

### Boring #1 (2002)



### SOIL BORING LOG

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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 & soil spoon HAMMER TYPE Automatic

STRUCT. NO. 025-0077 Station 1018+84.5

BORING NO. 1 of 1 (Pier #1) Station 1018+95 Offset 39.00 ft Ground Surface Elev. 526.45 ft

DEPTH (ft)	DEPTH (m)	SOIL DESCRIPTION	WATER	REMARKS
0	0	Surface Water Elev. 523.20 ft		
0	0	Stream Bed Elev. 521.90 ft		
0	0	Groundwater Elev. 514.5 ft		
0	0	First Encounter Upon Completion 516.5 ft		
0	0	After Hrs. N/A		
0	0	Brown, CLAY w/ sand and few pebbles.		
2	0.6	Very stiff, damp, brown, CLAY w/ sand and few pebbles.		
4	1.2	Very soft, very damp, brown w/ gray layers, SANDY LOAM.		
6	1.8	Very soft, wet, gray, SILTY LOAM.		
8	2.4	Very loose, very wet, dark gray, fine, SAND. 25% passing #200 sieve.		
10	3.0	33% passing #200 sieve.		
12	3.6	Very dense, very moist, gray, SANDSTONE.		
13	3.9	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. 8-99)



### 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. 025-0077 Station 1018+84.5

BORING NO. 1 of 1 (Pier #1) Station 1018+95 Offset 39.00 ft Ground Surface Elev. 526.45 ft

CORING BARREL TYPE & SIZE NW, conv dbl bbl, soft inner

Core Diameter 2.05 in  
Top of Rock Elev. 509.55 ft  
Begin Core Elev. 509.55 ft

DEPTH (ft)	DEPTH (m)	ROCK DESCRIPTION	RECORDED	CORE	STRENGTH
0	0	Gray w/ thin black layers, SANDSTONE.	100	47	
20	6.1	Weathered, gray, SANDY CLAY SHALE.			
40	12.2	Gray, SANDSTONE.	100	64	
60	18.3	Gray w/ thin black layers, SANDY CLAY SHALE.			
80	24.4	Gray, SANDSTONE.	100	86	
100	30.5	Gray w/ thin black layers, SANDY CLAY SHALE.			
120	36.6	Gray, SANDSTONE.	100	44	
140	42.7	Gray w/ thin black layers, SANDSTONE.			
160	48.8	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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BORING NO. 1 of 1 (Pier #1) Station 1018+95 Offset 39.00 ft Ground Surface Elev. 526.45 ft

CORING BARREL TYPE & SIZE NW, conv dbl bbl, soft inner

Core Diameter 2.05 in  
Top of Rock Elev. 509.55 ft  
Begin Core Elev. 509.55 ft

DEPTH (ft)	DEPTH (m)	ROCK DESCRIPTION	RECORDED	CORE	STRENGTH
180	54.9	Gray w/ thin black layers, SANDY CLAY SHALE. (continued)	100	60	
200	61.0	Extent of exploration.			
245	74.4	Benchmark = 543.75' Chiseled square, East abut, SW wingwall of structure number 025-0077			
250	76.2	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
DRAWING NO.		KPS/CME/MCB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		25 OF 26 SHEETS