



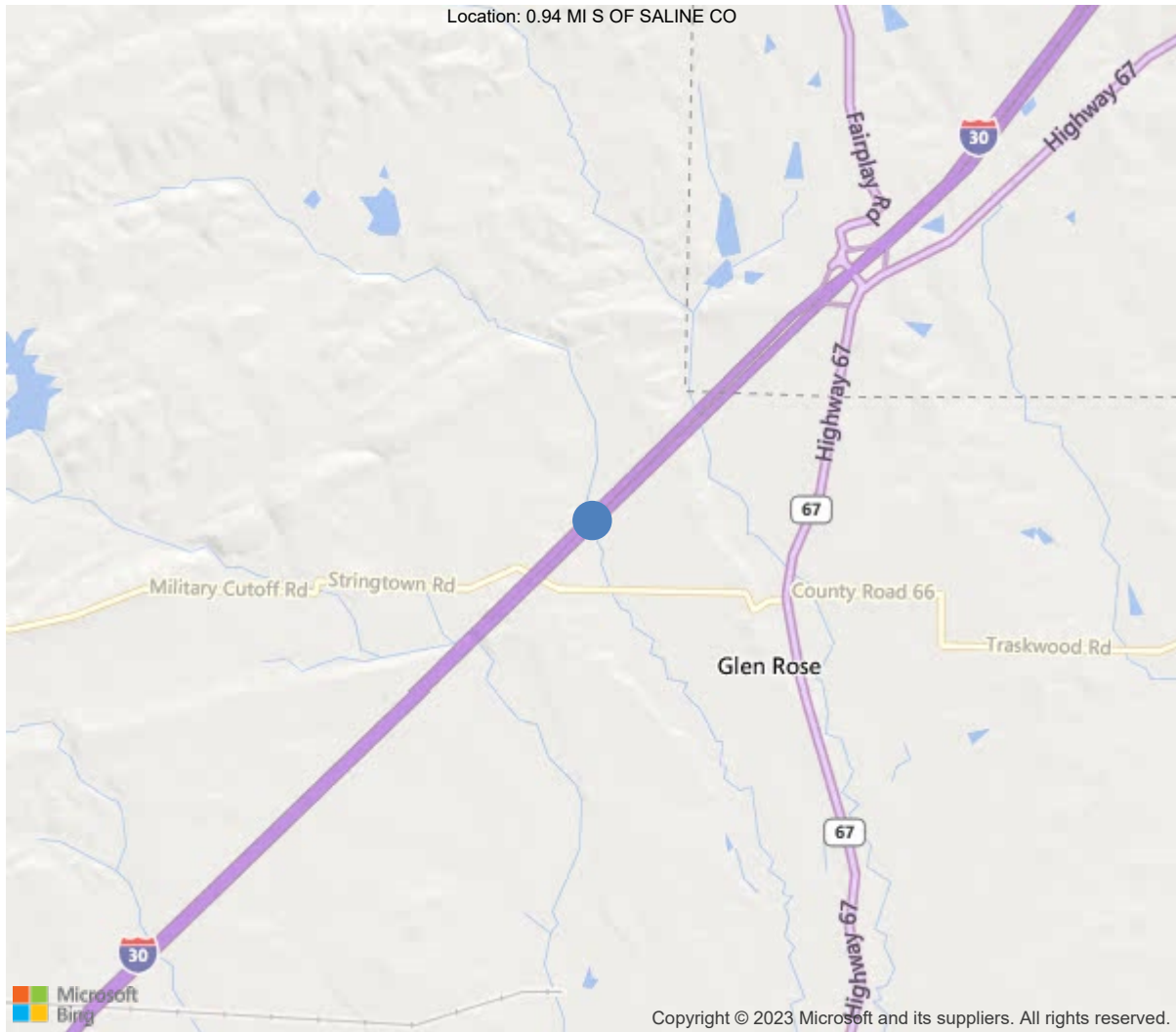
Latitude:34.46457, Longitude:-92.74696

Route:30 Section:21 Log:104.52

Arnold Road ID:30x30x21xA, Arnold Log mile:104.527

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.46457, -92.74696



Asset #B3432(Routine)

I-30 EB Log 104.52 over NINE MILE CR

Location: 0.94 MI S OF SALINE CO

Team Lead: Shane Byrd, Inspection Date: 08/25/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B3432
(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	NINE MILE CR
(7) Facility Carried	I-30 EB Log 104.52
(9) Location	0.94 MI S OF SALINE CO
(11) Mile Point	104.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.464569
(17) Longitude	-92.746964
(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	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1964
(106) Year Reconstructed	1995
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	35000
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	120 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)	38.1 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	41.3 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	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	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(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	35 - Bridge rehabilitation bec
(76) Length of Structure Improvement	120 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 237
(97) Year of Improvement Cost Estimate	1995
(114) Future ADT	20053
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	08/25/2021		
(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 #B3432(Routine)

District: 06, County: 59 - Hot Spring County

Team Lead: Shane Byrd, Inspection Date: 08/25/2021

General Observation

job 060616 dwg 34397.

Sounding taken 08/25/2021. MSB

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)
Sounding taken 08/25/2021. MSB

A-46 - Asset Files

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5136	4387	509	240	0
1080	Delamination/Spall/Patched Area	SF	12	0	12	0	0
1120	Efflorescence/Rust Staining	SF	137	0	17	120	0
1130	Cracking (RC and Other)	SF	600	0	480	120	0
(38) Deck has unsealed cracks. Bottom of deck has cracks with efflorescence. Small spalls and delamination above bents 2 and 4 in the deck haunch. Spall in slab at span 4 above bent 4 cap right side.							
205	Reinforced Concrete Column	EA	9	3	6	0	0
1190	Abrasion/Wear (PSC/RC)	EA	6	0	6	0	0
(205) Columns at bents 3 and 4 have minor abrasion.							
215	Reinforced Concrete Abutment	LF	95	93	2	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
(215) Bent 1 has small spalls.							
234	Reinforced Concrete Pier Cap	LF	129	106	22	1	0
1080	Delamination/Spall/Patched Area	LF	17	0	17	0	0
1090	Exposed Rebar	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(234) Bent 2 right side has been patched and there are delamination and spalls on the ahead side. Bent 3 ahead side has exposed rebar. Bent 4 has spalls and delamination on back and ahead sides.							
301	Pourable Joint Seal	LF	120	0	120	0	0
2310	Leakage	LF	115	0	115	0	0
2360	Adjacent Deck or Header	LF	5	0	5	0	0
(301) All seals have lost bond and are leaking. Bent 2 has small spalls at the joint.							
321	Reinforced Concrete Approach Slab	SF	2888	2830	0	58	0
1130	Cracking (RC and Other)	SF	58	0	0	58	0
(321) Approach slab at abutment one has a large unsealed crack.							
331	Reinforced Concrete Bridge Railing	LF	240	205	35	0	0
1080	Delamination/Spall/Patched Area	LF	25	0	25	0	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0
(331) Left rail has been patched. Scattered cracks on both rails.							

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5136	4387	509	240	0
1080	Delamination/Spall/Patched Area	SF	12	0	12	0	0
1120	Efflorescence/Rust Staining	SF	137	0	17	120	0
1130	Cracking (RC and Other)	SF	600	0	480	120	0
(38) Deck has unsealed cracks. Bottom of deck has cracks with efflorescence. Small spalls and delamination above bents 2 and 4 in the deck haunch. Spall in slab at span 4 above bent 4 cap right side.							



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	9	3	6	0	0
1190	Abrasion/Wear (PSC/RC)	EA	6	0	6	0	0
(205) Columns at bents 3 and 4 have minor abrasion.							
215	Reinforced Concrete Abutment	LF	95	93	2	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
(215) Bent 1 has small spalls.							
234	Reinforced Concrete Pier Cap	LF	129	106	22	1	0
1080	Delamination/Spall/Patched Area	LF	17	0	17	0	0
1090	Exposed Rebar	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(234) Bent 2 right side has been patched and there are delamination and spalls on the ahead side. Bent 3 ahead side has exposed rebar. Bent 4 has spalls and delamination on back and ahead sides.							

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)

Comment: Sounding taken 08/25/2021. MSB



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Deck overview.



Span 2 soffit overview.



Channel



Approach Eastbound



Deck haunch above bent 2 has large delams.



Deck haunch above bent 4 back has spalls.



Spall in slab at span 4 above bent 4 cap right side.



Span 1 soffit has cracks with efflorescence at centerline.



Span 1 has unsealed longitudinal crack that reflects through to the soffit.



Bent 3 column 2 has abrasion, common all columns at bents 3&4.



Bent 1 abutment has small spalls.



Bent 3 cap ahead has spall with exposed rebar.



Bent 2 cap ahead has contact spall above column3.



Bent 4 cap back has spalled area.



Bent 4 cap ahead has delams.



Bent 1 joint seal has lost bond and is leaking, common all joint seals.



Large unsealed cracks in west approach slab.

Maintenance Needs

Date Reported: 08/26/2015

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Deck has large unsealed cracks.

Remarks



Span 1 has unsealed longitudinal crack that reflects through to the soffit.



Deck has large unsealed cracks



Large longitudinal crack.



Span 3, large unsealed crack.



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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	



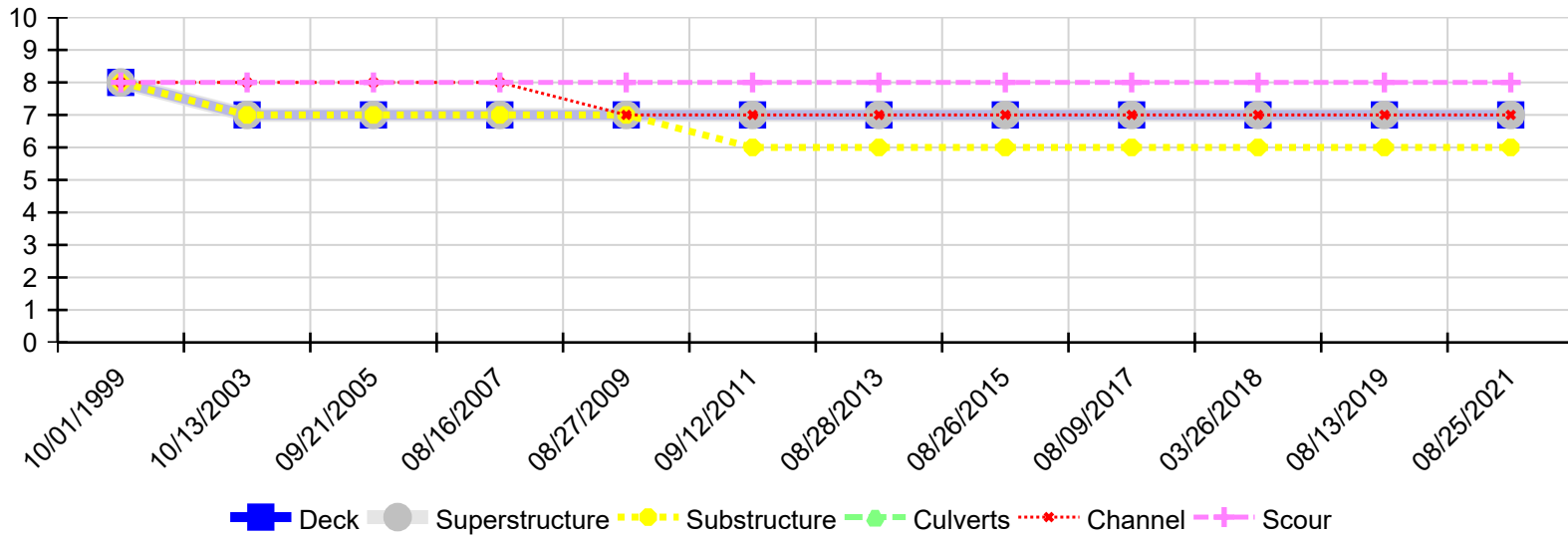
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/25/2021	7	7	6	N	7	8
08/13/2019	7	7	6	N	7	8
03/26/2018	7	7	6	N	7	8
08/09/2017	7	7	6	N	7	8
08/26/2015	7	7	6	N	7	8
08/28/2013	7	7	6	N	7	8
09/12/2011	7	7	6	N	7	8
08/27/2009	7	7	7	N	7	8
08/16/2007	7	7	7	N	8	8
09/21/2005	7	7	7	N	8	8
10/13/2003	7	7	7	N	8	8
10/01/1999	8	8	8	N	8	8