

# Bridge Inspection Report

**01701**

**CR 1785 Benton Co.**

**over**

**WILDCAT CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 01701

Inspection Date:

Facility Carried: CR 1785 Benton Co.

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/20/2015
(8) STRUCTURE NUMBER	01701	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 1785 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	09 (3) COUNTY CODE 007	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	WILDCAT CREEK	C. OTHER SPECIAL	Y 3 02/01/2017
(7) FACILITY CARRIED	CR 1785 Benton Co.	CONDITION	
(9) LOCATION	.21 MI W OF WASHINGTON CO	(58) DECK	3
(11) MILEPOINT 6.610	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(16) LATITUDE 36.188011	(17) LONGITUDE -94.337326	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(66) INVENTORY RATING	0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	0
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	K
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	0
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	0
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1955 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	6250 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	1992	36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	8
GEOMETRIC DATA		SUFFICIENCY RATING	1 STATUS 2.0
(48) LENGTH OF MAX SPAN (ft.)	55 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	25.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.8	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(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.)	28.9	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	02
PROPOSED IMPROVEMENTS		(22) OWNER	02
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	(37) HISTORICAL	4
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	198.0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	125	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	484	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	8814 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

Inspection Date:

Structure Number: 01701

Facility Carried: CR 1785 Benton  
Co.

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 08/20/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Spall with rebar exposed at span #2 left drain.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1      Description      Spall with rebar exposed in span #2 left drain.

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 08/20/2015

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Spall with rebar exposed under bent #1 cap left side.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Spall with rebar exposed under bent #1  
left side cap

Inspector:

Inspection Date:

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Bridge Inspection Report

**Maintenance Needs**

Date Reported: 08/20/2015

Priority: D - Routine

Work Code:

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Deficiency Description:

Dirt and debris in gutter line of deck- not allowing proper drainage.

Work Description:

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Date Repairs Completed: undefined/undefined/

Maintenance Comments:

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Inspector:

Structure Number: 01701

Inspection Date:

Facility Carried: CR 1785 Benton Co.

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 08/30/2016

Priority: A - Safety deficiency; requires prompt action

Work Code:

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#### Deficiency Description:

Deck, Span # 3, Left lane -

The Left lane of span # 3 has a large area of spalling / concrete deterioration that has developed since last inspection. The spalled area is approximately 3' x 6' x 4" deep with both mats of reinforcing steel visible. The undersurface of the affected area is showing distress with numerous cracks and leaching.

#### Work Description:

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Date Repairs Completed:

#### Maintenance Comments:

09/01/2016 - RSM - Benton County Judge Bob Clinard was contacted by phone at approximately 8:55 am this date. The Judge was made aware of the hole in the Left lane of span #3 that appears to be close to a full depth failure. He stated that they would take a look at it today and have maintenance personnel get started on it in the next day or so.

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Stage: Open



PHOTO 1 Description

Inspector:

Inspection Date:

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 8/30/2011 12:00:00 AM

Priority: C - Important

Work Code:

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Deficiency Description:

Channel at Bent # 2-

Drift and scour hole around column

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Forward Local



PHOTO 1      Description      Large amount of drift on pier #2  
causing local scour.

Inspector:

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 8/30/2011 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Steel superstructure and bearings  
Pitting and visible rust

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Forward Local



PHOTO 1      Description      Girder #4 showing corrosion and pitting. Typical of several locations on structure.



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#### Maintenance Needs

Date Reported: 08/20/2015

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Bents #1 & #2 caps-  
Delamination, deterioration, cracking and leaching

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Forward Local



PHOTO 1      Description      Bent #2 cap ahead side right- showing cracking, leaching, and rust staining. Left side in same condition.

Stage: Forward Local



PHOTO 2      Description      Bent #1 cap left side back. Cracking with efflorescence leakage.

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#### Maintenance Needs

Date Reported: 8/30/2011 12:00:00 AM

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Deck spans #1 and #3- partial depth failures have been temporarily repaired with steel plates.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Forward Local



PHOTO 1      Description      Underside repairs to span #1 bay #3 full depth failure. (Steel plate has been placed on deck)

Stage: Forward Local



PHOTO 2      Description      Full depth failure in span #3 bay #3 ( covered with steel plate)

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#### Maintenance Needs

Date Reported: 8/30/2011 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

Span # 3 bays # 1 and 3 have large areas where the bottom of concrete deck has released from bottom mat steel.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Forward Local



PHOTO 1      Description      Span 3 Bay 3 - Spalling with steel exposed in undersurface.