ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 774	107BY	EFFINGHAM	273	253
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 27

29 SHEETS

CONTRACT No. 94827

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation - District 7

SOIL BORING LOG

Date 6/17/02

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. 025-0078
Station 1011+47.58

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

Surface Water Elev. 531.99 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 512.7 ft
Upon Completion Washed ft
After N/A hrs. samples ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown, SANDY CLAY w/ few roots.			
525.70			
Very stiff, very moist, brown, SANDY LOAM w/ few roots and pebbles.	8 9 8	3.0 PP	12
523.20			
Stiff, damp, gray w/ red layers, CLAY w/ some wood chunks.	4 4 5	1.2 B	20
519.99	2		
Soft, very damp, brown marbled grey, LOAM. Sample swelled.	2 2	0.3 B	28
518.20			
Very soft, very damp, gray, SILT w/ few roots and orgainics. Sample swelled.	1 1 1	0.1 B	28
515.20	2		
Brown, fine, SAND. *78% passing #200 sieve.* 514.70	2 1	0.1 B	29
Very soft, very damp, gray, SILT w/ few roots and orgainics. Sample swelled. 513.20	2		
Loose, wet, brown w/ gray layers, fine, SAND. *17% passing #200 sieve.*	4 4		20
510.70			
Very loose, wet, gray, fine, SAND. *21% passing #200 sieve.*	1 1 2		17
508.20			
15% passing #200 sieve. 505.20	1 1 2		20
	3		
Medium, wet, gray, medium grained, SAND. *9% passing #200 sieve.* 503.70	7 12		16
Very dense, moist, gray, SANDY CLAY SHALE. 502.80	50/3" 50/1"		?
Borehole continued with rock coring.	50/0.5"		

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation - District 7

ROCK CORE LOG

Date 6/17/02

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 CORING METHOD Rotary, diamond surf set bit

STRUCT. NO. 025-0078
Station 1011+47.58

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

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

Core Diameter 2.06 in
Top of Rock Elev. 502.80 ft
Begin Core Elev. 502.80 ft

DEPTH (ft)	CORE (ft)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Slightly weathered, gray w/ thin black layers, soapy, SANDY CLAY SHALE.	-30	86	20		
	-35	100	95		
487.80	-40	100	87		
Gray, SANDSTONE. 486.80	-45	100	86		
Gray w/ thin black layers, soapy, SANDY CLAY SHALE. 484.80					
Gray, CLAY SHALE. 482.80					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column reoresents the unlaxial compressive strength of the core sample (ASTM D-2938)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation - District 7

ROCK CORE LOG

Date 6/17/02

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 CORING METHOD Rotary, diamond surf set bit

STRUCT. NO. 025-0078
Station 1011+47.58

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

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

Core Diameter 2.06 in
Top of Rock Elev. 502.80 ft
Begin Core Elev. 502.80 ft

DEPTH (ft)	CORE (ft)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Slightly weathered, gray, soapy, SANDY CLAY SHALE.	-50	100	63		
477.83					
Extent of exploration.	-55				
Benchmark = 543.64' Chiseled square, West abut, NW wingwall of structure number 025-0078					
Provided by Program Development, design survey.	-60				

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column reoresents the unlaxial 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
SCALE
DATE
DRAWN BY CFC
CHECKED BY GJB/MCB
DRAWING NO. 27
OF 29 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

12/27/2002 3:00:00 pm