

# Bridge Inspection Report

02872

SH 77-02- LM 6.76

over

LITTLE RIVER



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/01/2015
(8) STRUCTURE NUMBER	02872	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 77 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 093	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE RIVER	C. OTHER SPECIAL	Y 24 10/11/2016
(7) FACILITY CARRIED	SH 77-02- LM 6.76		
(9) LOCATION	0.05 MI S JCT OF SH 158		
(11) MILEPOINT 6.760	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.77783	(17) LONGITUDE -90.17810		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE	4 (60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	5 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1954	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	45.0
(29) AVERAGE DAILY TRAFFIC 1700	(19) BYPASS DETOUR LENGTH 13	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	27.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 40	(49) STRUCTURE LENGTH (ft.) 202	(67) STRUCTURAL EVALUATION	4
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.7	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 45	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	24.9	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	1 STATUS 43.4
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 2074	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	5825	sq. ft.	4390	0	1435	0
	<p>Several areas of concrete curbs are deteriorated with section loss and some rebar exposed.</p> <p>Top of Deck Asphalt Overlay has minor size and density sealable cracks with some impending spalls. Span 3 left lane has a 2ft. x 3ft. broken patch/ impending spall, see 2015 photo.</p> <p>Top of Deck has some concrete and asphalt patches.</p> <p>Top of Deck left &amp; right Gutter lines have areas of scaling, see 2015 photo.</p> <p>Top of Deck left Gutter line Span 3 has a 2.5 ft. x 10ft. x 2 in. deep deterioration and spalled out area.</p> <p>Top of Deck left Gutter line Span 4 has a 2.5 ft. x 4ft. x 2 in. deep deterioration and spalled out area.</p> <p>Top of Deck left Gutter line Span 5 has a 2.5 ft. x 20ft. x 2 in. deep deterioration with spalled out area.</p> <p>Left and right Overhangs have some spalled areas with rebar exposed, see 2015 photo of the right side of Span 4 at drain hole for typical.</p> <p>Bottom of Deck has some cracking with efflorescence.</p>						
1080 - Delamination/Spall/Patched Area		485				485	
1090 - Exposed Rebar		15				15	
1120 - Efflorescence/Rust Staining		935				935	
510 - Wearing Surfaces		4099	sq. ft.	2424	1656	19	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		19				19	
3220 - Crack (Wearing Surface)		1656			1656		

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## Element Inspection

107 - Steel Open Girder/Beam	1- Ben.	1000	ft.	635	125	240	0
<p>All Steel Girders are rusted with pitting and 4ft. on ends of Girders have up to 1/4in. section loss to web and bottom flange.</p> <p>Exterior Girders are rusted with pitting and up to 1/4 in section loss to mostly top and bottom flanges, see 2015 photo of Span 3 Girder 5 for typical.</p> <p>LIST OF GIRDERS THAT HAVE HOLES RUSTED THRU WEB &amp; FLANGE OF GIRDERS:</p> <p>Span 1 Girder 3 Bent 1 has 5in. x 3/4in. hole at Haunch, see 2015 photo.</p> <p>Span 1 Girder 5 Bent 1 has 5in. x 1 1/2in. hole at Haunch, see 2015 photo.</p> <p>Span 1 Girder 3 Bent 2 has 1in. diameter hole at Haunch, see 2015 photo.</p> <p>Span 2 Girder 2 Bent 2 has 1in. x 1/2in. hole at Haunch and a 1 1/2in. x 2in. hole in left flange, see 2015 photo.</p> <p>Span 2 Girder 4 Bent 2 has 3 1/4in. x 1/2in. hole at Haunch, see 2015 photo.</p> <p>Span 2 Girder 2 Bent 3 has 2in. x 1/2in. hole at Haunch, see 2015 photo.</p> <p>Span 3 Girder 2 Bent 4 has 1in. x 1/2in. hole at Haunch, see 2015 photo.</p> <p>Span 3 Girder 3 Bent 4 has 3holes up to 1in. diameter at Haunch and 2 holes near the bearing on right flange 2in. x 1, see 2015 photo.</p> <p>Span 3 Girder 4 Bent 4 has 5in. x 3/4in. hole at Haunch, see 2015 photo.</p> <p>Span 4 Girder 3 Bent 4 has 5in. x 1in. hole at Haunch, see 2015 photo.</p> <p>Span 4 Girder 4 Bent 4 has 1in.x 6in. hole at Haunch, see 2015 photo.</p> <p>Span 5 Girder 4 Bent 5 has 1 1/2in.x 1/2in. hole at Haunch, see 2015 photo.</p> <p>Span 5 Girder 3 Bent 6 has a 3in. x 3/4in. hole in web at concrete haunch, see 2015 photo.</p> <p>Span 5 Girder 4 Bent 6 has a 2in. x 6in. hole in left flange near bearing, see 2015 photo.</p>							
1000 - Corrosion		365			125	240	
515 - Steel Protective Coating		7525	sq. ft.	0	0	5700	1825
3440 - Effectiveness (Steel Protective Coatings)		7525				5700	1825
215 - Reinforced Concrete Abutment	1- Ben.	93	ft.	39	0	54	0
<p>Heavy Slope Erosion and undermining of Bent 1 Abutment, up to 3 ft. deep x up to 2 ft. back under Cap has exposed piling, see 2015 photo.</p> <p>Heavy slope erosion from roadway runoff has undermined left side of Bent 6 Abutment, 2 ft. deep and 2 ft. back under, exposing piling, see 2015 photo.</p> <p>Bent 6 Cap Abutment has the left end of cap deteriorated under Bearing 1 with 1in. of loss of bearing, see 2015 photo.</p>							
6000 - Scour		54				54	
227 - Reinforced Concrete Pile	1- Ben.	20	each	18	0	2	0
<p>Top 3ft. of Bent 3 Pile 4 has some cracking visible.</p> <p>Top 10ft. of Bent 3 Pile 5 has moderate cracking with efflorescence visible, see 2015 photo.</p>							
1120 - Efflorescence/Rust Staining		1				1	

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## Element Inspection

1130 - Cracking (RC and Other)		1				1	
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	136	ft.	87	0	49	0
Concrete Caps have several small shelled out areas with some expose rebar, inadequate coverage due to steel placement. Left end of Bent 2 Cap has a 2ft. x 6in. shelled out with exposed rebar and a 2ft. x 4in. spall with rebar exposed at Pile 4 and 2ft. of deterioration near Girder 5, see 2015 photo of left end. Bent 3 Cap has heavy deterioration and cracking with about 10ft. of rebar exposed due to lack of steel coverage, see 2015 photo. Left end of Top of Cap Bent 4 between Girders 1&2 is spalled up to 2in. deep. Right end of Cap Bent 4 is spalled at the top and bottom of cap with some rebar exposed to bottom of cap. Bent 5 Cap has 6ft. of cracking/ impending spalls.							
1080 - Delamination/Spall/Patched Area		4				4	
1090 - Exposed Rebar		20				20	
1120 - Efflorescence/Rust Staining		2				2	
1130 - Cracking (RC and Other)		23				23	
<b>304 - Open Expansion Joint</b>	1- Ben.	243	ft.	243			
All Open Joint angle iron is rusting with initial section loss, only 3 to 4 foot of joint visible due to asphalt overlay.							
<b>311 - Movable Bearing</b>	1- Ben.	25	each	0	0	25	0
Majority of Bearings are rust covered with some section loss, see 2015 photos. Majority of Anchor Bolts have heavy section loss with a few having complete section loss.							
1000 - Corrosion		25				25	
<b>313 - Fixed Bearing</b>	1- Ben.	25	each	0	0	25	0
Majority of Bearings are rust covered with some section loss, see 2015 photos. Majority of Anchor Bolts have heavy section loss with a few having complete section loss.							
1000 - Corrosion		25				25	
<b>333 - Other Bridge Railing</b>	1- Ben.	406	ft.	337	0	69	0
Several Concrete Bridge Rail Posts are cracked with some of them spalled with rebar exposed.							
1220 - Deterioration (Other)		69				69	

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## Bridge Inspection Report

### Pictures



Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

##### LIST OF GIRDERS THAT HAVE HOLES RUSTED THRU WEB & FLANGE OF GIRDERS:

Span 1 Girder 3 Bent 1 has 5in. x 3/4in. hole in web at Haunch, see 2015 photo.

Span 1 Girder 5 Bent 1 has 5in. x 1 1/2in. hole in web at Haunch, see 2015 photo.

Span 1 Girder 3 Bent 2 has 1in. diameter hole in web at Haunch, see 2015 photo.

Span 2 Girder 2 Bent 2 has 1in. x 1/2in. hole in web at Haunch and a 1 1/2in. x 2in. hole in left flange, see 2015 photo.

Span 2 Girder 4 Bent 2 has 3 1/2in. x 1/2in. hole in web at Haunch, see 2015 photo.

Span 2 Girder 5 Bent 2 has 5in.x 1in. area of holes (3 each 1in. diameter) in web at Haunch, see 2016 photo.

Span 2 Girder 5 has 20LF of rust with up to 1/8in section loss.

Span 2 Girder 2 Bent 3 has 5in. x 1/2in. hole in web at Haunch, see 2016 photo.

Span 3 Girder 2 Bent 4 has 1in. x 1/2in. hole in web at Haunch, see 2015 photo.

Span 3 Girder 3 Bent 4 has 7in. x 3/4 in. in web at Haunch and 2in. x 1in. hole near the bearing on right flange, see 2016 photo, and the left bottom flange beginning to get a knife edge.

Span 3 Girder 4 Bent 4 has 6in. x 3/4in. hole in web at Haunch, see 2015 photo & 2016.

Span 3 Girder 5 has 10LF of rust with up to 1/8in section loss.

Span 4 Girder 2 Bent 4 has 2in.x 1/2in. hole in web at Haunch, see 2016 photo.

Span 4 Girder 3 Bent 4 has 5in. x 1in. hole in web at Haunch, see 2015 photo.

Span 4 Girder 4 Bent 4 has 7in.x 1in. hole in web at Haunch, see 2016 photo.

Span 4 Girder 3 Bent 5 bottom flange, right side near bearing has a 2in diameter hole, see 2016 photo.

Span 5 Girder 4 Bent 5 has 1 1/2in.x 1/2in. hole in web at Haunch, see 2015 photo.

Span 5 Girder 5 Bent 5 has a 1/2in. diameter hole in web at Haunch, see 2016 photo.

Span 5 Girder 2 Bent 6 has 3in.x 1/2in. hole in web at Haunch, see 2015 photo.

Span 5 Girder 3 Bent 6 has a 3in. x 3/4in. hole in web at concrete haunch, see 2015 photo.

Span 5 Girder 4 Bent 6 has a 1in. diameter hole in web at Haunch and the left flange near bearing has a 3in. x 7in. hole and the right flange has a knife edge with a 1in. hole, see 2016 photos.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Open



Inspector:

Inspection Date:

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Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs



PHOTO 1      Description      02872 10-01-2015 Span 1 Girder 3 over Bent 1.

**Stage: Monitor**



PHOTO 2      Description

**Stage: Monitor**



PHOTO 3      Description

**Stage: Monitor**



PHOTO 4      Description

Inspector:

Inspection Date:

Structure Number: 02872

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 6 Description

Stage: Monitor



PHOTO 7 Description

Stage: Monitor



PHOTO 8 Description

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 9 Description

Stage: Monitor



PHOTO 10 Description

Stage: Monitor



PHOTO 11 Description

Stage: Monitor



PHOTO 12 Description

Inspector:

Inspection Date:

Structure Number: 02872

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 13 Description 02872 10-01-2015 Span 1 Girder 3 over Bent 2.

Stage: Open



PHOTO 14 Description 02872 10-01-2015 Span 1 Girder 5 over Bent 1.

Stage: Open



PHOTO 15 Description 02872 10-01-2015 Span 2 Girder 2 over bent 2 bottom flange.

Stage: Open



PHOTO 16 Description 02872 10-01-2015 Span 2 Girder 2 over bent 2.

Inspector:

Inspection Date:

Structure Number: 02872

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 17 Description 02872 10-01-2015 Span 2 Girder 2 over Bent 3.

Stage: Open



PHOTO 18 Description 02872 10-01-2015 Span 2 Girder 4 over Bent 2.

Stage: Open



PHOTO 19 Description 02872 10-01-2015 Span 3 & 4 Girder 4 over Bent 4.

Stage: Open



PHOTO 20 Description 02872 10-01-2015 Span 3 Girder 2 over Bent 4.

Inspector:

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 21 Description 02872 10-01-2015 Span 3 Girder 3 over Bent 4 Bottom Flange.

Stage: Open



PHOTO 22 Description 02872 10-01-2015 Span 3 Girder 3 over Bent 4

Stage: Open



PHOTO 23 Description 02872 10-01-2015 Span 5 Girder 3 over Bent 6.

Stage: Open



PHOTO 24 Description 02872 10-01-2015 Span 5 Girder 4 over bent 6 left bottom flange.

Inspector:

Inspection Date:

Structure Number: 02872

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 25    Description    02872 10-01-2015 Span 5 Girder 5  
over Bent 5.

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

Majority of Bearings are rust covered with some section loss, see 2015 photos.

Majority of Anchor Bolts have heavy section loss with a few having complete section loss.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Span 5 Girder 1 bearing @ bent 6.

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

All Steel Girders are rusted with pitting and 4ft. on ends of Girders have up to 1/4in. section loss to web and bottom flange.

Exterior Girders are rusted with pitting and up to 1/4 in section loss to mostly top and bottom flanges, see 2015 photo of Span 3 Girder 5 for typical.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Span 3 Girder 5.

**Inspector:**

**Structure Number:** 02872

**Inspection Date:**

**Facility Carried:** SH 77-02- LM 6.76

**Bridge Inspection Report**

**Maintenance Needs**

**Date Reported:** 10/18/2012 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

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**Deficiency Description:**

Concrete Caps

Have several small shelled out areas with some expose rebar, inadequate coverage due to steel placement.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Top of Deck Asphalt Overlay has minor size and density sealable cracks with some impending spalls. Span 3 left lane has a 2ft. x 3ft. broken patch/ impending spall, see 2015 photo.

Top of Deck has some concrete and asphalt patches.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Span 3 Left gutterline.

Stage: Monitor



PHOTO 2      Description      02872 10-01-2015 Bent 3 joint spalls.

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Top 3ft. of Bent 3 Pile 4 has some cracking visible.

Top 10ft. of Bent 3 Pile 5 has moderate cracking with efflorescence visible, see 2015 photo.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Bent 3 Pile 5.

Inspector:

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

---

### Deficiency Description:

Top of Deck left & right Gutter lines have areas of scaling, see 2015 photo.

Top of Deck left Gutter line Span 3 has a 2.5 ft. x 10ft. x 2 in. deep deterioration and spalled out area.

Top of Deck left Gutter line Span 4 has a 2.5 ft. x 4ft. x 2 in. deep deterioration and spalled out area.

Top of Deck left Gutter line Span 5 has a 2.5 ft. x 20ft. x 2 in. deep deterioration with spalled out area.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      02872 10-01-2015 Span 5 Left gutterline & left lane.

Stage: Open



PHOTO 2      Description      02872 10-01-2015 Span 3 Left gutterline.

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

Bent 1 Abutment Erosion

Heavy Slope Erosion and undermining of Bent 1 Abutment, 2 ft. deep x 2 ft. back under Cap has exposed piling, see 2012 photo.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Bent 1 Abutment  
Right end

**Inspector:**

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**Inspection Date:**

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## Bridge Inspection Report

### Maintenance Needs

**Date Reported:** 10/18/2012 12:00:00 AM

**Priority:** C - Important

**Work Code:**

---

#### Deficiency Description:

Bent 6 Abutment Erosion

Heavy slope erosion from roadway runoff has undermined left side of Bent 6 Abutment, 2 ft. deep and 2 ft. back under, exposing piling, see 2012 photo.

#### Work Description:

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**Date Repairs Completed:**

**Maintenance Comments:**

---

**Stage:** Monitor



PHOTO 1      Description      02872 10-01-2015 Bent 6 Left end

**Inspector:**

**Structure Number:** 02872

**Inspection Date:**

**Facility Carried:** SH 77-02- LM 6.76

### Bridge Inspection Report

#### Maintenance Needs

**Date Reported:** 10/8/2014 12:00:00 AM

**Priority:** C - Important

**Work Code:**

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**Deficiency Description:**

Several Concrete Bridge Rail Posts  
Are cracked with some of them spalled with rebar exposed.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/8/2014 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Left and right Overhangs have some spalled areas with rebar exposed, see 2015 photo of the right side of Span 4 at drain hole for typical.

Bottom of Deck has some cracking with efflorescence.

All Open Joint angle iron is rusting with initial section loss, only 3 to 4 foot of joint visible due to asphalt overlay.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      02872 10-01-2015 Span 4 right side first drain.

Stage: Monitor



PHOTO 2      Description      02872 10-01-2015 Span 5 Bay 1 @ bent 6.

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/8/2014 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Left end of Bent 2 Cap has a 2ft. x 6in. shelled out with exposed rebar and a 2ft. x 4in. spall with rebar exposed at Pile 4 and 2ft. of deterioration near Girder 5, see 2015 photo of left end.

Bent 3 Cap has heavy deterioration and cracking with about 10ft. of rebar exposed due to lack of steel coverage, see 2015 photo.

Left end of Top of Cap Bent 4 between Girders 1&2 is spalled up to 2in. deep.

Right end of Cap Bent 4 is spalled at the top and bottom of cap with some rebar exposed to bottom of cap.

Bent 5 Cap has 6ft. of cracking/ impending spalls.

Bent 6 Cap Abutment has the left end of cap deteriorated under Bearing 1 with 1in. of loss of bearing, see 2015 photo.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1 Description 02872 10-01-2015 Bent 2 Cap Left end

Stage: Open



PHOTO 2 Description 02872 10-01-2015 Bent 3 Cap Span 3 Side.

Inspector:

Inspection Date:

Structure Number: 02872

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 3      Description      02872 10-01-2015 Span 5 Girder 1 bearing @ bent 6.

Inspector:

Structure Number: 02872

Inspection Date:

Facility Carried: SH 77-02- LM 6.76

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/01/2015

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Several areas of concrete curbs are deteriorated with section loss and some rebar exposed.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      02872 10-01-2015 Span 5 left curb.