



**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

**SOIL BORING LOG**

Page 1 of 2

Date 11/13/89

ROUTE FAI 57/70 DESCRIPTION Bridge Boring LOGGED BY

SECTION 25-4HVB-1 LOCATION Bridge-EBL & WBL at U.S. Rte. 45

COUNTY Effingham DRILLING METHOD HAMMER TYPE

STRUCT. NO. (EX) 025-0013 (EBL), (EX) 025-0014 (WBL)  
Station 2294+12.22  
BORING NO. 4A  
Station 2294+07  
Offset 56.5 ft RT  
Ground Surface Elev. 588.1 ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)
587.0				CONCRETE and I-11 PAVEMENT	587.6			
				Medium, very damp, CLAY		4.2	15	
					565.1			
	6	0.7	16	Hard, very moist, SANDY CLAY LOAM TILL		4.9	10	
					563.6			
				Hard, very moist CLAY TILL				
				----- Slightly organic with lignite -----		6.6	10	
	4	0.5	30					
				----- Organic with wood -----		7.4	10	
	6	0.6	19					
				Medium to stiff, damp, CLAY				
					557.6			
				Hard, very moist, SANDY CLAY LOAM TILL		5.0	10	
	8	1.0	23					
				Stiff, very moist to damp, SILTY CLAY LOAM (highly organic with wood)		5.4/S	11	20
	13	1.1	19					
				Soft, very damp, CLAY LOAM (organic with w/odor and wood)				
				Ver loose, wet SANDY LOAM to SANDY CLAY LOAM				
	5	0.3/S	19					
				Very soft, wet, SANDY CLAY with 1/2" thick SAND lenses				
	4	0.2	18					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOISTURE (%)
588.1				Very dense, very damp, fine grain, SAND (continued)	547.1			
				Very dense, mixture, SAND, ROCK, and CLAY		100/4"		9
					545.1			
				Hard, very moist, SANDY CLAY LOAM TILL with 2" thick SAND lenses		6.0	10	
				Hard, very moist, CLAY TILL				
						6.7	10	
				Very stiff, damp, CLAY TILL				
						2.6	16	
				Boring terminated at 50 ft.				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

FILE NAME = 025011-74295-079-Boring Logs.dgn  
BERNARDIN & LOCHMULLER & ASSOCIATES, INC.  
3 OAK DRIVE  
MARYVILLE, ILLINOIS 62962  
PHONE (618) 288-4665  
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USER NAME = bbovve  
Illinois Design Firm Number 184.001670  
PLOT SCALE =  
PLOT DATE = 3:27:52 PM 8/14/2013

DESIGNED -  
CHECKED -  
DRAWN - WJS  
CHECKED - CJF

REVISED  
REVISED  
REVISED  
REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS  
STRUCTURE NO. 025-0111 (WB) & 025-0112 (EB)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-4HVB-1)BY	EFFINGHAM	1760	614
CONTRACT NO. 74295			ILLINOIS FED. AID PROJECT	

SHEET NO. 79 OF 79 SHEETS