

Illinois Department of Transportation
Division of Highways
Soils Department of Transportation - 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. Sandschauer

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. 2 of 2 (Pier #2)
Station 1012+32
Offset 36.00ft Rt
Ground Surface Elev. 528.15 ft

DEPTH (ft)	BLU (lb)	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLU (lb)	UCS (tsf)	MOISTURE (%)
0				Surface Water Elev. 531.99 ft	0			
				Stream Bed Elev. _____ ft				
				Groundwater Elev.: _____ ft				
				First Encounter _____ ft				
				Upon Completion _____ ft				
				After N/A Hrs. _____ ft				
0				43% passing #200 sieve. 507.69	0	0.8	29	
				Medium, damp, gray, SILT w/ some black specks.				
				508.15				
				Very soft, very damp, gray, SANDY LOAM.				
525.15	7	2.4	15		0	0.1	23	
				Very stiff, damp, brown, SANDY CLAY w/ few organics.				
523.85								
				Soft to medium, damp, brown, SANDY LOAM w/ few black specks.				
522.45	2	0.5	22		12	21	10	
				Hard, moist, gray, SANDY CLAY SHALE.				
521.15	1				507.3	507.3	5	
				Very dense, moist, gray, SANDY CLAY SHALE.				
520.15	1	0.3	25		507.3	507.3		
				Borehole continued with rock coring.				
				Loose, very damp to wet, brown, fine, SAND w/ some sandy loam layering. 23% passing #200 sieve.				
				32% passing #200 sieve.				
				23% passing #200 sieve.				
				Very loose, wet, gray, medium to fine grained, SAND. 14% passing #200 sieve.				
				43% passing #200 sieve.				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penonrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM T206)

EBS, 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. Sandschauer

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
Station 1011+47.58

BORING NO. 2 of 2 (Pier #2)
Station 1012+32
Offset 36.00ft Rt
Ground Surface Elev. 528.15 ft

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

Core Diameter 2.06 in
Top of Rock Elev. 501.35 ft
Begin Core Elev. 501.35 ft

DEPTH (ft)	RECOVERY (%)	CORE LENGTH (ft)	STRENGTH (tsf)	DESCRIPTION
48	42			Slightly weathered, gray w/ thin black layers, SANDY CLAY SHALE
100	100			
480.65	93			Gray marbled white, SANDSTONE.
488.15				Slightly weathered, gray, scapy, CLAY SHALE.
62	65			

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. 2 of 2 (Pier #2)
Station 1012+32
Offset 36.00ft Rt
Ground Surface Elev. 528.15 ft

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

Core Diameter 2.06 in
Top of Rock Elev. 501.35 ft
Begin Core Elev. 501.35 ft

DEPTH (ft)	RECOVERY (%)	CORE LENGTH (ft)	STRENGTH (tsf)	DESCRIPTION
100	60			Slightly weathered, gray, scapy, CLAY SHALE. (continued)
476.35				Extent of exploration.
				Benchmark = 543.84' 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	PROJECT NO.	02017
SCALE	F.A.P. RTE. 774 SECTION 107BY	DATE	
	EFFINGHAM COUNTY	DRAWN BY	CFC
	STATION 1011+50.17	CHECKED BY	GJB/MCB
	STRUCTURE NO. 025-0078	DRAWING NO.	28
COOMBE-BLOXDORF P.C.		OF 29 SHTS	
Engineers / Land Surveyors			
Springfield, Illinois			
Design Firm License No. 184-002703			

10/25/003
-borlogsup