



Latitude:35.06662, Longitude:-92.08606

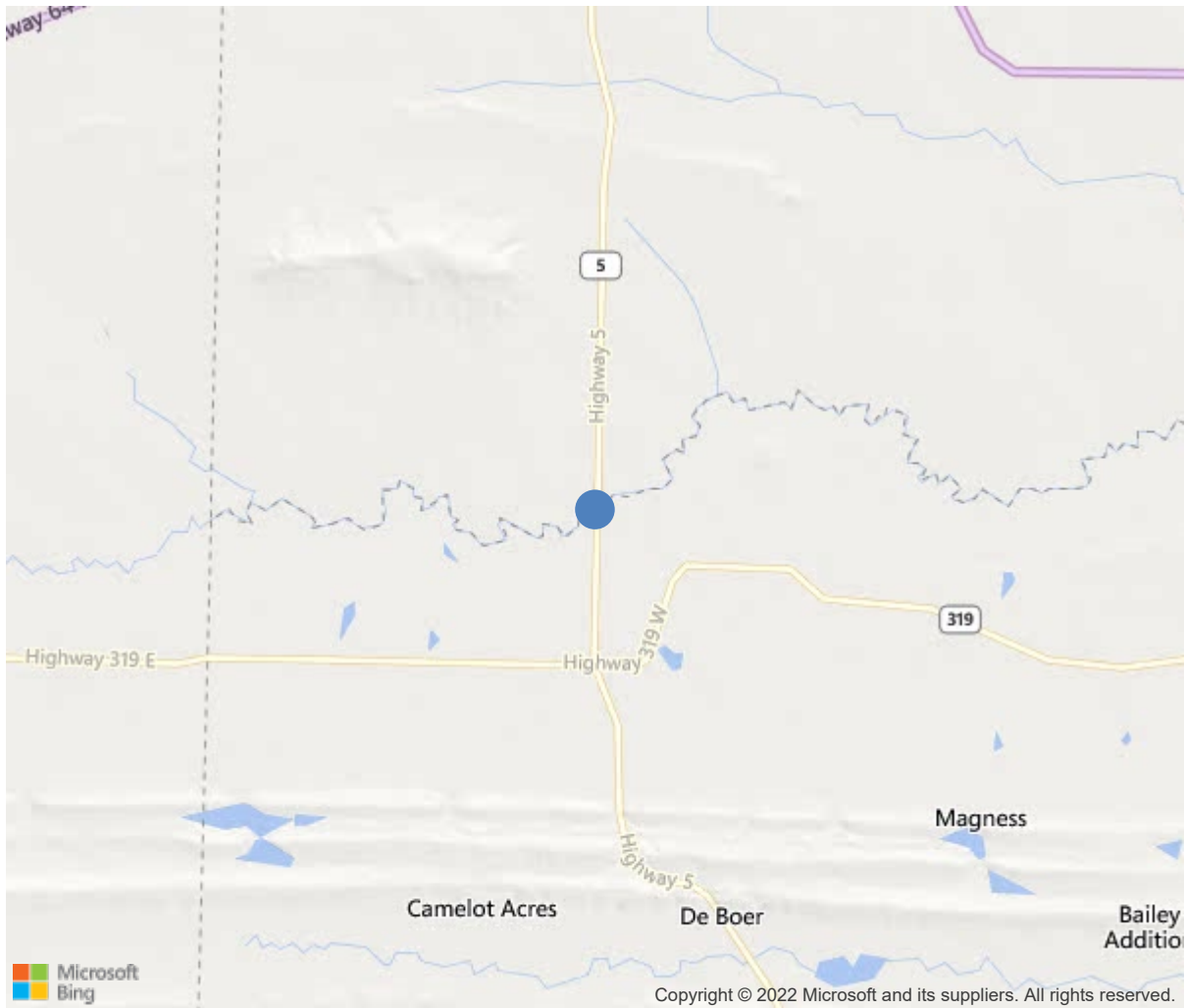
Route:5 Section:12 Log:8.978

Arnold Road ID:43x5x12xA, Arnold Log mile:8.962

District 06, Lonoke County

Owner: 1-State Highway Agency

1.0 MI N OF JCT SH 319



35.06662, -92.08606

Inspection Direction : S to N





Bridge #05240(Routine)

SH 5 Log 8.98 over CYPRESS BAYOU

Location: 1.0 MI N OF JCT SH 319

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05240
(5) Inventory Route	5
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	CYPRESS BAYOU
(7) Facility Carried	SH 5 Log 8.98
(9) Location	1.0 MI N OF JCT SH 319
(11) Mile Point	8.978 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000005120
(16) Latitude	35.06662
(17) Longitude	-92.08606
(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	6
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6-Bituminous
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	5425
(30) Year of ADT	2018
(109) Truck ADT	7 %
(19) Bypass, Detour Length	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	168 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)	30.8 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	2-Rural Principal Arterial - Oth
(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	6
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	5
(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	7320
(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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6104	5495	494	115	0
1080	Delamination/Spall/Patched Area	SF	9	0	4	5	0
1120	Efflorescence/Rust Staining	SF	110	0	0	110	0
1130	Cracking (RC and Other)	SF	490	0	490	0	0
510	Wearing Surfaces	SF	5417	4385	35	997	0
3210	Delam/Spall/Patched Area/Pothole	SF	67	0	35	32	0
3220	Crack (Wearing Surface)	SF	965	0	0	965	0
(38)							
Span 3 has delaminations on the soffit. The soffit of all spans have longitudinal cracks with some rust staining and efflorescence. Small spall with exposed rebar in span 1 adjacent to left side of bent 2							
(38-510)							
Bents 2,4,5&6 have open spalls in the asphalt overlay over joints							
205	Reinforced Concrete Column	EA	10	3	7	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1190	Abrasion/Wear (PSC/RC)	EA	6	0	6	0	0
(205)							
The columns of bents 3,4 & 5 have surface abrasion on the lower four feet. Bent 2 column 1 has a spall at ground line.							
215	Reinforced Concrete Abutment	LF	78	78	0	0	0
234	Reinforced Concrete Pier Cap	LF	170	161	0	9	0
1080	Delamination/Spall/Patched Area	LF	3	0	0	3	0
1090	Exposed Rebar	LF	6	0	0	6	0
(234)							
The ahead face of bent 4 has Spalls and exposed rebar.							
330	Metal Bridge Railing	LF	336	336	0	0	0
(330)							
Double tubular aluminum rail on both bridge rail.							





Elevation



Deck overview





Span 4 under view



Spall on Right side of span 5 at bent 6





Bent 2 column 1 has a spall at ground line.



Approach



## Maintenance Needs

**Date Reported:** 10/08/2015  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:**

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## Deficiency Description

Bent 4, ahead side of the cap.  
Spalls with exposed rebar.

## Remarks

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Ahead side of bent 4 with couple large spalls with exposed rebar.



Bent 4 ahead side, looking back.  
Spalls and exposed rebar.





Bent 4 cap ahead spalls with exposed rebar.



Ahead side of bent 4 with couple large spalls with exposed rebar.

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

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**Deficiency Description**

Bents 2,4,5&6 have open spalls in the asphalt overlay over joints

**Remarks**

Assigned to Pulaski I 7/15/2020

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Bent 3: joint with open spalls in the asphalt overlay



Bent 2 joint with open spalls in the asphalt overlay





**Bridge #05240**(Routine)  
**SH 5 Log 8.98 over CYPRESS BAYOU**  
**Location: 1.0 MI N OF JCT SH 319**

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

**Inspection Comments**

Job 1347, drawing 15881

Logged Northbound.

Channel profile added 10/2021