



Latitude:35.76022, Longitude:-91.53586

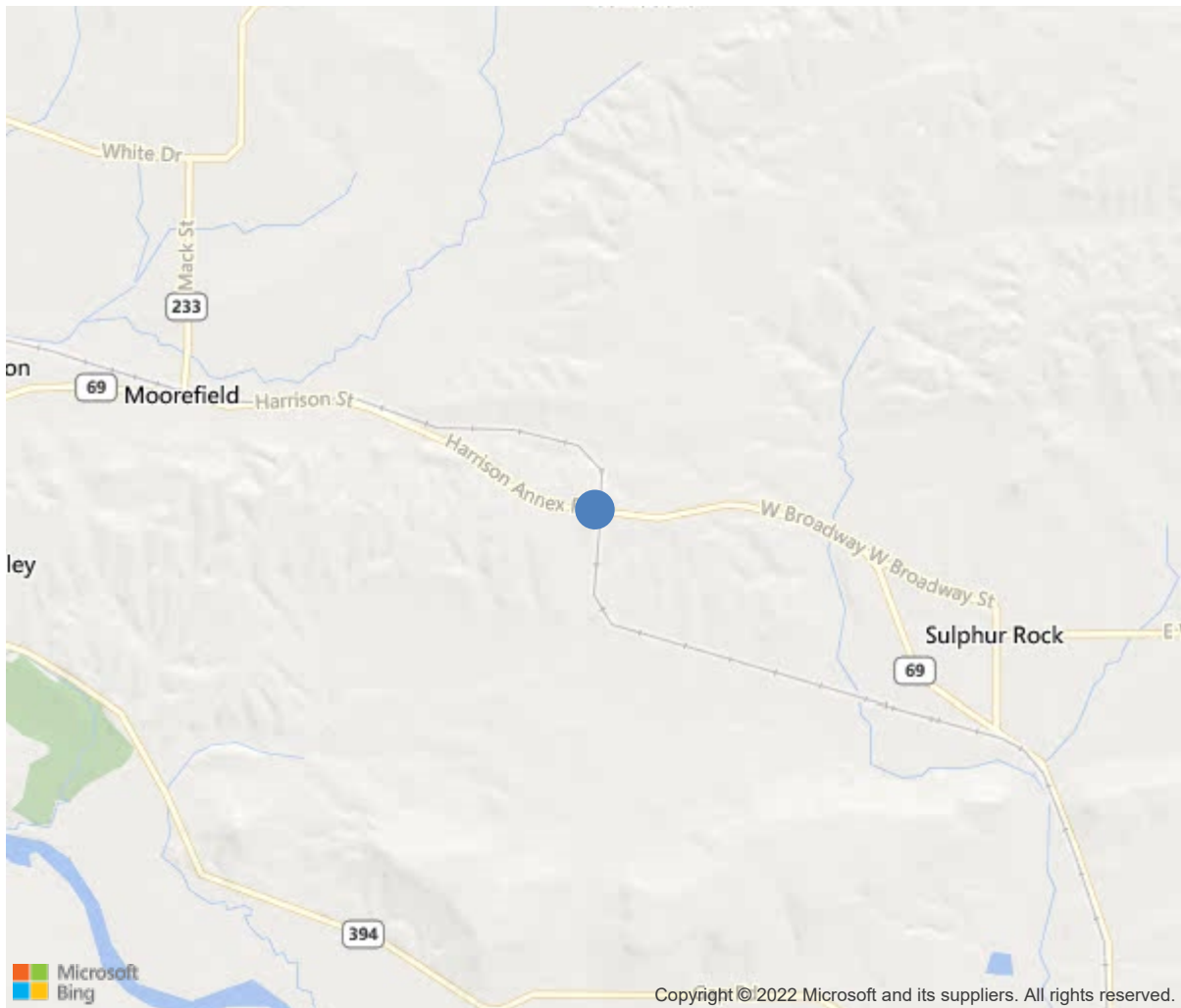
Route:69 Section:03 Log:6.46

Arnold Road ID:32x69x3xA, Arnold Log mile:6.445

District 05, Independence County

Owner: 1-State Highway Agency

2.0 WEST OF SULPHUR ROCK



35.76022, -91.53586

Inspection Direction : W to E



Bridge #05858(Routine)
SH 69/Indepen Co. over MO. & NO. AR. RR
Location: 2.0 WEST OF SULPHUR ROCK

Team Lead: Kerry Little Inspection Date: March 01, 2022

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05858
(5) Inventory Route	69
(2) Highway Agency District	05
(3) County Code	63-Independence County, Arkansas
(4) Place Code	0
(6) Features Intersected	MO. & NO. AR. RR
(7) Facility Carried	SH 69/Indepen Co.
(9) Location	2.0 WEST OF SULPHUR ROCK
(11) Mile Point	6.46 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000069030
(16) Latitude	35.76022
(17) Longitude	-91.535858
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
Type	2-Stringer/Multi-beam or girder
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1991
(106) Year Reconstructed	0
(42) Type of Service	12
On	1-Highway
Under	2-Railroad
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	7000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	48 ft
(49) Structure Length	146 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	23 ft
Ref:	
(55) Min Lat Underclear RT	14.6 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	7
(61) Channel & Channel Protection	N
(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	5
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	N-Bridge not over waterway.
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	6733
(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.			



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Location: 2.0 WEST OF SULPHUR ROCK

Team Lead: Kerry Little, Inspection Date: March 01, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6230	5508	572	150	0
1120	Efflorescence/Rust Staining	SF	72	0	72	0	0
1130	Cracking (RC and Other)	SF	650	0	500	150	0
(12)	Several efflorescent cracks to Left & Right overhangs @ all spans. Transverse @ longitudinal cracking to deck @ all spans.						
107	Steel Open Girder/Beam	LF	864	864	0	0	0
515	Steel Protective Coating	SF	5936	5936	0	0	0
205	Reinforced Concrete Column	EA	4	2	2	0	0
1130	Cracking (RC and Other)	EA	2	0	2	0	0
(205)	Vertical cracking to Columns 1 & 2 @ Bent 2.						
210	Reinforced Concrete Pier Wall	LF	44	32	12	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
(210)	Minor cracking to Pier Walls @ Bents 1 & 2. Spall with rebar exposed no s/l to Pier wall @ Bent 2 ahead.						
215	Reinforced Concrete Abutment	LF	126	102	10	14	0
1120	Efflorescence/Rust Staining	LF	14	0	0	14	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0
(215)	7 efflorescent cracks with rust stains to back wall @ Abutment 1. 6 cracks to Abutment 1. 7 efflorescent cracks with rust stains to back wall @ Abutment 2. 4 cracks to Abutment 2						
234	Reinforced Concrete Pier Cap	LF	82	81	1	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
(234)	Efflorescent crack to Right end of cap @ Bent 1 backside.						
302	Compression Joint Seal	LF	172	147	0	25	0
2340	Seal Cracking	LF	25	0	0	25	0

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(302)							
Joint seal @ Bent 2 is deteriorated & cracking. Minor debris @ all joints.							
311	Movable Bearing	EA	18	18	0	0	0
515	Steel Protective Coating	SF	36	36	0	0	0
313	Fixed Bearing	EA	18	18	0	0	0
515	Steel Protective Coating	SF	36	36	0	0	0
331	Reinforced Concrete Bridge Railing	LF	292	254	38	0	0
1130	Cracking (RC and Other)	LF	38	0	38	0	0
(331)							
Vertical cracking to parapets.							



Roadway with log mile looking east.



Overall deck @ span 1.



Overall deck below @ span 2.



Typical efflor cracks to Lt & Rt overhangs.



Typical cracks to deck @ all spans.



Vertical crack to column 1 @ bent 2.



Spall to pier wall @ ahead side of bent 2.



Vertical efflor cracks to back wall @ abutments 1 & 2.



Efflor crack to cap, rt side @ backside of bent 1.



Cracking to joint seals @ all bents.



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Team Lead: Kerry Little **Inspection Date:** March 01, 2022

Inspection Comments

Elevation with Log Mile running to the Right.
Job #R50018