

# Bridge Inspection Report

**05601**  
**SH 69-06- LM 4.20**  
**over**  
**DITCH NO 10**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

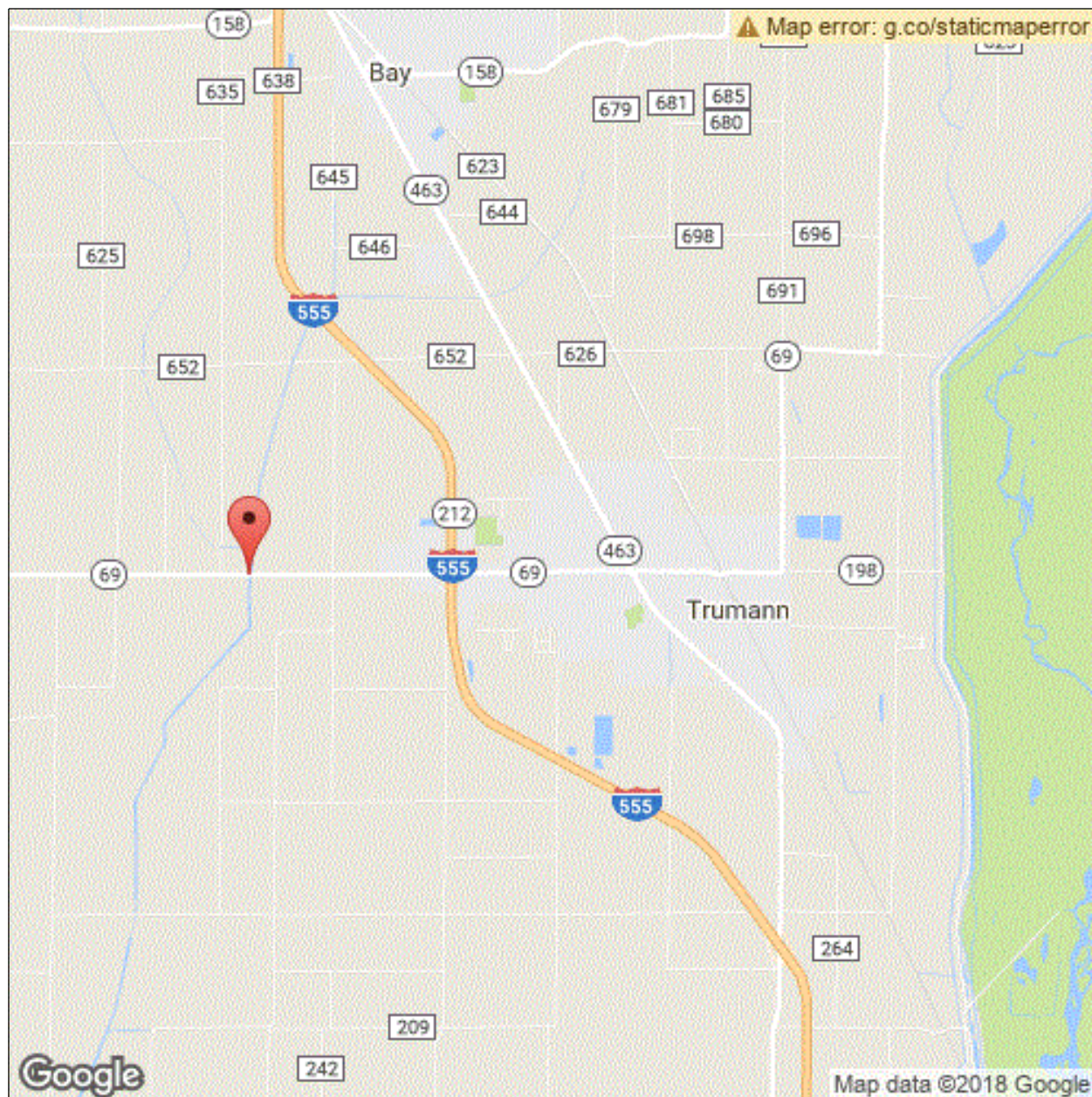
Structure Number: 05601

Inspection Date:

Facility Carried: SH 69-06- LM 4.20

## Bridge Inspection Report

### Location Map



Latitude: 35.67815

Longitude: -90.58484



Inspector:

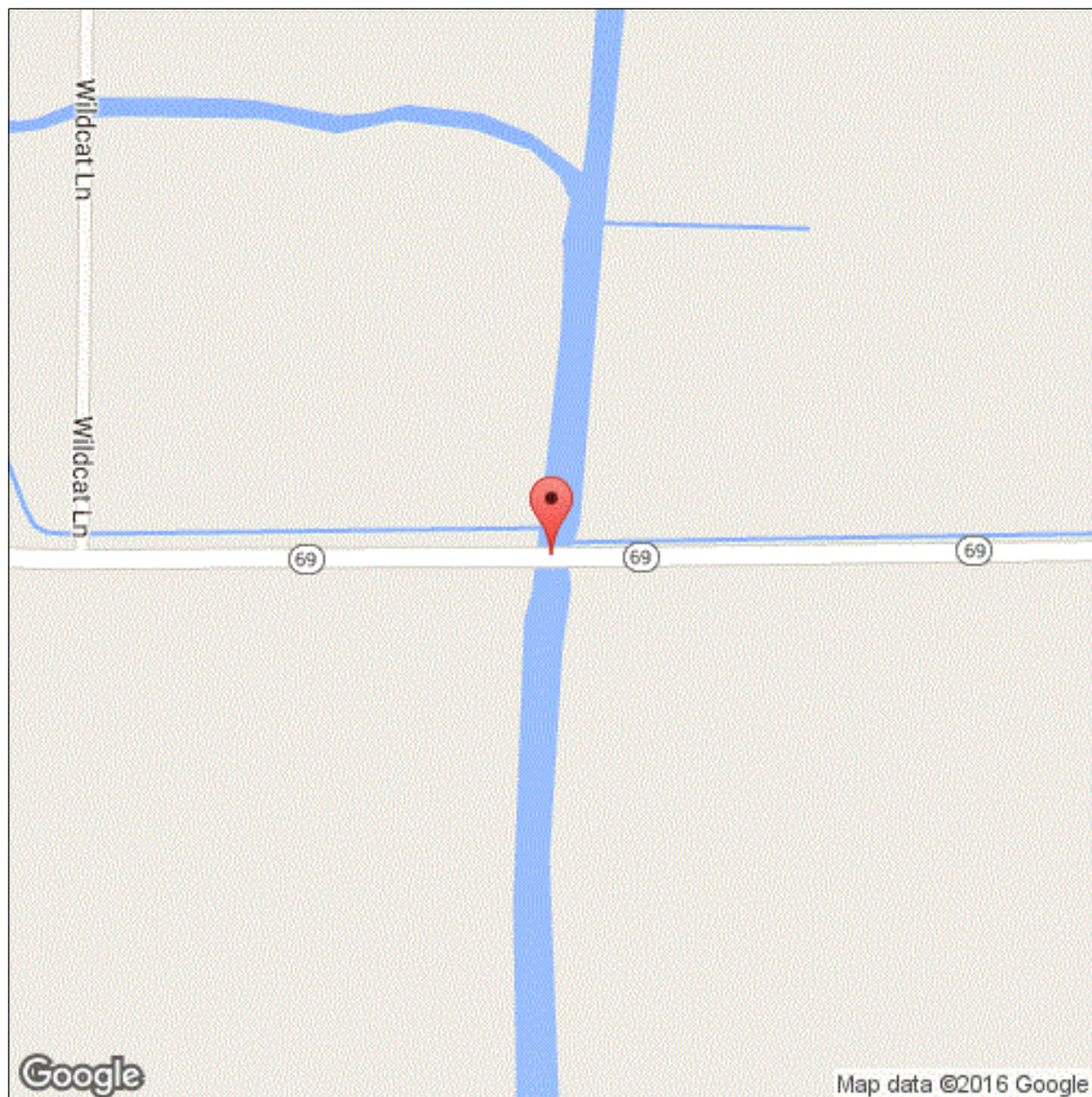
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Inspector:

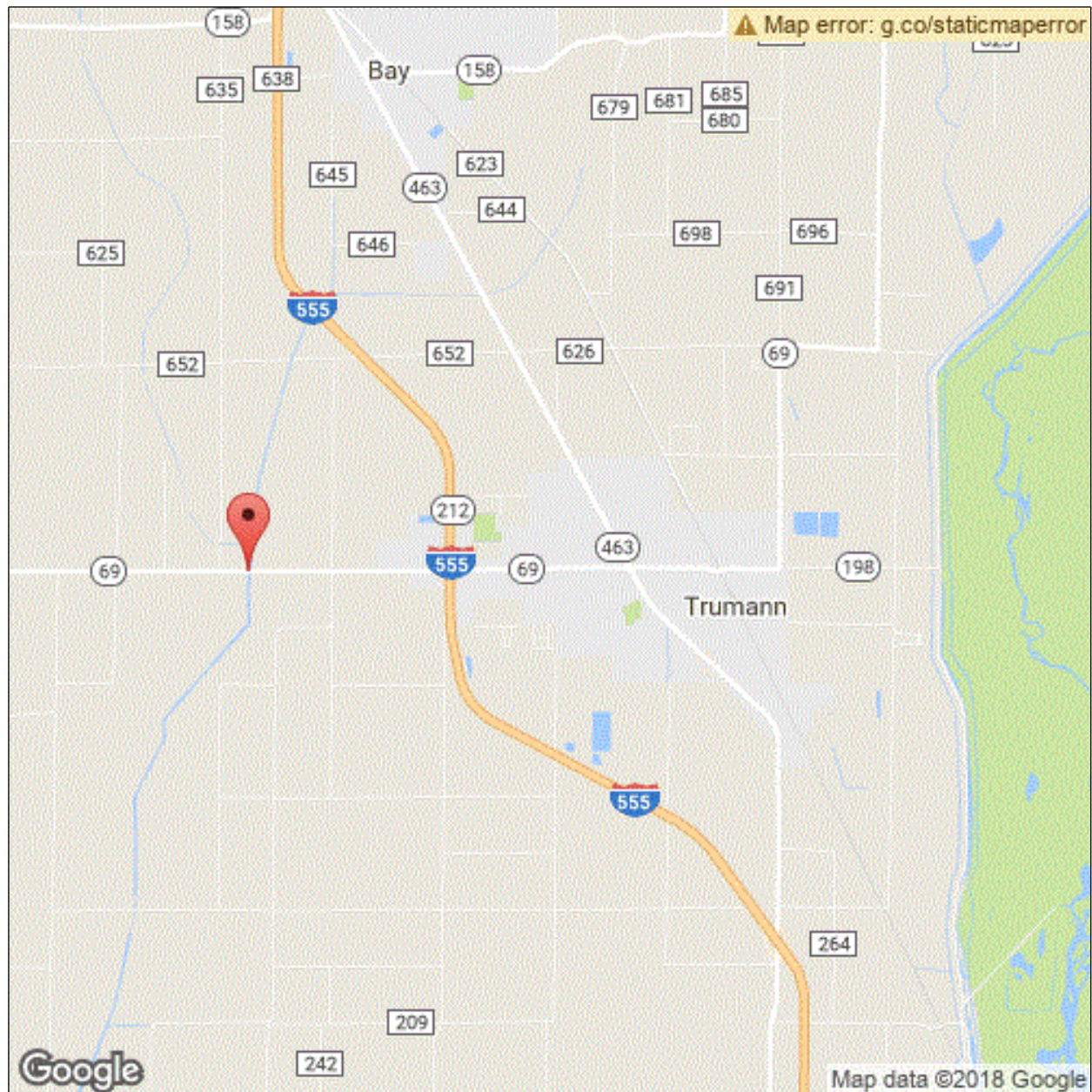
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## Bridge Inspection Report

### Location Map



Latitude: 35.67815

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Inspector:

Inspection Date:

Structure Number: 05601

Facility Carried: SH 69-06- LM 4.20

## Bridge Inspection Report

### Executive Summary

Inspector:

Structure Number: 05601

Inspection Date:

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/12/2018
(8) STRUCTURE NUMBER	05601	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 69 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	DITCH NO 10	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 69-06- LM 4.20		
(9) LOCATION	4.24MI E JCT SH 163	CONDITION	
(11) MILEPOINT 4.200	(12) BASE HIGHWAY NETWORK 0	(58) DECK	6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
(16) LATITUDE 35.67815	(17) LONGITUDE -90.58484	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	5
STRUCTURE TYPE AND MATERIAL		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(43) STRUCTURE TYPE, MAIN		(64) OPERATING RATING	60.0
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(66) INVENTORY RATING	36.0
(44) STRUCTURE TYPE, APPROACH SPANS		(70) BRIDGE POSTING	5
A) KIND OF MATERIAL/DESIGN:	0 - Other	(41) STRUCTURE OPEN/POSTED/CLOSED	A
B) TYPE OF DESIGN/CONSTR:	00 - Other	APPRAISAL	
(45) NUMBER OF SPANS IN MAIN	5 (46) NUMBER OF APPROACH	(67) STRUCTURAL EVALUATION	6
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(68) DECK GEOMETRY	5
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
AGE OF SERVICE		(71) WATERWAY ADEQUACY	8
(27) YEAR BUILT	1975 (106) YEAR RECONSTRUCTED	(72) APPROACH ROADWAY ALIGNMENT	8
(42) TYPE OF SERVICE	ON 1 UNDER 5	(36) TRAFFIC SAFETY FEATURE	
(28) LANES	ON 02 UNDER 00	36A) BRIDGE RAILINGS:	1
(29) AVERAGE DAILY TRAFFIC	1700 (19) BYPASS DETOUR LENGTH	36B) TRANSITIONS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36C) APPROACH GUARDRAIL:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	36D) APPROACH GUARDRAIL ENDS:	0
GEOMETRIC DATA		(113) SCOUR CRITICAL BRIDGES	5
(48) LENGTH OF MAX SPAN (ft.)	40 (49) STRUCTURE LENGTH (ft.)	SUFFICIENCY RATING	0 STATUS 95.6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	32.2	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	34.8	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	33.1	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(110) DESIGNATED NATIONAL NETWORK	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(22) OWNER	01
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(37) HISTORICAL	5
(94) BRIDGE IMPROVEMENT COST (\$)	0	NAVIGATION DATA	
(95) ROADWAY IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(96) TOTAL PROJECT COST	0	(111) PIER OR ABUTMENT PROTECTION	5
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(39) NAV VERT CLEARANCE (ft.)	0
(114) FUTURE ADT	2111 (115) YEAR OF FUTURE ADT	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
	2028	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

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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.	6934	sq. ft.	4441	2246	247	0
1080 - Delamination/Spall/Patched Area		115			79	36	
1090 - Exposed Rebar		19				19	
1120 - Efflorescence/Rust Staining		116			39	77	
1130 - Cracking (RC and Other)		1283			1248	35	
1190 - Abrasion/Wear (PSC/RC)		960			880	80	
107 - Steel Open Girder/Beam	1- Ben.	1000	ft.	838	150	12	0
1000 - Corrosion		162			150	12	
515 - Steel Protective Coating		5906	sq. ft.	0	4563	591	752
3440 - Effectiveness (Steel Protective Coatings)		5906			04563	591	752
215 - Reinforced Concrete Abutment	1- Ben.	87	ft.	79	0	8	0
1090 - Exposed Rebar		3				3	
1120 - Efflorescence/Rust Staining		5				5	
227 - Reinforced Concrete Pile	1- Ben.	20	each	10	10	0	0
1190 - Abrasion/Wear (PSC/RC)		10			10		
234 - Reinforced Concrete Pier Cap	1- Ben.	124	ft.	99	0	22	3
1080 - Delamination/Spall/Patched Area		3					3
1090 - Exposed Rebar		13				13	
1130 - Cracking (RC and Other)		9				9	
302 - Compression Joint Seal	1- Ben.	208	ft.	0	0	208	0
2320 - Seal Adhesion		35				35	
2330 - Seal Damage		173				173	
311 - Movable Bearing	1- Ben.	25	each	0	25	0	0
1000 - Corrosion		25			25		
313 - Fixed Bearing	1- Ben.	25	each	0	25	0	0
1000 - Corrosion		25			25		
321 - Reinforced Concrete Approach Slab	1- Ben.	720	sq. ft.	442	180	98	0
1080 - Delamination/Spall/Patched Area		8				8	
1190 - Abrasion/Wear (PSC/RC)		270			180	90	
331 - Reinforced Concrete Bridge Railing	1- Ben.	404	ft.	348	56	0	0
1090 - Exposed Rebar		56			56		



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## Bridge Inspection Report

Pictures

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## Bridge Inspection Report

Sketches

Inspector:

Structure Number: 05601

Inspection Date:

Facility Carried: SH 69-06- LM 4.20

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

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Deficiency Description:

Approach gutter at bent 1 Lt is undermined.

Approach gutter at bent 6 Rt is undermined.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---



Inspector:

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Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

---

Deficiency Description:

Joint seals are torn and losing adhesion.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 05601

Inspection Date:

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Deck has a few areas of moderate abrasion in gutters.

Deck has spalled/delaminated areas running along joints at bents 2, 3, and 5.

Span 5 has a large spall in Rt gutter.

Deck has several unsealed transverse cracks.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 3/5/2014 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Girders have small areas of surface rust throughout.

Bearings have minor corrosion.

Span 1 bent 1 girders 1 and 5 have 3' of initial section loss along bottom of web

Girders over bent 2 have 2' of rust with some section loss at web below haunch.

Span 5 bent 5 girders 1 and 5 have 3' of up to 1/8" section loss along bottom of web and bottom flange.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Inspector:

Structure Number: 05601

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/5/2014 12:00:00 AM

Priority: D - Routine

Work Code:

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Deficiency Description:

Bent 1 approach rail is loose at connection to parapet wall.

Bent 6 approach rail is loose at connection to parapet wall.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 3/5/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

---

Deficiency Description:

Span 1 girder 5 diaphragm near mid span is missing 1 nut.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 3/5/2014 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Caps have several small spalls with rebar exposed.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/12/2018

Priority: D - Routine

Work Code:

---

Deficiency Description:

Bents 3 and 4 have drift buildup on piles.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

to Poinsett Co Crew for review. KAW 3/30/18

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Stage: Open



PHOTO 1 Description

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/12/2018

Priority: B - Pressing; 6 month completion goal

Work Code:

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#### Deficiency Description:

Bent 3 cap has a 3' spall under bearing 5 on back side. Cap is spalled approx. 3" under bearing. Anchor bolt is exposed under bearing.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1 Description