ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	112
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S96 OF S114

CONTRACT 94450

Bore Log

Sheet 2 of 3

Date 4/17-19/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 122-3	DRILL METHOD	CME 55/HW & NW Casing/wash bore
COUNTY	Wabash - IL / Gibson - IN	HAMMER TYPE	Automatic Hammer/Cathead
STRUCTURE NO.	Exist. 093-0014 Prop. 093-0021	Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-108
Station: 1035+73
Offset: 5' Right
Barge Deck El. 394.18
Mudline El. 369.93

Surface Water Elevation: 368.93
Groundwater Elevation
First Encountered: N/A
Upon Completion: N/A
After 24 Hours: N/A /Collapse: N/A
Mud Rotary Start Elevation: 360.93

Description	Elev.	Depth (ft)	N	Qu t/sf	W %
			42		
Dense Gray and Brown Fine to Coarse SAND little Fine Gravel A-1-b (determined by laboratory analysis)	320.43	50	23 21 21	--	
Driller observed gravely drilling at 55.5 feet to 59.0 feet. Intermittent beds		55	13 17 17	--	
Very Dense Gray and Brown Medium to Fine SAND, trace Coal A-2	310.43	60	21 25 28	--	
Very Dense Gray and Brown Medium to Fine SAND, trace Fine and Coarse Gravel (Coarse Gravel in middle and bottom of SPT Sampler shoe) A-2	307.43	65	19 40 40	--	
Driller observed gravel during drilling from 65.5 feet to 69.0 feet.					
Medium Dense Gray Fine SAND, little Clay or trace Fine Gravel A-3	300.43	70	11 11 12	--	20.5
Dense Gray Fine SAND, little Clay A-3 (determined by laboratory analysis)	297.93	75	15 19 28	--	21.9
Very Stiff Gray Moist CLAY, little Sand and trace Gravel A-7	287.43	80			
		85	10 10 13	0.33 B	15.9
		90			

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 (t/sf)
W - water content (percentage of oven dry weight - %)
AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

Bore Log

Sheet 3 of 3

Date 4/17-19/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 122-3	DRILL METHOD	CME 55/HW & NW Casing/wash bore
COUNTY	Wabash - IL / Gibson - IN	HAMMER TYPE	Automatic Hammer/Cathead
STRUCTURE NO.	Exist. 093-0014 Prop. 093-0021	Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-108
Station: 1035+73
Offset: 5' Right
Barge Deck El. 394.18
Mudline El. 369.93

Surface Water Elevation: 368.93
Groundwater Elevation
First Encountered: N/A
Upon Completion: N/A
After 24 Hours: N/A /Collapse: N/A
Mud Rotary Start Elevation: 360.93

Description	Depth (ft) El.	N	Qu t/sf	W %
Tricone bit refusal	278.43			
Driller observed harder drilling at 91.5 feet with 700 psi of pulldown pressure. Washed cuttings indicated a dark reddish brown clayey material with organics - coal or oil. The organics were floating on the surface of the mud slurry tank. The organic material washed off with water. The driller advanced the boring to 94 feet.	95			
Refer to the Rock Core Log for additional information.	100			
	105			
	110			
	115			
	120			
	125			
	130			
	135			

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 (t/sf)
W - water content (percentage of oven dry weight - %)
AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

Rock Core Log

Sheet 1 of 1

Date 4/19/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 122-3	DRILL RIG	CME 750 Drill Rig
COUNTY	Wabash - IL / Gibson - IN	CORE METHOD	AW Rods with Wire Line Core Barrel
STRUCTURE NO.	Exist. 093-0014 Prop. 093-0021	CORE BARREL TYPE/SIZE	12" Split Barrel/NX
		Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-108
Station: 1035+73
Offset: 5' Right
Barge Deck El. 394.18
Surface Water El. 368.93
Mudline El. 369.93

Core Diameter 1.75"
Top of Rock El. 278.43
Begin Core El. 275.93

Description	Depth (ft)	Core (#)	Recovery (%)	RQD (%)	Core Time (min/ft)	Strength (tsf)
Hard, Relatively Dry, Clayey SHALE	95				1:25	
					1:26	
					1:47	
					0:59	
	270.68	1	93	83	1:59	
Hard, Relatively Dry, SHALE	100				1:28	
					1:25	
					1:21	
					1:30	
	265.93				2:06	
Boring Terminated at 104.0 feet	105					

Color pictures of the cores
Cores will be stored for examination until: 1/2007

DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

benesch

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Job No. 3425

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

SOIL BORING LOGS

SN: 093-0021 (IL)/9502700 (IN)
WABASH CO., IL.

STA. 1036+27
DATE: JUNE 15, 2007

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