

Bridge Inspection Report

02015
SH 463-01-LM 6.71
over
LITTLE BAY



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

| | PAGE NUMBER |
|---------------------------|-------------|
| LOCATION MAP | 3 |
| NATIONAL BRIDGE INVENTORY | 7 |
| ELEMENTS | 8 |
| PICTURES | 9 |
| SKETCHES | 10 |

Inspector:

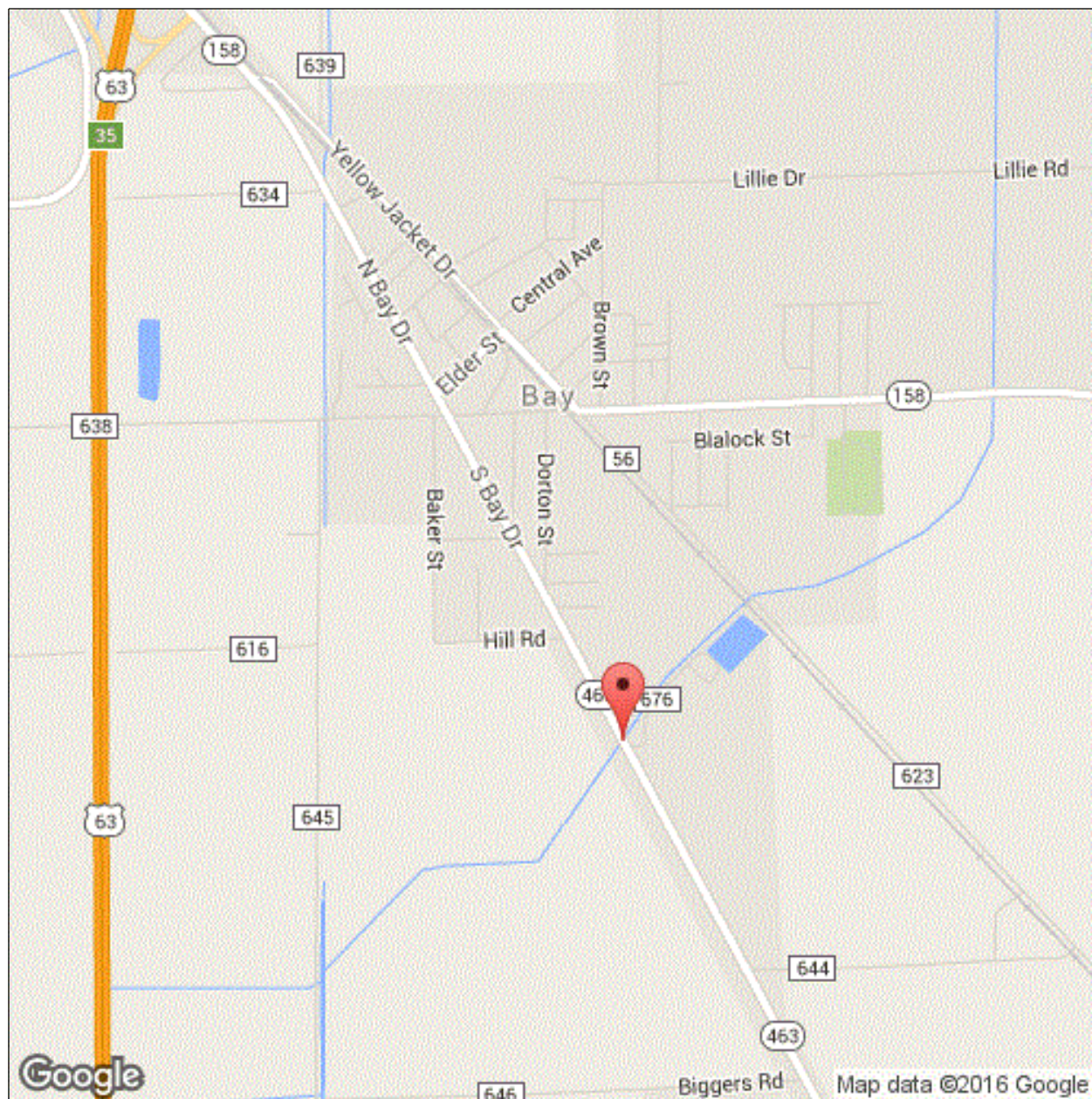
Structure Number: 02015

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Bridge Inspection Report

Location Map



Latitude: 35.731330067351

Longitude: -90.55935076769191

Inspector:

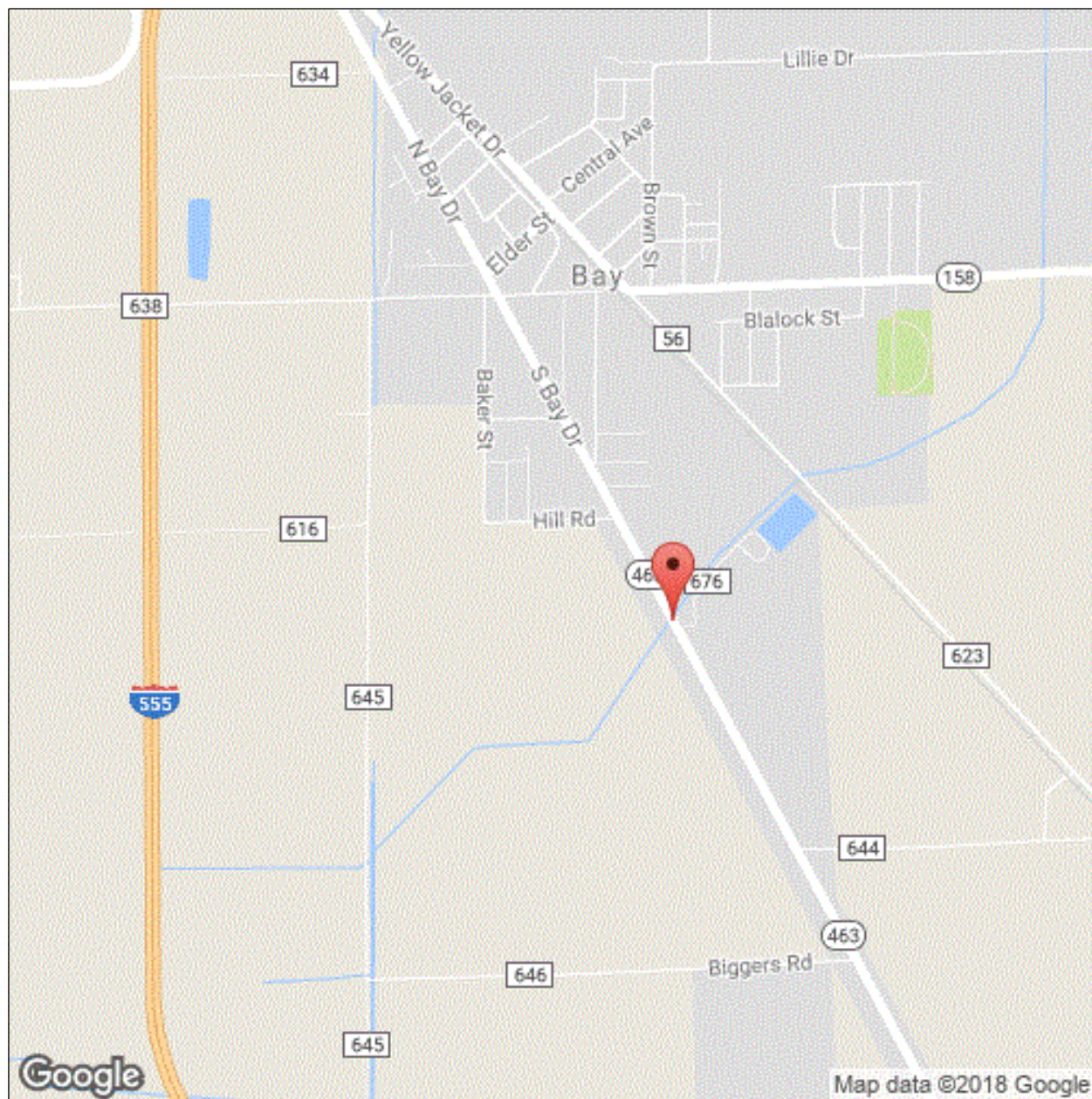
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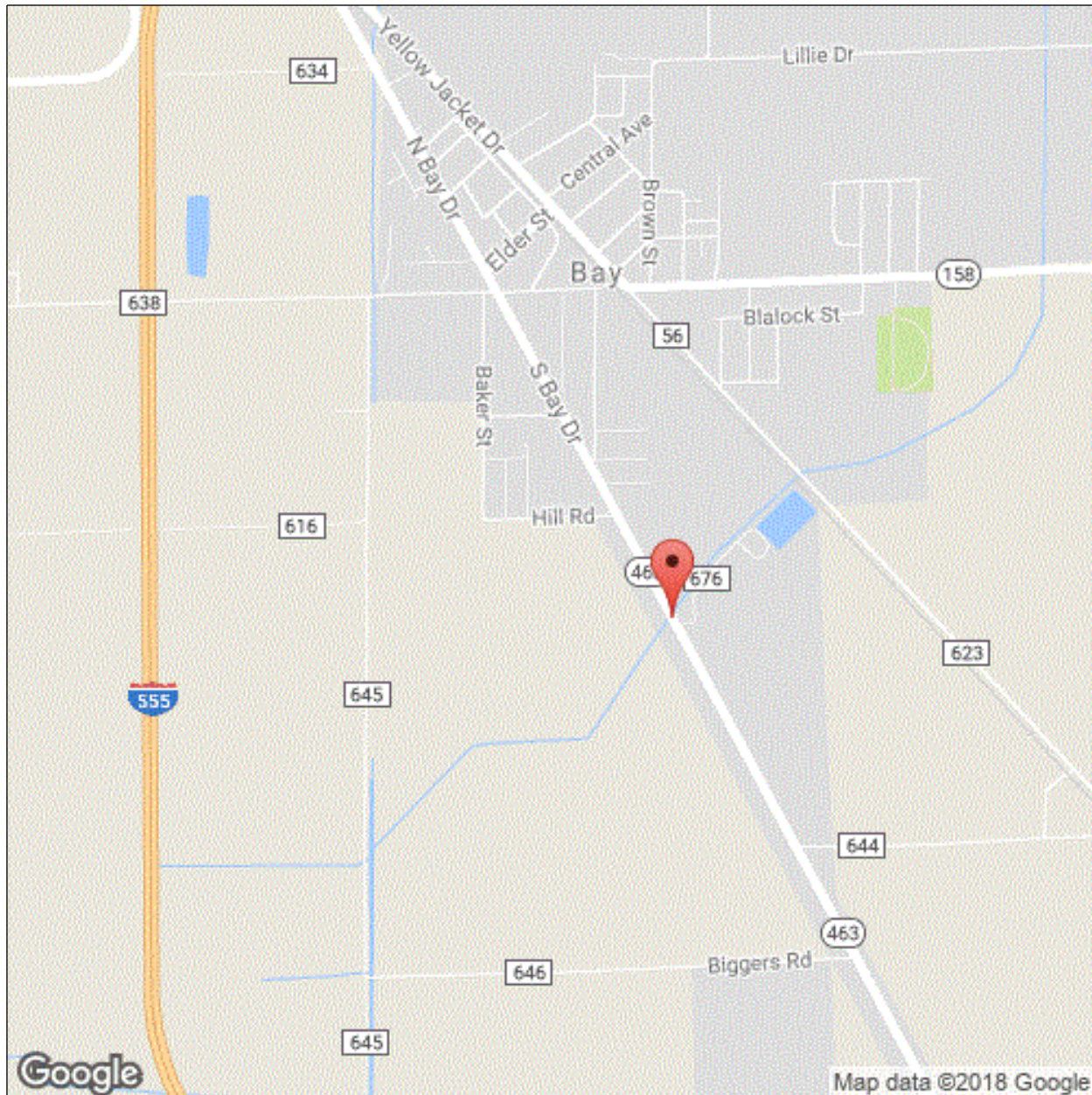
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Executive Summary

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Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|---|---|---|---------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 02/26/2018 |
| (8) STRUCTURE NUMBER | 02015 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 3 1 463 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 10 (3) COUNTY CODE 031 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 00000 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | LITTLE BAY | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | SH 463-01-LM 6.71 | | |
| (9) LOCATION | 1.3 MI SOUTH OF BAY ARK | | |
| (11) MILEPOINT 6.710 | (12) BASE HIGHWAY NETWORK 0 | | |
| (13A) LRS INVENTORY ROUTE | 0000000000 (13B) SUBROUTE NUMBER 00 | | |
| (16) LATITUDE | 35.731330067351 (17) LONGITUDE -90.55935076769191 | | |
| (98A) BORDER BRIDGE CODE | | | |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | | |
| STRUCTURE TYPE AND MATERIAL | | CONDITION | |
| (43) STRUCTURE TYPE, MAIN | | (58) DECK | 7 |
| A) KIND OF MATERIAL/DESIGN: 1 - Concrete | | (59) SUPERSTRUCTURE | 7 |
| B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam | | (60) SUBSTRUCTURE | 7 |
| (44) STRUCTURE TYPE, APPROACH SPANS | | (61) CHANNEL & CHANNEL PROTECTION | 6 |
| A) KIND OF MATERIAL/DESIGN: 0 - Other | | (62) CULVERT | N |
| B) TYPE OF DESIGN/CONSTR: 00 - Other | | | |
| (45) NUMBER OF SPANS IN MAIN | 1 (46) NUMBER OF APPROACH | | |
| (107) DECK STRUCTURE TYPE | 1 (108A) WEARING SURFACE | | |
| (108B) DECK MEMBRANE | 0 (108C) DECK PROTECTION | | |
| | 0 | | |
| AGE OF SERVICE | | LOAD RATING AND POSTING | |
| (27) YEAR BUILT | 1937 (106) YEAR RECONSTRUCTED | (31) DESIGN LOAD | 4 |
| (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 | 60 |
| (29) AVERAGE DAILY TRAFFIC | 3600 (19) BYPASS DETOUR LENGTH | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | 2014 | (66) INVENTORY RATING | 36 |
| (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.) | (67) STRUCTURAL EVALUATION | 7 |
| (50) CURB/SIDEWALK WIDTHS (ft.) | LEFT 1.8 RIGHT 1.8 | (68) DECK GEOMETRY | 3 |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | 26.9 | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | N |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | 30.5 | (71) WATERWAY ADEQUACY | 8 |
| (32) APPROACH ROADWAY WIDTH (ft.) | 40.0 | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (33) BRIDGE MEDIAN | 0 (34) SKEW (DEG.) | (36) TRAFFIC SAFETY FEATURE | |
| (35) STRUCTURE FLARED | 0 (10) INV RTE, MIN VERT CLEAR (ft.) | 36A) BRIDGE RAILINGS: | 0 |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | 26.9 | 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 | 76.7 |
| | | STATUS | 2 |
| PROPOSED IMPROVEMENTS | | CLASSIFICATION | |
| (75A) TYPE OF WORK PROPOSED | 31 (75B) WORK DONE BY | (112) NBIS BRIDGE LENGTH | Y |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) | 66.0 | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 0 |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 07 |
| (95) ROADWAY IMPROVEMENT COST (\$) | 265 | (100) STRAHNET HIGHWAY DESIGNATION | 0 |
| (96) TOTAL PROJECT COST | 562 | (101) PARALLEL STRUCTURE DESIGNATION | N |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE | 2002 | (102) DIRECTION OF TRAFFIC | 2 |
| (114) FUTURE ADT | 4965 (115) YEAR OF FUTURE ADT | (103) TEMP STRUCTURE | |
| | 2028 | (105) FEDERAL LANDS HIGHWAYS | 0 |
| | | (110) DESIGNATED NATIONAL NETWORK | 0 |
| | | (20) TOLL | 3 |
| | | (21) MAINTENANCE RESPONSIBILITY | 01 |
| | | (22) OWNER | 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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Element Inspection

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 16 - Reinforced Concrete Top Flange | 1- Ben. | 1280 | sq. ft. | 1280 | | | |
| 510 - Wearing Surfaces | | 1136 | sq. ft. | 1010 | 126 | 0 | 0 |
| 3220 - Crack (Wearing Surface) | | 126 | | | 126 | | |
| 110 - Reinforced Concrete Open Girder/Beam | 1- Ben. | 200 | ft. | 190 | 10 | 0 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 2 | | | 2 | | |
| 1130 - Cracking (RC and Other) | | 8 | | | 8 | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 112 | ft. | 110 | 2 | 0 | 0 |
| 1130 - Cracking (RC and Other) | | 2 | | | 2 | | |
| 227 - Reinforced Concrete Pile | 1- Ben. | 6 | each | 0 | 6 | | |
| 311 - Movable Bearing | 1- Ben. | 5 | each | 0 | 5 | 0 | 0 |
| 2210 - Movement | | 5 | | | 5 | | |
| 313 - Fixed Bearing | 1- Ben. | 5 | each | 0 | 5 | 0 | 0 |
| 1000 - Corrosion | | 5 | | | 5 | | |
| 330 - Metal Bridge Railing | 1- Ben. | 84 | ft. | 0 | 84 | 0 | 0 |
| 1000 - Corrosion | | 84 | | | 84 | | |

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Bridge Inspection Report

Pictures

PHOTO 2

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/27/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Concrete Deck W/Asphalt overlay
Open unsealed cracks

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/27/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Steel Bearings
Bent 1 Rocker Bearings 4 & 5 are tilted to extreme

Steel Bearings are rust covered with initial loss of section.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 1/27/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

All wing wall are cracked and broken away from back walls, South East wing wall in broken and shelled off with exposed rebar, see 2010 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

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Maintenance Needs

Date Reported: 02/17/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete Girders have butted up against concrete abutments on Bents 1 and 2 abutments causing some minor cracking to ends of concrete girders with a few spall on ends of girders, see 2010 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description

Inspector:

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Maintenance Needs

Date Reported: 02/17/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Some slope erosion with rip displacement on both slopes exposing 6 piles.

Work Description:

Date Repairs Completed:

Maintenance Comments:
