

Bridge Inspection Report

06402

CR148- H, 911= 638

over

I-555



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06402

Inspection Date:

Facility Carried: CR148- H, 911= 638

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/28/2017
(8) STRUCTURE NUMBER	06402	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 148 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-555	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	CR148- H, 911= 638		
(9) LOCATION	1.1 MI S OF JCT 463&I-555		
(11) MILEPOINT 0.770	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.74140	(17) LONGITUDE -90.57959		
(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 1993	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 04		(64) OPERATING RATING	60
(29) AVERAGE DAILY TRAFFIC 54	(19) BYPASS DETOUR LENGTH 2	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 1987		(66) INVENTORY RATING	36
(109) AVERAGE DAILY TRUCK TRAFFIC 0		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 86	(49) STRUCTURE LENGTH (ft.) 258	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.) 30.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 27.9		(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.) 27.9		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 16.5		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 29.6		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 8.0		SUFFICIENCY RATING	0 STATUS 100.0
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09
(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 72	(115) YEAR OF FUTURE ADT 2007	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(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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National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CO RD 148-ZONE H
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	06402
(4) PLACE CODE	00000	(9) LOCATION	1.1 MI S OF JCT 463&I555
(5) INV. ROUTE (ON/UNDER)	A 1 1 555 3	(11) MILEPOINT	33.42 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I-555	(13A) LRS INVENTORY ROUTE	0000063070 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.74138 (17) LONGITUDE -90.58001

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	2	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1993	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	0
(29) AVERAGE DAILY TRAFFIC	7000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.7	(48) LENGTH OF MAXIMUM SPAN	86 (49) STRUCTURE LENGTH 258
(47) TOTAL HORIZONTAL CLEARANCE	62.3		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

UNDER RECORD B

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CO RD 148-ZONE H
(3) COUNTY CODE	031	(8) STRUCTURE NUMBER	06402
(4) PLACE CODE	00000	(9) LOCATION	1.1 MI S OF JCT 463&I555
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(27) YEAR BUILT	1993	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	0
(29) AVERAGE DAILY TRAFFIC	7000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.8	(48) LENGTH OF MAXIMUM SPAN	86 (49) STRUCTURE LENGTH 258
(47) TOTAL HORIZONTAL CLEARANCE	61.6		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	7961	sq. ft.	0	7961	0	0
	Concrete deck has insignificant size and density cracks.						
1130 - Cracking (RC and Other)		617			617		
1190 - Abrasion/Wear (PSC/RC)		7344			7344		
107 - Steel Open Girder/Beam	1- Ben.	1024	ft.	1023	1	0	0
	Span 3, Girder4 at splice 2 has 1 bottom flange bolt loose. Steel girders have areas of paint peeling mainly on diaphragms at splice plates and on end near bumper blocks.						
1020 - Connection		1			1		
515 - Steel Protective Coating		10541	sq. ft.	10331	210	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		210			210		
205 - Reinforced Concrete Column	1- Ben.	6	each	6			
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	102			
234 - Reinforced Concrete Pier Cap	1- Ben.	99	ft.	99			
302 - Compression Joint Seal	1- Ben.	62	ft.	62			
311 - Movable Bearing	1- Ben.	8	each	0	8	0	0
	Rust is forming on bearings.						
1000 - Corrosion		8			8		
313 - Fixed Bearing	1- Ben.	12	each	0	12	0	0
	Rust is forming on bearings.						
1000 - Corrosion		12			12		
331 - Reinforced Concrete Bridge Railing	1- Ben.	512	ft.	449	63	0	0
	Concrete parapet walls have minor density vertical and horizontal, some with efflorescence and/ or rust stains.						
1120 - Efflorescence/Rust Staining		15			15		
1130 - Cracking (RC and Other)		48			48		