ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 774	107BY	EFFINGHAM	344	320
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 28

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

Surface Water Elev. 531.99 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encountter 516.2 ft
Upon Completion Washed ft
After N/A Hrs. samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown, SANDY LOAM.			5		
	525.15		7 / 8	2.4 / B	15
Very stiff, damp, brown, SANDY CLAY w/ few organics.					
	523.65	-5	2		
Soft to medium, damp, brown, SANDY LOAM w/ few black specks.			2 / 1	0.5 / B	22
	521.15		1		
Soft, very damp, brown, SANDY LOAM.			1 / 1	0.3 / B	26
	520.15				
Loose, very damp to wet, brown, fine, SAND w/ some sandy loam layering. *23% passing #200 sieve.*		-10	3		
32% passing #200 sieve.			3 / 3		20
23% passing #200 sieve.			2 / 3 / 4		22
	513.65	-15	0		
Very loose, wet, gray, medium to fine grained, SAND. *14% passing #200 sieve.*			0 / 1		19
43% passing #200 sieve.			1 / 1 / 1		25
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
45% passing #200 sieve	507.65		1 / 1 / 4	0.5 / B	29
Medium, damp, gray, SILT w/ some black specks.	505.15				
Very soft, very damp, gray, SANDY LOAM.			0 / 0	0.1 / B	23
		-25	12		
	502.45		21 / 23	+4.5 / PP	10
Hard, moist, gray, SANDY CLAY SHALE.	501.65		50/3"		
Very dense, moist, gray, SANDY CLAY SHALE.	501.35		50/3" / 50/3"		5
Borehole continued with rock coring.		-30			
		-35			
		-40			

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

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

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

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Slightly weathered, gray w/ thin black layers, SANDY CLAY SHALE.				48	42		
		-30					
				100	100		
		-35					
				100	93		
Gray marbled whited, SANDSTONE.	490.65						
Slightly weathered, gray, soapy, CLAY SHALE.	489.15	-40					
				92	65		
		-45					

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)

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

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

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

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Slightly weathered, gray, soapy, CLAY SHALE. *(continued)*				100	60		
		-50					
	476.35						
Extent of exploration.							
Benchmark = 543.64' Chiseled square, West abut, NW wingwall of structure number 025-0078		-55					
Provided by Program Development, design survey.							
		-60					
		-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)

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

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

DRAWING NO. 28 OF 29 SHTS

12/12/2003 _varlings