ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	113
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

BRIDGE SHEET S97 OF S114

CONTRACT 94450

Bore Log

Sheet 1 of 3

Date 7/25-26/2002

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: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Cathead

Drilled By: Harriss Drilling
Checked By: SCI

Boring No.: B-109
Station: 1037+65
Offset: Centerline
Ground Surface El. 386.08

Surface Water Elevation:
Groundwater Elevation
First Encountered: 374.08
Upon Completion: Not Obs.
After 24 Hours:373.75/Collapse:373.08
Mud Rotary Start Elevation: 371.08

Description	Depth (ft) El.	N	Qu t/sf	W %
Stiff Brown Moist SILTY CLAY A-7	3 5 6	4.5 P	19.0	
	5	3 7 8	4.0 P	19.5
	3	3 3	2.0 P	28.2
378.08				
Soft Brown Moist SILTY CLAY A-6	10	1 2 1	0 P	31.4
375.58				
Loose Gray Fine SAND, some Silt A-4 Groundwater	1 2 5	0.25 P	13.3	
373.08				
Loose Gray Fine SAND A-2	15	1 2 8	--	
370.58				
Medium Dense Brown Medium to Fine SAND, trace Fine Gravel A-1-b (determined by laboratory analysis)	5 7 10	--		
	20	6 8 12	--	
365.58				
Dense Brown Medium to Fine SAND, some Fine Gravel A-1-b	15	9 20	--	
Medium Dense Brown Coarse to Fine SAND, little Fine Gravel A-1-b	25	7 11 11	--	
360.58				
Dense Brown Medium to Fine SAND A-2	5	10 18 19	--	
	30	12 18 28	--	
355.58				
Dense Brown Coarse to Fine SAND, little Fine Gravel A-1-b	35	10 16 17	--	
353.08				
Dense Brown Medium to Fine SAND, trace Fine Gravel A-2	35	10 18 25	--	
350.58				
Dense Brown Medium to Fine SAND A-3 (determined by laboratory analysis)	40	13 26 32	--	
	40	9 16 20	--	
345.08				
Dense Brown Coarse to Fine SAND, trace Fine Gravel A-2	45	10 25 30	--	
	45	12 13 19	--	

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 7/25-26/2002

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: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Cathead

Drilled By: Harriss Drilling
Checked By: SCI

Boring No.: B-109
Station: 1037+65
Offset: Centerline
Ground Surface El. 386.08

Surface Water Elevation:
Groundwater Elevation
First Encountered: 374.08
Upon Completion: Not Obs.
After 24 Hours:373.75/Collapse:373.08
Mud Rotary Start Elevation: 371.08

Description	Depth (ft) El.	N	Qu t/sf	W %
329.08	50	11 14 19	--	
Dense Brown and Gray Medium to Fine SAND A-2	55	10 20 34	--	
324.08	60	14 25 24	--	
Very Dense Brown and Gray Coarse to Fine SAND, little Fine Gravel A-1-b	65	17 26 30	--	
314.08	70	17 26 30	--	
Dense Brown and Gray Fine to Coarse SAND, some Fine Gravel A-1-a	75	26 26 14	--	
307.08	80			
Stiff Gray CLAYEY SILT, some Fine Sand A-4	85	26 37 55	1.0 P	24.2
	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 7/25-26/2002

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: T1S, R12W, Section 26, SW 1/4
DRILL METHOD: CME 750/Hollow stem auger/wash bore
HAMMER TYPE: Cathead

Drilled By: Harriss Drilling
Checked By: SCI

Boring No.: B-109
Station: 1037+65
Offset: Centerline
Ground Surface El. 386.08

Surface Water Elevation:
Groundwater Elevation
First Encountered: 374.08
Upon Completion: Not Obs.
After 24 Hours:373.75/Collapse:373.08
Mud Rotary Start Elevation: 371.08

Description	Depth (ft) El.	N	Qu t/sf	W %
	95	24 29 21	--	23.0
286.08	100			
Hard Gray CLAYEY SILT, some Fine Sand, trace Fine Gravel A-4	105	17 19 30	--	15.7
279.08				
Gray Clayey SHALE Refer to the Rock Core Log for additional information.	110			

Elevation	N	Qu t/sf	W %
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
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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