

# Bridge Inspection Report

**B6192**  
**I-555 SEC03, NB**  
**over**  
**SH 463 B&N RR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: B6192

Inspection Date:

Facility Carried: I-555 SEC03, NB

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/14/2016
(8) STRUCTURE NUMBER	B6192	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 1	(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	SH 463 B&N RR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555 SEC03, NB		
(9) LOCATION	JCTI-555 & SH 463		
(11) MILEPOINT	39.54 (12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063070 (13B) SUBROUTE NUMBER 01		
(16) LATITUDE	35. (17) LONGITUDE -90.63543080587385		
	80700098558963		
(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:	3 - Steel		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder		
(45) NUMBER OF SPANS IN MAIN	4 (46) NUMBER OF APPROACH 3		
(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	1989 (106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(42) TYPE OF SERVICE	ON 1 UNDER 4	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 04	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	24000 (19) BYPASS DETOUR LENGTH 0	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(66) INVENTORY RATING	36.0
(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.)	92 (49) STRUCTURE LENGTH (ft.) 503	(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.)	47.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	50.8	(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.)	47.9	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.) 43	(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.)	48.9	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	R 23.27	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 21.7	(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.)	5.3	SUFFICIENCY RATING	0 STATUS 98.0
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	11
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT	14091 (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

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## Bridge Inspection Report

## National Bridge Inventory

## UNDER RECORD A

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555 SEC 02, NB
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	B6192
(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	SH 463 B&N RR	(13A) LRS INVENTORY ROUTE	0000463010 (13B) SUBROUTE NUMBER 01
		(16) LATITUDE	35. 8069694444445 (17) LONGITUDE -90.637075

## 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	25.01	(48) LENGTH OF MAXIMUM SPAN	92 (49) STRUCTURE LENGTH 503
(47) TOTAL HORIZONTAL CLEARANCE	51.0		

## 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	1
(101) PARALLEL STRUCTURE DESIGNATION	L	(110) DESIGNATED NATIONAL NETWORK	1

## UNDER RECORD B

## IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555 SEC 02, NB
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	B6192
(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	SH 463 B&N RR	(13A) LRS INVENTORY ROUTE	0000463010 (13B) SUBROUTE NUMBER 01
		(16) LATITUDE	35. 8069694444445 (17) LONGITUDE -90.637075

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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	26.19	(48) LENGTH OF MAXIMUM SPAN	92 (49) STRUCTURE LENGTH 503
(47) TOTAL HORIZONTAL CLEARANCE	62.9		

## 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	1
(101) PARALLEL STRUCTURE DESIGNATION	L	(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.	24622	778	0	0
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1120 - Efflorescence/Rust Staining		371		0	371	0	0
1130 - Cracking (RC and Other)		404		0	404	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3500	ft.	3430	42	28	0
1000 - Corrosion		70		0	42	28	0
515 - Steel Protective Coating		28625	sq. ft.	0	28135	490	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		490		0	0	490	0
3440 - Effectiveness (Steel Protective Coatings)		28135		0	28135	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.	118	15	0	0
1130 - Cracking (RC and Other)		15		0	15	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.	482	49	0	0
1130 - Cracking (RC and Other)		49		0	49	0	0
<b>302 - Compression Joint Seal</b>	1- Ben.	210	ft.	187	0	20	3
2320 - Seal Adhesion		23		0	0	20	3
<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.	3416	0	40	0
1130 - Cracking (RC and Other)		40		0	0	40	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1000	ft.	906	94	0	0
1090 - Exposed Rebar		12		0	12	0	0
1130 - Cracking (RC and Other)		82		0	82	0	0

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## 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.	16630	439	0	0
1120 - Efflorescence/Rust Staining		289			289		
1130 - Cracking (RC and Other)		150			150		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	2352	ft.	2324	0	28	0
1000 - Corrosion		28				28	
515 - Steel Protective Coating		28625	sq. ft.	0	28135	490	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		490				490	
3440 - Effectiveness (Steel Protective Coatings)		28135			28135		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	12	each	12			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	198	ft.	170	28	0	0
1130 - Cracking (RC and Other)		28			28		
<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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## 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.	8331	sq. ft.	7992	339	0	0
1080 - Delamination/Spall/Patched Area		3			3		
1120 - Efflorescence/Rust Staining		82			82		
1130 - Cracking (RC and Other)		254			254		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1148	ft.	1106	42	0	0
1000 - Corrosion		42			42		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	133	ft.	118	15	0	0
1130 - Cracking (RC and Other)		15			15		
<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.	187	0	20	3
2320 - Seal Adhesion		23				20	3
<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.	3416	0	40	0
1130 - Cracking (RC and Other)		40				40	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	328	ft.	316	12	0	0
1130 - Cracking (RC and Other)		12			12		