ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	108
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S92 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 1

Date 3/21/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 12Z-3	DRILL METHOD	CME 750/Hollow stem auger/wash bore
COUNTY	Wabash - IL / Gibson - IN	HAMMER TYPE	Automatic Hammer
STRUCTURE NO.	Exist. 093-0014 Prop. 093-0021	Drilled By	Herriss Drilling
		Checked By	SCI

Boring No.: B-103
Station: 1025+70
Offset: 20' Left
Ground Surface El. 389.40

Surface Water Elevation:
Groundwater Elevation
First Encountered: 383.40
Upon Completion: 387.40
After 24 Hours: N/A / Collapse: N/A
Mud Rotary Start Elevation: 375.90

Description	Elev.	Depth (ft) El.	N	Qu t/sf	W %
Stiff Brown Moist CLAY, little Sand					
A-7		1	6	2.93	19.5
			7	S	
	386.40				
Medium Stiff Brown Moist SILTY CLAY, trace Gravel		3			
A-7		5	3	1.27	21.2
			4	B	
Groundwater ▽	383.90				
Medium Stiff Brown Moist SILTY CLAY		1			
A-7			2	0.59	24.8
			3	B	
	381.40				
Soft Brown and Grey Moist SILTY CLAY, some Sand and trace Gravel		1			
A-6		10	1	0	29.0
			2	B	
	378.90				
Very Loose Brown Medium to Fine SAND, little Coarse Sand and trace Fine Gravel		0			
A-1-b (determined by laboratory analysis)			1	--	
			1		
	376.40				
Loose Brown Coarse to Fine SAND, little Fine Gravel		1			
A-2		15	2	--	
			3		
	373.90				
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel		4			
A-2			6	--	
			5		
	371.40				
Loose Brown Medium to Fine SAND, trace Fine Gravel		3			
A-2		20	4	--	
			5		
	368.90				
Shoe Blocked - Coarse Gravel (1 specimen obtained)		6			
A-1-a			13	--	
			21		

Description	Elev.	Depth (ft) El.	N	Qu t/sf	W %
Very Stiff Grey Moist SILTY CLAY, some Sand and little Coal fragments					
A-4		8	6	0.55	19.6
		25	9	S	
	363.90				
Stiff Grey Shaley CLAY					
A-7			5		
			8	0.88	16.4
			13	B	
	360.90				
Grey SHALE, some Clay			50/2"		
			50/0.5"		
		30			
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 (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 3/21/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 12Z-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	Herriss Drilling
		Checked By	SCI

Boring No.: B-103
Station: 1025+70
Offset: 20' Left
Ground Surface El. 389.40

Core Diameter 1.75"
Top of Rock El. 360.90
Begin Core El. 360.77

Description	Depth (ft)	Core (#)	Recovery (%)	RQD (%)	Core Time (min/ft)	Strength (tsf)
Hard, Gray SHALE						
					1:25	
					2:13	
					1:13	
					1:39	
	33.5	1	94	75	1:12	
					1:18	
					1:40	
					1:46	
					1:34	
	350.90	38.5			1:55	
Boring terminated at 38.5 feet.						
	43.5					
	48.5					
	53.5					

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

Bore Log

Sheet 1 of 1

Date 3/28/2002

PROJECT	FAP 827	DESCRIPTION	Wabash River Crossing
ROUTE	IL Rt. 15/IN Rt. 64	LOCATION	T1S, R12W, Section 26, SW 1/4
SECTION	12BR, 12Z-3	DRILL METHOD	CME 750/Hollow stem auger/wash bore
COUNTY	Wabash - IL / Gibson - IN	HAMMER TYPE	Automatic Hammer
STRUCTURE NO.	Exist. 093-0014 Prop. 093-0021	Drilled By	Herriss Drilling
		Checked By	SCI

Boring No.: B-104
Station: 1026+30
Offset: centerline
Ground Surface El. 388.08

Surface Water Elevation:
Groundwater Elevation
First Encountered: 382.08
Upon Completion: 387.08
After 24 Hours: 386.91 / Collapse: 384.48
Mud Rotary Start Elevation: 374.58

Description	Elev.	Depth (ft) El.	N	Qu t/sf	W %
Topsoil	387.91				
Very Soft Brown Moist SILTY CLAY					
A-7		6	1	0.25	30.3
			1	B	
		25			
		0	1	0	31.3
		5	1	B	
Groundwater ▽					
		0	1	0	34.2
			1	B	
		30			
	380.08				
Very Soft Brown Moist SILTY CLAY, some Sand					
A-6		0	1	0	27.8
		10	1	P	
	376.58				
Loose Brown Medium to Fine SAND, some Silt and trace Fine Gravel		0	2	0	25.8
			4	P	
		35			
A-2		1			
		15	2	--	
			4		
	372.58				
Medium Dense Brown Medium to Fine SAND, little Coarse Sand and trace Fine Gravel		5			
			5	--	
			6		
		40			
A-1-b (determined by laboratory analysis)		4			
		20	5	--	
			7		
	367.08				
Grey SHALE	366.45		50/1"		
Boring terminated at 21 feet.			50/0.25"		
		45			

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

DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

benesch

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Job No. 3426

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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