Quad.)
Station 590 + 47
Offset 16.00ft Rt.
Ground Surface Elev. 620.51 ft

Surface Water Elev. 607.87 ft
Stream Bed Elev. 606.77 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion 586.6 ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augered HMA Shoulder, Brown Sand & Gravel Fill, Brown Silty Clay Loam Fill	618.01				
Very Stiff Brown Silty Clay Loam Till & Black Silty Clay Loam-Fill			3		
			3	3.5	23.7
			3	P	
		-5			
			3		
			3	4.0	11.9
	614.01		5	P	
Loose Brown Fine Fill Sand with Minor Clay Pieces					
			2		
			2		14.2
			2		
	610.51	-10			
Very Stiff Brown Clay with Minor Silt			2		
			2	3.0	26.0
			3	B	
	608.01				
Hard Brown Silty Loam Till			3		
			8	4.3	9.5
			10	S	
	605.51	-15			
Medium Brown Fine to Coarse Sand – Clean with Minor Fine to Medium Gravel			4		
			5		4.6
			7		
			4		
			5		12.9
			5		
	601.01				
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Brown Sandy Clay Loam Till (continued)			2		
			3	3.0	16.0
			11	P	
	598.51				
Hard Grey Silty Clay Loam Till					
			5		
			10	5.9	14.1
			15	S	
		-25			
			8		
			17	7.1	16.4
			26	S	
	593.51				
Very Dense Buff & Gray Silt & Fine Sand Layers with Minor Clay Layers					
			12		
			18		9.4
			31		
		-30			
			16		
			27		16.3
			39		
		-35			
			8		
			21		14.2
			27		
	584.01				
		-40			

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, form 137 (Rev. 11-11)

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ROUTE IL 71 (FAP 311) DESCRIPTION IL 71 over Tributary to the Fox River, 1.40 miles South of US 52 LOGGED BY Larry Myers

SECTION (4)BR-1 LONGITUDE LATITUDE

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0065 (Exist.)
Station 590 + 92

BORING NO. 2 (N.W. Quad.)
Station 591 + 46
Offset 16.00ft Lt.
Ground Surface Elev. 618.98 ft

Surface Water Elev. 607.87 ft
Stream Bed Elev. 607.79 ft

Groundwater Elev.:
First Encounter 593.0 ft
Upon Completion 589.0 ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augered HMA Shoulder, Brown Sand & Gravel Fill, Black Silty Clay Loam Fill	610.48				
Very Stiff Black Silty Clay Loam Fill with Layers of Gray & Brown Silty Clay Loam Till Fill			3		
			4	3.5	28.9
			5	P	
		-5			
			3		
			4	3.5	24.3
			5	P	
			3		
			2	3.0	24.6
			4	P	
		-10			
			3		
			5	2.5	18.3
			7	P	
	606.98				
Medium Brown Fine to Medium Sand – Clean			3		
			5		3.3
			7		
		-15			
			3		
			5		5.3
			6		
	601.48				
Hard Brown Silty Loam Till with Layers of Fine Sand & Silt			5		
			7	4.5	12.4
			10	P	
	598.98	-20			

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Hard Brown Silty Clay Loam Till with Fine Sand Layers			8		
			10	6.7	18.1
			11	S	
	596.98				
Medium Brown Fine Sand & Silt with Silty Clay Loam Till Layers					
			5		
			7		24.4
			10		
		-25			
			8		
			10		20.3
			12		
	591.98				
Very Dense Brown Fine Sand & Silt					
			27		
			31		17.5
			38		
		-30			
			18		
			27		21.0
			36		
		-35			
			21		
			29		17.6
			35		
	582.48				
		-40			

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, form 137 (Rev. 11-11)

Added 10-29-13

DESIGNED - RAY AHANCHI	EXAMINED	DATE - OCTOBER 1, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - AL-BARRAE R. SHEBIB	ACTING ENGINEER OF BRIDGE DESIGN		
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED	
CHECKED - G.R.A. / A.R.S.	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SOIL BORING LOGS
STRUCTURE NO. 050 – 2651
SHEET NO. 11 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(4)BR-1	LASALLE	38	28
		CONTRACT NO. 66B13		
		ILLINOIS FED. AID PROJECT		