



## BRIDGE INSPECTION REPORT

**NBI Number:** 34520

**Bridge Number:** I64-103-04691 C

**Facility Carried:** I-64

**Feature(s) Intersected:** OHIO RIVER & WATER STEET

**Location:** 0.11 E SR 111

**Logmile Over:** 123.21

**Logmile Under:** 0.00

**Reference Post:** 124

**Offset:** 86



**Inspection Date:** 10/01/2009

**Inspected By:** ( \* is primary inspector)

Chris Everman, Jerry Martin\*, Mark Wolfe

**Inspection Type:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Routine           | <input checked="" type="checkbox"/> Special |
| <input checked="" type="checkbox"/> Fracture Critical | <input type="checkbox"/> Special - A        |
| <input type="checkbox"/> Underwater                   | <input type="checkbox"/> Special - B        |
| <input type="checkbox"/> Scour                        | <input type="checkbox"/> Special - C        |
| <input type="checkbox"/> Damage                       |   |

**Comments:**

*The purpose of this inspection was to observe the crack that was reported by URS an inspection report in august 2004 and determine if that were any changes. Upon the inspection there did not appear to be any changes. (jlm 9-08-09)*

**Other Info:**

- Under Construction
- Initial Inspection
- Flag for Central Office Review

# STRUCTURE INVENTORY AND APPRAISAL SHORT FORM

NBI Number: 34520  
 Facility Carried: I-64

Bridge Number: I64-103-04691 C  
 Feature(s) Intersected: OHIO RIVER & WATER STEET

**IDENTIFICATION**

State:..... 185 (INDIANA)  
 District:..... 05 (Seymour)  
 County:..... 022 (FLOYD)  
 City/Town:..... 52326 (NEW ALBANY)  
 Feature OHIO RIVER & WATER STEET  
 Facility Carried:..... I-64  
 Location:..... E SR 111  
 Map:.....

**GEOMETRIC DATA**

Max. Span Length:..... 0800.0 Ft.  
 Sidewalk/Curb Lt:..... 000.5 Ft.  
 Sidewalk/Curb Rt:..... 000.5 Ft.  
 Br. Rdwy Width:..... 0042 Ft.  
 Approach Roadway Width:..... 42 Ft.  
 Skew:..... 0 Degree(s)  
 Total Hor. Clearance - Over:.. 0042 Ft.  
 Total Hor. Clearance - Under: 0024 Ft.  
 Vert Clear./Deck:..... 16' 04"  
 Structure Length:..... 02053.0 Ft.  
 Deck Width (O-O):..... 48.3 Ft.  
 Underclearance:..... 42' 03"

**REMAINING LIFE**

Estimated Remaining Life:  
 Wearing Surface:..... 18 Years  
 Deck:..... 18 Years  
 Joints:..... 05 Years  
 Superstructure:..... 38 Years  
 Substructure:..... 48 Years  
 Approach:..... 18 Years  
 Channel:..... 48 Years  
 Culvert:..... NA Years

**STRUCTURE DATA**

Str. Type - Main:..... STA  
 Str. Type - Appr:..... CSTT (N)  
 Deck 1 (CONCRETE CAST-IN-PLACE)  
 Wearing Surface:..... 1 (CONCRETE)  
 Protection:..... 0 (NONE)  
 No. of Spans - Main:..... 002  
 No. of Spans - Approach:..... 003

**LOAD RATING AND POSTING**

Design Load:..... 6 (  
 Operating Rating:..... 245 (  
 Inventory Rating:..... 236 (  
 Gross Tons or H Rating:..... 20 Tons  
 5 (EQUAL TO OR ABOVE LEGAL LOADS)

**PROPOSED IMPROVEMENTS**

Year Needed:.....  
 Type Work:.....

**AGE OF SERVICE**

Year Built:..... 1961  
 Reconstructed:..... 1997  
 Repaired:.....  
 Type of Se 5 (HIGHWAY/PEDESTRIAN)  
 Lanes on Structure:..... 06  
 Lanes under Structure:..... 02  
 ADT - Over:..... 93210 VPD  
 ADT - Under:..... 118 VPD  
 ADT Year Over:..... 2004  
 ADT Year Under:..... 2004

Date Posted/Closed:.....  
 Open, Posted, or Closed:..... A (OPEN)  
 Tons Posted:..... 36  
 Year of Rating:.....

**INSPECTIONS**

Inspection Date:.....  
 Des. Inspection Frequency: 24 Months  
 Critical Feature  
 A:.. Y 24 B:.. Y 36 C:.. Y 24  
 Critical Feature Inspection Date:  
 09/08/2009 11/08/2007 09/08/2009

Describe Work:

Sufficiency Rating:..... 60  
 Improvement Length:..... 000000  
 Bridge Imp. Costs:..... 740 x 1000  
 Roadway Imp. Costs:..... 0 x 1000  
 Total Project Cost:..... 740 x 1000 Ft.  
 Year of Cost Estimate:.....

**CONDITION**

<u>MATERIAL</u>	<u>CONDITION</u>	<u>RATING</u>
Deck:..... 1 (CONCRETE CAST-IN-PLACE)	..... FAIR CONDITION (MINOR SECTION LOSS)	5
Superstr:.....	..... SATISFACTORY CONDITION (MINOR DETERIORATION)	6
Substr:.....	..... GOOD CONDITION (SOME MINOR PROBLEMS)	7
Channel:.....	..... Banks are protected	8
Culv/Ret:.....	..... N-Not Applicable	N
Approach Roadway:.....	..... Satisfactory Condition	6

**APPRAISAL**

<u>DEFICIENCIES</u>	<u>RATING</u>
Structural:.....	7
Geometry:.....	2
Underclearance:.....	9
Waterway Adequacy:.....	9
Roadway Alignment:.....	6

**REMARKS**

THINK SAFETY FIRST

# GENERAL INVENTORY DATA

NBI Number: 34520  
 Facility Carried: I-64

Bridge Number: I64-103-04691 C  
 Feature(s) Intersected: OHIO RIVER & WATER STEET

## IDENTIFICATION

Contract Prefix:..... B  
 Contract Number:..... 22935

8A. NBI Number:..... 34520  
 8N. Bridge No:..... I64-103-04691  
 8C. Structure Designation:.....

6. Features Intersect: OHIO RIVER & WATER STEET  
 7. Facility Carried:..... I-64

Road Number On:..... I064  
 Road Number Under:.....

5. Inventory Route On:..... 111000640  
 5. Inventory Route Under:..... 251000000

(A.) Sort Number:..... 36910

1. State:..... (INDIANA)  
 2. District:..... 05 (Seymour)  
 3. County:..... 022 (FLOYD)  
 4. City/Town:..... 52326 (NEW ALBANY)

9. Location:..... 0.11 E SR 111  
 16. Latitude:..... 38° 16.' 54.00"  
 17. Longitude:..... 085° 49.' 30.00"

11A. Logmile Over:..... 123.21  
 11B. Logmile Under:..... 0.00

## STRUCTURE DATA

43. Material/Design - Main Span:..... STA312  
 Variable Dept  Continuous  Curved

43C. Main Span Widening Type:.....  
 45. Number of Spans - Main:..... 002

44. Material/Design - Approach Spans:..... CSTT410 ()  
 Variable Dept  Continuous  Curved

44C. Other Approach Codes:..... N  
 46. Number of Spans - Approach:..... 003

## GEOMETRIC DATA

28A. Lanes Over:..... 06 (06)  
 28B. Lanes Under:..... 02 ()  
 33. Bridge Median:..... 0 (No Median)  
 34. Skew:..... 0 (s)

19B. Type Interchange:..... N  
 102. Traffic Direction:..... 2 (2-way traffic)  
 116. Minimum Nav Vert Clearance:.....  
 35. Structure Flared:..... 0 (No flare)

## MEASUREMENT DATA

48. Maximum Span Length:..... 0800.0 Ft.  
 49. Structure Length:..... 02053.0 Ft.

### Additional Span Lengths

Ft.	Ft.	Ft.
Ft.	Ft.	Ft.

47A. Total Horizontal Clearance - Over:..... 0042 Ft.  
 47C. Total Horizontal Clearance - Under:..... 0024 Ft.

50A. Sidewalk Width Left:..... 000.5 Ft.  
 50B. Sidewalk Width Right:..... 000.5 Ft.

53. Minimum Verticle Over:..... 16' 04"  
 54A. Minimum Verticle Clearance Code:..... H

47B. Total Horizontal Clearance - Over:..... 0042 Ft.  
 47D. Total Horizontal Clearance - Under:..... Ft.

51. Bridge Roadway Width:..... 0042 Ft.  
 52. Deck Width:..... 48.3 Ft.  
 32. Approach Roadway Width:..... 42 Ft.

10A. Defense Vertical Clearance - Over:..... 17' 07"  
 10B. Defense Vertical Clearance - Under:..... 32' 00"

54B.1 Lateral Right:..... 30.5 Ft.  
 54B2 Lateral Left:..... 0088 Ft.

Date

Min Vert Over	Plan	Measured	Laser
Governs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## TRAFFIC SAFETY FEATURES

(NT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED.)

36B. T<sup>§</sup> 1 (MEETS CURRENT SAFETY STANDARDS.)  
 36C. T<sup>§</sup> 1 (MEETS CURRENT SAFETY STANDARDS.)

36D. T<sup>§</sup> 1 (MEETS CURRENT SAFETY STANDARDS.)

36X.1 Bridge Rail Type:.....  
 36X.2 Fencing On Bridge:.....

THINK SAFETY FIRST

## GENERAL INVENTORY DATA

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

### **CONSTRUCTION HISTORY**

27. Year Built:..... 1961  
Contract Number:.....  
106A. Year Reconstructed:..... 1997  
Contract Number:.....

106B. Year Widened:.....  
Contract Number:.....  
106C. 1Year Last Repaired:.....  
Contract Number:.....

### **DECK WEARING SURFACE**

107. Deck Struct Typ 1 (CONCRETE CAST-IN-PLACE)  
107B. Concrete Form:..... N  
107C. Metal Form:..... N  
107D. Deck Thickness:..... 7

108A. Wear Surface Type:..... 1 (CONCRETE)  
108B. Membrane Type:..... 0 (NONE)  
108C. Deck Prot:..... 0 (NONE)  
108D. Additional Overlay:..... 2

### **COMMENTS**

THINK SAFETY FIRST

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 3  
Bad Joint



Photo 4  
Bad Joint

THINK SAFETY FIRST

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 5

Bad Joint



Photo 6

Bad Joint

THINK SAFETY FIRST

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 7

Bad Joint



Photo 8

Bad Joint

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 9

Bad Joint



Photo 10

Bad Joint

THINK SAFETY FIRST

Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 11

Debris on the Floor Beam



Photo 12

Debris on the Floor Beam

THINK SAFETY FIRST

Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 13

Debris on the Floor Beam



Photo 14

Sound/Chip off Loose Concrete

THINK SAFETY FIRST

Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 15

Sound/Chip off Loose Concrete



Photo 16

Sound/Chip off Loose Concrete

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 17

Sound/Chip off Loose Concrete



Photo 18

Lower Deck facing South

THINK SAFETY FIRST

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 19  
Finger Joint



Photo 20  
Cover Plate on the Upper Deck

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 21

Upper Deck facing North



Photo 22

Underside Upper Deck facing South

THINK SAFETY FIRST

# Indiana Department of Transportation Bridge Inspection Photos

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET



Photo 23  
Side facing West

## INDOT FRACTURE CRITICAL EVALUATION

NBI Number: 34520  
 Facility Carried: I-64

Bridge Number: I64-103-04691 C  
 Feature(s) Intersected: OHIO RIVER & WATER STEET

	Official	Proposed	
92A.01 Requires F. C. Inspection?	Y		93A Date of F.C. Inspection      09/08/2009
92A.02 Inspection Frequency (Months)	24		93C Date of Special Insp.      09/08/2009
92C.01 Requires Special Inspection?	Y		
92A.02 Inspection Frequency (Months)	24	24	
Notes and Comments	Climb, Walk on catwalks, use Access Equipment.		
503.27 Redundant Code	1		

Reason for Fracture Critical Rating

Bridge is a Truss <input checked="" type="checkbox"/>	2 Girder Structure <input type="checkbox"/>	Welded Plate Girders <input type="checkbox"/>
		Riveted Girders <input type="checkbox"/>
		Bolted Girders <input type="checkbox"/>
		Widened with Additional Line(s) of Girders <input type="checkbox"/>

Notes and Comments Tied Arch Structure

### Inspection Requirements

Requires Arms Length Inspection <input checked="" type="checkbox"/>	Tie Chord & all welded attachments to it, Suspension Cables & Anchors, Truss tension members, Floor Beams
Requires Access Equipment <input checked="" type="checkbox"/>	
Requires Special Equipment <input checked="" type="checkbox"/>	
Requires Traffic Control <input checked="" type="checkbox"/>	Yes

Est Time for Full Insp (hrs):  
 Est Time for Partial Insp (hrs):      1      Looked at fatiuge crack in the tie chord only

### Current Inspection Data

Date of Inspection	09/08/2009	Proposed Reinspection Frequency (mm)	24
Number of Hours for Inspection	1	Reason for Above:	Border Bridge with past cracks found in the Tie Chord, (1981).
Full Inspection <input type="checkbox"/>	Partial Inspection <input checked="" type="checkbox"/>		
Inspected By: District	<input type="checkbox"/>		
Consultant (name)	District Inspectors	Reinspect By	09/08/2011
		Inspection Type	Partial

To view a copy of current and past special inspection reports, go to:  
 Central Office or Seymour District

**THINK SAFETY FIRST**

# INDOT FRACTURE CRITICAL EVALUATION

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

## Master List Items

### 92A.1000 Members to Inspect

1. Double Deck - Steel Truss Tied Arch -- 2 spans
2. Double Deck - Continuous Steel Deck/Thru Trusses -- 3 spans
3. See 1992 Detailed Insp. Report for Fracture Critical Details
4. Tie Chord & all welded attachments to it.
5. Suspension Cables & Anchors
6. Truss tension members
7. Floor Beams
8. Many Additional Inspections - Yearly Bi-State Inspections.

### 92A.2000 Inspection Procedures

Clean, scrape, hit, measure, etc.  
use access equipment

### 92A.3000 Inspection and Access Equipment Needed

Probes, wire brush, hammer, magnifying glass, light, etc.

### 92A.4000 Major Inspection Findings

1. OK - some past cracks in Tie Chords
2. OK - see 1992 Detailed Inspection Report
3. OK
4. OK
5. OK
6. OK

### 92A.5000 Inspectors Recommended Actions

#### Actions Taken and Dates

1. Monitor - Reinspect selected areas
2. Monitor
3. Monitor
4. Monitor
5. Monitor
6. Monitor
7. Safety guides added in 1997.

#### Programmed Contract Work

Items/Issues to Check on Biennial Inspections

Do any items require a deficiency report? No

THINK SAFETY FIRST

## INDOT SPECIAL INSPECTION

NBI Number: 34520  
 Facility Carried: I-64

Bridge Number: I64-103-04691 C  
 Feature(s) Intersected: OHIO RIVER & WATER STEET

	Official	Proposed	
92C.01 Requires Special Inspection?	Y		93C Date of Special Inspection      09/08/2009
92A.02 Inspection Frequency (Months)	24	24	
93C.X Special Detail Code      8      Notes			Tied Arch, has Truss Members and Welded Cover Plates
92A.01 Requires F. C. Inspection?	Y		93A Date of F. C. Inspection      09/08/2009
92A.02 Inspection Frequency (Months)	24		
Comments			Tied Arch

### Inspection Requirements

Requires Arms Length Inspection	<input checked="" type="checkbox"/>	Tie Chord & all welded attachments to it, Suspension Cables & Anchors, Truss tension members, Floor Beams, Welded Cover Plates
Requires Access Equipment	<input checked="" type="checkbox"/>	
Requires Special Equipment	<input checked="" type="checkbox"/>	
Requires Traffic Control	<input checked="" type="checkbox"/>	
Est Time for Full Insp (hrs):	0	
Est Time for Partial Insp (hrs):	1	Inspect the crack in the tie chord at panel point T-12.

### Current Inspection Data

Date of Inspection	09/08/2009	Proposed Reinspection Frequency (mm)	24
Number of Hours for Inspection	1	Reason for Above:	
Full Inspection <input type="checkbox"/>	Partial Inspection <input checked="" type="checkbox"/>	Inspect crack at the T-12 (marked as T-35) panel point inside the tie chord.	
Inspected By: District	<input type="checkbox"/>		
Consultant (name)	District Inspectors	Reinspect By	09/08/2011
		Inspection Type	Partial

To view a copy of current and past special inspection reports, go to:  
 Central Office & Seymour District.

**THINK SAFETY FIRST**

## SPECIAL INSPECTION MASTER LIST

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

### Master List Items

#### 92C.1000 Items to Inspect

1. Double Deck - Steel Truss Tied Arch -- 2 spans
2. Double Deck - Continuous Steel Deck/Thru Trusses -- 3 spans
3. See 1992 Detailed Insp. Report for Fracture Critical Details
4. Tie Chord & all welded attachments to it.
5. Suspension Cables & Anchors
6. Truss tension members
7. Floor Beams
8. Many Additional Inspections - Yearly Bi-State Inspections.

#### 92C.2000 Inspection Procedures

Clean, scrape, hit, measure, etc.  
use access equipment

#### 92C.3000 Special Equipment Required

Probes, wire brush, hammer, magnifying glass, light, etc.

#### 92C.4000 Inspection Findings

1. OK - some past cracks in Tie Chords
2. OK - see 1992 Detailed Inspection Report
3. OK
4. OK
5. OK
6. OK

#### 92C.5000 Followup Action Taken

#### Actions Taken and Dates

1. Monitor - Reinspect selected areas
2. Monitor
3. Monitor
4. Monitor
5. Monitor
6. Monitor
7. Safety guides added in 1997.

#### Programmed Contract Work

Items/Issues to Check on Biennial Inspections

Do any items require a deficiency report? Yes

**THINK SAFETY FIRST**

## NOTES REPORT

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

Date: 08/17/2004

Item: 092A & C

By: WTD

Comment:

Chris Bucher & Bill Dittrich from the Central Office Bridge Inspection Unit stopped at this bridge on 8/17/2004, to check on the progress of URS Consulting Engineers on their Arms-Length Inspection of the Tie Chords of the two Main Spans of this bridge. The Consultants had nearly finished their initial walk over inspection of the Tie Chords of the western span. In addition, their NDT sub-Consultant had finished testing several panel lengths of the west end of the upstream Tie Chord, of the western main span.

Chris & Bill checked (from the cat-walk), the "Main River Channel Pier" that had been hit by a barge on the night of August 4th, 2004. There was no significant damage to the concrete of the Pier. It appeared that there was a lot of white paint residue from the barge on the concrete of the pier at the point of impact (+- 10 feet above the water line).

URS started their current inspection on this bridge on 8-16-2004, and plan to be finished by 8-27-2004.

---

Date: 04/23/2005

Item: PLANS

By: WTD

Comment:

NOTE: I-64 is an East-West Road, but this section of the road orientated more in a north-south direction. The Design Plans for this bridge show Pier #1 on the Kentucky side of the Ohio River, or the East side of the bridge.

Inspectors should follow the numbering system on the plans when identifying bridge elements, to avoid confusion, but keep in mind at times people may miss identify an element due to the orientation of the bridge.

---

THINK SAFETY FIRST

## NOTES REPORT

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

Date: 11/27/2005

Item: In-Ky Insp

By: WTD

**Comment:**

The Bi-State Inspection was held on 9-26-2005, between INDOT and KYTC personnel.

**Those present were:**

Darrell Dudgeon	KYTC -- Central Office
Carl Van Zee	KYTC -- Central Office
Ron Beckort	KYTC -- District #5
Tom Wright	KYTC -- District #5
Chris Everman	INDOT -- Seymour District
Mark Wolfe	INDOT -- Seymour District
Darwin Hagerdon	INDOT -- Falls City Subdistrict
Bill Dittrich	INDOT -- Central Office
Chris Bucher	INDOT -- Central Office
Todd Shields	INDOT -- Central Office
Dallas Montgomery	URS

**I64-103-4691C Main Bridge**

The Wearing Surface looked OK, on the Lower Deck Level, with some longitudinal and transverse cracks. The Wearing Surface also looked OK on the Upper Deck Level, however there were a couple of localized spalls.

The Bridge Joints were mostly in fair condition on the lower deck level, however, the steel members underneath the joints on the Deck Trusses were very badly rusted. There were areas of cracked concrete around several Pave Tec Joints in the center lane of the Tied Arch spans. At point #15 of the Tied Arch spans, the asphalt of the Pave Tec Joint was gone in a section of the center lane, allowing water to leak through. At point #0 of the Tied Arch spans, the asphalt of the Pave Tec Joint had transverse cracks across all lanes.

The underside of the concrete deck of the lower deck level, of the Steel Deck Truss looked good. The underside of the concrete deck of the upper deck level, of the Steel Deck Truss looked to be in fair condition, with some spalls with exposed and corroded rebars.

The Bridge Joints were mostly in fair condition on the upper deck level, however, the steel members underneath the joints on both the Tied Arch and the Deck Trusses were very badly rusted. The rubber joint seal in the Bridge Joints at the mid-span of both Tied Arch Spans had broken or pulled-out rubber seals.

The paint on the bearings, beams and girders, etc., is in poor condition. The floor beams and stringer ends under Bridge Joints are badly rusted and corroded through-out all spans of the bridge.

There was medium to large sized rip rap on the Indiana bank, around the Bridge Pier under the Steel Deck Truss.

**THINK SAFETY FIRST**

## NOTES REPORT

NBI Number: 34520  
Facility Carried: I-64

Bridge Number: I64-103-04691 C  
Feature(s) Intersected: OHIO RIVER & WATER STEET

Date: 11/25/2006

Item: Permits

By: WTD

**Comment:**

Due to the crack that developed in the I-70 WBL Bridge over the Wabash River, that was found in May, 2006, a Restriction List of Steel Bridges with Special Details that may be subject to fatigue or fractures has been developed by INDOT's Bridge Inspection Engineer and reviewed by INDOT's District Bridge Inspection Engineers for completeness.

This bridge is one of the bridges on the Restriction List. The main details that this bridge has that caused it to be on this list are: STEEL TIED ACHES WITH TIE-CHORDS AND STEEL GUSSETT PLATES WELDED TO THE TIE CHORDS, WITH LATERAL BRACES ATTACHED TO THE GUSSETT PLATES, AND STEEL GUSSETT PLATES WELDED TO THE GIRDER WEBS, WITH LATERAL BRACES ATTACHED TO THE GUSSETT PLATES. This note has been added to the Bridge Inspection Report, and Bridge Item #501.04 Overload Data has been coded as = 4 = NO Over Load Vehicles Allowed, and Bridge Item #501.05 Load Restriction has been coded as = 3 = YES, Combination of slowing down and positioning the vehicle when crossing the bridge.

For OVERWEIGHT Permitted Vehicles we shall use the following guidelines on this bridge until further notice.

1. Vehicles under 200,000 pounds with permits issued by Indiana Department of Revenue shall be allowed to cross over this bridge without any restrictions, however, the date the vehicle crossed the bridge, the weight of the vehicle, and the Permit Number, shall be recorded and reported to INDOT's Permit section.

2. Vehicles over 200,000 pounds, but less than 300,000 pounds, with permits issued by INDOT's Central Office Permit Section shall be allowed with restrictions of: 1. Driving down the center of the bridge, and 2. Traveling at 10 mph. The date the vehicle crossed the bridge, the weight of the vehicle, and the Permit Number shall be recorded.

3. Vehicles over 300,000 pounds shall be evaluated on a case-by-case basis, by INDOT's Bridge Inspection Engineer along with the INDOT's Central Office Permit Section. For these vehicles a District Bridge Inspector may be required to be on site for the move to evaluate the affects the load had on the bridge. The date the vehicle crossed the bridge, the weight of the vehicle, and the Permit Number shall be recorded.

The reason for keeping track of the permitted vehicles that cross over this bridge is to be able to track down what may have caused any defects that may be found on future Arm's Length Inspections of the Special Details on this bridge.

---

Date: 12/05/2007

Item: 92A & C

By: Chris Everman

**Comment:**

Was inspected by URS and Palmer Engineering. See the bridge inspection report from URS for details.

---

THINK SAFETY FIRST