

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

**SOIL BORING LOG** Page 1 of 2  
Date 04/30/07

ROUTE FAI 5770 DESCRIPTION West Fayette over I-5770 LOGGED BY E. Sandtschafer

SECTION (24-4.3)R LOCATION Sec 19 - S 12, Sec 30 - N 12, SEC. TWP. 8N, RNG. 6E

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0023  
Station 50+00

BORING NO. B-2  
Station 49+10  
Offset 41.00 ft Rt  
Ground Surface Elev. 581.23 ft

DEPTH (ft)	DESCRIPTION	DR	BL	UC	MS	SW. Elev.	ST. Bed Elev.	GW. Elev.	First Encounter	Upon Completion	After 192 Hrs.	DR	BL	UC	MS
0	Augered through asphalt shoulder.					NA	NA								
3	Stiff, damp, red marbled gray, SANDY CLAY	7	1.3		16										
11															
22	Hard, very moist, gray, LOAM TILL					506.73									
22	Gray, fine grained, SAND - 13% passing #200 sieve.		0.4		17										
28	Hard, damp, brown marbled gray, CLAY LOAM TILL	25			9										
32	Brown, fine grained, SAND - 6% passing #200 sieve.	28													
39	Hard, damp, brown marbled gray, CLAY LOAM TILL	15	8.4		8										
50															
48	Hard, very moist, brown and gray layered SANDY CLAY TILL	28		4.2	7										
50															
27	Hard, very moist, gray, CLAY LOAM TILL	32	8.4		8										
32		43													
16		26	8.2		8										
33															
29	Dark brown, SILTY LOAM					541.73									

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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SECTION (24-4.3)R LOCATION Sec 19 - S 12, Sec 30 - N 12, SEC. TWP. 8N, RNG. 6E

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0023  
Station 50+00

BORING NO. B-2  
Station 49+10  
Offset 41.00 ft Rt  
Ground Surface Elev. 581.23 ft

DEPTH (ft)	DESCRIPTION	DR	BL	UC	MS	SW. Elev.	ST. Bed Elev.	GW. Elev.	First Encounter	Upon Completion	After 192 Hrs.	DR	BL	UC	MS
12	Very stiff, damp, gray, SILTY CLAY TILL (continued)			3.5	15										
15															
4	Benchmark: EM 506 Chiseled square on east pier crash wall under West Fayette Ave structure (025-0023) on NB I-5770 Sta 2146+48, 66.5' Rt = elev. 583.44'. Provided by Program Development.														
7	B2 I-5770 Station = 2145+77, Lt 81'		2.6		16										
9	Boring terminated at 60.1 ft.														
13	Very stiff, damp, bluish-gray, SANDY LOAM TILL			2.3	25										
21															
44															
50	Very dense, moist, gray,					541.73									

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**SOIL BORING LOG** Page 1 of 2  
Date 05/25/07

ROUTE FAI 5770 DESCRIPTION West Fayette over I-5770 LOGGED BY E. Sandtschafer

SECTION (24-4.3)R LOCATION Sec 19 - S 12, Sec 30 - N 12, SEC. TWP. 8N, RNG. 6E

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0023  
Station 50+00

BORING NO. B-3  
Station 50+08  
Offset 42.00 ft Lt  
Ground Surface Elev. 577.29 ft

DEPTH (ft)	DESCRIPTION	DR	BL	UC	MS	SW. Elev.	ST. Bed Elev.	GW. Elev.	First Encounter	Upon Completion	After 168 Hrs.	DR	BL	UC	MS
17	Hard, very moist, gray, CLAY LOAM TILL (continued)				9										
18															
8	Soft, wet, brown, SANDY LOAM	4			14										
6			0.3												
4															
10	Gray, fine grained, SAND				8										
20	Hard, very moist, gray, CLAY LOAM TILL			6.5	8										
35															
15	Very stiff, very moist, gray, SANDY CLAY TILL			3.4	7										
36	Brown, very fine grained, SAND	506"													
1	Very stiff, very moist, gray, SANDY CLAY TILL			2.9	6										
44															
13	Hard, very moist, gray, CLAY LOAM TILL			6.6	7										
25															
43															
23															
45			4.8		6										
505"															
14															
25			5.1		8										
26															
9															

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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DESIGNED \_\_\_\_\_  
CHECKED \_\_\_\_\_  
DRAWN W.J.S.  
CHECKED C.J.F.



**BERNARDIN  
LOCHMUELLER &  
ASSOCIATES, INC.**

3 Oak Drive  
Maryville, IL 62442-5635  
Local (618) 388-4665  
Fax 618-288-4666

SHEET NO. 36  
38 SHEETS

F.A.I. RTE. 57/70	SECTION (25-3HB-2)B	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 365
SN 025-0106		CONTRACT NO. 74293		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

**BORING LOGS  
STRUCTURE NO. 025-0106**