STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 2 of 2

Date 05/25/07

ROUTE FAI 57/70 DESCRIPTION West Fayette over I-57/70 LOGGED BY E. Sandschafer

SECTION (24-4,3)R LOCATION S:c 19 – S 1/2, Sec 30 – N 1/2, 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

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 560.30 ft
Upon Completion ft
After 168 Hrs. 574.10 ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very dense, moist, brown marbled gray, CLAY SHALE		10 26	3.7 S	18
533.79				
Very dense, moist, dark brown, SILTY CLAY SHALE. Unable to drill to next interval, too hard.	533.04	44 50/2"		
Extent of exploration.	-45	50/1"		9
Benchmark: BM 506 Chiseled square on east pier crash wall under West Fayette Ave structure (025-0023) on NB I-57/EB I 70 Sta 2146+48, 66.5' Rt = elev. 583.44'. Provided by Program Development.				
B3 I-57/70 Station = 2146+74, Lt 1'				
Boring terminated at 44.25 ft.	-50			
	-55			
	-60			

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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Date 04/12/07

ROUTE FAI 57/70 DESCRIPTION West Fayette over I-57/70 LOGGED BY E. Sandschafer

SECTION (24-4,3)R LOCATION Sec 19 – S 1/2, Sec 30 – N 1/2, 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-4
Station 50+51
Offset 38.00 ft Rt
Ground Surface Elev. 581.57 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 569.60 ft
Upon Completion ft
After 24 Hrs. 574.80 ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Augered through asphalt shoulder.				
579.57				
No recovery this trip, rock stuck in sampler shoe.		4 20 24		
Medium to stiff, damp, red mottled gray, SANDY CLAY	-5	6 7 7		
574.57				
Very stiff, damp, brown, SANDY CLAY TILL		41 39 37		
Brown, SAND				
572.07				
Hard, very moist, brown and gray layered, CLAY LOAM TILL	-10	20 25 34		
569.57				
Hard, very moist, gray, SANDY LOAM TILL		17 34 50/4"		
566.67	-15	34 30 30		
Very stiff, very moist, gray, CLAY LOAM TILL				
		10 17 22		
	-20	8		
Very stiff, very moist, gray, CLAY LOAM TILL (continued)	-25	16 33		
		7 19 42		
		24 35 42		
		17 26 36		
	-30	14 25 30		
	-35	9 13 17		
	-40	7		

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

STRUCT. NO. 025-0023
Station 50+00

BORING NO. B-4
Station 50+51
Offset 38.00 ft Rt
Ground Surface Elev. 581.57 ft

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Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 569.60 ft
Upon Completion ft
After 24 Hrs. 574.80 ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very stiff, very moist, gray, CLAY LOAM TILL (continued)		9 12		
	-45	8 14 18		
	-50	6 13 18		
	-55			
524.57				
LIMESTONE				
521.97	-60	500"		
Extent of exploration.		500" 500"		
Benchmark: BM 506 Chiseled square on east pier crash wall under West Fayette Ave structure (025-0023) on NB I-57/EB I 70 Sta 2146+48, 66.5' Rt = elev. 583.44'. Provided by Program Development.				
B4 I-57/70 Station = 2146+77, Rt 59'	-65			
Boring terminated at 59.6 ft.	-70			
	-75			
	-80			

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)

DESIGNED	-
CHECKED	-
DRAWN	W.J.S.
CHECKED	C.J.F.

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BERNARDIN LOCHMUELLER & ASSOCIATES, INC.
3 Oak Drive
Maryville, IL 62062-5635
Local-(618) 288-4665
Fax 618-288-4666

BORING LOGS
STRUCTURE NO. 025-0106

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	57/70	(25-3HB-2)B	EFFINGHAM	839	366
38 SHEETS		SN 025-0106	CONTRACT NO. 74293		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		