

Bridge Inspection Report

01889
US 412-07- LM 3.04
over
KELLOW CANAL



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

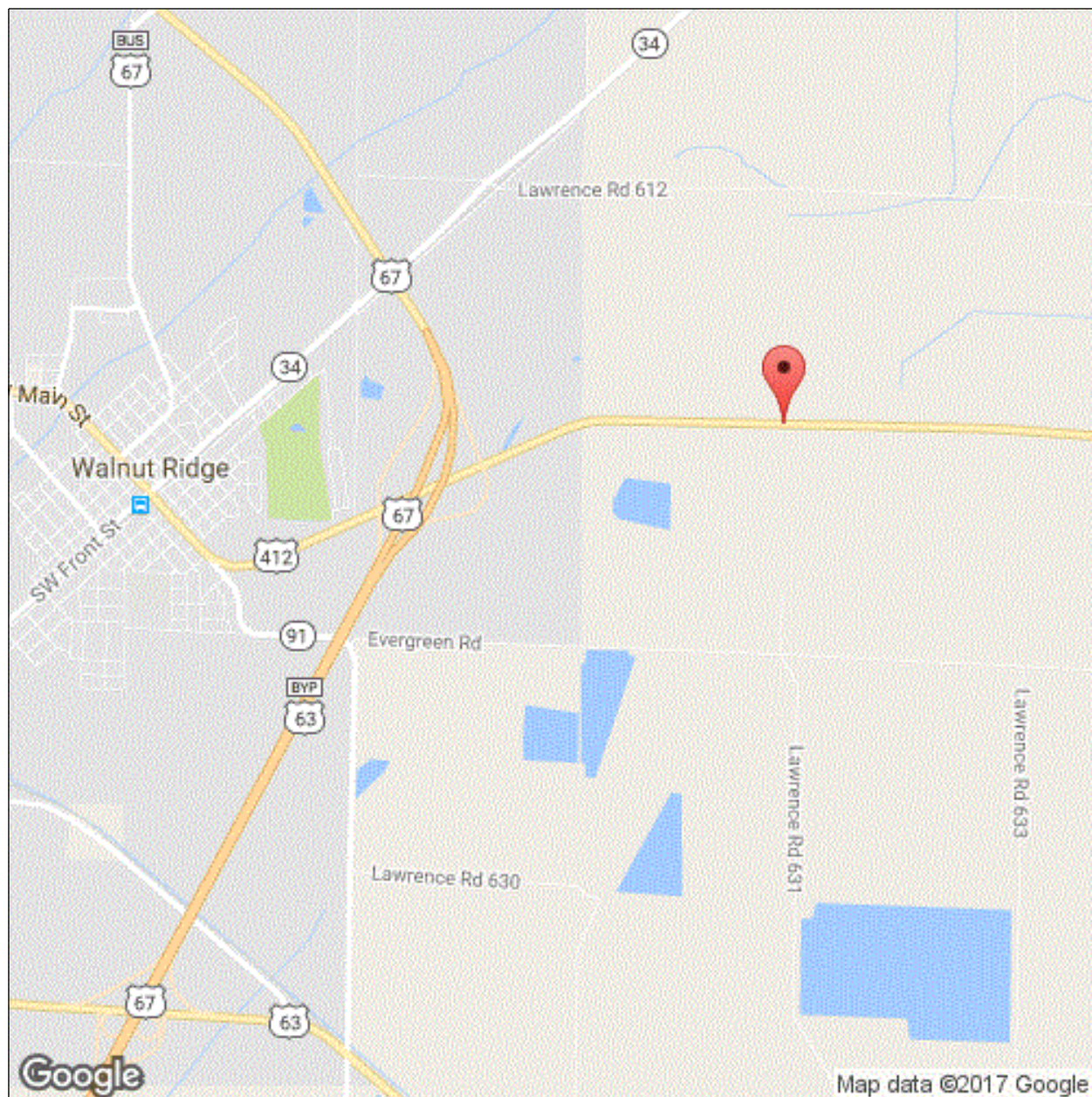
Structure Number: 01889

Inspection Date:

Facility Carried: US 412-07- LM 3.04

Bridge Inspection Report

Location Map



Latitude: 36.07267601686169

Longitude: -90.90583631481593

Inspector:

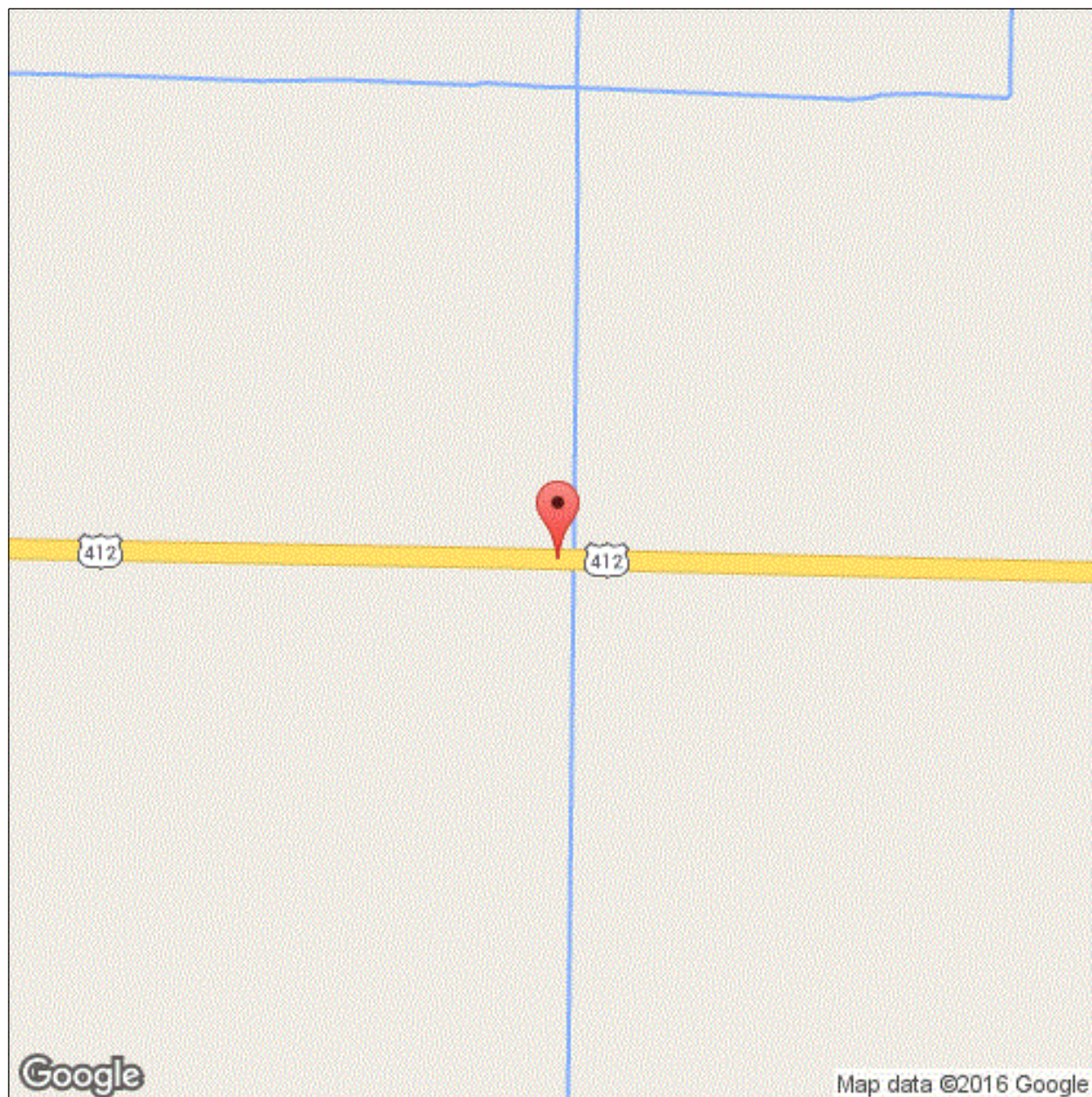
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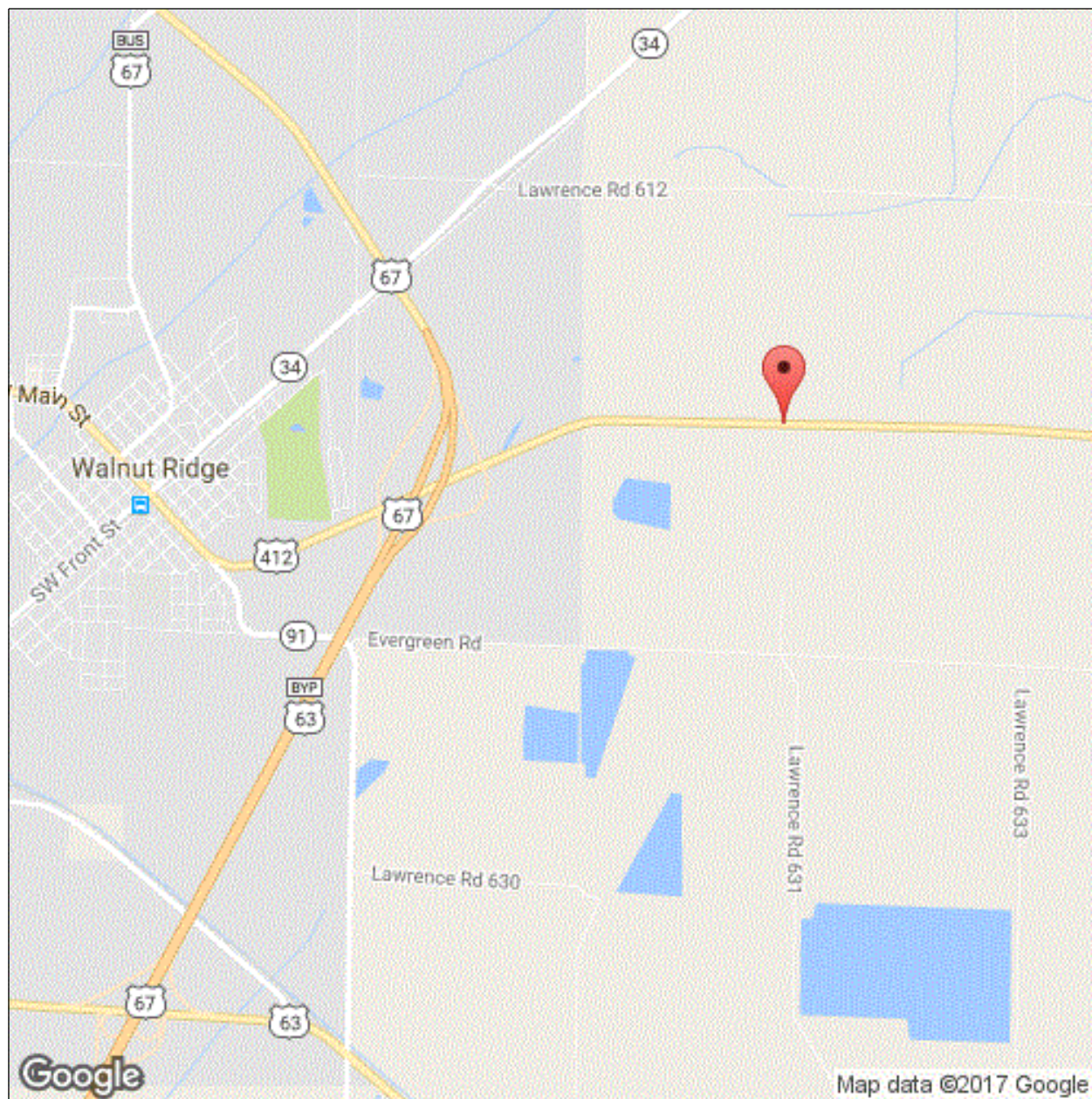
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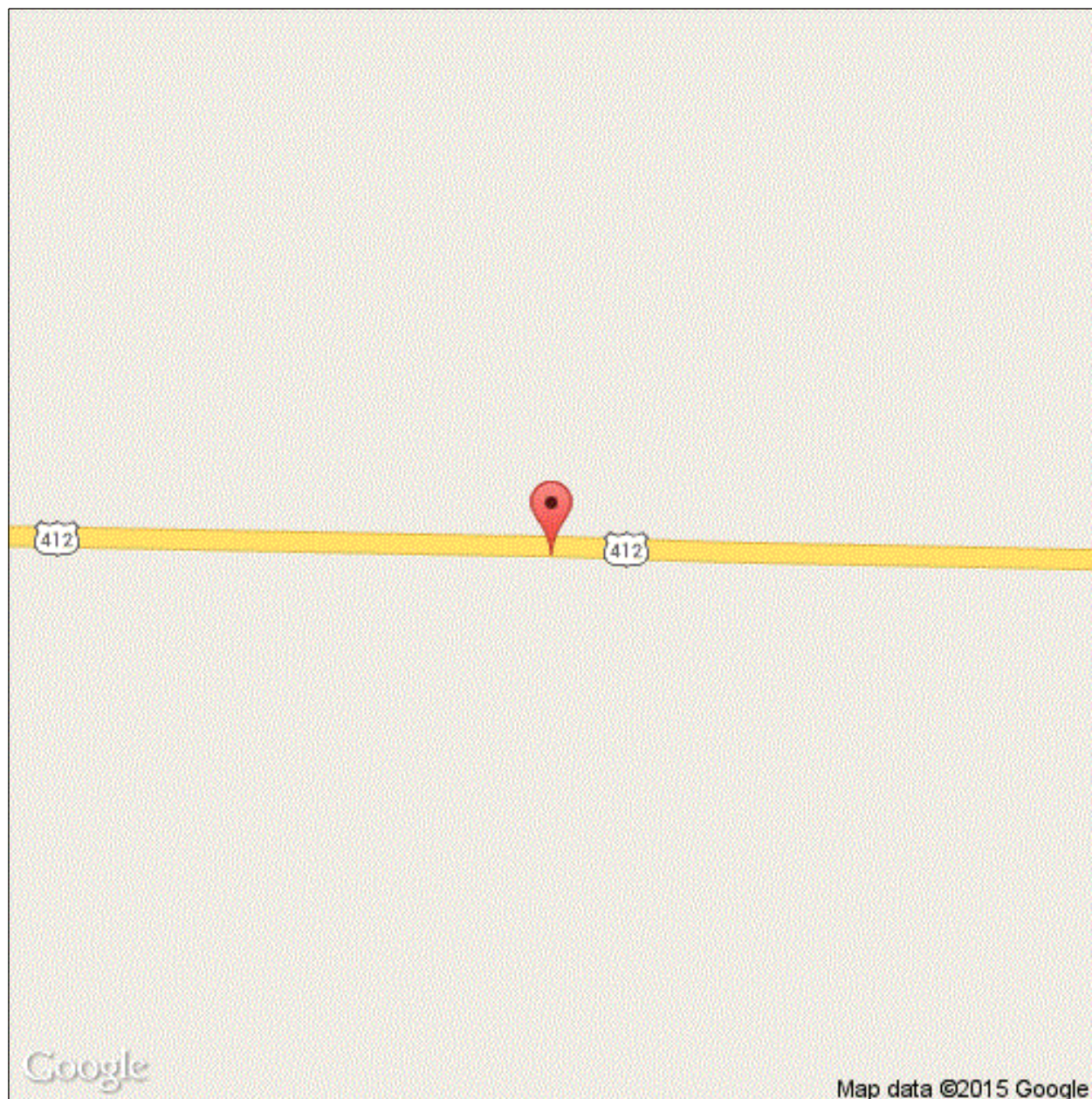
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Element Inspection

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|--|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 12 - Reinforced Concrete Deck | 1- Ben. | 1283 | sq. ft. | 1051 | 87 | 145 | 0 |
| 1120 - Efflorescence/Rust Staining | | 145 | | | | 145 | |
| 1130 - Cracking (RC and Other) | | 87 | | | 87 | | |
| 510 - Wearing Surfaces | | 1215 | sq. ft. | 936 | 0 | 279 | 0 |
| 3220 - Crack (Wearing Surface) | | 279 | | | | 279 | |
| 107 - Steel Open Girder/Beam | 1- Ben. | 270 | ft. | 123 | 122 | 24 | 1 |
| 1000 - Corrosion | | 147 | | | 122 | 24 | 1 |
| 515 - Steel Protective Coating | | 2067 | sq. ft. | 0 | 845 | 1014 | 208 |
| 3440 - Effectiveness (Steel Protective Coatings) | | 2067 | | | 845 | 1014 | 208 |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 93 | ft. | 0 | 12 | 81 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 32 | | | 12 | 20 | |
| 1120 - Efflorescence/Rust Staining | | 10 | | | | 10 | |
| 6000 - Scour | | 51 | | | | 51 | |
| 227 - Reinforced Concrete Pile | 1- Ben. | 12 | each | 11 | 0 | 1 | 0 |
| 1090 - Exposed Rebar | | 1 | | | | 1 | |
| 311 - Movable Bearing | 1- Ben. | 6 | each | 0 | 0 | 6 | 0 |
| 1000 - Corrosion | | 6 | | | | 6 | |
| 313 - Fixed Bearing | 1- Ben. | 6 | each | 0 | 0 | 6 | 0 |
| 1000 - Corrosion | | 6 | | | | 6 | |
| 330 - Metal Bridge Railing | 1- Ben. | 90 | ft. | 90 | | | |

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/21/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Girders over bents 1 and 2 have up to ¼" section loss to web and up to ½" to bottom flange.
Bearings are rusted with moderate section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 01889

Inspection Date:

Facility Carried: US 412-07- LM 3.04

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/21/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 1 abutment is undermined for 10' on Rt end up to 3' below and 2' back under.

Bent 2 abutment is undermined for 10' on Lt end up to 3' below and 3.5' back under.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: 01889

Inspection Date:

Facility Carried: US 412-07- LM 3.04

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/21/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Wings at bents 1 and 2 are cracked under bridge rail corner posts.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/20/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 pile 5 has a small spall with rebar exposed.

Scour repair portion of Bent 2 has concrete deterioration, delamination, rebar exposed, and several cracks with efflorescence.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

Structure Number: 01889

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/20/2017

Priority: C - Important

Work Code:

Deficiency Description:

Girder 1 over bent 1 has a 9" x 4" area of heavy section loss along bottom of web with a few 1/2" diameter holes rusted through. Bottom flange has section loss and is knife edged.

Girder 2 over bent 1 has 1' of bottom flange that is knife edged.

Girder 6 over bent 1 has moderate section loss along bottom of web and bottom flange.

Girder 4 over bent 2 has section loss at bottom flange. Flange is beginning to knife edge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/20/2017

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Asphalt wearing surface has areas of map cracking in wheel path.
Soffit has several cracks with efflorescence and rust stains.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description