ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	116
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S100 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 3

Date 7/31-8/1/2002

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	Cathead
STRUCTURE NO.	093-0014	Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-111
Station: 1040+00
Offset: 4' Left
Ground Surface El. 384.14

Surface Water Elevation:
Groundwater Elevation
First Encountered: 371.14
Upon Completion: 373.64
After 24 Hours: /Collapse:364.84
Mud Rotary Start Elevation: 368.14

Description	Depth (ft) El.	N	Qu t/sf	W %
Stiff Brown Moist SILTY CLAY				
A-7		5 6 11	4.5 P	23.8
		2 4 5	4.5 P	23.6
	376.14			
Medium Stiff Brown Moist SILTY CLAY				
A-6		3 2 3	3.5 P	23.9
	373.64			
Soft Gray Moist CLAYEY SILT				
A-4		2 2 2	0 P	32.0
Groundwater ▽				
		2 1 2	0 P	30.4
	368.64			
Medium Dense Gray Medium to Fine SAND				
A-2		3 5 6	--	
	366.14			
Medium Dense Gray Medium to Fine SAND trace Fine Gravel				
A-2		3 5 8	--	
	363.64			
Medium Dense Brown Medium to Fine SAND, trace Fine Gravel				
A-2		2 5 9	--	
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel				
A-1-b (determined by laboratory analysis)		3 5 4	3.5 P	23.4
	356.14			
Dense Brown Medium to Fine SAND				
A-2		6 9 25	4.5 P	23.8
		6 10 12	--	
	351.14			
Dense Brown Medium to Fine SAND				
A-2		6 12 35	--	
		10 20 20	--	
	346.14			
Dense Brown Coarse to Fine SAND, trace Fine Gravel				
A-2		9 14 40	--	
	343.64			
Dense Brown and Gray Medium to Fine SAND, trace Fine Gravel				
A-2		9 21 21	--	
		6 14 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

Bore Log

Sheet 2 of 3

Date 7/31-8/1/2002

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	Cathead
STRUCTURE NO.	093-0014	Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-111
Station: 1040+00
Offset: 4' Left
Ground Surface El. 384.14

Surface Water Elevation:
Groundwater Elevation
First Encountered: 371.14
Upon Completion: 373.64
After 24 Hours: /Collapse:364.84
Mud Rotary Start Elevation: 368.14

Description	Depth (ft) El.	N	Qu t/sf	W %
Dense Brown and Gray Medium to Fine SAND				
A-2		8 16 50	-- 24	
	328.14			
Dense Brown and Gray Medium to Fine SAND, trace Fine Gravel				
A-2		17 27 55	-- 29	
	322.14			
Dense Brown and Gray Medium to Fine SAND				
A-2		10 18 60	-- 32	
		10 18 65	-- 27	
Very Dense Brown and Gray Coarse to Fine SAND, little Fine Gravel				
A-1-b		14 24 70	-- 27	
	312.14			
Very Dense Brown Fine SAND				
A-2		17 26 75	-- 28	
	304.14	80		
Very Dense Gray Fine SAND				
A-2		10 32 85	-- 32	
		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 7/31-8/1/2002

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	Cathead
STRUCTURE NO.	093-0014	Drilled By	Harris Drilling
		Checked By	SCI

Boring No.: B-111
Station: 1040+00
Offset: 4' Left
Ground Surface El. 384.14

Surface Water Elevation:
Groundwater Elevation
First Encountered: 371.14
Upon Completion: 373.64
After 24 Hours: /Collapse:364.84
Mud Rotary Start Elevation: 368.14

Description	Depth (ft) El.	N	Qu t/sf	W %
Dense Brown and Gray Fine SAND				
A-3 (determined by laboratory analysis)				
		14 21 25	--	
	284.14	100		
Very Dense Brown Coarse to Fine SAND, little Fine Gravel				
A-2		30 50 50/5"	--	
	279.14			
Gray Clayey SHALE				
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

DESIGNED	CDF
CHECKED	ADD
DRAWN	CDF
CHECKED	ADD

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
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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