

# Bridge Inspection Report

**06352**

**US49 - Stadium Blv  
over  
I-555**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

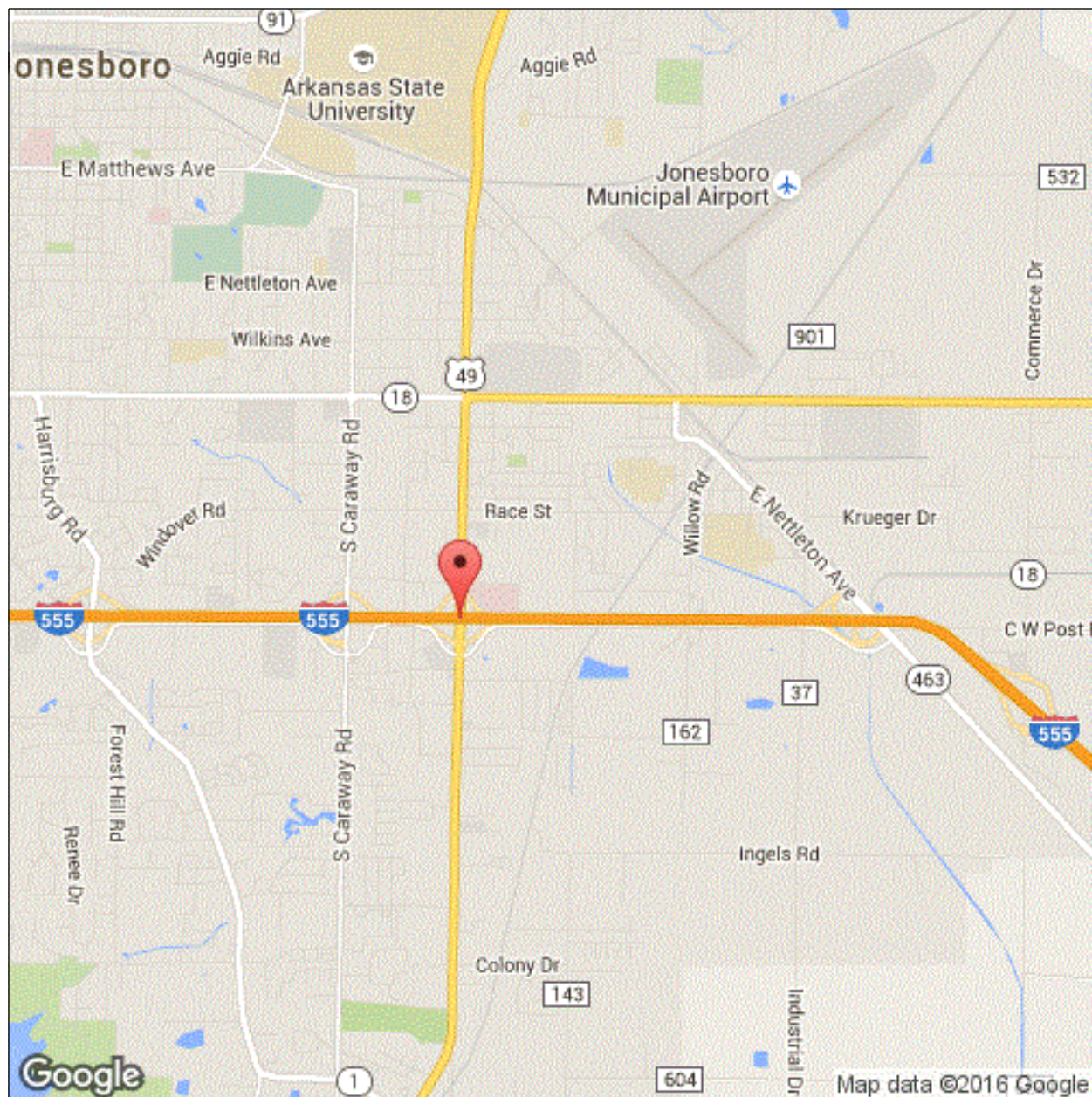
Structure Number: 06352

Inspection Date:

Facility Carried: US49 - Stadium Blv

## Bridge Inspection Report

### Location Map



Latitude: 35.80657

Longitude: -90.66929



Inspector:

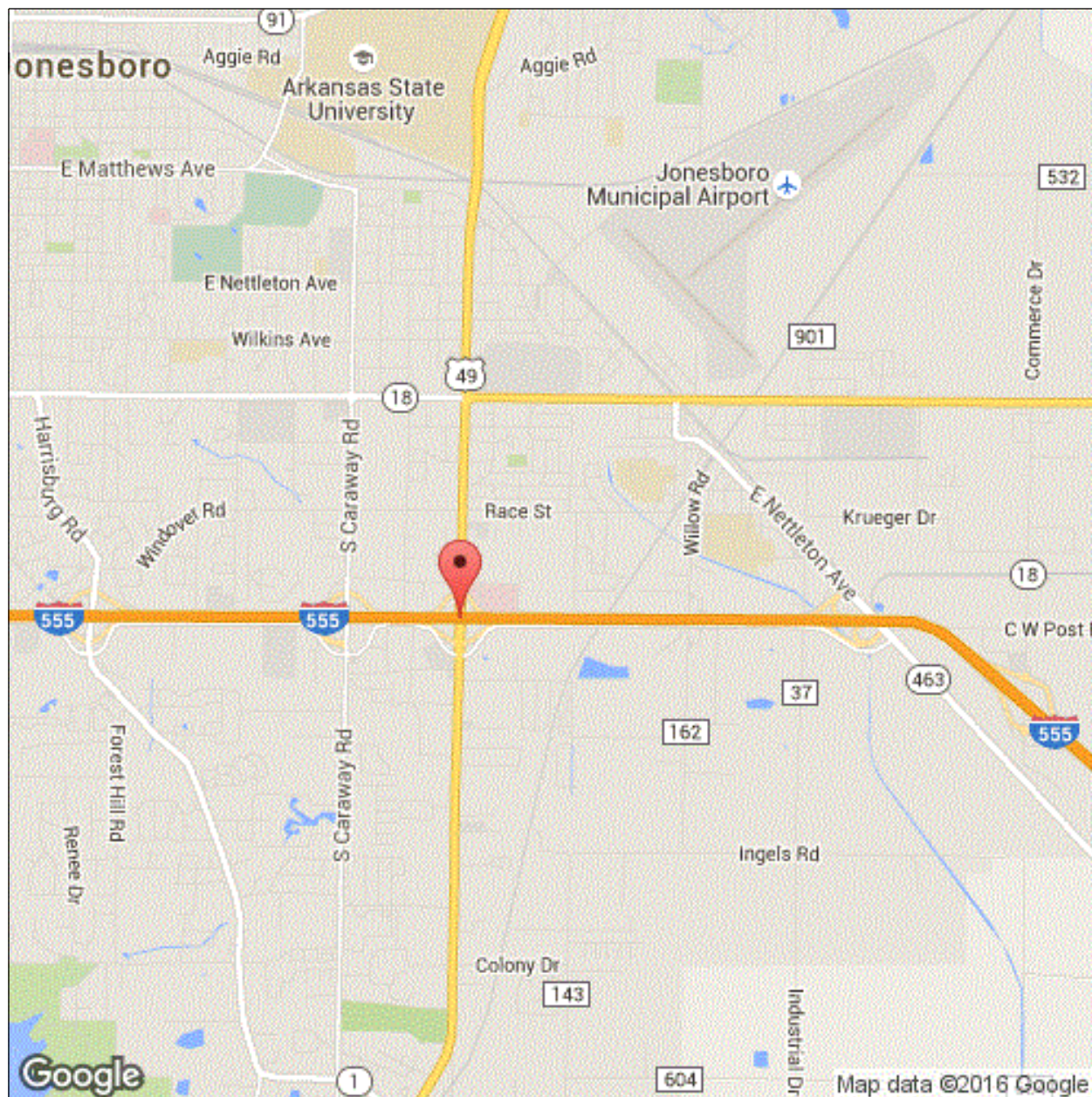
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### Location Map



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Inspector:

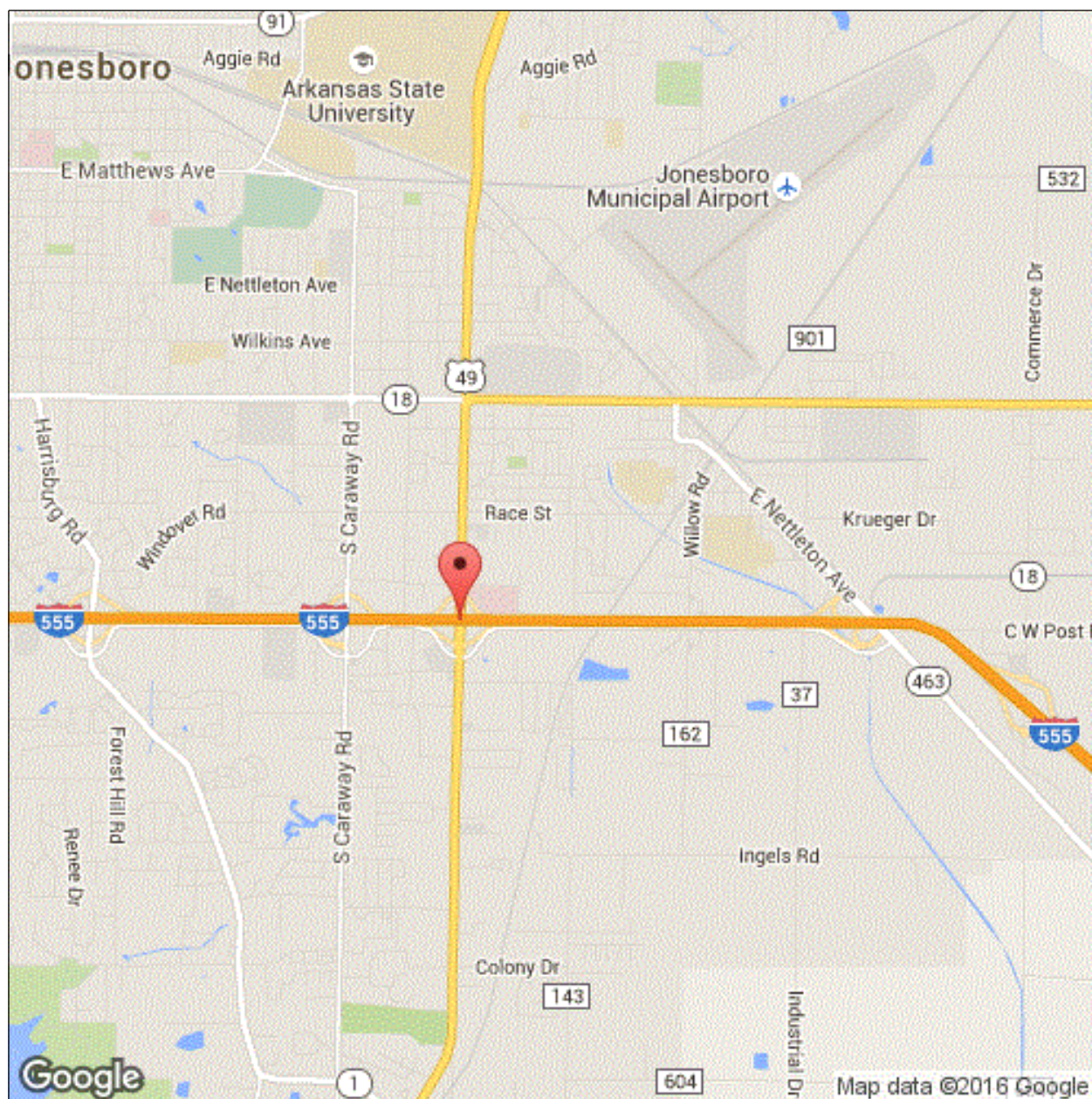
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## Bridge Inspection Report

### Location Map



Latitude: 35.80657

Longitude: -90.66929

**Inspector:**

**Structure Number:** 06352

**Inspection Date:**

**Facility Carried:** US49 - Stadium Blv

## **Bridge Inspection Report**

### **Executive Summary**

Inspection late due to inability to get access to snoopers

Inspector:

Structure Number: 06352

Inspection Date:

Facility Carried: US49 - Stadium Blv

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/13/2018
(8) STRUCTURE NUMBER	06352	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 49 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	34720	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-555	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US49 - Stadium Blv		
(9) LOCATION	JCT US 49 & I-555		
(11) MILEPOINT 14.370	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000049030 (13B) SUBROUTE NUMBER 01		
(16) LATITUDE 35.80657	(17) LONGITUDE -90.66929		
(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: 4 - Steel continuous		(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 8
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 4	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1991	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 6 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 04 UNDER 08		(64) OPERATING RATING	58
(29) AVERAGE DAILY TRAFFIC 36000	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	35
(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.) 101.0	(49) STRUCTURE LENGTH (ft.) 370	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	9
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 76.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.) 78.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 86.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0 (34) SKEW (DEG.) 0		(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.) 77.1		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.90		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 16.78		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 12.0		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 16.7		SUFFICIENCY RATING 91.2	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	14
(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 36233	(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

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
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	29189	sq. ft.	27490	1685	14	0
1090 - Exposed Rebar		14				14	
1120 - Efflorescence/Rust Staining		165			165		
1130 - Cracking (RC and Other)		1520			1520		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3680	ft.	3478	202	0	0
1000 - Corrosion		200			200		
1020 - Connection		2			2		
515 - Steel Protective Coating		49090	sq. ft.	42027	7063	0	0
3440 - Effectiveness (Steel Protective Coatings)		7063			7063		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	12	each	12			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	155	ft.	147	8	0	0
1120 - Efflorescence/Rust Staining		8			8		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	234	ft.	226	8	0	0
1080 - Delamination/Spall/Patched Area		1			1		
1130 - Cracking (RC and Other)		7			7		
<b>302 - Compression Joint Seal</b>	1- Ben.	158	ft.	0	0	158	0
2320 - Seal Adhesion		158				158	
<b>310 - Elastomeric Bearing</b>	1- Ben.	50	each	50			
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	741	ft.	613	128	0	0
1130 - Cracking (RC and Other)		128			128		



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# Bridge Inspection Report

## Pictures

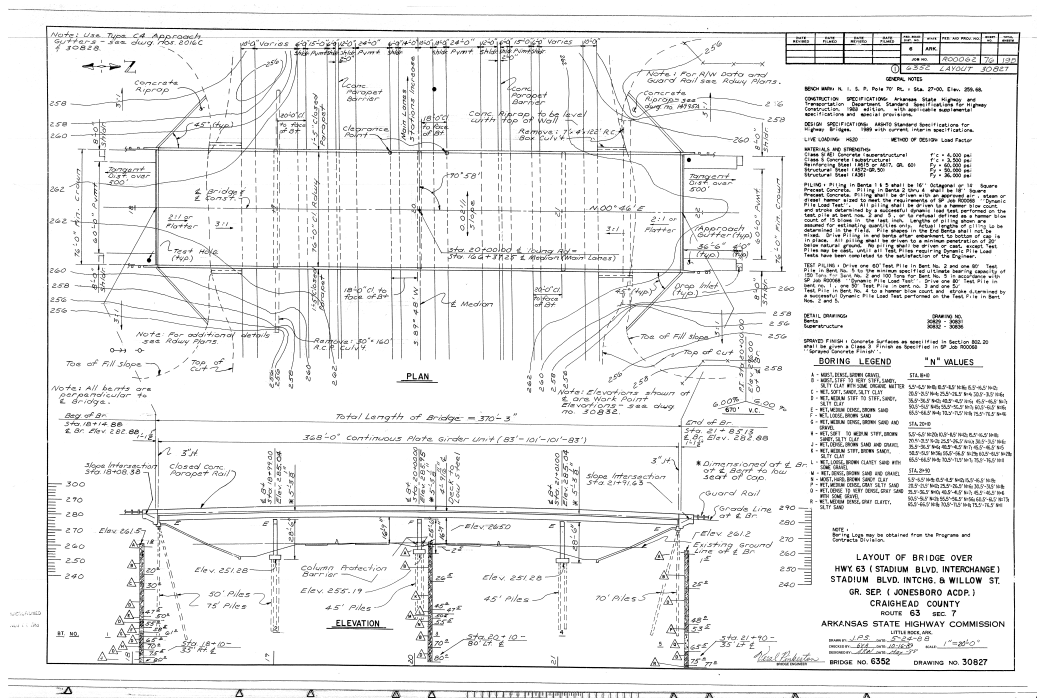


PHOTO 1

### Description

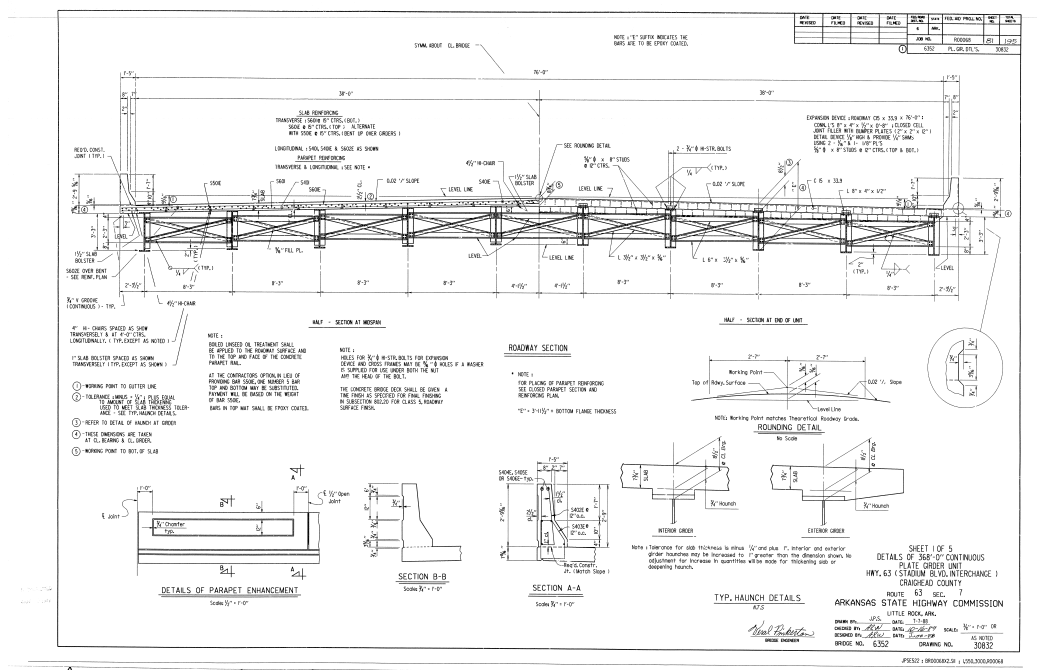


PHOTO 2

### Description

**Inspector:**

**Inspection Date:**

**Structure Number:** 06352

**Facility Carried:** US49 - Stadium Blv

**Bridge Inspection Report**

**Sketches**

Inspector:

Structure Number: 06352

Inspection Date:

Facility Carried: US49 - Stadium Blv

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 4/17/2012 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Concrete Deck Soffit

Span 3 bottom of deck between girders 1 and 2 has a 3 ft. L x 1 ft. W x 3 in. deep spall in bottom of deck with exposed rebar. see 2016 photo.

Span 3 bottom of deck between girders 1 & 2, 2 & 3, and 3 & 4 has rust and section loss to stay in place forms due to leakage thru deck. Span 3 Bay 1 has a 8ft. L x 1 ft. W x 3 in. deep spall with exposed rebar, and Span 3 bay 2 has 6ft. L x 1 ft. W x 3in. Deep area with rebar exposed at these location. (See photo 2018).

Leakage thru deck at each sawed joint resulting in rust and loss of section on stay in place forms .

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description



**Inspector:**

**Structure Number:** 06352

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**Bridge Inspection Report**

**Maintenance Needs**

**Date Reported:** 4/17/2012 12:00:00 AM

**Priority:** C - Important

**Work Code:**

---

**Deficiency Description:**

Steel Girders

Steel Girders have 15% paint deterioration and  
freckled rust esp. at splice locations.

Sp1 Girder 4 Splice 1, Sp 3 Girder 10 Splice 2 have one  
loose bolt in bottom flange.  
Sp 3 Diap. 1 between girders 7 and 8 has one loose bolt.

**Work Description:**

---

**Date Repairs Completed:**

**Maintenance Comments:**

---

Inspector:

Structure Number: 06352

Inspection Date:

Facility Carried: US49 - Stadium Blv

### Bridge Inspection Report

## Maintenance Needs

Date Reported: 4/17/2012 12:00:00 AM

Priority: C - Important

Work Code:

---

### Deficiency Description:

Concrete deck  
has moderate width cracking with cracks thru deck with efflorescence in overhangs.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1    Description

Inspector:

Structure Number: 06352

Inspection Date:

Facility Carried: US49 - Stadium Blv

### Bridge Inspection Report

## Maintenance Needs

Date Reported: 05/10/2016

Priority: C - Important

Work Code:

---

### Deficiency Description:

Compression joint seal

Seals at bent 1 & 5 are pulling loose, allowing leakage with dirt and debris on to abutments.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description



**Inspector:** Myrick, Tim

**Inspection Date:** 06/13/2018

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### **Bridge Inspection Report**

#### **Deck/Culvert Notes**

Inspection was late due to snooper schedule.  
Concrete rail has moderate width cracking.

Compression joint seal at bent 1 & 5 is pulling loose allowing leakage onto caps, especially bent 5.

Concrete deck has several sealable cracks, see photo 2018. Overhangs have cracks thru deck with efflorescence, see photo 2018.

Span 3 bottom of deck between girders 1 & 2, 2 & 3, and 3 & 4 has rust and section loss to stay in place forms due to leakage thru deck. Span 3 Bay 1 has a 8ft. L x 1 ft. W x 3 in. deep spall with exposed rebar, and Span 3 bay 2 has 6ft. L x 1 ft. W x 3in. Deep area with rebar exposed at these location. (See photo 2018).

#### **SuperStructure Notes**

Steel girders have 15% paint deterioration and freckle rust especially at splice locations and on splice plates. Span 4 bay 9 diaphragm 2 has 1 missing connection bolt, as built condition. Span 1 girder 4 splice 1, span 3 girder 10 splice 2 each have 1 loose bolt in bottom flange. Span 3 diaphragm 1 between girders 7 & 8 has 1 loose bolt. Bolts are still loose.

Elastomeric bearings are in good condition.

#### **SubStructure Notes**

Concrete caps have a few minor vertical & horizontal cracks, Bent 2 cap has 1 ft. delaminated area, no exposed rebar.

Bent 5 concrete abutment has vertical cracks with efflorescence.

Under clearances checked and verified this inspection.

Inspection late due to lack of access to snooper.