

Bridge Inspection Report

A6337
I-555-02SB-LM23.72
over
SH 463



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	9
PICTURES	10
SKETCHES	11

Inspector:

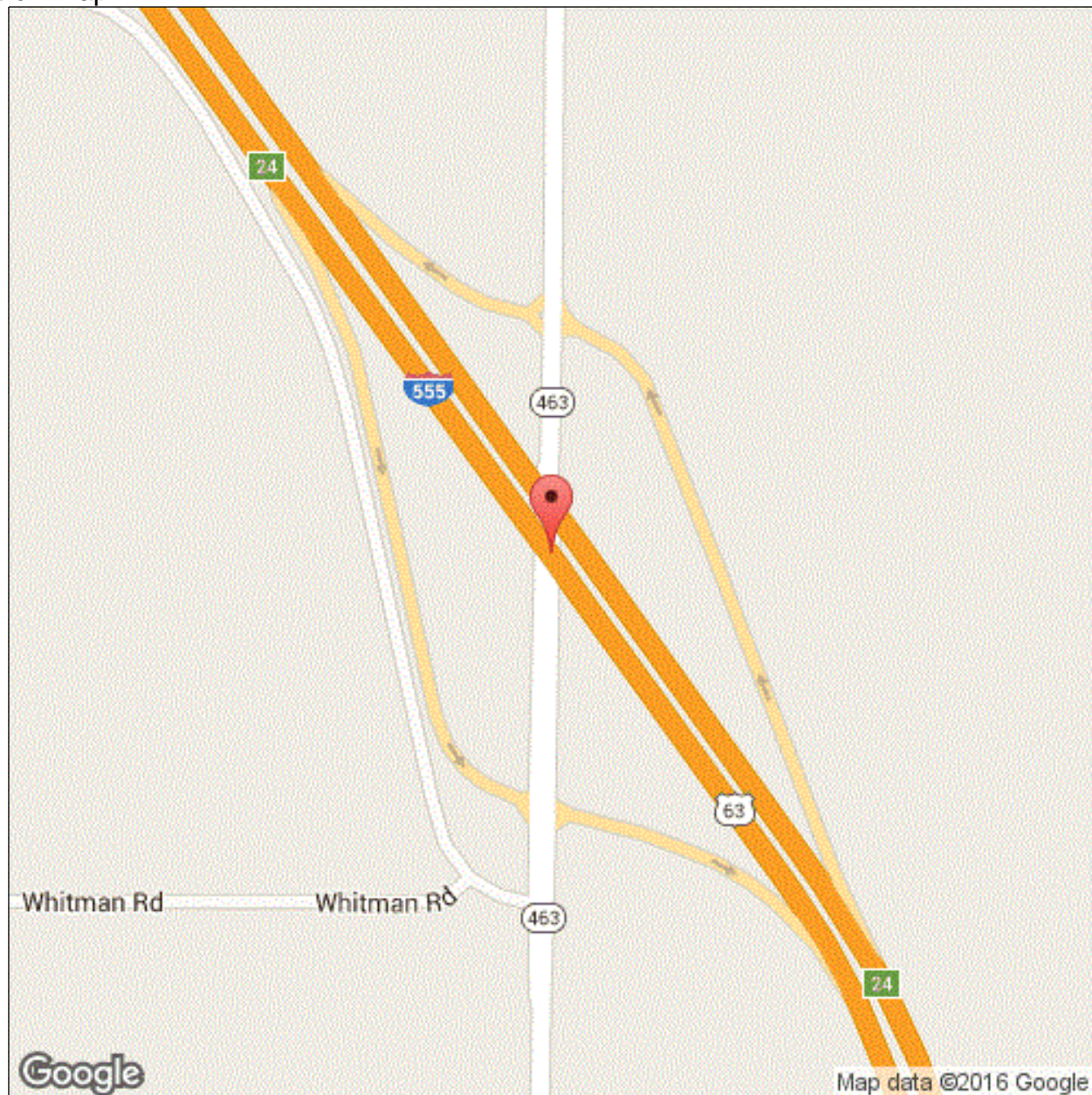
Inspection Date:

Structure Number: A6337

Facility Carried: I-555-02SB-
LM23.72

Bridge Inspection Report

Location Map



Latitude: 35.63021

Longitude: -90.50051

Inspector:

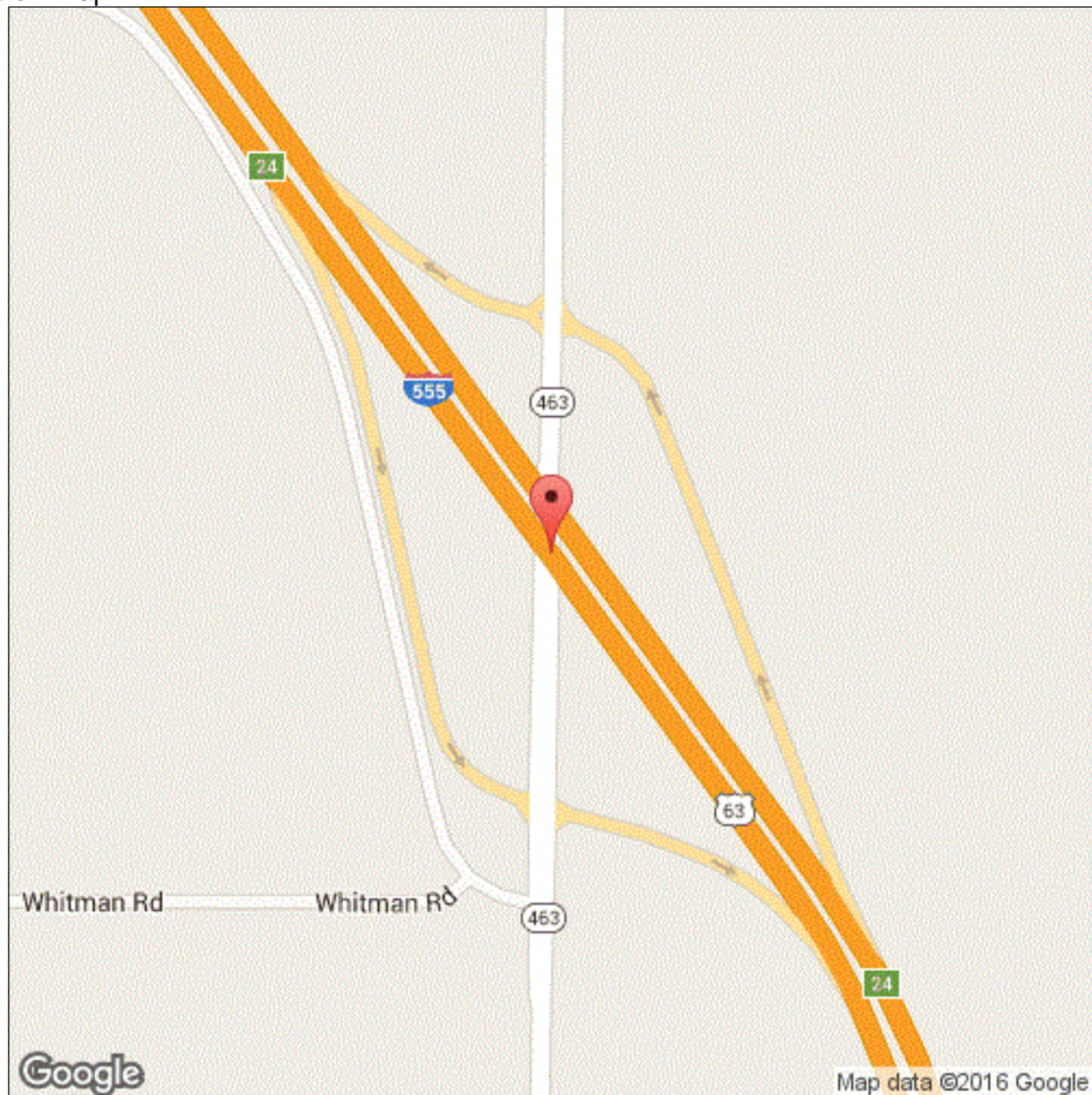
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Location Map



Latitude: 35.63021

Longitude: -90.50051

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Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: A6337

Inspection Date:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	05/17/2016		
(8) STRUCTURE NUMBER	A6337			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	1	1	(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	SH 463			C. OTHER SPECIAL	N		
(7) FACILITY CARRIED	I-555-02SB-LM23.72			CONDITION			
(9) LOCATION	2.5 MI S OF TRUMANN			(58) DECK	7		
(11) MILEPOINT	23.72	(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	7	(60) SUBSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000063080	(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(16) LATITUDE	35.63021	(17) LONGITUDE	-90.50051	LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	5		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	56.0		
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	1		
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			(66) INVENTORY RATING	33.0		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(70) BRIDGE POSTING	5		
(44) STRUCTURE TYPE, APPROACH SPANS				(41) STRUCTURE OPEN/POSTED/CLOSED	A		
A) KIND OF MATERIAL/DESIGN:	0 - Other			APPRAISAL			
B) TYPE OF DESIGN/CONSTR:	00 - Other			(67) STRUCTURAL EVALUATION	7		
(45) NUMBER OF SPANS IN MAIN	3	(46) NUMBER OF APPROACH	0	(68) DECK GEOMETRY	7		
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	1	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	4		
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0	(71) WATERWAY ADEQUACY	N		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	8		
(27) YEAR BUILT	1992	(106) YEAR RECONSTRUCTED	0000	(36) TRAFFIC SAFETY FEATURE			
(42) TYPE OF SERVICE	ON 1	UNDER 1		36A) BRIDGE RAILINGS:	1		
(28) LANES	ON 02	UNDER 02		36B) TRANSITIONS:	1		
(29) AVERAGE DAILY TRAFFIC	12000	(19) BYPASS DETOUR LENGTH	1	36C) APPROACH GUARDRAIL:	1		
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014			36D) APPROACH GUARDRAIL ENDS:	1		
(109) AVERAGE DAILY TRUCK TRAFFIC	1			(113) SCOUR CRITICAL BRIDGES	N		
GEOMETRIC DATA				SUFFICIENCY RATING	0	STATUS	93.5
(48) LENGTH OF MAX SPAN (ft.)	122	(49) STRUCTURE LENGTH (ft.)	312	CLASSIFICATION			
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0		(112) NBIS BRIDGE LENGTH	Y		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01		
(32) APPROACH ROADWAY WIDTH (ft.)	40.0			(100) STRAHNET HIGHWAY DESIGNATION	1		
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	53	(101) PARALLEL STRUCTURE DESIGNATION	R		
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(102) DIRECTION OF TRAFFIC	1		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.0			(103) TEMP STRUCTURE			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0		
(54) VERTICAL UNDER CLEARANCE (ft.)	H	16.92		(110) DESIGNATED NATIONAL NETWORK	1		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	5.6		(20) TOLL	3		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0			(21) MAINTENANCE RESPONSIBILITY	01		
PROPOSED IMPROVEMENTS				(22) OWNER	01		
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(37) HISTORICAL	5		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0			NAVIGATION DATA			
(94) BRIDGE IMPROVEMENT COST (\$)	0			(38) NAVIGATION CONTROL	N		
(95) ROADWAY IMPROVEMENT COST (\$)	0			(111) PIER OR ABUTMENT PROTECTION	5		
(96) TOTAL PROJECT COST	0			(39) NAV VERT CLEARANCE (ft.)	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE				(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0		
(114) FUTURE ADT	6830	(115) YEAR OF FUTURE ADT	2028	(40) NAV HORIZONTAL CLEARANCE (ft.)	0		

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National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555-02SB-LM23.72
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	A6337
(4) PLACE CODE	00000	(9) LOCATION	2.5 MI S OF TRUMANN
(5) INV. ROUTE (ON/UNDER)	2 3 1 463 3	(11) MILEPOINT	6.060 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	SH 463	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35. (17) LONGITUDE -90.50108333333333
			6308333333333

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	0	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1992	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	660		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.9	(48) LENGTH OF MAXIMUM SPAN	122 (49) STRUCTURE LENGTH	312
(47) TOTAL HORIZONTAL CLEARANCE	43.7			

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	R	(110) DESIGNATED NATIONAL NETWORK	0

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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.	13353	sq. ft.	11473	1880	0	0
1130 - Cracking (RC and Other)		1880			1880		
107 - Steel Open Girder/Beam	1- Ben.	1848	ft.	1848			
515 - Steel Protective Coating		16158	sq. ft.	14546	1612	0	0
3440 - Effectiveness (Steel Protective Coatings)		1612			1612		
205 - Reinforced Concrete Column	1- Ben.	6	each	6			
215 - Reinforced Concrete Abutment	1- Ben.	176	ft.	176			
234 - Reinforced Concrete Pier Cap	1- Ben.	132	ft.	132			
305 - Assembly Joint without Seal	1- Ben.	133	ft.	133			
310 - Elastomeric Bearing	1- Ben.	24	each	24			
331 - Reinforced Concrete Bridge Railing	1- Ben.	624	ft.	624			

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Pictures

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Bridge Inspection Report

Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/21/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 1 has 9ft. of sliding plate removed and replaced with concrete, (16 in. x 14 in. x 2 in deep). Section of concrete is missing reported 2012 was repaired, see 2014 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/21/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 4 south bridge end

Has excessive vibration and movement to sliding plate, mostly Right lane. Some joint spalls up to a 1in. deep with no rebar exposed, some are repaired with asphalt, see 2014 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/21/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 Girder 6 Splice 1

Has 2 splice bolts rusted, possibly loose Bottom Flange and 1 splice bolt loose in Web.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/21/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Approach Roadway near Bent 1 has heavy cracking with up to 1 1/2in. settlement to the left lane near left concrete gutter.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/21/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Top of Deck has several minor size and density sealable cracks

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/21/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Majority of Girders and Bearings have freckled rust, 10% paint deterioration

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/21/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Majority of Diaphragms have some rust.

Work Description:

Date Repairs Completed:

Maintenance Comments:
