

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	109
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S93 OF S114 CONTRACT 94450

**Bore Log**

Sheet 1 of 1

Date 4/11/2002



PROJECT FAP 827  
 ROUTE IL Rt. 15/IN Rt. 64  
 SECTION 12BR, 12Z-3  
 COUNTY Wabash - IL / Gibson - IN  
 STRUCTURE NO. Exst. 093-0014 Prop. 093-0021

DESCRIPTION Wabash River Crossing  
 LOCATION T1S, R12W, Section 26, SW 1/4  
 DRILL METHOD CME 55/Driven HW Casing/wash bore  
 HAMMER TYPE Automatic Hammer/Cathead  
 Drilled By Haines Drilling  
 Checked By SCI

Boring No.	Station	Offset	Barge Deck El.	Mudline El.	Surface Water Elevation	Groundwater Elevation	First Encountered	Upon Completion	After 24 Hours	Mud Rotary Start Elevation	Depth (ft)	Qu	W
B-105	1028+77	5' Left	392.68	365.18	366.18		N/A	N/A	N/A	358.68			
Soft River SEDIMENT - El. 365.18 to El. 360.68													
Due to the current, the top 4.5 feet of HW casing (4.5-inch O.D./4.0-inch I.D.) was pushed. An additional 0.5 feet of the HW casing was driven with the automatic hammer													
SPT Sampler driven with cathead													
Loose Grey and Brown Medium to Fine SAND, trace Fine Gravel and Mollusk Shell (Portion of shell in upper portion of SPT Sampler)													
A-2													
Medium Dense Gray Fine to Coarse SAND, little Fine Gravel													
A-1-b													
Medium Dense Coarse to Fine GRAVEL (determined by laboratory analysis)													
A-1-a													
Sample not obtained - Diller's omission													
Medium Dense Gray Medium to Fine SAND, trace Coarse Gravel (partially blocked shoe)													
A-2													
Loose Gray Coarse to Fine SAND, trace Coarse Gravel													
A-2													
Coarse Gravel													
Gray CLAY A-7													
Hard Gray, Relatively Dry, CLAYEY SHALE													
Refer to the Rock Core Log for additional information.													

Standard Penetration Test (N-value) - Blows per foot to drive 2-inch O.D. split spoon sampler 12-inches with a 140# Hammer falling 30-inches. Failure Type: B-Bulge; S-Shear; P-Penetrometer Test; E-Estimated  
 Qu - Unconfined Compressive Strength (ksf)  
 W - water content (percentage of oven dry weight - %)  
 AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

**Rock Core Log**

Sheet 1 of 1

Date 4/12/2002



PROJECT FAP 827  
 ROUTE IL Rt. 15/IN Rt. 64  
 SECTION 12BR, 12Z-3  
 COUNTY Wabash - IL / Gibson - IN  
 STRUCTURE NO. Exst. 093-0014 Prop. 093-0021

DESCRIPTION Wabash River Crossing  
 LOCATION T1S, R12W, Section 26, SW 1/4  
 DRILL NO. CME 55/Driven HW  
 CORE METHOD AW, Rods with Wire Line Core Barrel  
 CORE BARREL TYPE/SIZE 12" Split Barrel/NX  
 Drilled By Haines Drilling  
 Checked By SCI

Boring No.	Station	Offset	Barge Deck El.	Surface Water El.	Mudline El.	Core Diameter	Top of Rock El.	Begin Core El.	Depth (ft)	Qu	W
B-105	1028+77	5' Left	392.68	366.18	365.18	1.75"	345.18	344.56			
Hard, Relatively Dry, CLAYEY SHALE											
Soft to Moderately Hard, Very Fine Crystalline, Thin Bedded, Slightly Weathered, Gray LIMESTONE											
Gray SHALE											
Soft to Moderately Hard, Very Fine Crystalline, Thin Bedded, Slightly Weathered, Gray LIMESTONE											
Gray SHALE											
Soft to Moderately Hard, Very Fine Crystalline, Thin Bedded, Slightly Weathered, Gray LIMESTONE											
Boring terminated at 30.6 feet											

Color pictures of the cores  
 Cores will be stored for examination until: 1/2007  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D 2938)

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 IL ROUTE 15/IN ROUTE 64  
 OVER WABASH RIVER PUBLIC WATERS  
 FAP 827 SECT 12Z-3, 12BR  
 SOIL BORING LOGS

**benesch**  
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 Job No. 3426

SN: 093-0021 (IL)/9502700 (IN) STA. 1036+27  
 WABASH CO., IL. DATE: JUNE 15, 2007