

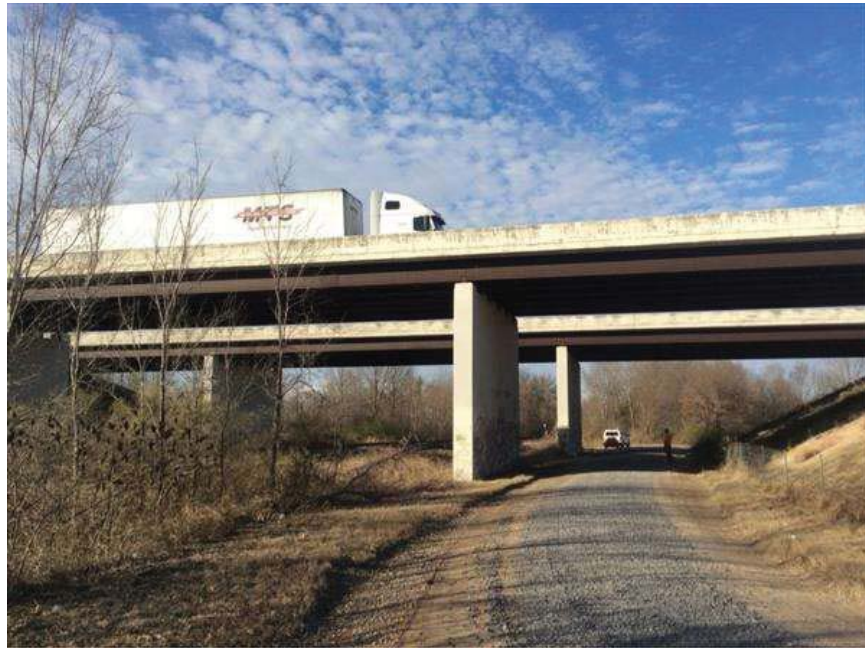
# Bridge Inspection Report

**B3731**

**I 40-SEC 43; EB LN**

**over**

**CO RD 179, SLSW RR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: B3731

Inspection Date:

Facility Carried: I 40-SEC 43; EB LN

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/25/2017
(8) STRUCTURE NUMBER	B3731	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 40 2	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 01	(3) COUNTY CODE 095	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	08200	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CO RD 179, SLSW RR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I 40-SEC 43; EB LN		
(9) LOCATION	0.3 E OF US 49 OVERPASS		
(11) MILEPOINT 216.060	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000040430	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	34.90890	(17) LONGITUDE	-91.19129
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(59) SUPERSTRUCTURE	9
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	N
A) KIND OF MATERIAL/DESIGN:	0 - Other	(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR:	00 - Other		
(45) NUMBER OF SPANS IN MAIN	3	(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	1966	(106) YEAR RECONSTRUCTED	2000
(42) TYPE OF SERVICE	ON 1 UNDER 4	(31) DESIGN LOAD	4
(28) LANES	ON 02 UNDER 02	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	15500	(64) OPERATING RATING	60.0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(109) AVERAGE DAILY TRUCK TRAFFIC	48	(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	92	(49) STRUCTURE LENGTH (ft.)	260
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(67) STRUCTURAL EVALUATION	8
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(68) DECK GEOMETRY	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	2
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(71) WATERWAY ADEQUACY	N
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	8
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(36) TRAFFIC SAFETY FEATURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	H 24.82	36A) BRIDGE RAILINGS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 3.3	36B) TRANSITIONS:	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	N
		SUFFICIENCY RATING	2
		STATUS	91.7
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	31	(75B) WORK DONE BY	1
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	296.0	(112) NBIS BRIDGE LENGTH	Y
(94) BRIDGE IMPROVEMENT COST (\$)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(95) ROADWAY IMPROVEMENT COST (\$)	247	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(96) TOTAL PROJECT COST	1084	(100) STRAHNET HIGHWAY DESIGNATION	1
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2000	(101) PARALLEL STRUCTURE DESIGNATION	R
(114) FUTURE ADT	17098	(102) DIRECTION OF TRAFFIC	1
(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	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

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### Bridge Inspection Report

## National Bridge Inventory

### UNDER RECORD 2

#### IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I 40-SEC 43; EB LN
(3) COUNTY CODE	095	(8) STRUCTURE NUMBER	B3731
(4) PLACE CODE	08200	(9) LOCATION	0.3 E OF US 49 OVERPASS
(5) INV. ROUTE (ON/UNDER)	2 4 0 179 0	(11) MILEPOINT	1.730 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	CO RD 179, SLSW RR	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	34.91 (17) LONGITUDE -91.188333333333

#### 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	1983
(27) YEAR BUILT	1966	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	48
(29) AVERAGE DAILY TRAFFIC	18		

#### GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	25.52	(48) LENGTH OF MAXIMUM SPAN	92 (49) STRUCTURE LENGTH	260
(47) TOTAL HORIZONTAL CLEARANCE	32.0			

#### CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09	(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

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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	11206	sq. ft.	9274	1932	0	0
	SOFFIT OVERHANGS HAVE TRANSVERSE CRACKS WITH EFFLORESCENCE. ALL SPANS HAVE TRANSVERSE CRACKS SPACED AT 6'+-.						
1120 - Efflorescence/Rust Staining		64			64		
1130 - Cracking (RC and Other)		1868			1868		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1560	ft.	1559	1	0	0
	SPAN #2 GIRDER # 4 AT FIRST BOTTOM SPLICE PLATE THERE IS ONE BOLT MISSING.						
1020 - Connection		1			1		
515 - Steel Protective Coating		13822	sq. ft.	13822			
<b>210 - Reinforced Concrete Pier Wall</b>	1- Ben.	82	ft.	82			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	136	ft.	130	6	0	0
	ABUTMENTS #1 AND #2 HAVE VERTICAL HAIRLINE CRACKS WITH EFFLORESCENCE.						
1120 - Efflorescence/Rust Staining		6			6		
<b>302 - Compression Joint Seal</b>	1- Ben.	86	ft.	86			
515 - Steel Protective Coating		172	sq. ft.	172			
<b>310 - Elastomeric Bearing</b>	1- Ben.	24	each	24			
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	1752	sq. ft.	1647	70	35	0
	ABUTMENT #1 APPROACH SLAB HAS ONE LONGITUDINAL CRACK ABUTMENT #2 APPROACH SLABS HAVE LARGE LONGITUDINAL CRACKS						
1130 - Cracking (RC and Other)		105			70	35	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	520	ft.	520			

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 1/23/2013 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

FIELD SPLICE

SPAN # 2 GIRDER # 4 1ST SPLICE

BOTTOM PLATE HAS BOLT MISSING

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1 Description

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 1/23/2015 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

DECK

ALL SPANS

DECK HAS UNSEALED TRANSVERSE CRACKS ALL SPANS.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1 Description



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 1/23/2015 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

APPROACH SLAB

ABUTMENT #2

RIGHT LANE

APPROACH SLAB HAS LARGE UNSEALED LONGITUDINAL CRACK.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1 Description

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 01/25/2017

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

EACH SPAN HAS 4 LONGITUDINAL UNSEALED CRACKS

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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#### Stage: Open



PHOTO 1 Description