

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	118
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S102 OF S114 CONTRACT 94450

Bore Log

Sheet 1 of 3

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

DESCRIPTION: Wabash River Crossing
 LOCATION: TIS, R12W, Section 26, SW 1/4
 DRILL METHOD: CME 750/Hollow stem auger/wash bore
 HAMMER TYPE: Cathead

Date: 7/29-30/2002
 Drilled By: Harris Drilling
 Checked By: SCI



Boring No.: B-112				Surface Water Elevation:			
Station: 1041+25				Groundwater Elevation:			
Offset: 15' Left				First Encountered: 372.32			
				Upon Completion: Not Obs.			
				After 24 Hours: 374.82/Collapse: 373.32			
				Mud Rotary Start Elevation: 369.32			
Depth (ft)	N	Qu (tsf)	W (%)	Depth (ft)	N	Qu (tsf)	W (%)
Ground Surface El. 384.32							
Stiff Brown Moist SILTY CLAY							
A-7				Medium Dense Brown and Gray Fine GRAVEL, some Sand			
5				A-1-a (determined by laboratory analysis)			
7		4.25	28.6	3			
9		P		5		--	
				25		15	
				369.82			
				Medium Dense Brown Medium to Fine SAND, trace Fine Gravel			
2				10			
4		2.75	24.9	12		--	
5		P		12			
				379.32			
Soft Brown Moist CLAYEY SILT, some Fine Sand							
A-4				3			
1		0	27.1	7		--	
3		P		30		11	
2		0	23.0	5			
2		P		13		--	
				17			
				373.82			
Loose Brown Medium to Fine SAND							
A-1-b				Dense Brown Medium to Fine SAND, trace Fine Gravel			
4				5			
5		--		12		--	
				35		22	
				351.82			
				Dense Brown and Gray Coarse to Fine SAND, trace Fine Gravel			
1				12			
2		--		17		--	
5				29			
				369.82			
Loose Gray Medium to Fine SAND							
A-2				10			
3				15		--	
4		--		40		21	
				343.82			
				Dense Brown and Gray Coarse to Fine SAND, trace Fine Gravel			
7				11			
8		--		16		--	
20				20			
				341.32			
				Dense Brown and Gray Medium to Fine SAND, trace Fine Gravel			
4				12			
10		--		16		--	
11				45		16	

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 (tsf)
 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

PROJECT: FAP 827
 ROUTE: IL Rt. 15/IN Rt. 64
 SECTION: 12BR, 12Z-3
 COUNTY: Wabash - IL / Gibson - IN
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DESCRIPTION: Wabash River Crossing
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 DRILL METHOD: CME 750/Hollow stem auger/wash bore
 HAMMER TYPE: Cathead

Date: 7/29-30/2002
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				Upon Completion: Not Obs.			
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				Mud Rotary Start Elevation: 369.32			
Depth (ft)	N	Qu (tsf)	W (%)	Depth (ft)	N	Qu (tsf)	W (%)
Ground Surface El. 384.32							
Very Dense Brown and Gray Coarse to Fine SAND							
A-2				A-3 (determined by laboratory analysis)			
44				29			
58		--		25		--	
50		49		70		30	
				312.32			
				Very Dense Brown and Gray Medium to Fine SAND, little Fine Gravel			
16				20			
26		--		33		--	
33				75		43	
				332.32			
Very Dense Brown and Gray Medium to Fine SAND, trace Fine Gravel							
A-3				A-2 (determined by laboratory analysis)			
16				20			
26		--		33		--	
33				75		43	
				364.32			
				Medium Dense Brown Fine SAND			
13				12			
18		--		12		--	
25				86		16	
				277.82			
				Gray Clayey SHALE			
50/2"				50/4"		--	16.0
50/1"		--		50/1"			
				276.82			
				Boring terminated at 107.5 feet.			
				110			
				115			
				120			
				125			
				130			
				135			

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Sheet 3 of 3

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Ground Surface El. 384.32							
Very Dense Gray Fine SAND							
A-2				A-2 (determined by laboratory analysis)			
16				32		--	
32		--		55		40	
				312.32			
				Very Dense Brown and Gray Medium to Fine SAND, little Fine Gravel			
20				20			
33		--		33		--	
				75		43	
				284.32			
				Very Dense Gray Medium to Fine SAND, little Fine Gravel			
50/2"				50/1"		--	
50/1"		--		105			
				277.82			
				Gray Clayey SHALE			
50/4"		--	16.0	50/1"			
				276.82			
				Boring terminated at 107.5 feet.			
				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
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DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

benesch

alfred benesch & company
 Engineers • Surveyors • Planners
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-269-0450
 Job No. 3420

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