ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	119
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S103 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 3

Date 2/5-8/02

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

DESCRIPTION: Wabash River Crossing
LOCATION: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Automatic Hammer
Drilled By: Herriss Drilling
Checked By: SCI

Boring No.: B-113
Station: 1042+45
Offset: Centerline
Ground Surface El. 393.35

Surface Water Elevation:
Groundwater Elevation
First Encountered: 378.35
Upon Completion: Not Obs.
After 24 Hours: 388.35/Collapse: 386.35
Mud Rotary Start @ Elevation: 378.35

Description	Depth (ft) El.	N	Qu t/sf	W %
Brown SILTY CLAY, Concrete Rubble-FILL A-7				
Stiff Brown Moist SILTY CLAY, trace Sand				
A-6		2 3 5	1.25 P	23.4
	390.35			
Medium Stiff Moist SILTY CLAY, some Sand				
A-4	5	2 4 3	0.25 P	18.0
	387.85			
Soft Moist SILTY CLAY, trace Sand				
A-4	10	1 2 1	0 P	25.7
	380.85			
Soft Moist Brown SILTY CLAY, trace Sand				
A-6 (Groundwater)	15	1 2 2	0 B	28.8
	377.85			
Soft Moist Brown SILTY CLAY, trace Sand				
A-4	20	1 1 2	0 P	28.1
	375.35			
Soft Moist Brown SILTY CLAY				
A-7	20	1 2 2	0.43 B	25.3
	372.85			
Loose Gray Fine SAND				
A-2	45	3 2 6	--	
	370.35			
Medium Dense Brown Fine SAND, little Fine Gravel				
A-2	25	4 4 13	--	
	367.85			
Medium Dense Brown Fine to Coarse SAND, little Fine Gravel				
A-1-a (determined by laboratory analysis)	50	9 13 13	--	
	365.35			
Medium Dense Brown Coarse to Fine SAND				
A-2	30	8 8 8	--	
	362.85			
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel				
A-2	35	7 8 8	--	
	360.35			
Medium Dense Brown Coarse to Fine SAND, some Fine Gravel				
A-2	35	16 9 10	--	
	357.85			
Medium Dense Brown Fine to Medium SAND				
A-2	40	5 8 11	--	
	355.35			
	45	7 9 14	--	
	352.85			
	45	15 15 15	--	
	350.35			
	45	2 4 6	--	

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 2 of 3

Date 2/5-8/2002

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

DESCRIPTION: Wabash River Crossing
LOCATION: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Automatic Hammer
Drilled By: Herriss Drilling
Checked By: SCI

Boring No.: B-113
Station: 1042+45
Offset: Centerline
Ground Surface El. 393.35

Surface Water Elevation:
Groundwater Elevation
First Encountered: 378.35
Upon Completion: Not Obs.
After 24 Hours: 388.35/Collapse: 386.35
Mud Rotary Start @ Elevation: 378.35

Description	Depth (ft) El.	N	Qu t/sf	W %
	347.35			
Medium Dense Brown and Gray Fine to Medium SAND				
A-2	5	13	--	
	50	15		
	336.35			
Dense Brown and Gray Fine to Medium SAND				
A-3 (determined by laboratory analysis)	2	5	--	
	55	15		
	331.35			
Medium Dense Brown and Gray Fine to Medium SAND				
A-2	6	16	--	
	60	30		
	326.85			
Dense Brown and Gray Fine to Coarse SAND, trace Fine Gravel				
A-2	8	13	--	
	65	15		
	321.35			
Dense Brown and Gray Fine to Medium SAND, trace Fine Gravel				
A-2	70	9 14 20	--	
	316.35			
	75	9 16 19	--	
	311.35			
Gravelly @ 82 feet to 83 feet as observed during drilling	80			
	310.85			
Dense Brown Fine SAND, some Silt				
A-3 (determined by laboratory analysis)	85	5 12 32	--	
	306.35			
	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 2/5-8/02

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

DESCRIPTION: Wabash River Crossing
LOCATION: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Automatic Hammer
Drilled By: Herriss Drilling
Checked By: SCI

Boring No.: B-113
Station: 1042+45
Offset: Centerline
Ground Surface El. 393.35

Surface Water Elevation:
Groundwater Elevation
First Encountered: 378.35
Upon Completion: Not Obs.
After 24 Hours: 388.35/Collapse: 386.35
Mud Rotary Start @ Elevation: 378.35

Description	Depth (ft) El.	N	Qu t/sf	W %
	302.85			
Medium Dense Brown Fine to Coarse SAND, little Fine Gravel				
A-2	8	12	--	
	95	14		
Gravel from approximately 97.5 feet to approximately 99 feet as observed during drilling				
	293.85			
Medium Dense Brown Fine SAND, some Silt	100			
A-2				
	288.85			
Medium Dense Gray Fine to Medium SAND, trace Coal	3	12	--	
A-2	105	14		
	283.85			
	110			
	281.35			
Stiff Gray CLAY, little Sand, trace Coal				
A-7	7	12	0.91	19.9
	278.85	22	B	
Medium Dense Gray Fine SAND	115			
A-3 (determined by laboratory analysis)	277.35			
Driller encountered soft rock @ 116 feet				
Driller encountered harder rock @ 117 feet				
Hard, Relatively Dry, Gray Clayey SHALE		50/2" 50/0.5"	--	
Refer to the Rock Core Log for additional information.	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

DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

benesch

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
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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