


### Boring #1 (2002)


**Illinois Department of Transportation**  
 Division of Highways  
 State Department of Transportation - District 7

### SOIL BORING LOG

Page 1 of 3  
Date 6/18/02

ROUTE FAP 774 (IL 33) DESCRIPTION Little Wabash River Overflow LOGGED BY E. Sandschafer  
 SECTION 107WRS-1 LOCATION NW 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM  
 COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	U.C.S. (psi)	U.C.S. Failure Mode	SOIL DESCRIPTION	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev. First Encounter	Groundwater Elev. Upon Completion
025-0077	1018+84.5				Brown, CLAY w/ sand and few pebbles.	523.20	521.80	514.5	516.5
		2			Very stiff, damp, brown, CLAY w/ sand and few pebbles.				
		5	2.6	15					
		8	B						
		11			Very soft, very damp, brown w/ gray layers, SANDY LOAM.				
		14	0.2	20					
		17	PP						
		20							
		23			Very soft, wet, gray, SILTY LOAM.				
		26	0.1	26					
		29	B						
		32			Very loose, very wet, dark gray, fine, SAND, 28% passing #200 sieve.				
		35							
		38			33% passing #200 sieve.				
		41							
		44			Very dense, very moist, gray, SANDSTONE.				
		47			Borehole continued with rock casing.				

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. 8-89)


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### ROCK CORE LOG

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 SECTION 107WRS-1 LOCATION NW 1/4, SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM  
 COUNTY Effingham CORING METHOD Rotary, Surface set diamond bit

STRUCT. NO.	STATION	DEPTH (ft)	RECORDED	CORE	STRENGTH	DESCRIPTION
025-0077	1018+84.5					Gray w/ thin black layers, SANDSTONE.
		507.55				Weathered, gray, SANDY CLAY SHALE.
		502.95				Gray, SANDSTONE.
		500.85				Gray w/ thin black layers, SANDY CLAY SHALE.
		495.75				Gray, SANDSTONE.
		495.25				Gray w/ thin black layers, SANDY CLAY SHALE.
		491.05				Gray w/ thin black layers, SANDSTONE.
		490.45				Gray w/ thin black layers, SANDY CLAY SHALE.

Color pictures of the cores \_\_\_\_\_  
 Cores will be stored for examination until \_\_\_\_\_  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)


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STRUCT. NO.	STATION	DEPTH (ft)	RECORDED	CORE	STRENGTH	DESCRIPTION
025-0077	1018+84.5					Gray w/ thin black layers, SANDY CLAY SHALE (continued)
		484.55				Extent of exploration.
		480.00				Benchmark = 543.75' Chiseled square, East abut. SW wingwall of structure number 025-0077
		475.00				Provided by Program Development, design survey.

Color pictures of the cores \_\_\_\_\_  
 Cores will be stored for examination until \_\_\_\_\_  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

SHEET TITLE		BORING LOGS	
PROJECT	IL RTE. 32/33 OVER LITTLE WABASH RIVER OVERFLOW F.A.P. RTE. 774 SECTION 107BY-1 EFFINGHAM COUNTY STATION 1018+86.92 STRUCTURE NO. 025-0077	PROJECT NO.	02017
SCALE		DATE	
DRAWN BY	CFC	CHECKED BY	KPS/CME/MCB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		DRAWING NO.	25
		OF 26	SHTS