

Bridge Inspection Report

03729
CO RD 184
over
I 40-SEC 43



**No overlay on
bridge deck**

Inspector:

Structure Number: 03729

Inspection Date:

Facility Carried: CO RD 184

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/15/2016
(8) STRUCTURE NUMBER	03729	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 184 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 095	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I 40-SEC 43	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	CO RD 184		
(9) LOCATION	2.04 MI W JCT US 49	CONDITION	
(11) MILEPOINT 0.820	(12) BASE HIGHWAY NETWORK 0	(58) DECK	6
(13A) LRS INVENTORY ROUTE 0000000000	(13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	8 (60) SUBSTRUCTURE 8
(16) LATITUDE 34.90313425757487	(17) LONGITUDE -91.23200060168904	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	2
		(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	48.0
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	29.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	6
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(68) DECK GEOMETRY	5
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	5
(44) STRUCTURE TYPE, APPROACH SPANS		(71) WATERWAY ADEQUACY	N
A) KIND OF MATERIAL/DESIGN: 0 - Other		(72) APPROACH ROADWAY ALIGNMENT	8
B) TYPE OF DESIGN/CONSTR: 00 - Other		(36) TRAFFIC SAFETY FEATURE	
(45) NUMBER OF SPANS IN MAIN 4		36A) BRIDGE RAILINGS:	0
(46) NUMBER OF APPROACH 0		36B) TRANSITIONS:	0
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1	36C) APPROACH GUARDRAIL:	1
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	36D) APPROACH GUARDRAIL ENDS:	1
AGE OF SERVICE		(113) SCOUR CRITICAL BRIDGES	N
(27) YEAR BUILT 1966	(106) YEAR RECONSTRUCTED 0000	SUFFICIENCY RATING	0 STATUS 86.7
(42) TYPE OF SERVICE ON 1	UNDER 1	CLASSIFICATION	
(28) LANES ON 02	UNDER 04	(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC 36	(19) BYPASS DETOUR LENGTH 124	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(30) YEAR OF AVERAGE DAILY TRAFFIC 1987		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(100) STRAHNET HIGHWAY DESIGNATION	0
GEOMETRIC DATA		(101) PARALLEL STRUCTURE DESIGNATION	N
(48) LENGTH OF MAX SPAN (ft.) 67	(49) STRUCTURE LENGTH (ft.) 216	(102) DIRECTION OF TRAFFIC	2
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1	RIGHT 1	(103) TEMP STRUCTURE	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	20.0	(105) FEDERAL LANDS HIGHWAYS	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	24.2	(110) DESIGNATED NATIONAL NETWORK	0
(32) APPROACH ROADWAY WIDTH (ft.)	22.0	(20) TOLL	3
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	(22) OWNER	01
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	22.3	(37) HISTORICAL	5
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	NAVIGATION DATA	
(54) VERTICAL UNDER CLEARANCE (ft.)	H 15.89	(38) NAVIGATION CONTROL	N
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 11.6	(111) PIER OR ABUTMENT PROTECTION	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	7.9	(39) NAV VERT CLEARANCE (ft.)	0
PROPOSED IMPROVEMENTS		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(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 42	(115) YEAR OF FUTURE ADT 2007		

Inspector:

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National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CO RD 184
(3) COUNTY CODE	095	(8) STRUCTURE NUMBER	03729
(4) PLACE CODE	00000	(9) LOCATION	2.04 MI W JCT US 49
(5) INV. ROUTE (ON/UNDER)	A 1 1 40 4	(11) MILEPOINT	213.700 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I 40-SEC 43	(13A) LRS INVENTORY ROUTE	0000040430 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	34. (17) LONGITUDE -91.231666666667
			9033333333333

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	5	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1966	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	13000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.4	(48) LENGTH OF MAXIMUM SPAN	67 (49) STRUCTURE LENGTH 216
(47) TOTAL HORIZONTAL CLEARANCE	43.8		

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 184
(3) COUNTY CODE	095	(8) STRUCTURE NUMBER	03729
(4) PLACE CODE	00000	(9) LOCATION	2.04 MI W JCT US 49
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(29) AVERAGE DAILY TRAFFIC	13000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.6	(48) LENGTH OF MAXIMUM SPAN	67 (49) STRUCTURE LENGTH 216
(47) TOTAL HORIZONTAL CLEARANCE	43.5		

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.	4732	sq. ft.	3944	788	0	0
	SPANS #2,3 HAVE SEVERAL OPEN HAIRLINE TRANSVERSE CRACKS. NO DELAMINATION OR SPALLING. CRACKS ARE REFLECTING THROUGH TO BOTTOM OF DECK WITH EFFLORESCENCE SPACED 3'+-						
1120 - Efflorescence/Rust Staining		788			788		
107 - Steel Open Girder/Beam	1- Ben.	856	ft.	856			
515 - Steel Protective Coating		5951	sq. ft.	5951			
205 - Reinforced Concrete Column	1- Ben.	6	each	5	1	0	0
	BENT #2 RIGHT COLUMN HAS 2 SMALL AREAS OF EXPOSED CAGE STEEL.						
1090 - Exposed Rebar		1			1		
215 - Reinforced Concrete Abutment	1- Ben.	68	ft.	66	2	0	0
	ABUTMENT #2 LEFT SIDE HAS TWO VERTICAL CRACKS						
1130 - Cracking (RC and Other)		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	75	ft.	70	5	0	0
	BENT #2&3 CAPS HAVE AREAS OF EXPOSED CAGE STEEL ON BOTTOM CHORD LEFT END. BENT #4 CAP AHEAD FACE HAS TWO VERTICAL CRACKS.						
1090 - Exposed Rebar		5			5		
305 - Assembly Joint without Seal	1- Ben.	120	ft.	120			
515 - Steel Protective Coating		360	sq. ft.	0	0	0	360
3440 - Effectiveness (Steel Protective Coatings)		360					360
311 - Movable Bearing	1- Ben.	16	each	16			
515 - Steel Protective Coating		32	sq. ft.	0	0	32	0
3440 - Effectiveness (Steel Protective Coatings)		32				32	
313 - Fixed Bearing	1- Ben.	16	each	16			
	BENT #2 AND #4 ANCHOR BOLT NUTS ARE LOOSE.						
515 - Steel Protective Coating		32	sq. ft.	0	0	32	0
3440 - Effectiveness (Steel Protective Coatings)		32				32	
331 - Reinforced Concrete Bridge Railing	1- Ben.	432	ft.	432			
333 - Other Bridge Railing	1- Ben.	432	ft.	432			

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Maintenance Needs

Date Reported: 11/15/2016

Priority: C - Important

Work Code:

Deficiency Description:

ABUTMENT #1 APPROACH ROADWAY HAS SEVERAL LARGE POTHoles AT BRIDGE END.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Top view

Stage: Open



PHOTO 2 Description Holes in abutment #1 approach roadway

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 11/29/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

BENTS #2 AND #4
FIXED BEARING ANCHOR BOLTS

NUTS ARE LOOSE ON ALL FOUR BEARINGS, EACH BENT.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description BENTS #2&4 FIXED BEARINGS
ANCHOR BOLT NUTS ARE LOOSE

Inspector:

Structure Number: 03729

Inspection Date:

Facility Carried: CO RD 184

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

APPROACH RAIL
ABUTMENT #1 RIGHT

RAIL CONNECTION LOOSE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment #1 right approach rail loose
at bridge end

Inspector:

Structure Number: 03729

Inspection Date:

Facility Carried: CO RD 184

Bridge Inspection Report

Maintenance Needs

Date Reported: 11/18/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

DECK

ALL SPANS

DECK HAS UNSEALED TRANSVERSE CRACKS WITH SOME REFLECTING THROUGH TO SOFFIT WITH EFFLORESCENCE. SPACED 3'+-

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Transverse deck cracks reflecting through to soffit with efflorescence spaced 3'

Stage: Monitor



PHOTO 2 Description