

Bridge Inspection Report

06548
US 67-17- LM 14.55
over
SH34-01-LM 1.42



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

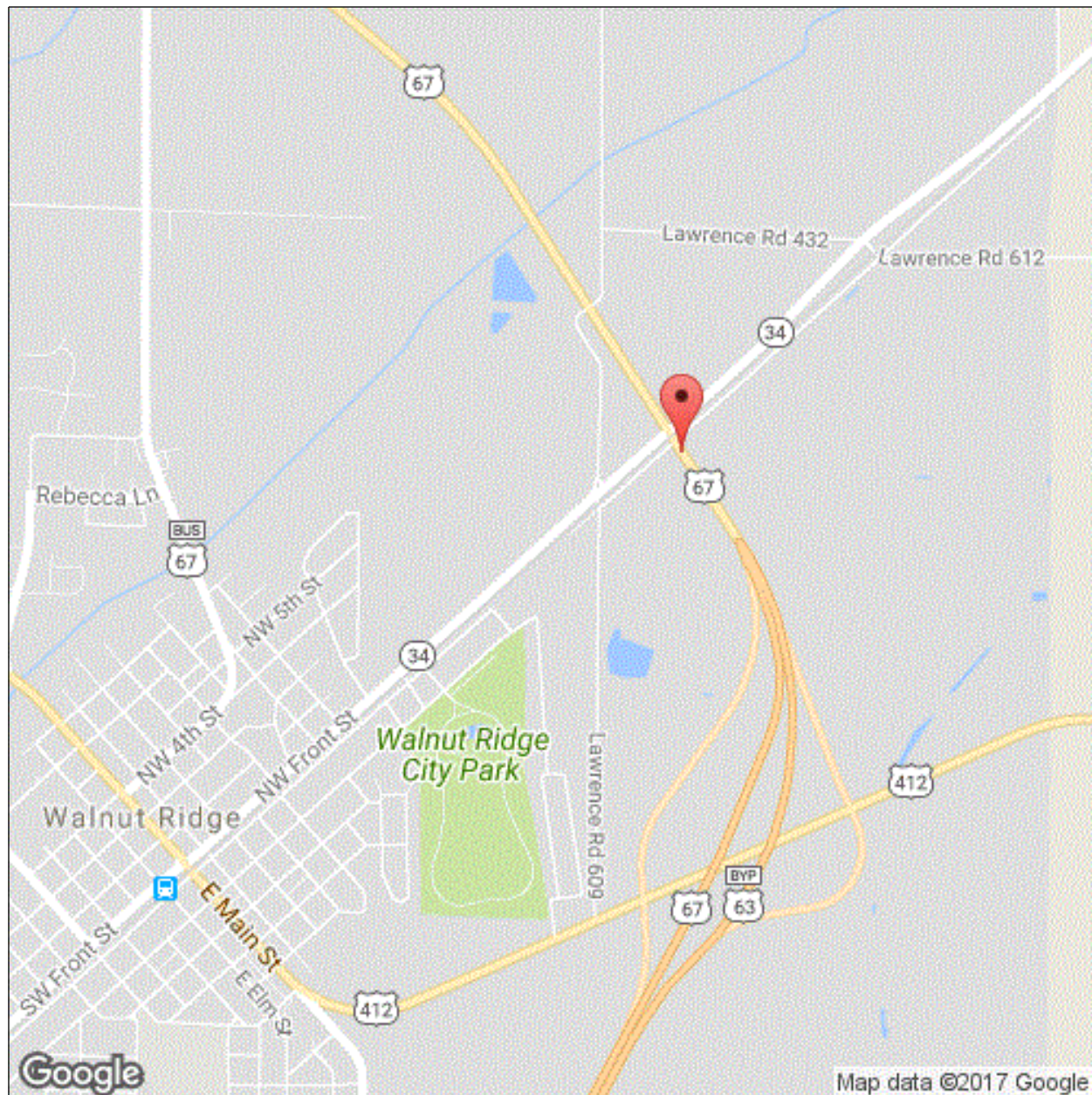
Structure Number: 06548

Inspection Date:

Facility Carried: US 67-17- LM 14.55

Bridge Inspection Report

Location Map



Latitude: 36.08137

Longitude: -90.93634

Inspector:

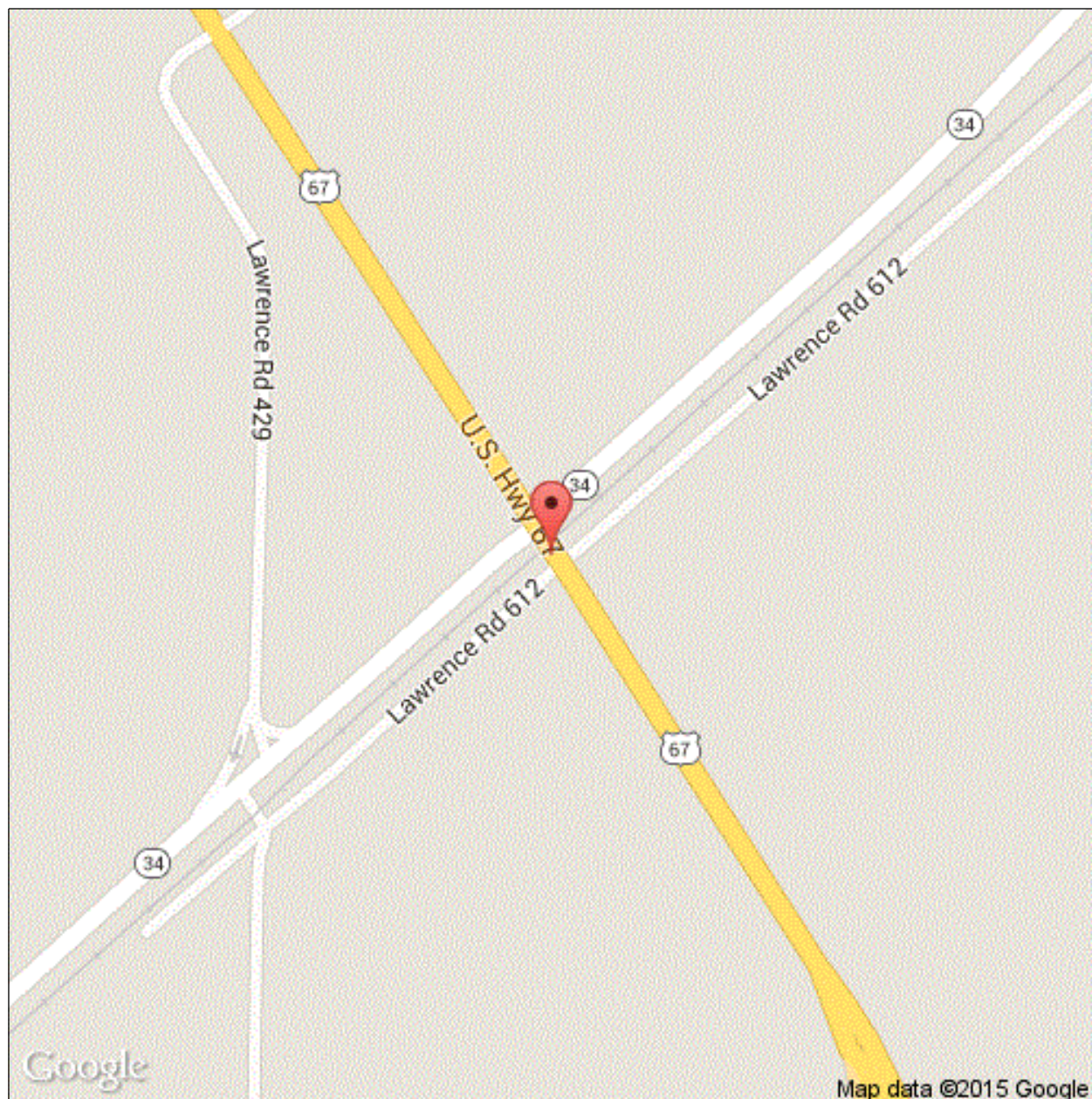
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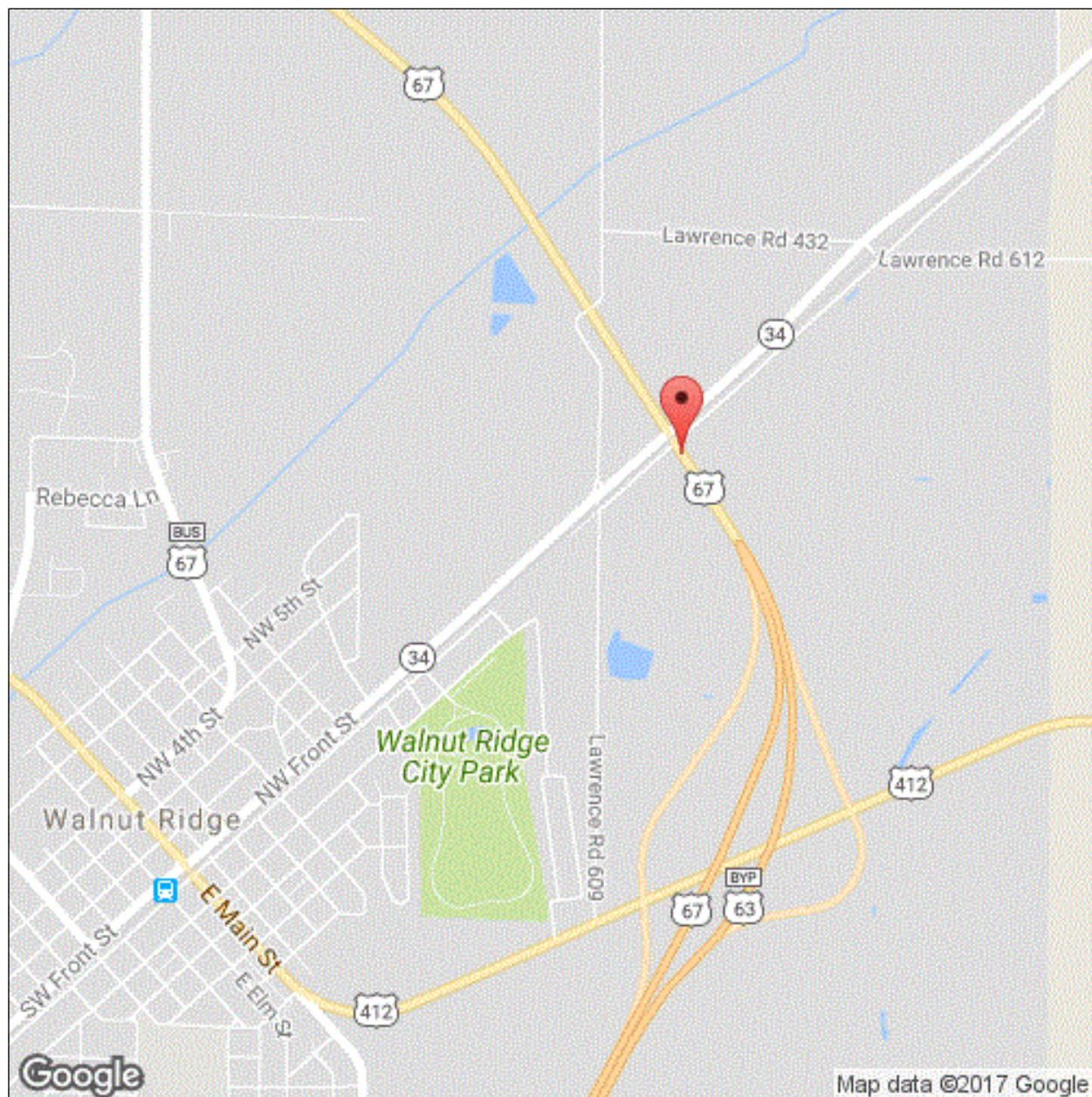
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|--|--|---|-----------------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 07/24/2017 |
| (8) STRUCTURE NUMBER | 06548 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 2 1 67 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 10 (3) COUNTY CODE 075 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 00000 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | SH34-01-LM 1.42 | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | US 67-17- LM 14.55 | | |
| (9) LOCATION | 1.41 M NE JCT US 412/SH34 | | |
| (11) MILEPOINT 14.55 | (12) BASE HIGHWAY NETWORK 1 | | |
| (13A) LRS INVENTORY ROUTE | 0000067170 (13B) SUBROUTE NUMBER 01 | | |
| (16) LATITUDE 36.08137 | (17) LONGITUDE -90.93634 | | |
| (98A) BORDER BRIDGE CODE | | | |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | | |
| STRUCTURE TYPE AND MATERIAL | | CONDITION | |
| (43) STRUCTURE TYPE, MAIN | | (58) DECK | 8 |
| A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous | | (59) SUPERSTRUCTURE | 8 (60) SUBSTRUCTURE 9 |
| B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder | | (61) CHANNEL & CHANNEL PROTECTION | N (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 1 | | |
| (108B) DECK MEMBRANE 0 | (108C) DECK PROTECTION 1 | | |
| AGE OF SERVICE | | LOAD RATING AND POSTING | |
| (27) YEAR BUILT 2000 | (106) YEAR RECONSTRUCTED 0000 | (31) DESIGN LOAD | 5 |
| (42) TYPE OF SERVICE ON 1 UNDER 4 | | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| (28) LANES ON 04 UNDER 04 | | (64) OPERATING RATING | 60.0 |
| (29) AVERAGE DAILY TRAFFIC 7000 | (19) BYPASS DETOUR LENGTH 2 | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| (30) YEAR OF AVERAGE DAILY TRAFFIC 2014 | | (66) INVENTORY RATING | 36.0 |
| (109) AVERAGE DAILY TRUCK TRAFFIC 30 | | (70) BRIDGE POSTING | 5 |
| | | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| GEOMETRIC DATA | | APPRAISAL | |
| (48) LENGTH OF MAX SPAN (ft.) 89 | (49) STRUCTURE LENGTH (ft.) 382 | (67) STRUCTURAL EVALUATION | 8 |
| (50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0 | | (68) DECK GEOMETRY | 9 |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 80.1 | | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | 5 |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) 82.8 | | (71) WATERWAY ADEQUACY | N |
| (32) APPROACH ROADWAY WIDTH (ft.) 84.0 | | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (33) BRIDGE MEDIAN 0 | (34) SKEW (DEG.) 8 | (36) TRAFFIC SAFETY FEATURE | |
| (35) STRUCTURE FLARED 0 | (10) INV RTE, MIN VERT CLEAR (ft.) 99.99 | 36A) BRIDGE RAILINGS: | 1 |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) 80.1 | | 36B) TRANSITIONS: | 1 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99 | | 36C) APPROACH GUARDRAIL: | 1 |
| (54) VERTICAL UNDER CLEARANCE (ft.) R 23.30 | | 36D) APPROACH GUARDRAIL ENDS: | 1 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 8.5 | | (113) SCOUR CRITICAL BRIDGES | N |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) 0 | | SUFFICIENCY RATING 92.9 | STATUS 0 |
| 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 | 1 |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 02 |
| (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 6623 | (115) YEAR OF FUTURE ADT 2028 | (103) TEMP STRUCTURE | |
| | | (105) FEDERAL LANDS HIGHWAYS | 0 |
| | | (110) DESIGNATED NATIONAL NETWORK | 1 |
| | | (20) TOLL | 3 |
| | | (21) MAINTENANCE RESPONSIBILITY | 01 |
| | | (22) OWNER | 01 |
| | | (37) HISTORICAL | 5 |
| | | NAVIGATION DATA | |
| | | (38) NAVIGATION CONTROL | N |
| | | (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 |
|--|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 12 - Reinforced Concrete Deck | 1- Ben. | 31658 | sq. ft. | 25383 | 5915 | 360 | 0 |
| 1120 - Efflorescence/Rust Staining | | 360 | | | | 360 | |
| 1130 - Cracking (RC and Other) | | 5915 | | | 5915 | | |
| 107 - Steel Open Girder/Beam | 1- Ben. | 4180 | ft. | 4178 | 2 | 0 | 0 |
| 1020 - Connection | | 2 | | | 2 | | |
| 515 - Steel Protective Coating | | 44177 | sq. ft. | 44079 | 0 | 98 | 0 |
| 3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings) | | 98 | | | | 98 | |
| 205 - Reinforced Concrete Column | 1- Ben. | 16 | each | 16 | | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 232 | ft. | 232 | | | |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 344 | ft. | 344 | | | |
| 300 - Strip Seal Expansion Joint | 1- Ben. | 250 | ft. | 250 | | | |
| 310 - Elastomeric Bearing | 1- Ben. | 77 | each | 77 | | | |
| 321 - Reinforced Concrete Approach Slab | 1- Ben. | 4794 | sq. ft. | 3870 | 0 | 924 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 12 | | | | 12 | |
| 1130 - Cracking (RC and Other) | | 912 | | | | 912 | |
| 331 - Reinforced Concrete Bridge Railing | 1- Ben. | 764 | ft. | 694 | 0 | 70 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 2 | | | | 2 | |
| 1120 - Efflorescence/Rust Staining | | 68 | | | | 68 | |

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Bridge Inspection Report

Pictures

PHOTO 1

| Description | Underclearance |
|-------------|----------------|
|-------------|----------------|

PHOTO 1

| Description |
|-------------|
|-------------|

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 2

Description

Inspector:

Inspection Date:

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Bridge Inspection Report

Pictures

PHOTO 3

Description

PHOTO 4

Description

Inspector:

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Facility Carried: US 67-17- LM 14.55

Bridge Inspection Report

Pictures

PHOTO 5

Description

PHOTO 6

Description

Inspector:

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Facility Carried: US 67-17- LM 14.55

Bridge Inspection Report

Pictures

PHOTO 7

Description

PHOTO 8

Description

Inspector:

Inspection Date:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/1/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete Bridge Rail has some cracking with efflorescence.

Right side of Concrete Bridge Rail Span 2 has a 1ft. X 3in. deep damaged area on top of outside rail.

Left side of Bridge Concrete Rail Span 4 has an 8in. diameter spall up to 2in. deep near top of outside rail.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06548

Inspection Date:

Facility Carried: US 67-17- LM 14.55

Bridge Inspection Report

Maintenance Needs

Date Reported: 8/1/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Girders and Diaphragms have 98sqft. of paint peeling, mainly bottom flange of girders, see 2017 photo.
Splice Plate Bolts and Nuts are beginning to rust with section loss, see 2017 photo.

Span 4 Girder 5 Diaphragm 5 has 3 loose bolts.

Span 5 Girder 11 Splice 1 has one loose bolt.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: 06548

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/31/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete deck
Several minor unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06548

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/31/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Top of Deck Sawed Joint Poured Material is separating and allowing chemical to leak thru deck stay in place forms with section loss to forms, rust and rebar exposed in some areas especially Bays 1,2 8,9 & 10 see 2017 photo for typical.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description