



Latitude:35.01158, Longitude:-92.07081

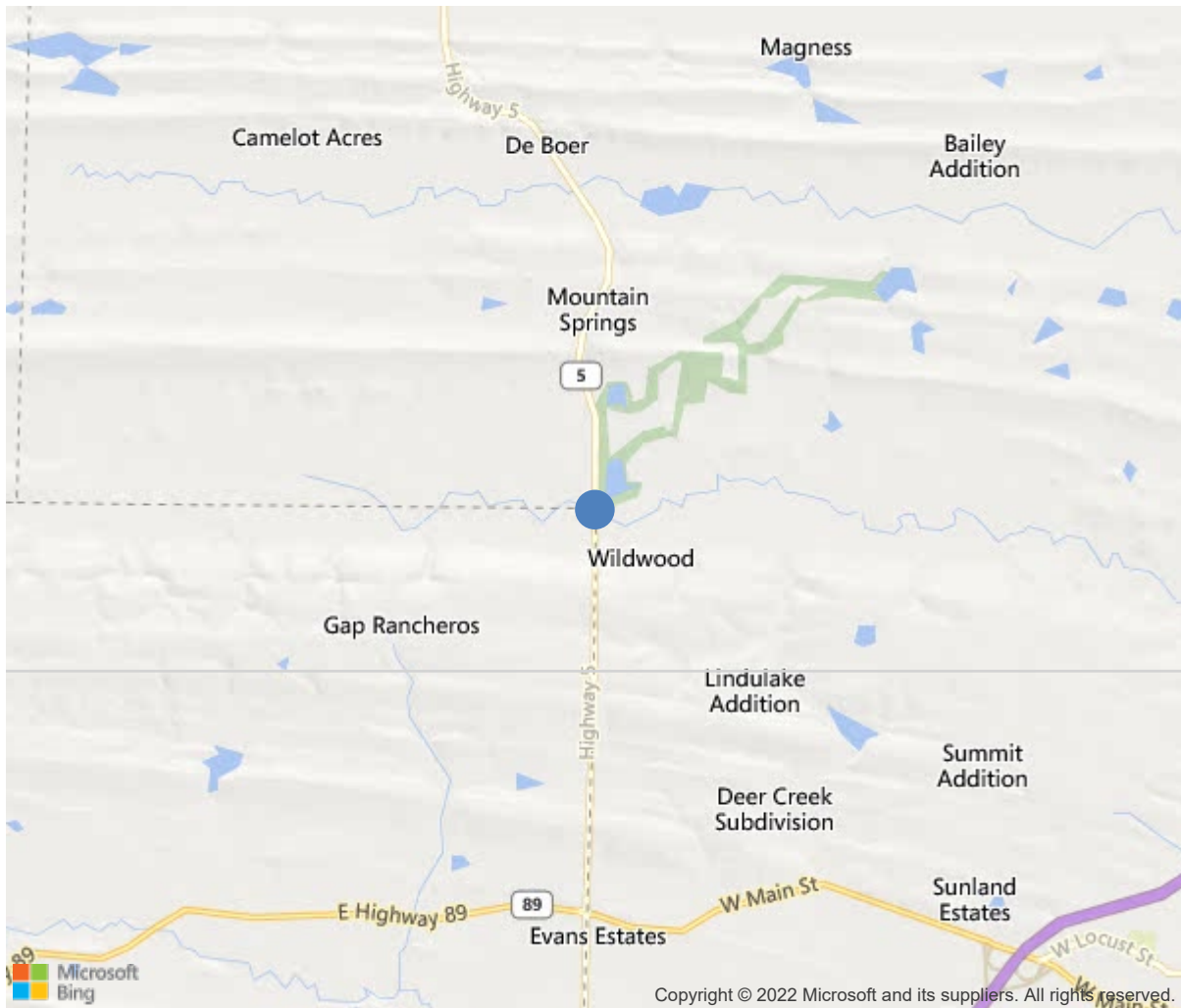
Route:5 Section:12 Log:4.719

Arnold Road ID:43x5x12xA, Arnold Log mile:4.706

District 06, Lonoke County

Owner: 1-State Highway Agency

2.5 MI N OF JCT SH 5 & 89



35.01158, -92.07081

Inspection Direction : S to N



**Bridge #05238(Routine)**  
**SH 5 Log 4.72 over FOUR MILE CREEK**  
**Location: 2.5 MI N OF JCT SH 5 & 89**

**Team Lead: Keith Harris Inspection Date: October 12, 2021**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05238
(5) Inventory Route	5
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	FOUR MILE CREEK
(7) Facility Carried	SH 5 Log 4.72
(9) Location	2.5 MI N OF JCT SH 5 & 89
(11) Mile Point	4.719 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.01158
(17) Longitude	-92.07081
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
Type	1-Slab
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1968
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	17000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	9 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	112 ft
(50) Curb or Sidewalk Width	
Left	1.8 ft
Right	1.8 ft
(51) Bridge Roadway Width Curb to Curb	34.1 ft
(52) Deck Width Out to Out	38 ft
(32) Approach Roadway Width (W/Shoulders)	41 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	35.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0-No navigation control on water
(111) Pier Protection	1-Navigation protection not requ
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	14-Urban Other Principal Arterial
(100) Defense Highway	0-The inventory route is not a S
(101) Parallel Structure	N-No parallel structure exists.
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	0-The inventory route is not part of
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	36
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(113) Scour Critical Bridges	8-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	20716
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			10/2021
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			

**Team Lead:** Keith Harris, **Inspection Date:** October 12, 2021

[illegible]





Elevation



Approach





Deck overview



Span 2 under view





Right side of spans 2&3 over bent 3: spall and spall with exposed rebar



Span 1 abrasion



### Maintenance Needs

**Date Reported:** 10/07/2015  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:**

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### Deficiency Description

All of joint seal material is missing and all of the joints are impacted, causing the bridge to lengthen at least 2 1/2".

### Remarks

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Bent 3 looking left. The joint seal is missing and the joint is 1 1/4" width and filled with debris.





Joint at bent 4, looking left. 1 5/8 inch wide with no seal.



Bent 2, the joint seal is missing and impacted with debris. 1" width.



All of joint seal material is missing and all of the joints are impacted, causing the bridge to lengthen at least 2 1/2".

Northeast corner of bridge.



**Date Reported:** 10/07/2015  
**Priority:** B - Pressing; 6 month completion goal  
**Type of Work:** None  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

North side of the northbound lane: the approach rail is damaged and 7 of the posts are broken off allowing rebar to stick up.

**Remarks**

Assigned North Pulaski 06601 11-2-15

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Looking southbound, the left approach rail has all of the posts and spacer block broken due to collision damage.



North side of the northbound lane: the approach rail is damaged and 7 of the posts are broken off allowing rebar to stick up.



North side of the northbound lane: the approach rail is damaged and 7 of the posts are broken off allowing rebar to stick up.



**Date Reported:** 10/08/2019  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Bent 2, right end cap has spall with exposed rebar.  
Bent 3 right end of cap has spall with exposed rebar.

**Remarks**

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Ahead side of bent 2: large spall with exposed rebar



Bent 2 spall with exposed rebar on ahead face



**Bridge #05238**(Routine)  
**SH 5 Log 4.72 over FOUR MILE CREEK**  
**Location: 2.5 MI N OF JCT SH 5 & 89**

**Team Lead:** Keith Harris **Inspection Date:** October 12, 2021

**Inspection Comments**

Job 1347, drawing 15879

Logged Northbound.

Channel Profile added 10/2021.