



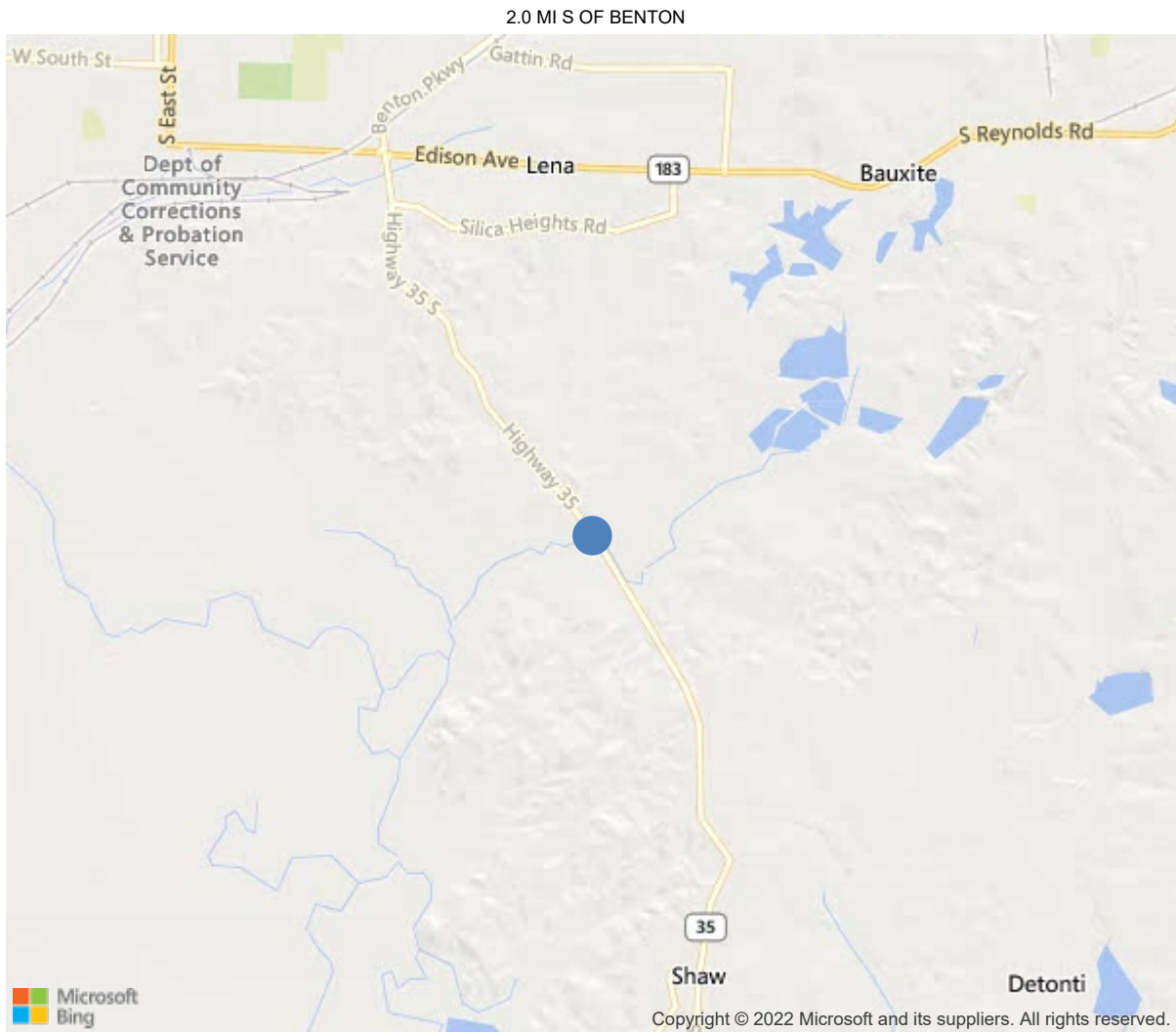
Latitude:34.52939, Longitude:-92.54848

Route:35 Section:01 Log:4.92

Arnold Road ID:62x35x1xA, Arnold Log mile:4.914

District 06, Saline County

Owner: 1-State Highway Agency



34.52939, -92.54848

Inspection Direction : N to S





Bridge #03021(Routine)

SH 35 Log 4.92 over HOLLY CREEK

Location: 2.0 MI S OF BENTON

Team Lead: Chris Doggett Inspection Date: March 03, 2022

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03021
(5) Inventory Route	35
(2) Highway Agency District	06
(3) County Code	125-Saline County, Arkansas
(4) Place Code	0
(6) Features Intersected	HOLLY CREEK
(7) Facility Carried	SH 35 Log 4.92
(9) Location	2.0 MI S OF BENTON
(11) Mile Point	4.92 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000035010
(16) Latitude	34.52939
(17) Longitude	-92.54848
(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	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1956
(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	5400
(30) Year of ADT	2018
(109) Truck ADT	5 %
(19) Bypass, Detour Length	19 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	112 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	27 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0-No median
(34) Skew	45 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	24 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	16-Urban Minor 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	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	42
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	25
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	Replacement of bridge or other
(76) Length of Structure Improvement	140 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 156
(96) Total Project Cost	\$ 483
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	5635
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			03/2022
(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:** Chris Doggett, **Inspection Date:** March 03, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3024	3017	3	4	0
1090	Exposed Rebar	SF	7	0	3	4	0
510	Wearing Surfaces	SF	2688	2651	37	0	0
3220	Crack (Wearing Surface)	SF	33	0	33	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	4	0	4	0	0
(38)							
Wearing surface has visible wear in wheel path and diagonal crack at bent 3. Underside of deck has spalls with reinforcing steel exposed at deck drains in all spans and span 3, just ahead of bent 3, pile 3 a small spall with exposed rebar.							
215	Reinforced Concrete Abutment	LF	101	98	3	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
227	Reinforced Concrete Pile	EA	15	5	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227)							
Piles at bent 2 and 3 have light abrasion.							
234	Reinforced Concrete Pier Cap	LF	121	120	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234)							
.							
301	Pourable Joint Seal	LF	113	0	0	113	0
2350	Debris Impaction	LF	113	0	0	113	0
(301)							
Pourable joints have an asphalt overlay.							
330	Metal Bridge Railing	LF	224	168	56	0	0
1000	Corrosion	LF	56	0	56	0	0
515	Steel Protective Coating	SF	672	504	0	168	0
3440	Effectiveness (Steel Protective Coatings)	SF	168	0	0	168	0
(330)							

**Bridge #03021(Routine)**  
**SH 35 Log 4.92 over HOLLY CREEK**  
**Location: 2.0 MI S OF BENTON**

**Team Lead:** Chris Doggett, **Inspection Date:** March 03, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Scattered corrosion on left outside guard rail.						
	6/15/18 Accident damaged right guardrail at spans 1 and 2. Bridge rail been repaired by state forces. 12/3/18						





Soffit view



Deck view





Inventory looking south



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**Team Lead:** Chris Doggett **Inspection Date:** March 03, 2022

## **Maintenance Needs**





**Bridge #03021** (Routine)  
**SH 35 Log 4.92 over HOLLY CREEK**  
**Location: 2.0 MI S OF BENTON**

**Team Lead:** Chris Doggett **Inspection Date:** March 03, 2022

**Inspection Comments**

Job #6496 Drawing #8884 for layout.  
Logged south bound

6/15/18 Special accident report: Southbound approach the right guard rail was damaged due to vehicle impact. Repaired by state forces. 12/3/18