

# Bridge Inspection Report

05211  
US 79B  
over  
ARKANSAS RIVER



Inspection Date:



Inspected By:

Inspection Type(s):

Inspector:

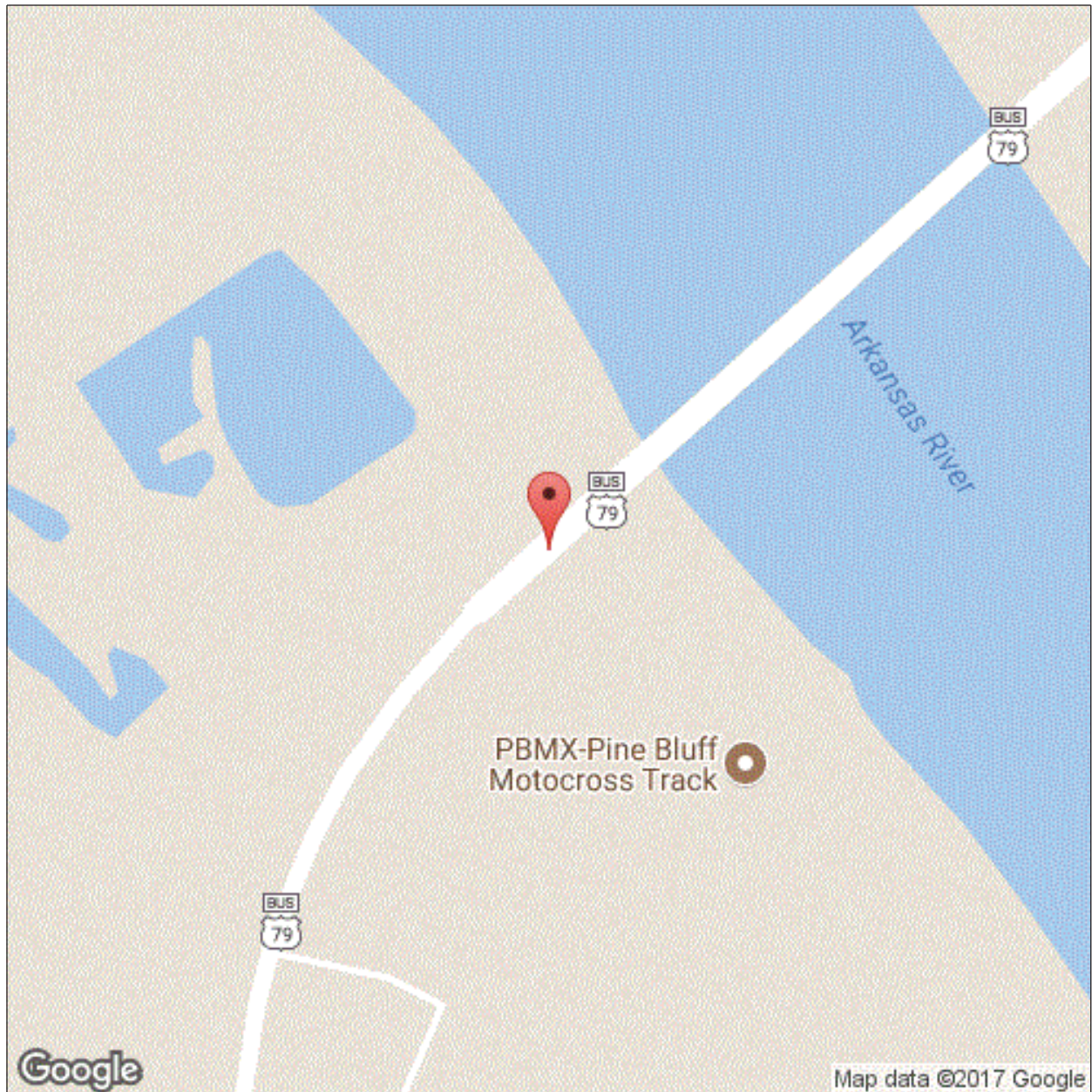
Structure Number: 05211

Inspection Date:

Facility Carried: US 79B

## Bridge Inspection Report

### Location Map



Latitude: 34.287430

Longitude: -91.999947



Inspector:

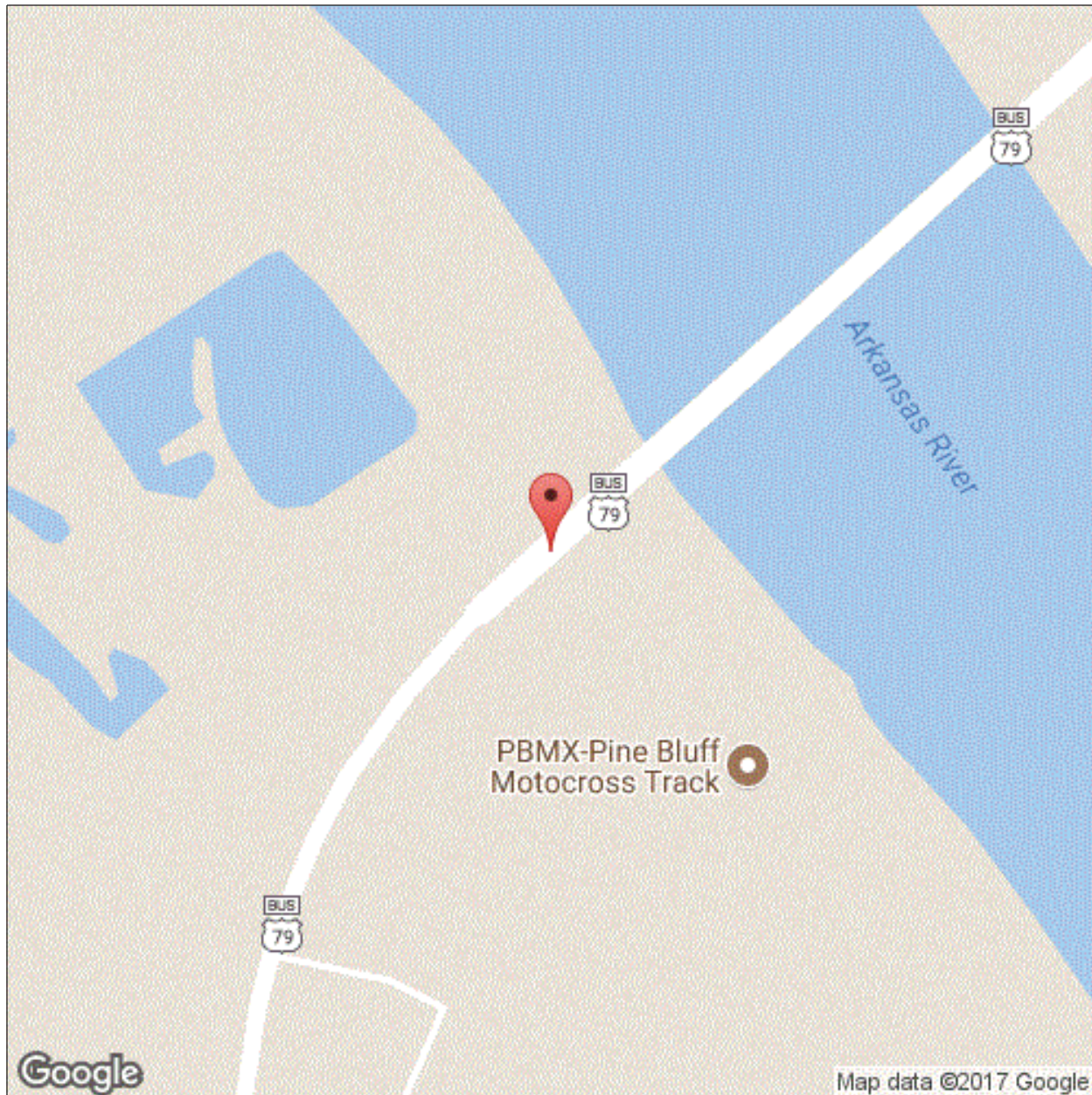
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## Bridge Inspection Report

### Location Map



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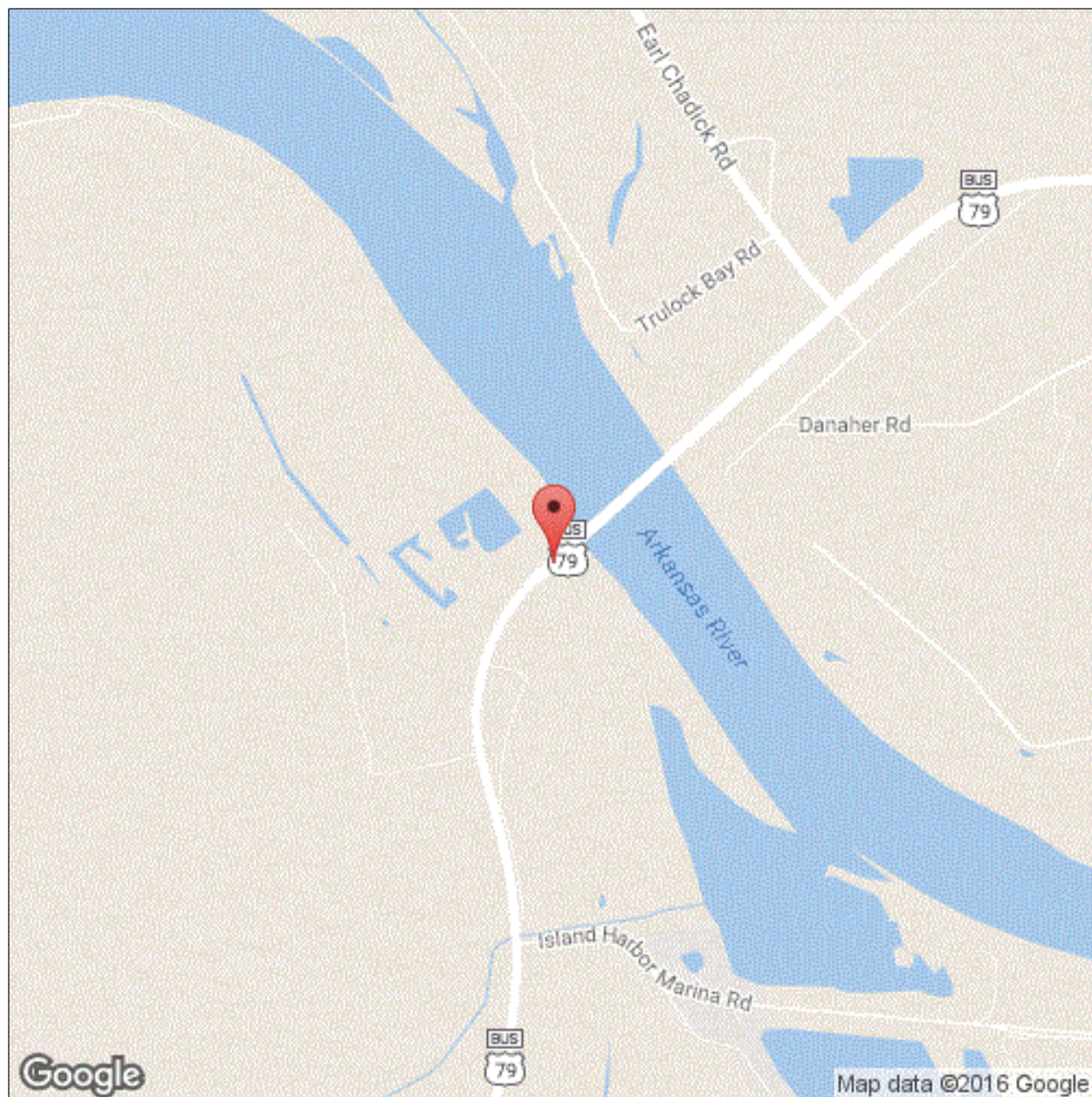
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### Location Map



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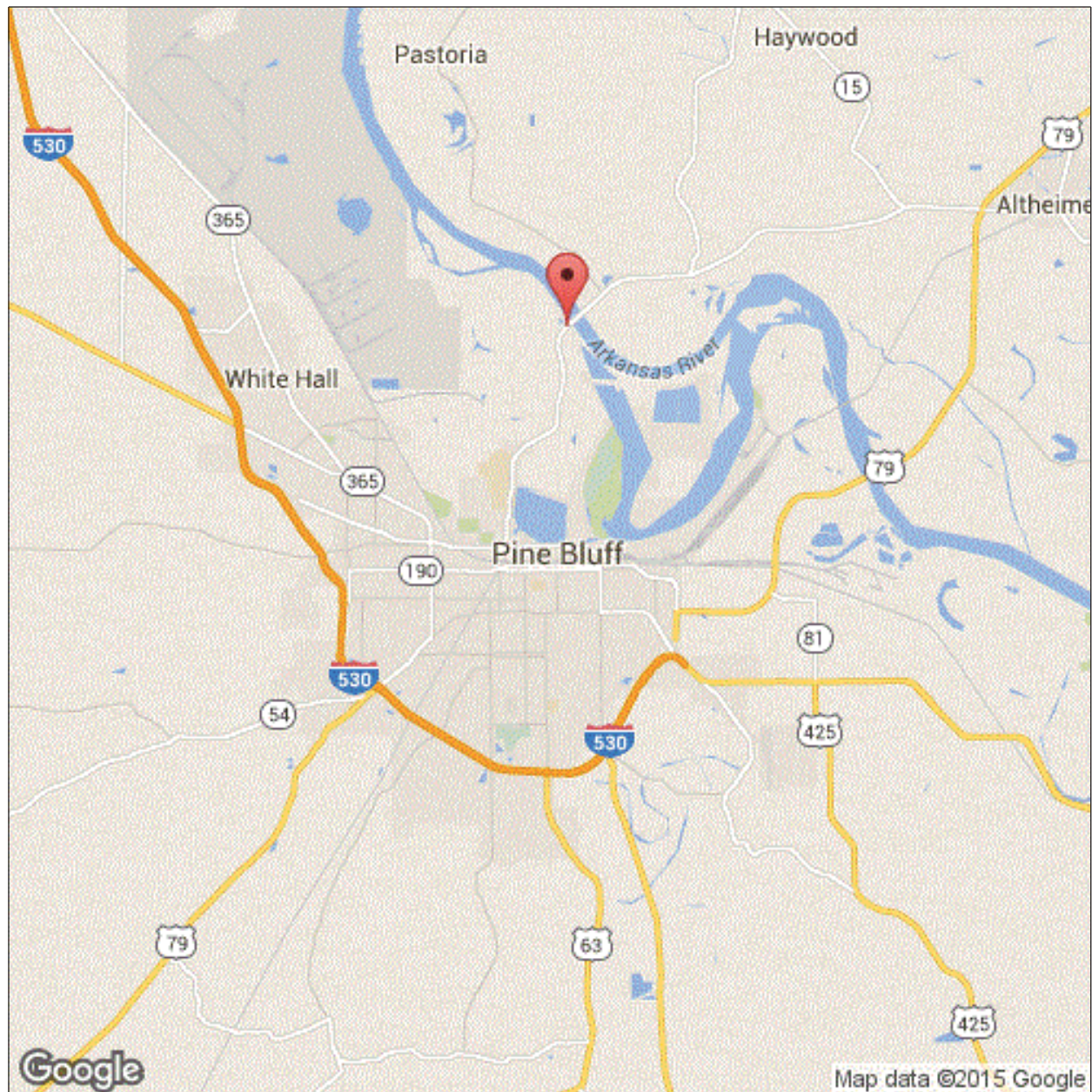
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## Bridge Inspection Report

### Location Map



Latitude: 34.287430

Longitude: -91.999947

Inspector:

Structure Number: 05211

Inspection Date:

Facility Carried: US 79B

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/26/2011 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

##### GIRDERS:

Span 3, G3: Paint peeling from the web. Scattered throughout bridge.

Span 5, G4: First field splice ahead of Pier 4 has one bolt missing.

Span 5, G4: Paint peeling from the web. Scattered throughout bridge.

Pier 7, G3 & G4, Ahd: Active corrosion and pack rust forming on top flange of girder ahead of finger joint.

Pier 8, G1: Horizontal stiffener bent and deformed ahead and back of the pier.

Abut. 2, G4: Paint peeling from the web of girder.

Active corrosion to the top flange in scattered locations throughout the bridge at cold joint locations in the deck.

Girders 2 & 3: Heavy pigeon dung on the bottom flanges in scattered locations at the catwalk.

All field splices have minor pack rust.

Added on 10/02/13, TJB

Span 2: Girders have smoke stains.

Span 3, G4, 4' Bk. of P4: 2 holes drilled through web of girder. Lower hole is in weld of vertical stiffener.

MFF & KRM 10/06/2016 - Span 4 girder 1 bottom flange has a damaged area located approximately 45 feet from per 3. see photo. All maintenance items still exist at this inspection no apparent noteworthy change since last inspection.

MFF & APW - 10-16-2017 - All maintenance items still exist at this inspection no apparent noteworthy change since last inspection.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Monitor





Inspector:

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## Bridge Inspection Report

### Maintenance Needs



PHOTO 1 Description Span 4 girder 1 45' from pier 3 damaged areas in bottom flange.

Stage: Monitor



PHOTO 2 Description Span 6, Girder 2: Active corrosion to top flange.

Stage: Monitor



PHOTO 3 Description Span 4, Girder 1, First Splice Plate ahead of pier 3: Active corrosion to bottom flange splice plate juncture. Typical with all splice plates on exterior girders.

Stage: Monitor



PHOTO 4 Description Span 5 girder 4 peeling paint.

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 10/26/2011 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

UTILITIES:

Several hangers missing on three phase power line along the side of Girder 3.

Added on 10/28/2014

Span 10, G2: 4" fiber optic conduit is separated.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Inspector:

Structure Number: 05211

Inspection Date:

Facility Carried: US 79B

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

CAPS:

Minor vertical hairline cracks in all caps.

Pier 3, Bk: Efflorescence cracking on the Rt. end of the cap. Vertical and 45 degree cracks in cap.

Pier 5, G1, Lt: Scale on top of cap.

Pier 6, Rt: Vertical crack in cap. Shallow spalls with rebar exposed on back face.

Pier 7, Lt: Vertical crack in end of cap. Light scale on cap, Ahd & Bk.

Pier 7, Rt: Vertical crack in cap. Shallow spalls with rebar exposed on back face.

Pier 8: Efflorescence cracking on face of cap.

Pier 9: Map cracking on face of cap.

Debris on cap at centerline under finger joints.

MFF & KRM 10/06/2016 - maintenance needs still exist at this inspection.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Pier 7 dirt and debris on cap between girder 2 and 3..

Inspector:

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### Bridge Inspection Report

## Maintenance Needs

**Date Reported:** 10/17/2012 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

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### Deficiency Description:

CONCRETE / METAL COMBINATION BRIDGE RAIL:

Minor cracks and spalls. Several small spalls on top from collisions.

Minor spall on the Rt. curb at the finger joint assemblies.

Minor collision damage scattered throughout.

Added on 10/28/2014 TDD

Abut. 1: Bridge rail has minor collision damage.

MEDIAN WALL:

Span 1: Median wall fence has one missing a post.

Span 1: Median wall fence has two broken posts.

Minor cracks and spalls scattered throughout.

MFF & KRM 10/06/2016 - maintenance item still exist, no apparent noteworthy change since last inspection.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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**Date Reported:** 10/17/2012 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

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### Deficiency Description:

FINGERJOINTS:

Pier 7, South bound: Slide plate on median wall is missing.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

##### STRINGERS:

Minor section loss to the bottom flange at finger joints.

Pier 3, Str. 4, Bk: Active corrosion and section loss to end of stringer. Holes corroded through stringer diaphragm.

Pier 3, Str. 5, Ahd & Bk: Active corrosion and section loss to end of stringer.

Pier 3, Str. 6, Bk: Top and bottom flange corroded with pack rust forming.

Pier 7, Str. 4, Ahd: Active corrosion and section loss to end of stringer.

Updated 10/29/2015 CDD

Span 3 stringer 4: active corrosion with severe section loss and holes in the web of the stringer and the diaphragm. (Photo Attached)

Pier 3 ahd, stringer 4 rt.: active corrosion with severe section loss to the lower web and flange and hole in the upper web near the haunch. (Photo Attached)

Pier 3 ahd, stringer 5 rt.: Severe section loss with holes in the web near the haunch. (Photo Attached)

Pier 3 ahd, stringer 6 lt.: Severe section loss up to 3/8" to the upper web near the haunch. (Photo Attached)

Pier 10 Bk, stringer 4 rt.: Severe section loss up to 3/8" to the top of the lower flange under the diaphragm. (Photo Attached)

Pier 10 Ahd, stringer 2: 1/4" pitting to the bottom of the bottom flange near the floor beam. (Photo Attached)

##### FLOORBEAMS:

Bottom of the FBT's have active corrosion and pack rust at the lateral brace gusset plates. Typical condition at joints.

MFF & KRM 10/06/2016 - maintenance item still exist, no apparent noteworthy change since last inspection. With the exception bent 4 stringer 1 has two sheared bolts to floor beam connection.

MFF & APW - 10-16-2017 - All maintenance items still exist at this inspection no apparent noteworthy change since last inspection.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



Inspector:

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## Bridge Inspection Report

### Maintenance Needs



PHOTO 1 Description Span 3 stringer 4: active corrosion with severe section loss and holes in the web of the stringer and the diaphragm.

### Stage: Monitor



PHOTO 2 Description Pier 3 stringer 4 right side hole rusted through web with up to 1/4 inch section loss to bottom flange and web

### Stage: Monitor



PHOTO 3 Description

### Stage: Monitor



PHOTO 4 Description



Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 7 Description Bottom of the bottom flange.

Stage: Monitor



PHOTO 6 Description 3/8" section loss to the bottom flange.

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**Bridge Inspection Report**

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**Deficiency Description:**

ABUTMENTS:

Abut. 1: 4 efflorescence vertical cracks. Head wall has minor collision damage.

Abut. 2: 6 efflorescence vertical cracks.

MFF & KRM 10/06/2016 - maintenance item still exist, no apparent noteworthy change since last inspection.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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