ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	107
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S91 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 1

Date 3/14/2002

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	Harriss Drilling
		Checked By	SCI

Boring No.: B-101
Station: 1023+45
Offset: 10' Left
Ground Surface El. 396.34

Surface Water Elevation:
Groundwater Elevation
First Encountered: 385.84
Upon Completion: Grouted
After 24 Hours: /Collapse: Grouted
Mud Rotary Start Elevation: 382.84

Description	Depth (ft) El.	N	Qu t/sf	W %
Topsoil 395.84				
Medium Stiff Brown Moist SILTY CLAY		1		
A-6		2	0.59	19.3
		3	B	
393.34				
Medium Stiff Brown Moist SILTY CLAY		1		
A-7		3	1.17	25.6
	5	5	B	
390.84				
Stiff Brown Moist SILTY CLAY		2		
A-7		6	2.04	25.0
		6	B	
388.34				
Medium Stiff Brown Moist SILTY CLAY		1		
A-6		3	0.55	28.5
	10	3	B	
Groundwater 385.84				
Medium Stiff Brown Moist SILTY CLAY		1		
A-7		2	0.55	27.9
		3	B	
383.34				
Medium Stiff Brown Moist SILTY CLAY		1		
A-6		2	0.49	27.0
	15	3	B	
380.84				
Loose Brown Coarse to Fine SAND, some Fine Gravel		4		
A-2		4	--	
		4		
		2		
		2	--	
	20	3		
375.84				
Loose Brown Medium to Fine SAND, trace Fine Gravel		2		
A-1-b (determined by laboratory analysis)		1	--	
		3		

Description	Depth (ft) El.	N	Qu t/sf	W %
373.34				
Loose Brown Coarse to Fine SAND, trace Fine Gravel		3		
A-2	25	3	--	
		5		
370.84				
Medium Dense Brown Medium to Fine SAND, little Coarse Sand and Fine Gravel		7		
A-2		7	--	
		7		
368.34				
Medium Dense Brown Medium to Fine SAND, little Coarse Sand and Fine Gravel, trace Coarse Gravel		6		
A-2	30	7	--	
		14		
365.84				
Medium Dense Brown Medium to Fine SAND, little Coarse Sand and Fine Gravel		6		
A-1-b (determined by laboratory analysis)		9	--	
		7		
362.84				
Gray Clayey SHALE		50/3.5"	4.5	13.4
	35	50/1"	P	
Refer to the Rock Core Log for additional information.				
Boring closed with bentonite grout after coring				

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 3/14/2002

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	Harriss Drilling
		Checked By	SCI

Boring No.: B-101
Station: 1023+45
Offset: 10' Left
Ground Surface El. 396.34

Core Diameter 1.75"
Top of Rock El. 362.84
Begin Core El. 361.34

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Hard, Gray SHALE					1:36	
					1:04	
					1:04	
					1:18	
	40	1	98	69	1:28	
					1:25	
					1:30	
					1:45	
					1:20	
351.34	45				1:30	
Boring terminated at 45 feet.						
	50					
	55					
	60					

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

Bore Log

Sheet 1 of 1

Date 3/14/2002

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	Harriss Drilling
		Checked By	SCI

Boring No.: B-102
Station: 1024+50
Offset: 25' Left
Ground Surface El. 389.48

Surface Water Elevation:
Groundwater Elevation
First Encountered: 378.98
Upon Completion: 386.98
After 24 Hours: 386.48/Collapse: 386.48
Mud Rotary Start Elevation: 375.98

Description	Depth (ft) El.	N	Qu t/sf	W %
Topsoil 389.81				
Medium Stiff Brown Moist SILTY CLAY		2		
A-7		3	1.46	23.1
		4	B	
386.48				
Medium Stiff Brown Moist SILTY CLAY		2		
A-6		2	0.59	26.3
	5	3	B	
383.98				
Stiff Brown and Gray Moist SILTY CLAY		1		
A-6		2	0.46	25.9
		3	B	
381.48				
Loose Brown Coarse to Fine SAND, some Clay and little Fine Gravel		1		
A-2	10	3	0	16.6
		4	P	
Groundwater 378.98				
Loose Brown Coarse to Fine SAND, little Fine Gravel		1		
A-1-b (determined by laboratory analysis)		2	--	
		2		
		2		
		3	--	
	15	4		
373.98				
Very Loose Brown Coarse to Fine SAND, trace Fine Gravel		1		
Split Spoon Shoe plugged with Fine Gravel		2	--	
A-2		1		
371.48				
Medium Dense Brown Coarse to Fine SAND trace Fine Gravel		2		
		3	--	
A-2	20	4		
368.98				
Dense Brown Coarse to Fine SAND, trace Fine Gravel		6		
Split Spoon catcher plugged with Fine Gravel		8	--	
A-2		10		

Description	Depth (ft) El.	N	Qu t/sf	W %
		6		
	25	6	--	
		9		
363.48				
Gray Shaley CLAY, trace Fine Gravel		7		
A-7		5	0.33	20.5
		8	B	
360.98				
Gray Clayey SHALE	360.48	50/3"	4.5	9.5
Boring terminated at 29 feet		50/1"	P	
	30			
	35			
	40			
	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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312-565-0450
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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