



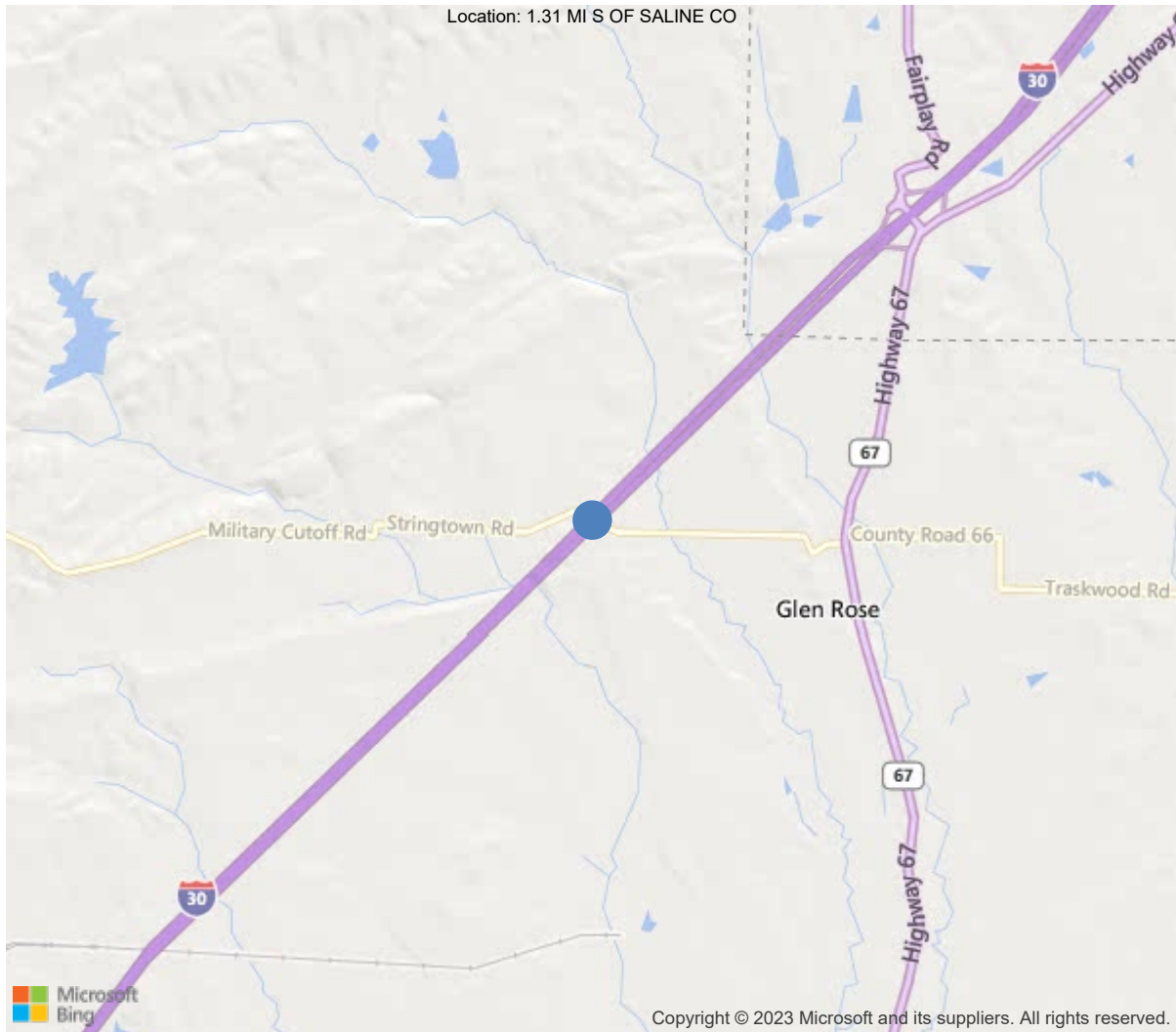
Latitude:34.46045, Longitude:-92.75209

Route:30 Section:21 Log:104.15

Arnold Road ID:30x30x21xA, Arnold Log mile:104.12

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.46045, -92.75209



Asset #B3431 (Routine)

I 30-SEC 21 EB over CR 70 Stringtown Rd

Location: 1.31 MI S OF SALINE CO

Team Lead: Chris Doggett, Inspection Date: 07/14/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B3431
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	59 - Hot Spring County
(4) Place Code	0
(6) Features Intersected	CR 70 Stringtown Rd
(7) Facility Carried	I 30-SEC 21 EB
(9) Location	1.31 MI S OF SALINE CO
(11) Mile Point	104.15 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.460449
(17) Longitude	-92.75209
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1964
(106) Year Reconstructed	2000
(42) Type of Service	11
On	1 - Highway
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	2
Under	2
(29) Average Daily Traffic	18000
(30) Year of ADT	2018
(109) Truck ADT	47 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	37 ft
(49) Structure Length	113 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)	42 ft
(33) Bridge Median	0 - No median
(34) Skew	15 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	15.75 ft
Ref:	
(55) Min Lat Underclear RT	6.2 ft
Ref:	
(56) Min Lat Underclear LT	6 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(111) Pier Protection	5 - None present but re-evalua
(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	1
(26) Functional Class	1 - Rural Principal Arterial -
(100) Defense Highway	1 - The inventory route is on
(101) Parallel Structure	R - The right structure of par
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	6
(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	
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	7
(69) Clearances, Vertical/Horizontal	4
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(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	20053
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	07/14/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* 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.</p>			



Asset #B3431(Routine)

District: 06, County: 59 - Hot Spring County

Team Lead: Chris Doggett, Inspection Date: 07/14/2022

General Observation

Job #060591, Drawing #38983 for layout.

Logged eastbound.

A-46 - Asset Files

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Location: 1.31 MI S OF SALINE CO

Team Lead: Chris Doggett, Inspection Date: 07/14/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4754	4536	218	0	0
1120	Efflorescence/Rust Staining	SF	48	0	48	0	0
1130	Cracking (RC and Other)	SF	170	0	170	0	0
(12) Deck has two longitude cracks running full length structure, soffits have cracks with efflorescence.							
107	Steel Open Girder/Beam	LF	666	666	0	0	0
515	Steel Protective Coating	SF	4062	4062	0	0	0
(107) No noteworthy defects at this inspection.							
205	Reinforced Concrete Column	EA	6	5	0	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
(205) Bent 2 column 2 has a spall.							
215	Reinforced Concrete Abutment	LF	126	106	20	0	0
1120	Efflorescence/Rust Staining	LF	20	0	20	0	0
(215) Both abutments have vertical cracks with efflorescence.							
234	Reinforced Concrete Pier Cap	LF	86	79	7	0	0
1090	Exposed Rebar	LF	7	0	7	0	0
(234) Bents 2 and 3 have exposed reinforcing steel on faces of caps.							
302	Compression Joint Seal	LF	172	124	48	0	0
2350	Debris Impaction	LF	48	0	48	0	0
(302) Joints have debris in gutters.							
311	Movable Bearing	EA	18	18	0	0	0
(311) No noteworthy defects at this inspection.							
313	Fixed Bearing	EA	18	18	0	0	0
(313) No noteworthy defects at this inspection.							
321	Reinforced Concrete Approach Slab	SF	864	702	162	0	0
1130	Cracking (RC and Other)	SF	162	0	162	0	0
(321) Moderate cracks with some map cracking in both lanes west end of structure.							
331	Reinforced Concrete Bridge Railing	LF	226	201	22	3	0
1080	Delamination/Spall/Patched Area	LF	3	0	0	3	0
1120	Efflorescence/Rust Staining	LF	7	0	7	0	0
1130	Cracking (RC and Other)	LF	15	0	15	0	0

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	(331) Bridge railing has vertical cracks some with efflorescence. Span 1: left rail with large delam at the bottom.						

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Team Lead: Chris Doggett, **Inspection Date:** 07/14/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4754	4536	218	0	0
1120	Efflorescence/Rust Staining	SF	48	0	48	0	0
1130	Cracking (RC and Other)	SF	170	0	170	0	0
(12) Deck has two longitude cracks running full length structure, soffits have cracks with efflorescence.							

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Location: 1.31 MI S OF SALINE CO

Team Lead: Chris Doggett, **Inspection Date:** 07/14/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	666	666	0	0	0
515	Steel Protective Coating	SF	4062	4062	0	0	0
(107) No noteworthy defects at this inspection.							



Asset #B3431(Routine)

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Location: 1.31 MI S OF SALINE CO

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Soffit view



Span 2: multiple unsealed transverse and longitudinal cracking.



Deck view



Inventory looking east



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Location: 1.31 MI S OF SALINE CO

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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	



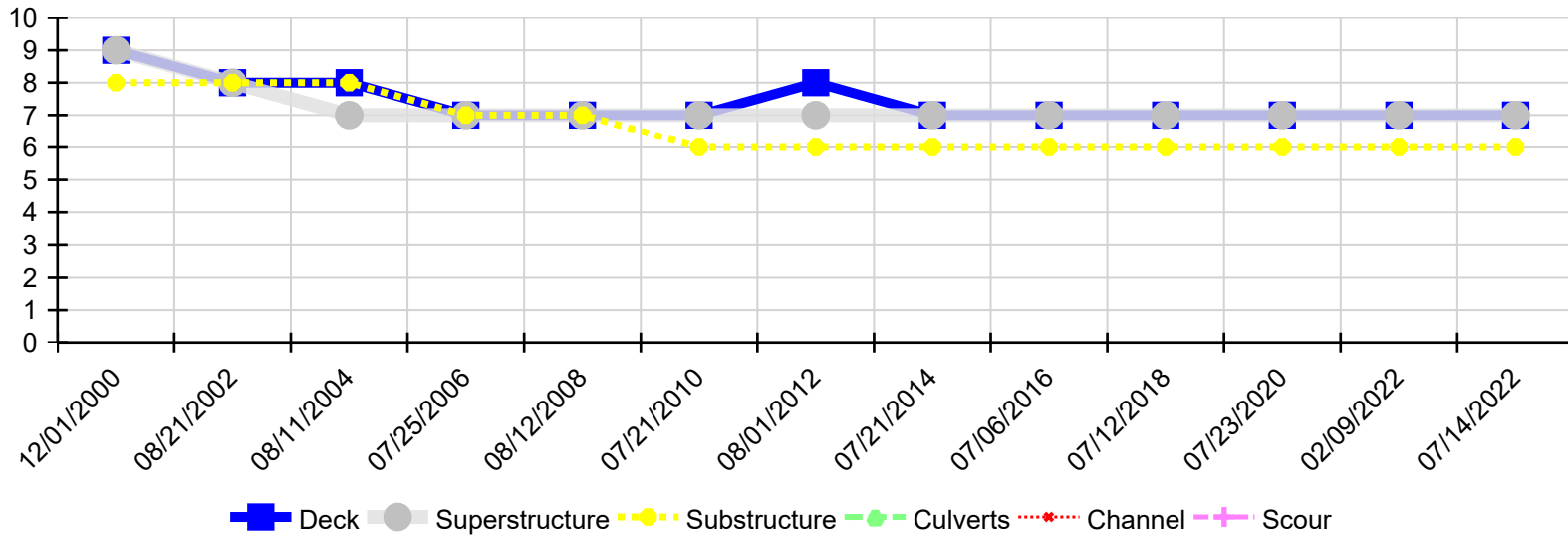
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Location: 1.31 MI S OF SALINE CO

Team Lead: Chris Doggett, Inspection Date: 07/14/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/14/2022	7	7	6	N	N	N
02/09/2022	7	7	6	N	N	N
07/23/2020	7	7	6	N	N	N
07/12/2018	7	7	6	N	N	N
07/06/2016	7	7	6	N	N	N
07/21/2014	7	7	6	N	N	N
08/01/2012	8	7	6	N	N	N
07/21/2010	7	7	6	N	N	N
08/12/2008	7	7	7	N	N	N
07/25/2006	7	7	7	N	N	N
08/11/2004	8	7	8	N	N	N
08/21/2002	8	8	8	N	N	N
12/01/2000	9	9	8	N	N	N