

# Bridge Inspection Report

**A6170**  
**I555-SEC 03, SB LN**  
**over**  
**BN RR, SH 463**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: A6170

Inspection Date:

Facility Carried: I555-SEC 03, SB LN

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	07/13/2016		
(8) STRUCTURE NUMBER	A6170			(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				
(4) PLACE CODE	00000						
(6) FEATURES INTERSECTED	BN RR, SH 463						
(7) FACILITY CARRIED	I555-SEC 03, SB LN						
(9) LOCATION	.62 MI N BAY						
(11) MILEPOINT	34.41	(12) BASE HIGHWAY NETWORK	1				
(13A) LRS INVENTORY ROUTE	0000063070			(13B) SUBROUTE NUMBER	01		
(16) LATITUDE	35.75593	(17) LONGITUDE	-90.57872				
(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:	3 - Steel			(59) SUPERSTRUCTURE	7	(60) SUBSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(44) STRUCTURE TYPE, APPROACH SPANS				LOAD RATING AND POSTING			
A) KIND OF MATERIAL/DESIGN:	0 - Other			(31) DESIGN LOAD	6		
B) TYPE OF DESIGN/CONSTR:	00 - Other			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
(45) NUMBER OF SPANS IN MAIN	7	(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				APPRAISAL			
(27) YEAR BUILT	1986	(106) YEAR RECONSTRUCTED	0000				
(42) TYPE OF SERVICE	ON 1	UNDER 4					
(28) LANES	ON 02	UNDER 02					
(29) AVERAGE DAILY TRAFFIC	16000	(19) BYPASS DETOUR LENGTH	1				
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014						
(109) AVERAGE DAILY TRUCK TRAFFIC	1						
GEOMETRIC DATA				CLASSIFICATION			
(48) LENGTH OF MAX SPAN (ft.)	94	(49) STRUCTURE LENGTH (ft.)	454				
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0					
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	47.9						
(52) DECK WIDTH, OUT-TO-OUT (ft.)	50.8						
(32) APPROACH ROADWAY WIDTH (ft.)	47.9						
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	35				
(35) STRUCTURE FLARED	1	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99				
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	48.9						
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99						
(54) VERTICAL UNDER CLEARANCE (ft.)	R	23.25					
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	23.8					
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0						
PROPOSED IMPROVEMENTS				NAVIGATION DATA			
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(38) NAVIGATION CONTROL	N		
(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	9394	(115) YEAR OF FUTURE ADT	2028				
(20) TOLL	3						
(21) MAINTENANCE RESPONSIBILITY	01						
(37) HISTORICAL	5						
(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:

Structure Number: A6170

Inspection Date:

Facility Carried: I555-SEC 03, SB LN

## Bridge Inspection Report

## National Bridge Inventory

## UNDER RECORD A

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555-SEC3, SB LN
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	A6170
(4) PLACE CODE	00000	(9) LOCATION	.62 MI N BAY
(5) INV. ROUTE (ON/UNDER)	A 3 1 463 3	(11) MILEPOINT	4.660 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	BN RR, US 463	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.7573111111111 (17) LONGITUDE -90.5784527777778

## STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 3 - Steel  
 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	1986	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	5100		

## GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	27.3	(48) LENGTH OF MAXIMUM SPAN	94 (49) STRUCTURE LENGTH 454
(47) TOTAL HORIZONTAL CLEARANCE	73.4		

## CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07	(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

## UNDER RECORD B

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555-Sec3, SB LN
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	A6170
(4) PLACE CODE	00000	(9) LOCATION	.62 MI N BAY
(5) INV. ROUTE (ON/UNDER)	B 3 1 00463 0	(11) MILEPOINT	4.660 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	BN RR, HWY 463	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.7573111 (17) LONGITUDE -90.57845

## STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 3 - Steel  
 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	1986	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	5100		

## GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	23.2	(48) LENGTH OF MAXIMUM SPAN	94 (49) STRUCTURE LENGTH 454
(47) TOTAL HORIZONTAL CLEARANCE	73.3		

## CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

Inspector:

Structure Number: A6170

Inspection Date:

Facility Carried: I555-SEC 03, SB  
LN

## 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.	22961	sq. ft.	22151	810	0	0
1120 - Efflorescence/Rust Staining		302		0	302	0	0
1130 - Cracking (RC and Other)		508		0	508	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3806	ft.	2220	1420	166	0
1000 - Corrosion		1586		0	1420	166	0
515 - Steel Protective Coating		40463	sq. ft.	0	39711	752	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		752		0	0	752	0
3440 - Effectiveness (Steel Protective Coatings)		39711		0	39711	0	0
<b>205 - Reinforced Concrete Column</b>	1- Ben.	14	each	14	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	152	ft.	95	0	57	0
1130 - Cracking (RC and Other)		57		0	0	57	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	17	each	17	0	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	432	ft.	356	76	0	0
1130 - Cracking (RC and Other)		76		0	76	0	0
<b>302 - Compression Joint Seal</b>	1- Ben.	518	ft.	343	0	0	175
2320 - Seal Adhesion		175		0	0	0	175
<b>310 - Elastomeric Bearing</b>	1- Ben.	127	each	0	127	0	0
1000 - Corrosion		127		0	127	0	0
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	3658	sq. ft.	0	0	3658	0
1130 - Cracking (RC and Other)		3658		0	0	3658	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	904	ft.	841	63	0	0
1130 - Cracking (RC and Other)		63		0	63	0	0

Inspector:

Structure Number: A6170

Inspection Date:

Facility Carried: I555-SEC 03, SB  
LN

## 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.	9550	sq. ft.	9175	375	0	0
1120 - Efflorescence/Rust Staining		125			125		
1130 - Cracking (RC and Other)		250			250		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1504	ft.	0	1420	84	0
1000 - Corrosion		1504			1420	84	
515 - Steel Protective Coating		18058	sq. ft.	0	17974	84	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		84				84	
3440 - Effectiveness (Steel Protective Coatings)		17974			17974		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	14	each	14			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	144	ft.	125	19	0	0
1130 - Cracking (RC and Other)		19			19		
<b>310 - Elastomeric Bearing</b>	1- Ben.	32	each	0	32	0	0
1000 - Corrosion		32			32		
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	376	ft.	346	30	0	0
1130 - Cracking (RC and Other)		30			30		

Inspector:

Structure Number: A6170

Inspection Date:

Facility Carried: I555-SEC 03, SB  
LN

## Bridge Inspection Report

## 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.	13411	sq. ft.	12976	435	0	0
1120 - Efflorescence/Rust Staining		177			177		
1130 - Cracking (RC and Other)		258			258		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	2302	ft.	2220	0	82	0
1000 - Corrosion		82				82	
515 - Steel Protective Coating		22405	sq. ft.	0	21737	668	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		668				668	
3440 - Effectiveness (Steel Protective Coatings)		21737			21737		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	152	ft.	95	0	57	0
1130 - Cracking (RC and Other)		57				57	
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	17	each	17			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	288	ft.	231	57	0	0
1130 - Cracking (RC and Other)		57			57		
<b>302 - Compression Joint Seal</b>	1- Ben.	518	ft.	343	0	0	175
2320 - Seal Adhesion		175					175
<b>310 - Elastomeric Bearing</b>	1- Ben.	95	each	0	95	0	0
1000 - Corrosion		95			95		
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	3658	sq. ft.	0	0	3658	0
1130 - Cracking (RC and Other)		3658				3658	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	528	ft.	495	33	0	0
1130 - Cracking (RC and Other)		33			33		