

# Bridge Inspection Report

**06554**

**Us49/Sec-10/L12.59**

**over**

**Crooked Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

Structure Number: 06554

Inspection Date:

Facility Carried: Us49/Sec-10/L12.59

## Bridge Inspection Report

### Location Map



Latitude: 34.55573

Longitude: -90.85151



Inspector:

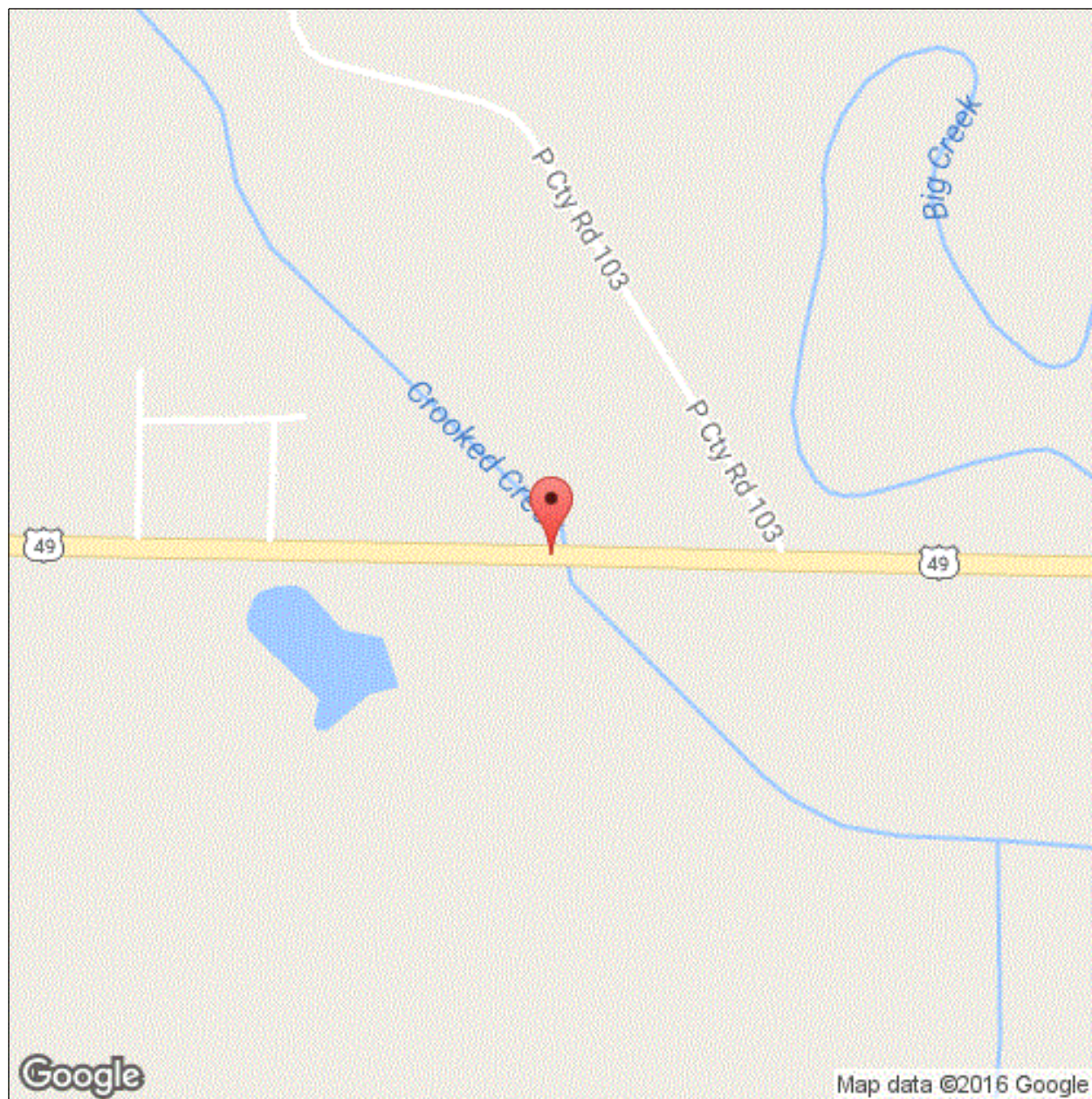
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## Bridge Inspection Report

### Location Map



Latitude: 34.55573

Longitude: -90.85151

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**Bridge Inspection Report**

**Executive Summary**

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/10/2018
(8) STRUCTURE NUMBER	06554	(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	01 (3) COUNTY CODE 107	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Crooked Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	Us49/Sec-10/L12.59		
(9) LOCATION	0.30 Mi East Jct Sh 316		
(11) MILEPOINT 12.590	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000049100 (13B) SUBROUTE NUMBER -1		
(16) LATITUDE 34.55573	(17) LONGITUDE -90.85151		
(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 7
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	8 (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 3	(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 1996	(106) YEAR RECONSTRUCTED 2006	(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	49.1
(29) AVERAGE DAILY TRAFFIC 5300	(19) BYPASS DETOUR LENGTH 16	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	29.0
(109) AVERAGE DAILY TRUCK TRAFFIC 16		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 40	(49) STRUCTURE LENGTH (ft.) 112	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	9
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 75.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 78.0		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 59.1		(72) APPROACH ROADWAY ALIGNMENT	7
(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.) 75.1		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	88.3 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 6050	(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	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0000

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## 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.	8598	sq. ft.	8448	150	0	0
	Soffit overhangs have transverse cracks with light efflorescence spaced three feet apart. Deck has transverse and longitudinal hairline cracks all spans.						
1120 - Efflorescence/Rust Staining		150		0	150	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1320	ft.	1320	0	0	0
515 - Steel Protective Coating		7154	sq. ft.	7154	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	199	ft.	164	35	0	0
	Both abutment back walls have vertical cracks with light efflorescence. Abutment #2 cap right side is undermined 10' for a depth of up to 6".						
1120 - Efflorescence/Rust Staining		25		0	25	0	0
6000 - Scour		10		0	10	0	0
<b>225 - Steel Pile</b>	1- Ben.	33	each	0	33	0	0
	Columns have small areas of spotty rust.						
515 - Steel Protective Coating		1222	sq. ft.	1192	30	0	0
3440 - Effectiveness (Steel Protective Coatings)		30		0	30	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	194	ft.	194	0	0	0
<b>301 - Pourable Joint Seal</b>	1- Ben.	156	ft.	0	156	0	0
	Joints are weathered and cracked.						
2340 - Seal Cracking		156		0	156	0	0
<b>310 - Elastomeric Bearing</b>	1- Ben.	48	each	42	0	6	0
	Abutment #1 bearings 1,2,3,12 and abutment #2 bearings #1&2 the sole plates are corroded with laminations.						
1000 - Corrosion		6		0	0	6	0
515 - Steel Protective Coating		108	sq. ft.	0	72	0	36
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	224	ft.	224	0	0	0

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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 1

Description



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**Bridge Inspection Report**

**Pictures**

PHOTO 2

Description

PHOTO 2

Description

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**Bridge Inspection Report**

**Sketches**

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 6/10/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Abutment #2 cap right side is undermined 10' for a depth of up to 6".

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Abutment #2 cap right end.

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### Maintenance Needs

Date Reported: 6/10/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

Small trees and bushes are growing beside and under bridge.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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#### Stage: Monitor



PHOTO 1    Description    Typical vegetation.