

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCK CORE LOG Page 4 of 4 Date 9/20/07

ROUTE FAI 70 (I-70) DESCRIPTION Little Wabash River LOGGED BY E. Sanduschafer

SECTION 25-3 LOCATION NW 14, SEC. 1, TWP. 7 N, RNG. 5 E, 3 PM

COUNTY Effingham CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. 025-00990010 CORING BARREL TYPE & SIZE NW, conv dhl bbl, split inner

Station 2003+70 Core Diameter 2.06 in

BORING NO. 1 W Abut. Top of Rock Elev. 424.85 ft

Station 2001+92 Begin Core Elev. 420.75 ft

Offset 2.00 ft

Ground Surface Elev. 525.75 ft

DEPTH (ft)	DESCRIPTION	(R)	(%)	(%)	(min/ft)	(tsf)
430.75	Gray, SANDSTONE.	87	80	0.5		
Rock Core BIC1 at depth 107.06' to 107.60' = 255.7 tsf Qu.						
415.75	Gray, slightly weathered, SANDY CLAY SHALE.	95	25	0.4		
414.85	Gray, moderately weathered, SANDSTONE.					
413.05	(CLAY SHALE seam.					
412.95	Gray, severely weathered, SANDSTONE.					
411.02	Rock Core BIC2 at depth 114.2' to 114.7' = 146.6 tsf Qu.					
410.75	No recovery.					
410.75	Extent of exploration.					
409.49	Very soft, very damp, brown, SANDY LOAM.					
406.99	Soft, damp, gray, SILTY LOAM.					
405.99	Loose, wet, gray, fine grained, SAND.					
400	7% passing #200 sieve.					

Benchmark: BM 551 Chiseled Square on top of slope wall on East side of Little Wabash River, Station 2005+75 L4 25.7' = 621.58' elevation. Provided by Program Development.

Color pictures of the cores Available on request

Cores will be stored for examination until 09/20/08

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

SOIL BORING LOG Page 1 of 4 Date 9/24/07

ROUTE FAI 70 (I-70) DESCRIPTION Little Wabash River LOGGED BY E. Sanduschafer

SECTION 25-3 LOCATION NW 14, SEC. 1, TWP. 7 N, RNG. 5 E, 3 PM

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

STRUCT. NO. 025-00990010 Station 2003+70

BORING NO. 2 Station 2002+50

Offset 72.00 ft

Ground Surface Elev. 511.49 ft

DEPTH (ft)	DESCRIPTION	(R)	(6")	(tsf)	(%)	(ft)	(6")	(tsf)	(%)
9	Very stiff, very moist, brown, SANDY LOAM.								
5									
4									
4	Stiff, damp, gray, CLAY TILL.		2.2	10					
5			PP						
505.99									
1	Soft to medium, damp, brown, SILTY LOAM.		0.8	22					
3			B						
2									
2			0.5	25					
2			B						
1	Very soft, very damp, brown, SANDY LOAM.		0.0	21					
0			B						
406.99									
0	Soft, damp, gray, SILTY LOAM.		0.3	32					
8	Loose, wet, gray, fine grained, SAND.		B						
0									
1				13					
4	7% passing #200 sieve.								
4									

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

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING LOG Page 2 of 4 Date 9/24/07

ROUTE FAI 70 (I-70) DESCRIPTION Little Wabash River LOGGED BY E. Sanduschafer

SECTION 25-3 LOCATION NW 14, SEC. 1, TWP. 7 N, RNG. 5 E, 3 PM

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

STRUCT. NO. 025-00990010 Station 2003+70

BORING NO. 2 Station 2002+50

Offset 72.00 ft

Ground Surface Elev. 511.49 ft

DEPTH (ft)	DESCRIPTION	(R)	(6")	(tsf)	(%)	(ft)	(6")	(tsf)	(%)
3	Stiff, damp, gray, CLAY TILL. (continued)		1.0	21					
4			B						
41.99									
1	Very soft, very damp, gray, SILTY LOAM. (continued)		0.2	26					
3			B						
441.99									
1	Very stiff, damp, brown, CLAY.								
6			2.1	16					
8			B						
440.99									
12	Stiff, damp, brown, SILTY LOAM. With organics.								
12			B						
451.99									
0									

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

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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

BORING LOGS
S.N. 025-0107 & 025-0108



**BERNARDIN
LOCHMUELLER &
ASSOCIATES, INC.**

3 Oak Drive
Maryville, IL 62962-5635
Local (618) 288-4665
Fax 618-398-4666

SHEET NO. 52	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	70	(25-3)B	EFFINGHAM	1416	84
58 SHEETS	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					