

**Illinois Department of Transportation**  
Division of Highways  
SOIL BORING LOG

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Date 8/17/02

ROUTE FAP 774 (IL 33) DESCRIPTION Little Wabash River LOGGED BY E. Sandschafer

SECTION 107WRS-1 LOCATION NE 1/4, SEC. 13, TWP. 8 N, RNG. 5 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Automatic

STRUCT. NO.	STATION	DEPTH (ft)	DIAMETER (in)	DESCRIPTION	WATER	TEMPERATURE (F)	REMARKS
025-0078	1011+47.58			Surface Water Elev. 531.99 ft			
				Stream Bed Elev. ft			
				Groundwater Elev.: First Encounter 512.7 ft			
				Upon Completion Washed samples ft			
				After N/A Hrs.			
				Ground Surface Elev. 527.70 ft			
				Brown, SANDY CLAY w/ few roots.			15% passing #200 sieve.
				Very stiff, very moist, brown, SANDY LOAM w/ few roots and pebbles.			
				Stiff, damp, gray w/ red layers, CLAY w/ some wood chunks.			
				Soft, very damp, brown marbled gray, LOAM. Sample swabbed.			
				Very soft, very damp, gray, SILT w/ few roots and organics. Sample swabbed.			
				Brown, fine, SAND, 18% passing #200 sieve.			
				Very soft, very damp, gray, SILT w/ few roots and organics. Sample swabbed.			
				Loose, wet, brown w/ gray layers, fine, SAND, 17% passing #200 sieve.			
				Very loose, wet, gray, fine, SAND, 27% passing #200 sieve.			

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) BSS, from 137 (Rev. 8-99)

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ROCK CORE LOG

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SECTION 107WRS-1 LOCATION NE 1/4, SEC. 13, TWP. 8 N, RNG. 5 E, 3 PM

COUNTY Effingham CORING METHOD Rotary, diamond surf set bit

STRUCT. NO.	STATION	DEPTH (ft)	DIAMETER (in)	DESCRIPTION	RECOVERED (%)	CORE LENGTH (ft)	STRENGTH (tsf)
025-0078	1011+47.58			Core Diameter 2.06 in			
				Top of Rock Elev. 502.80 ft			
				Begin Core Elev. 502.80 ft			
				Ground Surface Elev. 527.70 ft			
				Slightly weathered, gray w/ thin black layers, soapy, SANDY CLAY SHALE.	88	20	
				Gray, SANDSTONE.	100	95	
				Gray w/ thin black layers, soapy, SANDY CLAY SHALE.	100	87	
				Gray, SANDSTONE.	100	86	
				Gray, 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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				Begin Core Elev. 502.80 ft			
				Ground Surface Elev. 527.70 ft			
				Slightly weathered, gray, soapy, SANDY CLAY SHALE.	100	63	
				Extent of exploration.		477.80	
				Benchmark = 543.64' Chiseled square, West abut, NW wingwall of structure number 025-0078			
				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 F.A.P. RTE. 774 SECTION 107BY EFFINGHAM COUNTY STATION 1011+50.17 STRUCTURE NO. 025-0078	PROJECT NO.	02017
DRAWN BY	CFC	CHECKED BY	GJB/MCB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		DRAWING NO.	27
		OF 29 SHTS	

8/22/2003  
New/insign