

Boring #1 (2002)



Illinois Department of Transportation
Division of Highways
Illinois 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)	SOIL TYPE	MOISTURE (%)	UNIFORMITY (%)	REMARKS
025-0077	1018+84.5					Surface Water Elev. 523.20 ft Stream Bed Elev. 521.90 ft
1 of 1 (Pier #1)	1018+95					Groundwater Elev.: 514.5 ft First Encounter Upon Completion 516.5 ft After Hrs. N/A ft
		38.00 ft				Ground Surface Elev. 526.45 ft
		0				Brown, CLAY w/ sand and few pebbles.
		2	B	2.6	15	Very stiff, damp, brown, CLAY w/ sand and few pebbles.
		4	B	0.2	20	Very soft, very damp, brown w/ gray layers, SANDY LOAM.
		6	PP			
		8	PP			
		10				Very soft, wet, gray, SILTY LOAM.
		12	B			
		14				Very loose, very wet, dark gray, fine, SAND. 20% passing #200 sieve.
		16				33% passing #200 sieve.
		18				Very dense, very moist, gray, SANDSTONE.
		20				Borehole continued with rock coring.

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. 8-95)



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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)	ROCK TYPE	REMARKS
025-0077	1018+84.5			Core Diameter 2.06 in Top of Rock Elev. 509.55 ft Begin Core Elev. 509.55 ft
1 of 1 (Pier #1)	1018+95			Core Diameter 2.06 in Top of Rock Elev. 509.55 ft Begin Core Elev. 509.55 ft
		38.00 ft		Ground Surface Elev. 526.45 ft
		0		Gray w/ thin black layers, SANDSTONE.
		2		Weathered, gray, SANDY CLAY SHALE.
		4		
		6		Gray, SANDSTONE.
		8		Gray w/ thin black layers, SANDY CLAY SHALE.
		10		
		12		Gray, SANDSTONE.
		14		Gray w/ thin black layers, SANDY CLAY SHALE.
		16		
		18		Gray w/ thin black layers, SANDSTONE.
		20		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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1 of 1 (Pier #1)	1018+95			Core Diameter 2.06 in Top of Rock Elev. 509.55 ft Begin Core Elev. 509.55 ft
		38.00 ft		Ground Surface Elev. 526.45 ft
		0		Gray w/ thin black layers, SANDY CLAY SHALE. (continued)
		2		
		4		
		6		Extent of exploration.
		8		
		10		Benchmark = 543.75' Chiseled square, East abut, SW wingwall of structure number 025-0077
		12		Provided by Program Development, design survey.
		14		
		16		
		18		
		20		

Color pictures of the cores _____
Cores will be stored for examination until _____
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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/MB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		DRAWING NO.	25
		OF 26 SHTS.	