

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2
Date 03/27/07

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

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-1
Station 48+44
Offset 25.00 ft Lt
Ground Surface Elev. 600.74 ft

SOIL DESCRIPTION	DEPTH (ft)	DR	BU	UC	MO	SW	TS	QU	TS	QU	TS	QU
ASPHALT Shoulder	0-0.5											
Stiff, damp, red, CLAY TILL	0.5-3											
	3-4											
	4-6											
	6-8											
	8-10											
	10-12											
	12-14											
	14-15											
	15-17											
	17-18											
	18-19											
	19-21											
	21-25											
	25-30											
	30-32											
	32-33											
	33-35											
	35-36											
	36-38											
	38-40											

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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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-1
Station 48+44
Offset 25.00 ft Lt
Ground Surface Elev. 600.74 ft

SOIL DESCRIPTION	DEPTH (ft)	DR	BU	UC	MO	SW	TS	QU	TS	QU	TS	QU
Hard, very moist, gray SANDY CLAY TILL (continued)	0-5											
	5-8											
	8-10											
	10-12											
	12-15											
	15-17											
	17-19											
	19-25											
	25-30											
	30-32											
	32-35											
	35-38											
	38-40											
	40-42											
	42-44											
	44-46											
	46-48											
	48-50											
	50-52											
	52-54											
	54-56											
	56-58											
	58-60											
	60-62											
	62-64											
	64-66											
	66-68											
	68-70											
	70-72											
	72-74											
	74-76											
	76-78											
	78-80											
	80-82											
	82-84											
	84-86											
	86-88											
	88-90											
	90-92											
	92-94											
	94-96											
	96-98											
	98-100											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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ROCK CORE LOG

Page 1 of 1
Date 03/27/07

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

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

COUNTY Effingham CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 025-0023
Station 50+00

BORING NO. B-1
Station 48+44
Offset 25.00 ft Lt
Ground Surface Elev. 600.74 ft

ROCK DESCRIPTION	DEPTH (ft)	DR	BU	UC	MO	SW	TS	QU	TS	QU	TS	QU
Gray, moderately weathered, CLAY SHALE	0-12											
	12-17											
	17-19											
	19-25											
	25-30											
	30-32											
	32-35											
	35-38											
	38-40											
	40-42											
	42-44											
	44-46											
	46-48											
	48-50											
	50-52											
	52-54											
	54-56											
	56-58											
	58-60											
	60-62											
	62-64											
	64-66											
	66-68											
	68-70											
	70-72											
	72-74											
	74-76											
	76-78											
	78-80											
	80-82											
	82-84											
	84-86											
	86-88											
	88-90											
	90-92											
	92-94											
	94-96											
	96-98											
	98-100											

Extent of exploration.
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.
Boring terminated at 80.3 ft.

Color pictures of the cores Available upon request
Cores will be stored for examination until 03/27/08
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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

BORING LOGS
STRUCTURE NO. 025-0106



**BERNARDIN
LOCHMUELLER &
ASSOCIATES, INC.**

3 Oak Drive
Maryville, IL 62052-5635
Local (618) 288-4665
Fax 618-288-4666

SHEET NO. 35	F.A.I. RTE. 57/70	SECTION (25-3HB-2)B	COUNTY EFFINGHAM	TOTAL SHEETS 839	SHEET NO. 364
38 SHEETS	SN 025-0106		CONTRACT NO. 74293		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					