



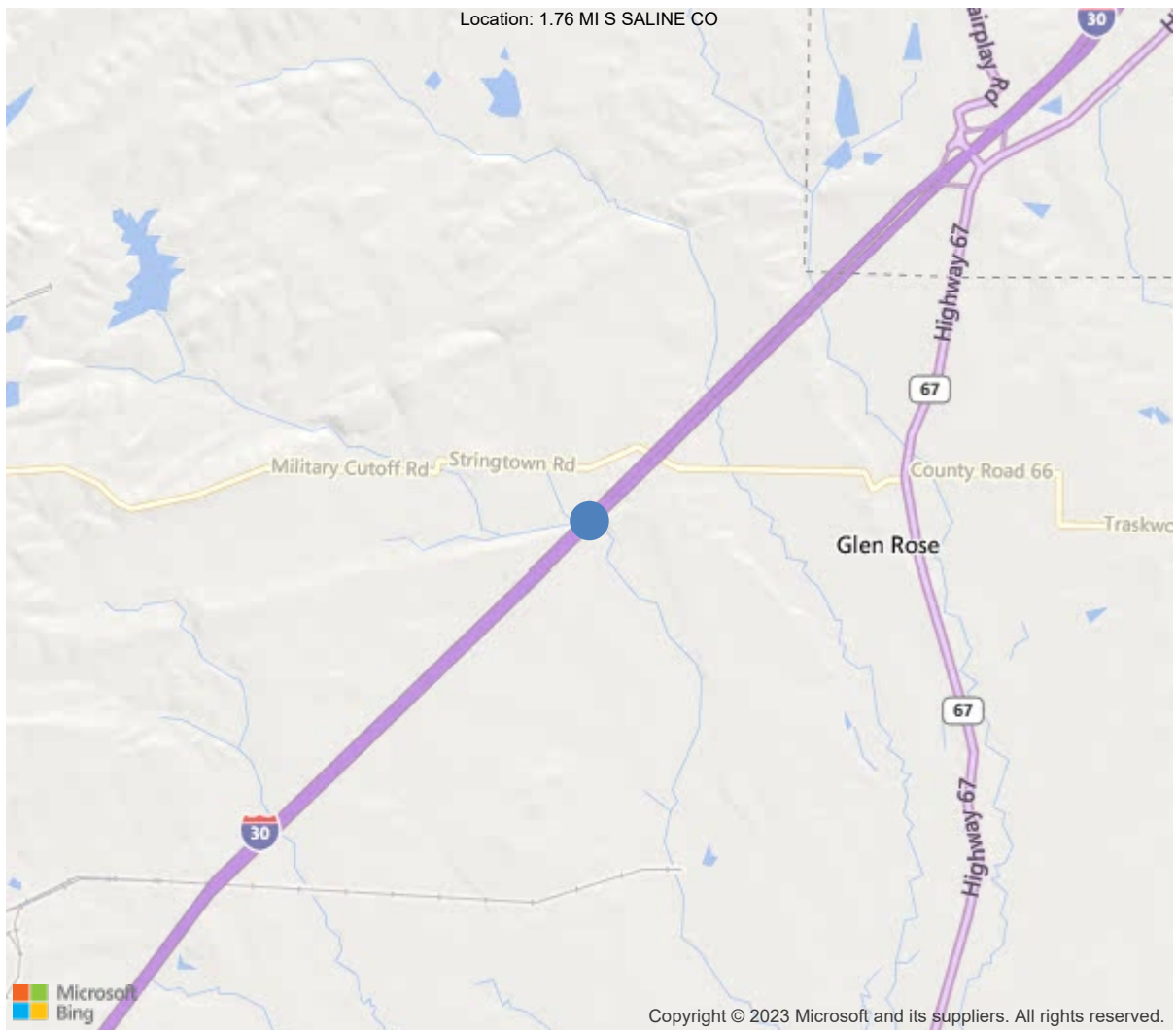
Latitude:34.45577, Longitude:-92.75775

Route:30 Section:21 Log:103.7

Arnold Road ID:30x30x21xA, Arnold Log mile:103.663

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.45577, -92.75775



Asset #B3430(Routine, Underwater type 2)

I-30 EB Log 103.70 over RAYBURN CREEK

Location: 1.76 MI S SALINE CO

Team Lead: Shane Byrd, Inspection Date: 02/14/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B3430
(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	RAYBURN CREEK
(7) Facility Carried	I-30 EB Log 103.70
(9) Location	1.76 MI S SALINE CO
(11) Mile Point	103.7 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.45577
(17) Longitude	-92.75775
(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	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	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	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(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	59 ft
(49) Structure Length	238 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	43 ft
(32) Approach Roadway Width (W/Shoulders)	41 ft
(33) Bridge Median	0 - No median
(34) Skew	0 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	0 ft
Ref:	
(55) Min Lat Underclear RT	0 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	1 - Navigation protection not
(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	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6 - MS 18+Mod / HS 20+Mod
(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	N
(71) Waterway Adequacy	8
(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	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	272 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 247
(96) Total Project Cost	\$ 1022
(97) Year of Improvement Cost Estimate	2000
(114) Future ADT	20053
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	02/14/2022		
(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 #B3430(Routine, Underwater type 2)

District: 06, County: 59 - Hot Spring County

Team Lead: Shane Byrd, Inspection Date: 02/14/2022

General Observation

job 060591 dwg 38970

A-46 - Asset Files

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	10234	9703	531	0	0
1120	Efflorescence/Rust Staining	SF	56	0	56	0	0
1130	Cracking (RC and Other)	SF	475	0	475	0	0
(12) Scattered transverse and longitudinal cracks. 0.030 inch avg. Cracks with efflorescence in soffit of overhang.							
107	Steel Open Girder/Beam	LF	1416	1416	0	0	0
515	Steel Protective Coating	SF	11540	0	11540	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	11540	0	11540	0	0
(107) All beams are dark brown with a granular texture.							
205	Reinforced Concrete Column	EA	12	6	5	1	0
1080	Delamination/Spall/Patched Area	EA	2	0	2	0	0
1090	Exposed Rebar	EA	2	0	1	1	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Bent 2 column 2&3 have a delamination on the right side. And column 2 has small rebar exposed on the left side Bent 3 column 3 ahead has a spall with exposed rebar.and abrasion in columns 2 and 3 at water line Bent 4 column 3 has spalls with exposed rebar.							
210	Reinforced Concrete Pier Wall	LF	44	44	0	0	0
215	Reinforced Concrete Abutment	LF	84	69	15	0	0
1120	Efflorescence/Rust Staining	LF	15	0	15	0	0
(215) Vertical cracks with efflorescence in both abutments							
234	Reinforced Concrete Pier Cap	LF	123	123	0	0	0
302	Compression Joint Seal	LF	80	0	80	0	0
2310	Leakage	LF	80	0	80	0	0
(302) All joint seals are leaking							
310	Elastomeric Bearing	EA	30	30	0	0	0
321	Reinforced Concrete Approach Slab	SF	2009	2009	0	0	0
331	Reinforced Concrete Bridge Railing	LF	472	408	64	0	0
1130	Cracking (RC and Other)	LF	64	0	64	0	0
(331) Small cracks in both bride rails.							

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Location: 1.76 MI S SALINE CO

Team Lead: Shane Byrd, **Inspection Date:** 02/14/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	1416	1416	0	0	0
515	Steel Protective Coating	SF	11540	0	11540	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	11540	0	11540	0	0
(107) All beams are dark brown with a granular texture.							



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	12	6	5	1	0
1080	Delamination/Spall/Patched Area	EA	2	0	2	0	0
1090	Exposed Rebar	EA	2	0	1	1	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Bent 2 column 2&3 have a delamination on the right side. And column 2 has small rebar exposed on the left side Bent 3 column 3 ahead has a spall with exposed rebar.and abrasion in columns 2 and 3 at water line Bent 4 column 3 has spalls with exposed rebar.							
210	Reinforced Concrete Pier Wall	LF	44	44	0	0	0
215	Reinforced Concrete Abutment	LF	84	69	15	0	0
1120	Efflorescence/Rust Staining	LF	15	0	15	0	0
(215) Vertical cracks with efflorescence in both abutments							
234	Reinforced Concrete Pier Cap	LF	123	123	0	0	0



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Deck overview.



Approach eastbound.



Span 2 longitudinal crack.



Span 4 longitudinal crack.



Cracks with efflorescence in soffit overhang common all spans both sides.



Cracks with efflorescence in soffit overhang common all spans both sides.



Bent 4 column 3 ahead side spalls with exposed rebar.



Small spalls with exposed rebar bent 3 column 3 ahead.



Bent 2 column 2 has small spall with exposed rebar on left.



Bent 3 columns 2 & 3 have abrasion at waterline.



Bent 5 cracks with efflorescence in back wall.



Bent 1 cracks with efflorescence in the back wall.



Bent 5 joint seal has lost bond.

Maintenance Needs

Date Reported: 02/26/2020

Priority: C - Important

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Assigned

Component: Element

Deficiency Description

vines growing on columns up to the bottom of the deck

Remarks

trees and brush have been removed but vines are still growing on the columns up to the bottom of the deck

Assigned to Hot Spring County 7/16/2020 to address vines.



large Vines growing at bent 4



Vines growing on columns and cap at bent 4.



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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	



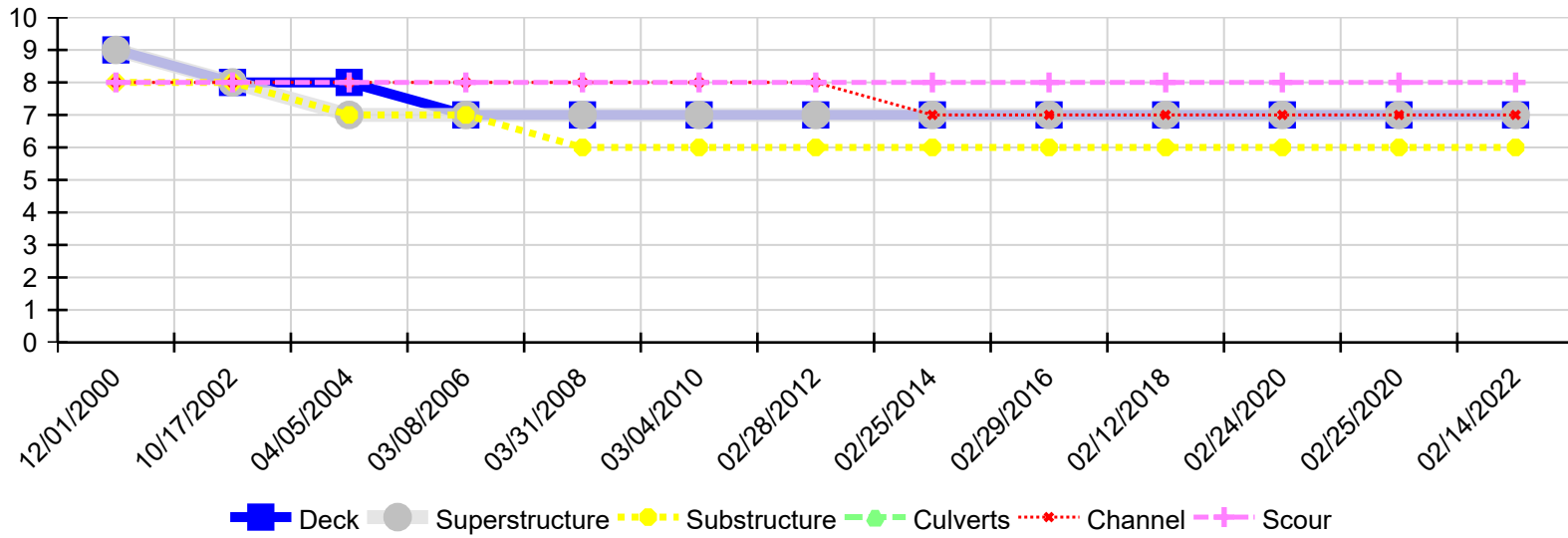
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/14/2022	7	7	6	N	7	8
02/25/2020	7	7	6	N	7	8
02/24/2020	7	7	6	N	7	8
02/12/2018	7	7	6	N	7	8
02/29/2016	7	7	6	N	7	8
02/25/2014	7	7	6	N	7	8
02/28/2012	7	7	6	N	8	8
03/04/2010	7	7	6	N	8	8
03/31/2008	7	7	6	N	8	8
03/08/2006	7	7	7	N	8	8
04/05/2004	8	7	7	N	8	8
10/17/2002	8	8	8	N	8	8
12/01/2000	9	9	8	N	8	8