

# Bridge Inspection Report

**A6192**  
**I-555 S 02, SB LN**  
**over**  
**HWY463, B&N RR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: A6192

Inspection Date:

Facility Carried: I-555 S 02, SB LN

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/14/2016
(8) STRUCTURE NUMBER	A6192	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 3	(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	HWY463, B&N RR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555 S 02, SB LN		
(9) LOCATION	JCT I-555 & SH 463	CONDITION	
(11) MILEPOINT 39.54	(12) BASE HIGHWAY NETWORK 1	(58) DECK	7
(13A) LRS INVENTORY ROUTE	0000063070 (13B) SUBROUTE NUMBER 01	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 8
(16) LATITUDE 35.80680	(17) LONGITUDE -90.63518	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	6
		(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	60.0
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	7
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(68) DECK GEOMETRY	9
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(44) STRUCTURE TYPE, APPROACH SPANS		(71) WATERWAY ADEQUACY	N
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(72) APPROACH ROADWAY ALIGNMENT	7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(36) TRAFFIC SAFETY FEATURE	
(45) NUMBER OF SPANS IN MAIN	4 (46) NUMBER OF APPROACH	36A) BRIDGE RAILINGS:	1
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	36B) TRANSITIONS:	1
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
AGE OF SERVICE		(113) SCOUR CRITICAL BRIDGES	N
(27) YEAR BUILT	1989 (106) YEAR RECONSTRUCTED	SUFFICIENCY RATING	0 STATUS 93.0
(42) TYPE OF SERVICE	ON 1 UNDER 4	CLASSIFICATION	
(28) LANES	ON 02 UNDER 04	(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC	25560 (19) BYPASS DETOUR LENGTH	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(100) STRAHNET HIGHWAY DESIGNATION	1
		(101) PARALLEL STRUCTURE DESIGNATION	R
		(102) DIRECTION OF TRAFFIC	1
		(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
GEOMETRIC DATA		NAVIGATION DATA	
(48) LENGTH OF MAX SPAN (ft.)	92 (49) STRUCTURE LENGTH (ft.)	(38) NAVIGATION CONTROL	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(111) PIER OR ABUTMENT PROTECTION	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	47.9	(39) NAV VERT CLEARANCE (ft.)	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	50.8	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(32) APPROACH ROADWAY WIDTH (ft.)	60.0	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)		
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	48.9		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	R 24.40		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 21.7		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	5.3		
PROPOSED IMPROVEMENTS			
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	14091 (115) YEAR OF FUTURE ADT		
	2028		

Inspector:

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Facility Carried: I-555 S 02, SB LN

## Bridge Inspection Report

## National Bridge Inventory

## UNDER RECORD A

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555 SE 02, SB LN
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	A6192
(4) PLACE CODE	34720	(9) LOCATION	JCT. I-555 & SH 463
(5) INV. ROUTE (ON/UNDER)	A 3 1 463 3	(11) MILEPOINT	0.010 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	HWY463, B&N RR	(13A) LRS INVENTORY ROUTE	0000463010 (13B) SUBROUTE NUMBER 01
		(16) LATITUDE	35. (17) LONGITUDE -90.6369444444444
			8069444444444

## 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	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1989	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	1900		

## GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	27.9	(48) LENGTH OF MAXIMUM SPAN	92	(49) STRUCTURE LENGTH	503
(47) TOTAL HORIZONTAL CLEARANCE	50.8				

## CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06	(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

## UNDER RECORD B

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555 SE 03, SB LN
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	A6192
(4) PLACE CODE	34720	(9) LOCATION	JCT I-555 & SH 463
(5) INV. ROUTE (ON/UNDER)	B 3 1 463 1	(11) MILEPOINT	0.010 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	HWY463, B&N RR	(13A) LRS INVENTORY ROUTE	0000463010 (13B) SUBROUTE NUMBER 01
		(16) LATITUDE	35. (17) LONGITUDE -90.6369444444444
			8069444444444

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(27) YEAR BUILT	1989	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	1900		

## GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	28.70	(48) LENGTH OF MAXIMUM SPAN	92	(49) STRUCTURE LENGTH	503
(47) TOTAL HORIZONTAL CLEARANCE	63.0				

## CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06	(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	1

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## Bridge Inspection Report

## Element Inspection

## Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	25400	sq. ft.	24605	795	0	0
1120 - Efflorescence/Rust Staining		441		0	441	0	0
1130 - Cracking (RC and Other)		354		0	354	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3500	ft.	3458	42	0	0
1000 - Corrosion		42		0	42	0	0
515 - Steel Protective Coating		38885	sq. ft.	0	38885	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		388		0	388	0	0
3440 - Effectiveness (Steel Protective Coatings)		38497		0	38497	0	0
<b>205 - Reinforced Concrete Column</b>	1- Ben.	12	each	12	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	133	ft.	112	21	0	0
1130 - Cracking (RC and Other)		21		0	21	0	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	14	each	14	0	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	531	ft.	496	35	0	0
1130 - Cracking (RC and Other)		35		0	35	0	0
<b>302 - Compression Joint Seal</b>	1- Ben.	210	ft.	158	42	0	10
2320 - Seal Adhesion		10		0	0	0	10
2340 - Seal Cracking		42		0	42	0	0
<b>305 - Assembly Joint without Seal</b>	1- Ben.	139	ft.	0	139	0	0
2370 - Metal Deterioration or Damage		139		0	139	0	0
<b>310 - Elastomeric Bearing</b>	1- Ben.	77	each	0	77	0	0
1000 - Corrosion		77		0	77	0	0
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	3456	sq. ft.	3396	0	60	0
1130 - Cracking (RC and Other)		60		0	0	60	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1000	ft.	901	99	0	0
1090 - Exposed Rebar		12		0	12	0	0
1130 - Cracking (RC and Other)		84		0	84	0	0
7000 - Damage		3		0	3	0	0

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## Bridge Inspection Report

## Element Inspection

## Main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	17069	sq. ft.	16575	494	0	0
1120 - Efflorescence/Rust Staining		273			273		
1130 - Cracking (RC and Other)		221			221		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	2352	ft.	2338	14	0	0
1000 - Corrosion		14			14		
515 - Steel Protective Coating		28625	sq. ft.	0	28625	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		129			129		
3440 - Effectiveness (Steel Protective Coatings)		28496			28496		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	12	each	12			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	198	ft.	184	14	0	0
1130 - Cracking (RC and Other)		14			14		
<b>305 - Assembly Joint without Seal</b>	1- Ben.	139	ft.	0	139	0	0
2370 - Metal Deterioration or Damage		139			139		
<b>310 - Elastomeric Bearing</b>	1- Ben.	35	each	0	35	0	0
1000 - Corrosion		35			35		
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	672	ft.	590	82	0	0
1090 - Exposed Rebar		12			12		
1130 - Cracking (RC and Other)		70			70		

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## Element Inspection

## Approach

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	8331	sq. ft.	8030	301	0	0
1120 - Efflorescence/Rust Staining		168			168		
1130 - Cracking (RC and Other)		133			133		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1148	ft.	1120	28	0	0
1000 - Corrosion		28			28		
515 - Steel Protective Coating		10260	sq. ft.	0	10260	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		259			259		
3440 - Effectiveness (Steel Protective Coatings)		10001			10001		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	133	ft.	112	21	0	0
1130 - Cracking (RC and Other)		21			21		
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	14	each	14			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	333	ft.	312	21	0	0
1130 - Cracking (RC and Other)		21			21		
<b>302 - Compression Joint Seal</b>	1- Ben.	210	ft.	158	42	0	10
2320 - Seal Adhesion		10					10
2340 - Seal Cracking		42			42		
<b>310 - Elastomeric Bearing</b>	1- Ben.	42	each	0	42	0	0
1000 - Corrosion		42			42		
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	3456	sq. ft.	3396	0	60	0
1130 - Cracking (RC and Other)		60				60	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	328	ft.	311	17	0	0
1130 - Cracking (RC and Other)		14			14		
7000 - Damage		3			3		