ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	125
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S109 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 3

Date 2/26-28/2002

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-117
Station: 1047+25
Offset: Centerline
Ground Surface El. 390.50

Surface Water Elevation:
Groundwater Elevation
First Encountered: 379.00
Upon Completion: Not Obs.
After 24 Hours: 383.17/Collapse: 382.50
Mud Rotary Start Elevation: 377.00

Description	Depth (ft) El.	N	Qu t/sf	W %
Loose Brown Fine SAND, some Silt				
A-2		2 2 2	0.5 P	13.6
	5			
	385.00			
Soft Brown, Wet CLAYEY SILT, little Fine Sand				
A-4		1 2 2	0.65 P	25.4
	382.50			
Loose Brown Fine SAND, little Silt				
A-2	10	2 3 3	--	22.3
Groundwater				
	377.50			
Loose Brown Medium to Fine SAND				
A-2 (determined by laboratory analysis)	15	1 1 3	--	
	375.00			
Medium Dense Brown Medium to Fine SAND				
A-2		4 3 7	--	
	372.50			
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel				
A-1-b	20	8 8 7	--	
	370.00			
Medium Dense Brown Coarse to Fine SAND, some Fine Gravel and trace Coarse Gravel				
A-1-b		4 6 6	--	
Medium Dense Brown Coarse to Fine SAND, Fine SAND, some Fine Gravel	367.50			
A-1-b (determined by laboratory analysis)	25	2 5 7	--	
Split Spoon Shoe blocked with Coarse Gravel - recovery	30	4 4 5	--	
	360.00			
Medium Dense Brown Medium to Fine SAND, little Fine Gravel				
A-2		6 14 12	--	
	357.50			
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel and trace Coal				
A-2	35	4 6 8	--	
	355.00			
Medium Dense Brown Medium to Fine SAND, trace Fine Gravel				
A-2		4 4 6	--	
	352.50			
Medium Dense Brown Coarse to Fine SAND, trace Fine Gravel				
A-2	40	3 5 9	--	
	350.00			
Medium Dense Brown and Grey Medium to Fine SAND				
A-2		5 7 9	--	
	347.50			
Dense Brown and Grey FINE SAND				
A-2	45	5 12 20	--	

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 2/26-28/2002

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-117
Station: 1047+25
Offset: Centerline
Ground Surface El. 390.50

Surface Water Elevation:
Groundwater Elevation
First Encountered: 379.00
Upon Completion: Not Obs.
After 24 Hours: 383.17/Collapse: 382.50
Mud Rotary Start Elevation: 377.00

Description	Depth (ft) El.	N	Qu t/sf	W %
343.50				
Medium Dense Brown and Grey Medium to Fine SAND				
A-2	50	6 11 17	--	
338.50				
Dense Brown and Grey Coarse to Fine SAND, trace Fine Gravel				
A-2 (determined by laboratory analysis)	55	12 18 17	--	
328.50				
Dense Brown and Grey Medium to Fine SAND				
A-2	60	7 9 10	--	
323.50				
Dense Brown and Grey Medium to Fine SAND				
A-2	65	10 19 23	--	
318.50				
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel and trace Coal				
A-2	70	5 5 6	--	
313.50				
Medium Dense Brown and Grey Coarse to Fine SAND, some Fine Gravel				
A-2 (determined by laboratory analysis)	75	7 6 5	--	
310.50				
Medium Dense Brown and Grey Coarse to Fine SAND, some Fine Gravel				
A-2 (determined by laboratory analysis)	80	8 7 9	--	
300.50				
Medium Dense Brown and Grey Coarse to Fine SAND, some Fine Gravel	90	17 30 30	--	

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 2/26-28/2002

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-117
Station: 1047+25
Offset: Centerline
Ground Surface El. 390.50

Surface Water Elevation:
Groundwater Elevation
First Encountered: 379.00
Upon Completion: Not Obs.
After 24 Hours: 383.17/Collapse: 382.50
Mud Rotary Start Elevation: 377.00

Description	Depth (ft) El.	N	Qu t/sf	W %
Very Stiff Grey, Moist Grey CLAYEY SILT, little Fine SAND				
A-4				
Sampling at 93.5 to 95 feet not feasible due to sloughing of approximately 1 foot of material when split spoon was installed in the boring. Casing installing to 95 feet in natural sands and was washed.	95			
		6 9 11	--	21.4
	100			
	105	12 11 35	--	17.7
280.50	110			
Very Dense Brown Coarse to Fine SAND, some Fine Gravel				
A-2 (determined by laboratory analysis)				
	115	17 30 30	--	
270.50	120			
Clayey SHALE (washed cuttings)	270.00			
Boring terminated at 120.5 feet				
*Remark - Due to heavy gravel (encountered from 105 to 115 feet), casing could not be driven and therefore could not drive split spoon. SPT N-values were not obtained on the bedrock. Driller encountered rock at 120.00 and tri-cone refusal at 120.50 feet.	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	CS
CHECKED	ADD

benesch

alfred benesch & company
Engineers • Surveyors • Planners
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

m:\proj\3426\stage_2\structures\design\sub\ssbdt019.dgn 3:26:44 PM 9/19/2007