

Illinois Department of Transportation
Division of Highways
District 7

SOIL BORING LOG

Page 1 of 3
Date 6/17/02

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

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. 025-0078
Station 1011+47.58

BORING NO. 1 of 2 (Pier #1)
Station 1010+51
Offset 39.00ft LL
Ground Surface Elev. 527.70 ft

DEPTH (ft)	(#)	(%)	(tsf)	(%)
Surface Water Elev.	531.99	ft		
Stream Bed Elev.		ft		
Groundwater Elev.: First Encounter	512.7	ft		
Upon Completion After N/A Hrs.	Washed samples	ft	(ft)	(#) (tsf) (%)
Brown, SANDY CLAY w/ few roots. 75% passing #200 sieve. 1 1 20				
Very stiff, very moist, brown, SANDY LOAM w/ few roots and pebbles. 526.70 8 3.0 12 6 16				
Stiff, damp, gray w/ red layers, CLAY w/ some wood chunks. 523.20 4 1.2 20 5 7				
Soft, very damp, brown marbled gray, LOAM. Sample swelled. 519.80 2 0.3 25 2 B				
Very soft, very damp, gray, SILT w/ few roots and organics. Sample swelled. 516.20 1 0.1 28 1 B				
Brown, fine, SAND, 10% passing #200 sieve. 514.70 2 0.1 29 1 B				
Loose, wet, brown w/ gray layers, fine, SAND, 17% passing #200 sieve. 513.20 2 4 20 4				
Very loose, wet, gray, fine, SAND, 21% passing #200 sieve. 510.70 1 17 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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ROCK CORE LOG

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

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. 025-0078 CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner
Station 1011+47.58

BORING NO. 1 of 2 (Pier #1)
Station 1010+51
Offset 39.00ft LL
Ground Surface Elev. 527.70 ft

DEPTH (ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Slightly weathered, gray w/ thin black layers, soapy, SANDY CLAY SHALE. 88 20					
Extent of exploration. 477.80 -50					
Benchmark = 543.64' Chiseled square, West abut, NW wingwall of structure number 025-0078 Provided by Program Development, design survey. -55					
Gray, SANDSTONE. 487.80 -40 100 86					
Gray w/ thin black layers, soapy, SANDY CLAY SHALE. 486.80 -35					
Gray, CLAY SHALE. 484.80 -30					

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 2 (Pier #1)
Station 1010+51
Offset 39.00ft LL
Ground Surface Elev. 527.70 ft

DEPTH (ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Slightly weathered, gray, soapy, SANDY CLAY SHALE. 100 63					
Extent of exploration. 477.80 -50					
Benchmark = 543.64' Chiseled square, West abut, NW wingwall of structure number 025-0078 Provided by Program Development, design survey. -55					

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)

K. P. G. / SJS

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 SCALE DATE DRAWN BY CFC CHECKED BY GJB/MCB DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	27 OF 29 SHTS