

Bridge Inspection Report

**06241
CO RD 65
over
I 49-Washington Co.**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06241

Inspection Date:

Facility Carried: CO RD 65

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	12/19/2016
(8) STRUCTURE NUMBER	06241	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 65 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	04 (3) COUNTY CODE 143	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I 49-Washington Co.	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	CO RD 65	CONDITION	
(9) LOCATION	0.02 W Jct CO RD 63	(58) DECK	7
(11) MILEPOINT 17.55	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	8 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(16) LATITUDE 35.96195	(17) LONGITUDE -94.19580	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	6
(45) NUMBER OF SPANS IN MAIN	2 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	6
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	N
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1992 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 1	36A) BRIDGE RAILINGS:	1
(28) LANES	ON 02 UNDER 04	36B) TRANSITIONS:	1
(29) AVERAGE DAILY TRAFFIC	604 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	1987	36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	N
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 99.9
(48) LENGTH OF MAX SPAN (ft.)	125 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	08
(32) APPROACH ROADWAY WIDTH (ft.)	29.9	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	H 18.0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 47.7	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	38.5	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	4
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	850 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CO RD 65
(3) COUNTY CODE	143	(8) STRUCTURE NUMBER	06241
(4) PLACE CODE	00000	(9) LOCATION	0.02 W CO RD 63
(5) INV. ROUTE (ON/UNDER)	A 1 1 49 3	(11) MILEPOINT	55.430 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I 49	(13A) LRS INVENTORY ROUTE	0000049080 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35. (17) LONGITUDE -94.195027777778
			962055555556

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	1992	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	9500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	22.1	(48) LENGTH OF MAXIMUM SPAN	125 (49) STRUCTURE LENGTH 252
(47) TOTAL HORIZONTAL CLEARANCE	99.9		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11	(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 65
(3) COUNTY CODE	143	(8) STRUCTURE NUMBER	06241
(4) PLACE CODE	00000	(9) LOCATION	0.02 W CO RD 63
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AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	0	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1992	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	9500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	18.2	(48) LENGTH OF MAXIMUM SPAN	125 (49) STRUCTURE LENGTH 252
(47) TOTAL HORIZONTAL CLEARANCE	99.9		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11	(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.	7500	sq. ft.	7415	85	0	0
	12/19/2016 - EJW & RWF - The driving surface of the deck has light wear and pop outs. Superficial map cracking with light efflorescence in random locations along the deck gutters adjacent to the bridge rail. Transverse cracks in the deck that appear to match the joints in the parapet walls are visible from the undersurface of the deck.						
1130 - Cracking (RC and Other)		85			85		
107 - Steel Open Girder/Beam	1- Ben.	1250	ft.	1250			
	12/19/2016 - EJW & RWF - No apparent or noteworthy deficiencies at this inspection. The paint systems of exterior surfaces of the exterior beams are beginning to chalk.						
515 - Steel Protective Coating		11610	sq. ft.	9574	2036	0	0
3410 - Chalking (Steel Protective Coatings)		2036			2036		
205 - Reinforced Concrete Column	1- Ben.	3	each	2	1	0	0
	12/19/2016 - EJW & RWF - Minor pop outs due to shale inclusion in the concrete from the construction process. The North column of Bent # 2 has one shallow baseball size spall with exposed reinforcing steel. Exposed reinforcing steel has no apparent section loss.						
1090 - Exposed Rebar		1			1		
215 - Reinforced Concrete Abutment	1- Ben.	260	ft.	0	257	3	0
	12/19/2016 - EJW & RWF - The West abutment has 3 vertical hairline cracks in the stem wall with the worst case measuring 1/8" wide. The retaining wall portions of the West abutment have areas of heavy map cracking. Minor debris accumulation on the cap. The East abutment has vertical hairline cracks that appear to propagate from the stem wall weep holes. The retaining wall portions of the East abutment have areas of light map cracking.						
1130 - Cracking (RC and Other)		260			257	3	
234 - Reinforced Concrete Pier Cap	1- Ben.	31	ft.	26	5	0	0
	12/19/2016 - EJW & RWF - The top of the Cap on the Lt & Rt ends have minor cracks that propagate from the bearing areas.						
1130 - Cracking (RC and Other)		5			5		
302 - Compression Joint Seal	1- Ben.	68	ft.	68			
	12/19/2016 - EJW & RWF - The deck joint seals are in place but they appear to leak water. The joint anchorage is sound at this inspection.						
311 - Movable Bearing	1- Ben.	10	each	10			
	12/19/2016 - EJW & RWF - The tilt set bolts on the bearings at Bent #2, Beam #1 and Bent #3, Beam #4 are unseated and stick out approx. 1" from the side of the bearing. Beam #3 has one anchor bolt nut missing at Bents #1 & 3. Bearings have a few isolated areas of light rust.						

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313 - Fixed Bearing	1- Ben.	5	each	5			
	12/19/2016 - EJW & RWF - No noteworthy deficiencies at this inspection.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	504	ft.	0	504	0	0
	12/19/2016 - EJW & RWF - Parapet walls have hairline map cracking. Vertical cracks at random spacing typical.						
1130 - Cracking (RC and Other)		504			504		