



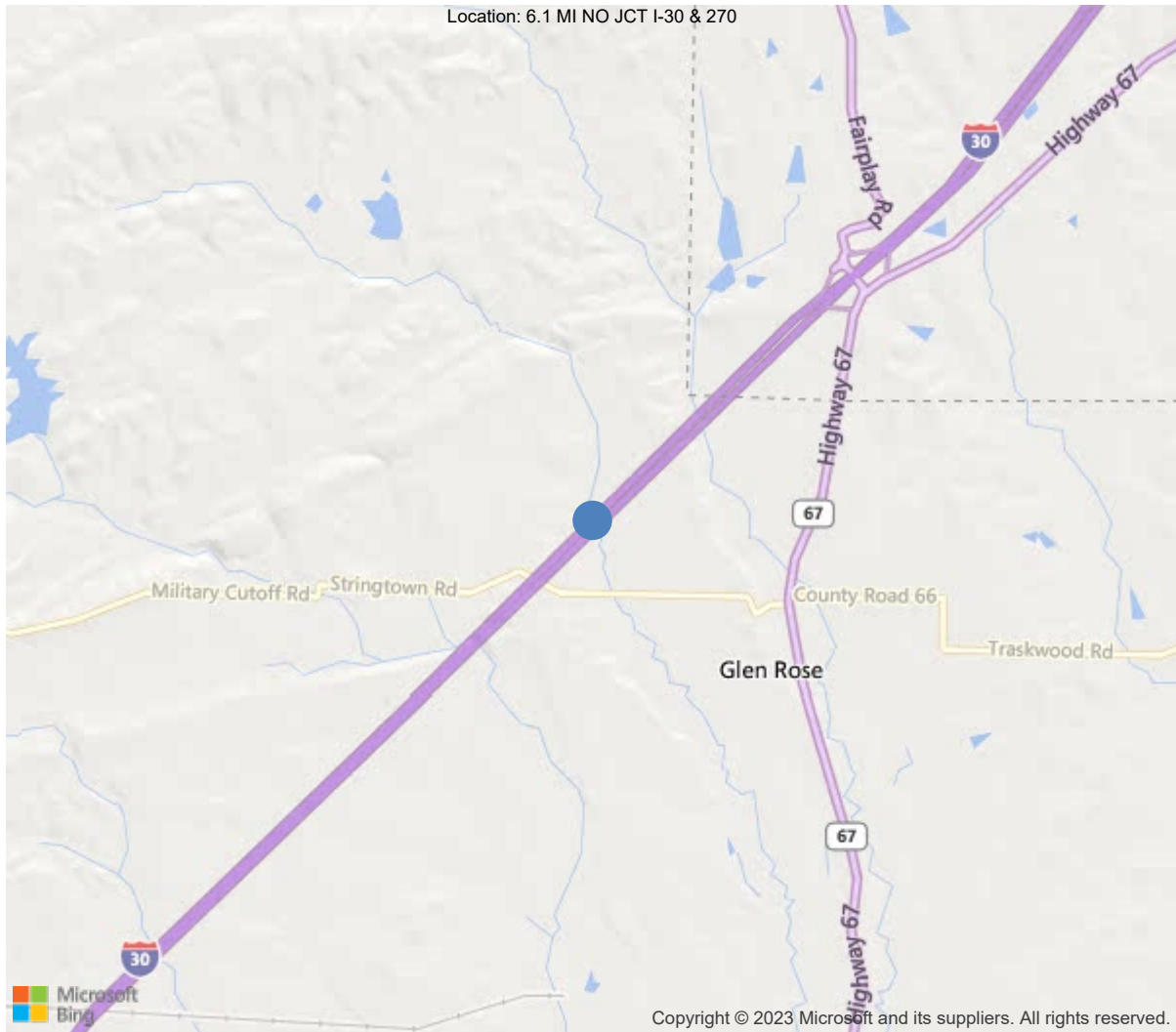
Latitude:34.46474, Longitude:-92.74717

Route:30 Section:21 Log:104.52

Arnold Road ID:30x30x21xB, Arnold Log mile:38.41

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.46474, -92.74717



Asset #A3432(Routine)

I-30 WB Log 104.52 over NINE MILE CR

Location: 6.1 MI NO JCT I-30 & 270

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A3432
(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 WB Log 104.52
(9) Location	6.1 MI NO JCT I-30 & 270
(11) Mile Point	104.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.464741
(17) Longitude	-92.747169
(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	1 - Epoxy Coated Reinforcing
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	53905
(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	39.7 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	L - The left structure of para
(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	6
(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	0 - Inspected feature does not meet
(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 #A3432(Routine)

District: 06, County: 59 - Hot Spring County

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

General Observation

job 060616 dwg 34397. Log going east.
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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Asset #A3432(Routine)

I-30 WB Log 104.52 over NINE MILE CR

Location: 6.1 MI NO JCT I-30 & 270

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5136	4252	827	57	0
1080	Delamination/Spall/Patched Area	SF	48	0	47	1	0
1120	Efflorescence/Rust Staining	SF	56	0	0	56	0
1130	Cracking (RC and Other)	SF	720	0	720	0	0
1190	Abrasion/Wear (PSC/RC)	SF	60	0	60	0	0
(38) Bottom of deck has cracks with efflorescence and rust . Span 1 has spall filled with asphalt. Bent 5, the slab haunch is spalled and has delaminations the entire length of the abutment.							
205	Reinforced Concrete Column	EA	9	6	2	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Column 2 at bent 3 has a large spall, columns 1 and 3 have abrasion.							
215	Reinforced Concrete Abutment	LF	95	84	11	0	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(215) Small spalls on both abutments							
234	Reinforced Concrete Pier Cap	LF	129	113	15	1	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1090	Exposed Rebar	LF	6	0	5	1	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(234) Bents 2 and 3 caps have patched areas. Bent 2 cap back has small spall with exposed rebar. Bent 3 ahead and bottom has spalls with exposed rebar. Bent 4 cap left end has small spall with exposed rebar.							
301	Pourable Joint Seal	LF	120	0	120	0	0
2310	Leakage	LF	120	0	120	0	0
(301) All joint seals leak.							
321	Reinforced Concrete Approach Slab	SF	2888	2804	82	2	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1130	Cracking (RC and Other)	SF	82	0	82	0	0
(321) Approach slab at east end of bridge has 2 spalls and large cracks.							
331	Reinforced Concrete Bridge Railing	LF	240	215	25	0	0
1130	Cracking (RC and Other)	LF	25	0	25	0	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	(331) Scattered cracks in both walls.						

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5136	4252	827	57	0
1080	Delamination/Spall/Patched Area	SF	48	0	47	1	0
1120	Efflorescence/Rust Staining	SF	56	0	0	56	0
1130	Cracking (RC and Other)	SF	720	0	720	0	0
1190	Abrasion/Wear (PSC/RC)	SF	60	0	60	0	0
(38) Bottom of deck has cracks with efflorescence and rust . Span 1 has spall filled with asphalt. Bent 5, the slab haunch is spalled and has delaminations the entire length of the abutment.							



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

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	9	6	2	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Column 2 at bent 3 has a large spall, columns 1 and 3 have abrasion.							
215	Reinforced Concrete Abutment	LF	95	84	11	0	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(215) Small spalls on both abutments							
234	Reinforced Concrete Pier Cap	LF	129	113	15	1	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1090	Exposed Rebar	LF	6	0	5	1	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(234) Bents 2 and 3 caps have patched areas. Bent 2 cap back has small spall with exposed rebar. Bent 3 ahead and bottom has spalls with exposed rebar. Bent 4 cap left end has small spall with exposed rebar.							

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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Location: 6.1 MI NO JCT I-30 & 270

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Deck span 3 soffit overview.



Deck overview.



Channel



Approach westbound



Deck at bent 3 has abrasion, common bent 2.



Deck span 2 has unsealed longitudinal crack that reflects through to the soffit.



Bent 5 slab haunch has spalls entire length.



Span 2 soffit has cracks with efflorescence.



Bent 3 column 2 has spall.



Bent 3 column 1 has abrasion, common columns 2&3.



Bent 2 cap back has spall with exposed rebar.



Bent 4 cap left end has small spall with exposed rebar.



Bent 3 cap ahead and bottom have spalls with exposed rebar.



Bent 3 cap left side has patched area.



Joint seal at bent 3 has lost bond and is leaking common all joints.



East approach slab spall



East approach slab spall

Maintenance Needs

Date Reported: 08/26/2015

Priority: C - Important

Type of Work: Repair (General)

Status: Repair Documented

Component: Element

Deficiency Description

Spalls in east approach slab. Spalls have not been repaired. MSB 08/25/2021

Remarks



Spalls in east approach slab



East approach slab spall

Maintenance Needs

Date Reported: 08/26/2015

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Deck has unsealed cracks and a spall filled with asphalt at west end of bridge.

Remarks



Deck span 2 has unsealed longitudinal crack that reflects through to the soffit.



Asphalt patch span 1.



Deck has a spall filled with asphalt at west end of bridge.



Span 4, longitudinal cracks.

Maintenance Needs

Date Reported: 08/13/2019

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Repair Documented

Component:

Deficiency Description

Trees growing under and near the bridge.

Remarks

Cut trees and brush Brush has been removed. MSB 08/25/2021.



Span 3, trees growing under bridge.



Trees growing under bridge have been removed.



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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	



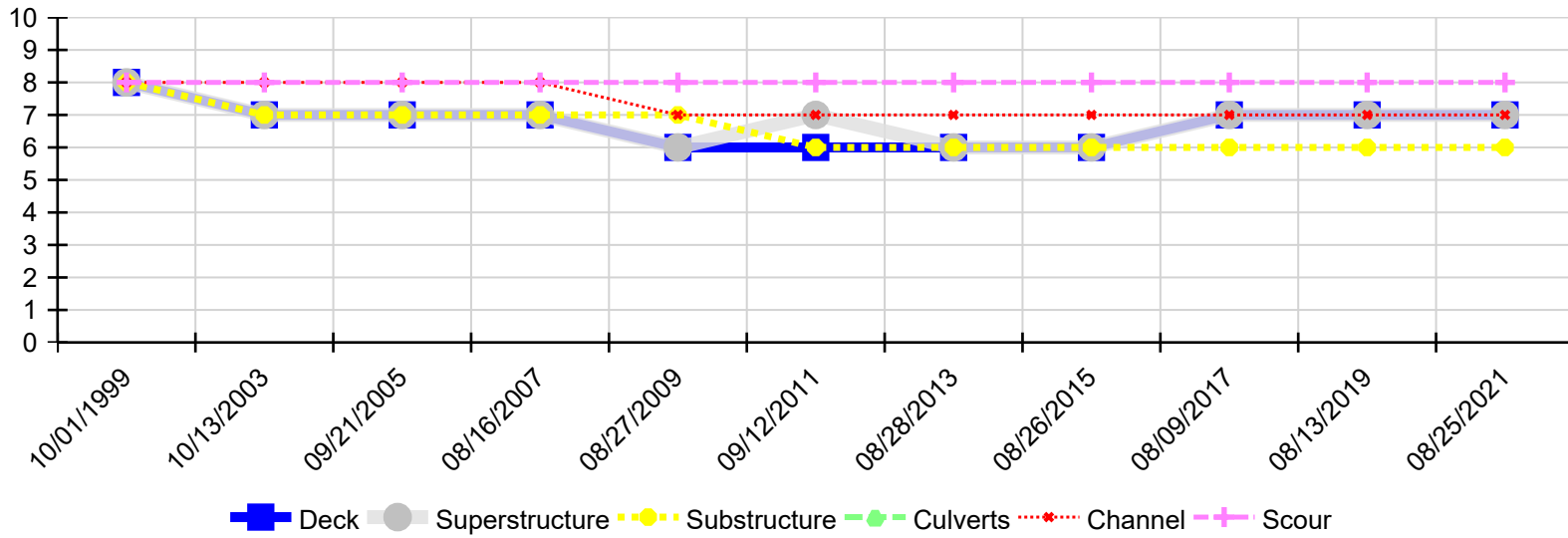
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Location: 6.1 MI NO JCT I-30 & 270

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

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
08/09/2017	7	7	6	N	7	8
08/26/2015	6	6	6	N	7	8
08/28/2013	6	6	6	N	7	8
09/12/2011	6	7	6	N	7	8
08/27/2009	6	6	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