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

SOIL BORING LOG

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Date 11/03/89

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. 1A
Station 2295+20
Offset 0 ft
Ground Surface Elev. 621.8 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter 567.3 ft ▼
Upon Completion 561.3 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Medium, very moist, SILTY CLAY LOAM
	6	0.8 S	15	
618.8				
				Medium to stiff, damp, SILTY CLAY
617.3	8	1.0 E	19	
-5				Medium to stiff, damp, CLAY with 2" thick lenses of medium SILTY CLAY
	7	1.0 S	21	
613.8				
				Medium, damp, CLAY
612.8	8	0.8/S 0.5/S	21 22	
				Medium to soft, very damp, CLAY
-10				
610.8				
	7	0.7 S	21	Medium, very damp, CLAY
608.8				
	5	0.3 S	24	Soft, very damp, CLAY
-15				
606.3				
	10	1.3 S	15	Stiff, damp, CLAY
	12	1.2 S	23	
-20				
				Stiff, damp, CLAY *(continued)*
599.8	14	1.6 S	18	
				Stiff, very moist to damp, SILTY CLAY
596.3	13	1.1 S	14	
-25				Medium to stiff, damp to very damp, CLAY
	13	1.2 S	24	
	13	1.0 S	13	
-30				
	8	1.0 S	31	
588.8				
				Stiff, damp to very damp, CLAY
	12	1.4 S	18	
-35				
	10	1.3 S	19	
	13	1.2 S	23	
-40				

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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COUNTY Effingham DRILLING METHOD HAMMER TYPE

STRUCT. NO. (EX) 025-0013 (EBL), (EX) 025-0014 (WBL)
Station 2294+12.22

BORING NO. 1A
Station 2295+20
Offset 0 ft
Ground Surface Elev. 621.8 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter 567.3 ft ▼
Upon Completion 561.3 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Stiff, damp to very damp, CLAY *(continued)*
579.8	9	1.0 S	17	
				Medium to soft, very damp, CLAY
	7	0.5 S	21	
576.3				
-45				
				Medium, very damp, CLAY
				Slightly organic with wood
	9	0.7 S	17	
	10	1.0 S	19	
-50				
570.3				
	12	1.6 S	13	Stiff, damp, CLAY TILL with 1" thick SAND lenses
568.8				
				Medium, very damp, SANDY CLAY (slightly organic w/odor)
567.3 ▼	11	0.7 S	15	
				Hard, very moist, CLAY TILL
-55				
	45	6.4 S	13	
563.8				
				Hard (very dense), very moist, SANDY CLAY LOAM TILL
	60	4.6 S	10	
-60				
				Hard (very dense), very moist, SANDY CLAY LOAM TILL *(continued)*
558.3				
	111		9	
557.8				Very stiff, very moist, SANDY CLAY LOAM TILL
	120	3.6/S	10 13	
556.8				Very dense, very damp, cemented, medium grain, SAND
-65				Boring terminated at 65 ft.
-70				
-75				
-80				

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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. 2A
Station 2291+58
Offset 0 ft
Ground Surface Elev. 624.4 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter ____ ft
Upon Completion ____ ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
				Medium, very moist, SILTY CLAY LOAM (slightly organic with roots)
622.4	5	0.6 E	15	
				Stiff, damp, CLAY
	9	1.1 E	14	
-5				
617.4	8	1.5 S	16	
				Medium, very damp, CLAY
612.4	7	0.8 S	25	
-10				
	8	0.9 S	20	
	8	0.9 S	26	
-15				
	8	0.9 S	20	
606.4				
	6	0.6 S	22	
-20				
				Medium, very damp, CLAY *(continued)*
	7	0.8 S	19	
-25				
	7	0.6 S	22	
595.9				
				Stiff, damp, CLAY
	9	1.0 S	19	
-30				
	15	1.5 S	18	
	10	1.2 S	18	
-35				
587.4	12	1.2 S	16	
				Medium, very damp, SILTY CLAY
	7	0.9 S	25	
-40				

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)