

# Bridge Inspection Report

**03581**  
**SH 5 WHITE COUNTY**  
**over**  
**CEDAR CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 03581

Inspection Date:

Facility Carried: SH 5 WHITE  
COUNTY

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/06/2018
(8) STRUCTURE NUMBER	03581	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 5 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CEDAR CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 5 WHITE COUNTY		
(9) LOCATION	2.00 MI S JCT OF SH 36		
(11) MILEPOINT 14.470	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000005140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.30146	(17) LONGITUDE -92.08185		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	5 (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 3	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1962	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	42.0
(29) AVERAGE DAILY TRAFFIC 4100	(19) BYPASS DETOUR LENGTH 28	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	25.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 25	(49) STRUCTURE LENGTH (ft.) 75	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 2.2 RIGHT 2.2		(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 24.25		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 28.5		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 22.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 25.9		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	2 STATUS 55.1
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 101.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$) 0		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$) 156		(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST 403		(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE 2002		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 5963	(115) YEAR OF FUTURE ADT 2028	(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	0
		(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

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## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	1950	sq. ft.	1703	53	194	0
<div style="border: 1px solid red; padding: 5px; display: inline-block; color: red;">Note: 3.8" of ACHM overlay on deck</div>	Cracks, spalls with rebar exposed to outside edge of deck on Left & Right sides over bents. Vertical cracks to outside edge of deck to Left & Right sides @ mid-span @ all spans. Random cracks with rust stains to soffit @ Spans 1 & 3. Minor efflorescent cracking to soffit @ all spans. Spall with 2' rebar exposed to soffit & Span 2. Asphalt overlay is cracked @ all spans.						
1080 - Delamination/Spall/Patched Area		5			3	2	
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		175			10	165	
1130 - Cracking (RC and Other)		65			40	25	
510 - Wearing Surfaces		1819	sq. ft.	1269	0	550	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		50				50	
3220 - Crack (Wearing Surface)		500				500	
205 - Reinforced Concrete Column	1- Ben.	4	each	2	0	2	0
	Cracks to Columns 1 & 2 @ Bent 2.						
1130 - Cracking (RC and Other)		2				2	
234 - Reinforced Concrete Pier Cap	1- Ben.	126	ft.	123	1	2	0
	Vertical efflorescent cracking to backside of cap @ Bent 1. Spall with 2' rebar exposed to cap @ Abutment 2.						
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		1			1		
301 - Pourable Joint Seal	1- Ben.	66	ft.	66			
	Pourable joint seal is not visible due to a/c overlay.						
330 - Metal Bridge Railing	1- Ben.	150	ft.	150			
515 - Steel Protective Coating		450	sq. ft.	450			

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 03/08/2016

Priority: D - Routine

Work Code:

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Deficiency Description:

Visible settlement to roadway @ Abutment 1 & 2.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Visible settlement to Roadway @  
Abutment 1 & 2.

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 03/06/2018

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Log Mile sign is missing @ Abutment 2. Should read 14.47.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

---

Stage: Open



PHOTO 1      Description      Log Mile sign is missing @ Abutment 2.  
Should read 14.47.



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 03/06/2018

Priority: C - Important

Work Code: N/A

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#### Deficiency Description:

Severe erosion to Slope @ Abutment 1.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Severe erosion to Slope @ Abutment 1.

Stage: Open



PHOTO 2      Description      Severe erosion to Slope @ Abutment 1.

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 3/2/2012 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Spall with 1' rebar exposed to outside edge of deck on Right side of Span 2.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Spall with 1' rebar exposed to outside edge of deck on Right side of Span 2.

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 03/02/2012

Priority: D - Routine

Work Code:

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Deficiency Description:

Cracks to outside edge of deck over Bents 1 & 2.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Cracks to outside edge of deck over  
Bents 1 & 2.