



Latitude:35.74252, Longitude:-91.49715

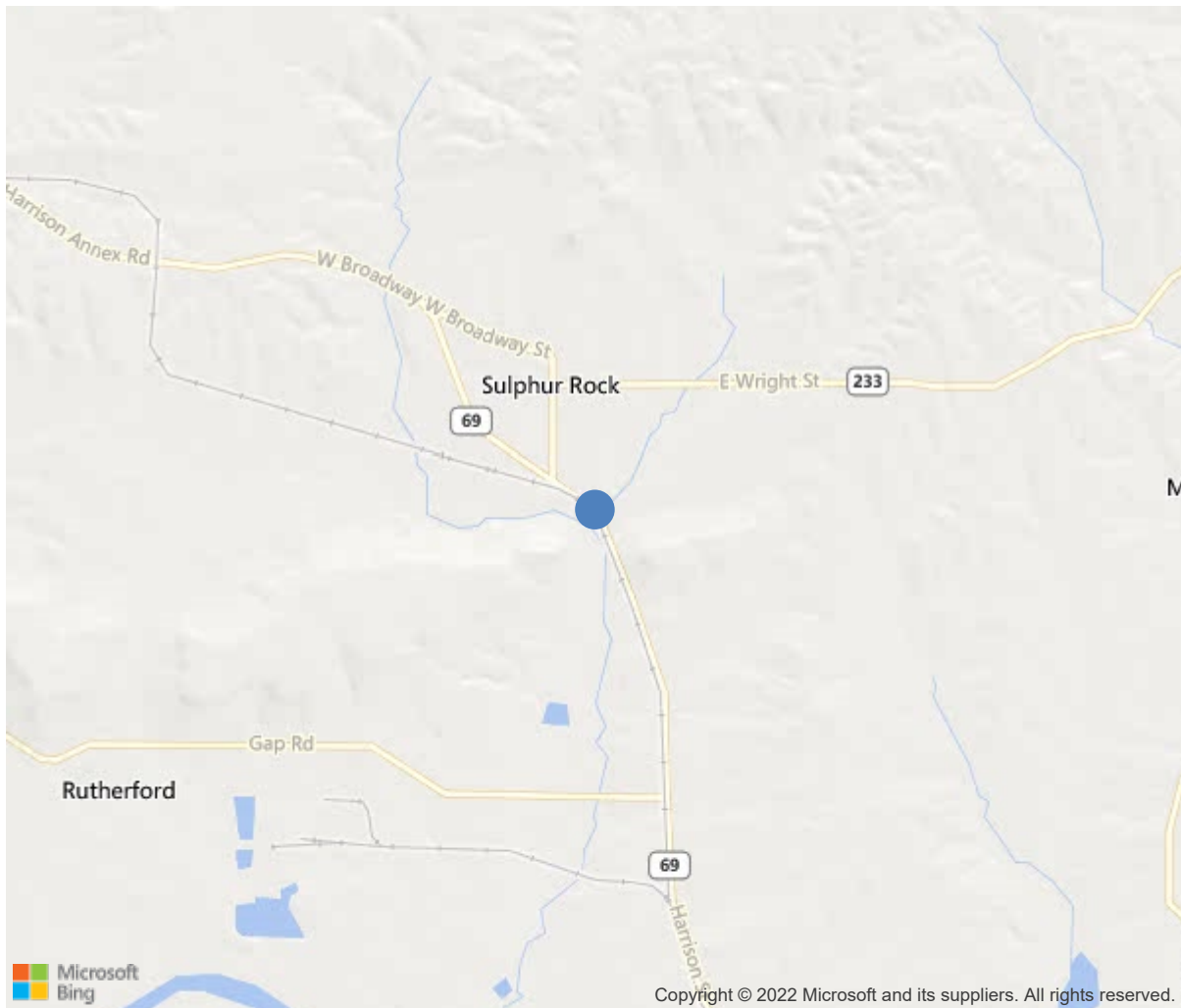
Route:69 Section:03 Log:9.23

Arnold Road ID:32x69x3xA, Arnold Log mile:9.212

District 05, Independence County

Owner: 1-State Highway Agency

.7 MI SO SH 233 & 69



35.74252, -91.49715

Inspection Direction : W to E



Bridge #05857 (Routine)
SH 69/Independ Co. over SULPHUR SPRINGS CREEK

Location: .7 MI SO SH 233 & 69

Team Lead: Kerry Little Inspection Date: September 15, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05857
(5) Inventory Route	69
(2) Highway Agency District	05
(3) County Code	63-Independence County, Arkansas
(4) Place Code	0
(6) Features Intersected	SULPHUR SPRINGS CREEK
(7) Facility Carried	SH 69/Independ Co.
(9) Location	.7 MI SO SH 233 & 69
(11) Mile Point	9.23 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000069030
(16) Latitude	35.742516
(17) Longitude	-91.497154
(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	3
(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	1983
(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	4600
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	36.1 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	29.9 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	6-Rural 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	6
(61) Channel & Channel Protection	7
(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	3
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	7
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(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	5017
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			09/2021
(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.			



Bridge #05857 (Routine)
SH 69/Independ Co. over SULPHUR SPRINGS CREEK
Location: .7 MI SO SH 233 & 69
Team Lead: Kerry Little, Inspection Date: September 15, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3444	1328	2115	1	0
1080	Delamination/Spall/Patched Area	SF	10	0	10	0	0
1090	Exposed Rebar	SF	1	0	0	1	0
1120	Efflorescence/Rust Staining	SF	5	0	5	0	0
1130	Cracking (RC and Other)	SF	100	0	100	0	0
1190	Abrasion/Wear (PSC/RC)	SF	2000	0	2000	0	0
(38)	Longitudinal cracking to deck @ all spans. Spall with 1' rebar exposed to soffit @ beginning of Span 3 Right. Area of delamination to soffit @ beginning of Span 3 a Right. Efflorescent cracks to the Right edge of Deck @ Bents 1 & 2 with spall @ Bent 1. Minor abrasion to deck in traffic lanes. Vegetation @ Left & Right sides of bridge.						
205	Reinforced Concrete Column	EA	4	2	2	0	0
6000	Scour	EA	2	0	2	0	0
(205)	Minor scour to Column 1 @ Bent 1.						
215	Reinforced Concrete Abutment	LF	92	52	40	0	0
6000	Scour	LF	40	0	40	0	0
(215)	Erosion to Abutment 2 exposing 2 steel piles.						
225	Steel Pile	EA	2	0	2	0	0
6000	Scour	EA	2	0	2	0	0
234	Reinforced Concrete Pier Cap	LF	66	64	0	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
(234)	Spall with exposed rebar to ahead side & to Right end of cap @ Bent 1.						
301	Pourable Joint Seal	LF	66	0	0	66	0
2320	Seal Adhesion	LF	66	0	0	66	0
(301)	Joint seals have separated & are losing adhesion.						
331	Reinforced Concrete Bridge Railing	LF	201	201	0	0	0



Roadway with log mile looking southeast.



Overall deck.



Overall soffit @ span 2.



Spall with rebar exposed to rt edge of deck @ beginning of span 3.



Delam to rt edge of deck @ beginning of span 3.



Scour to columns @ bent 1.



Spall with rebar exposed to ahead side of cap @ bent 1.

Maintenance Needs

Date Reported: 09/02/2015
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component:

Deficiency Description

Erosion & embankment has settled @ Abutment 2 with 2 piles exposed.

Remarks



Erosion & embankment has settled @ Abutment 2 with 2 piles exposed.



Erosion to Right end of Abutment 2 exposing 1 steel Pile.



Erosion & embankment has settled @ Abutment 2
with 2 piles exposed.



Bridge #05857 (Routine)
SH 69/Independ Co. over SULPHUR SPRINGS CREEK

Location: .7 MI SO SH 233 & 69

Team Lead: Kerry Little Inspection Date: September 15, 2021

Date Reported: 09/18/2019

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Vegetation to Left & Right sides of bridge.

Remarks



Vegetation @ Left side of bridge.



Vegetation @ Right side of bridge.



Vegetation to Left & Right sides of bridge.



Bridge #05857 (Routine)

SH 69/Independ Co. over SULPHUR SPRINGS CREEK

Location: .7 MI SO SH 233 & 69

Team Lead: Kerry Little **Inspection Date:** September 15, 2021

Inspection Comments

Log Mile running Southeast.

Job Number: 5805