

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG** Page 1 of 4  
Date 9/20/07

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

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. 025-00090010 D B U M E L C O P O S I T W S S H S Qu T  
Station 2003+70 Surface Water Elev. 499.46 ft Stream Bed Elev. 496.46 ft  
BORING NO. 1 W Abut Groundwater Elev.: First Encounter 498.8 ft  
Station 2001+32 Upon Completion Washed ft  
Offset 9.00ft LL After 24 Hrs. 501.3 ft  
Ground Surface Elev. 525.75 ft

Depth (ft)	(ft)	(6")	(12")	(%)	Description	(ft)	(6")	(12")	(%)
0					Topsoil				
0					Hard to medium, damp, brown, CLAY LOAM TILL.				
12					Soft, very damp, gray, SILTY LOAM. (continued)				
16	+4.5	8			Soft, very damp, gray, SANDY LOAM.				
20	PP								
3									
4	0.8	15			Very loose, wet, brown, GRAVELLY SAND. 5% passing #200 sieve.				
5	B								
6	1.0	14			Medium to stiff, damp, gray, LOAM				
7	B				Gravel w/some Sand. 2% passing #200 sieve.				
2									
3	1.0	16			12% passing #200 sieve.				
5	B								
4	1.9	15							
7	B								
3									
7	2.1	15			Medium, fine grained, 8% passing #200 sieve.				
7	B								
2					Gray, fine grained, SAND.				
2	0.4	24			Soft, very damp, gray, SANDY LOAM				
2	B								
2									

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, from 137 (Rev. 8-99)

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0					Very stiff, damp, gray, CLAY LOAM TILL.				
8	3.9	12			Shiff, damp, gray, CLAY TILL. (continued)				
13	B								
3									
5	1.5	13							
8	B								
2					Shiff, damp, gray, CLAY TILL.				
3	1.2	19							
5	B								
4									
7	2.4	21							
9	B								
1									

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0					Medium, damp, dark gray, SILTY CLAY. (continued)				
3	0.7	24			Shiff, damp, gray, SILTY CLAY. (continued)				
5	B				Very dense, moist, gray, SANDSTONE.				
424.55									
420.75					Borehole continued with rock coring.				
596"									
501"									
501"									
0					Medium to stiff, damp, gray, LOAM.				
4	1.0	22							
4	B								
425.25					Stiff, damp, gray, SILTY CLAY.				
2									

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

**BERNARDIN LOCHMUELLER & ASSOCIATES, INC.**  
3 Oak Drive  
Maryville, IL 62462-5635  
Local (618) 298-4655  
Fax 618-298-4666

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

SHEET NO. 51	F.A.I. RTE. 70	SECTION (25-3)B	COUNTY EFFINGHAM	TOTAL SHEETS 1416	SHEET NO. 83
58 SHEETS	SN 025-0107 & 025-0108		CONTRACT NO. 74296		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 70					