



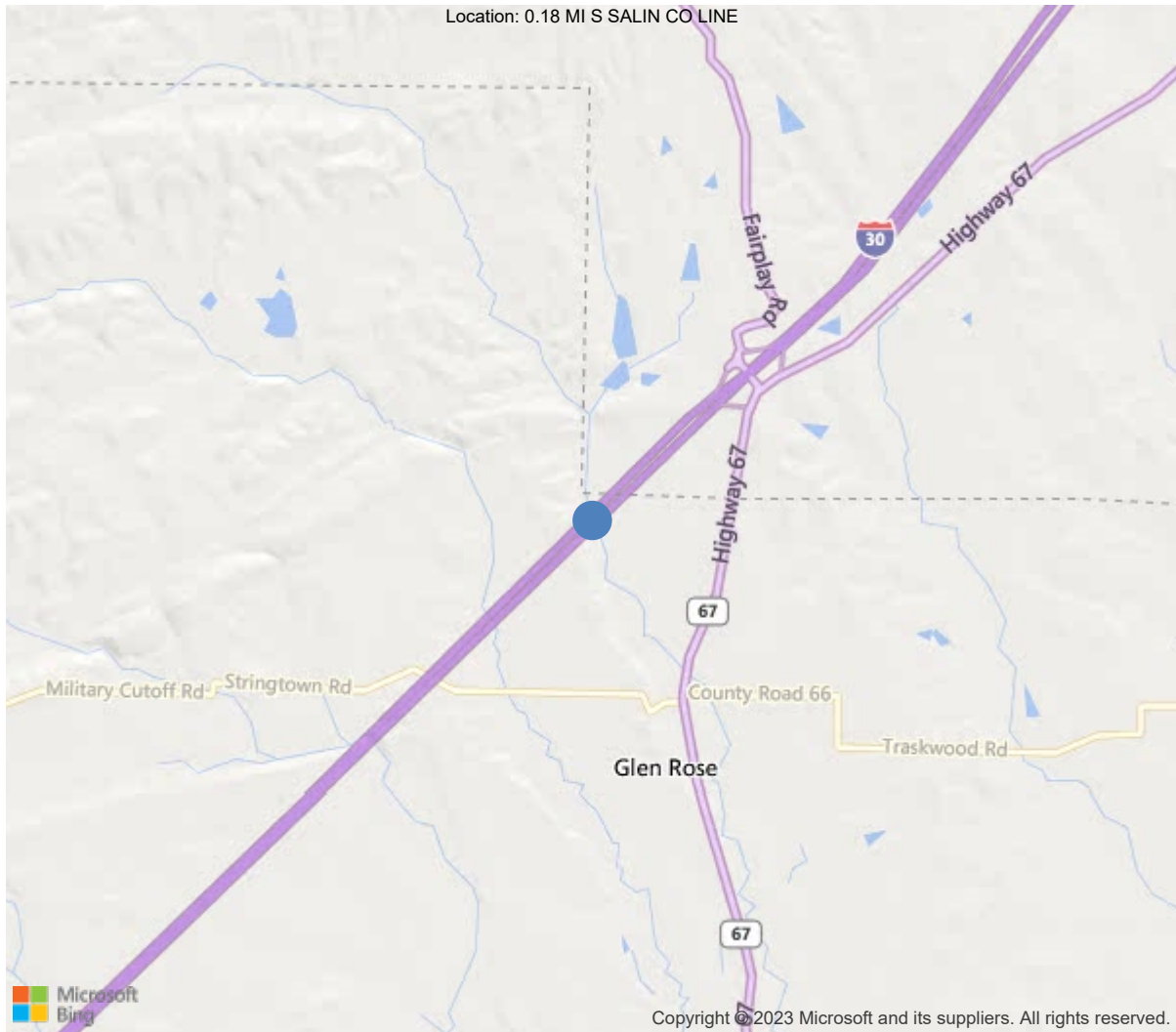
Latitude:34.47192, Longitude:-92.73788

Route:30 Section:21 Log:105.28

Arnold Road ID:30x30x21xA, Arnold Log mile:105.252

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.47192, -92.73788



Asset #B3245(Routine)

I-30 EB Log 105.28 over TEN MILE CREEK

Location: 0.18 MI S SALIN CO LINE

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B3245
(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	TEN MILE CREEK
(7) Facility Carried	I-30 EB Log 105.28
(9) Location	0.18 MI S SALIN CO LINE
(11) Mile Point	105.28 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.471916
(17) Longitude	-92.737877
(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	5
(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	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	150 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	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	31 - Replacement of bridge or
(76) Length of Structure Improvement	180 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 247
(96) Total Project Cost	\$ 789
(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 #B3245(Routine)

District: 06, County: 59 - Hot Spring County

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

General Observation

job 060616 dwg 34401a. Approach 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 #B3245(Routine)

I-30 EB Log 105.28 over TEN MILE CREEK

Location: 0.18 MI S SALIN CO LINE

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6420	5549	712	159	0
1080	Delamination/Spall/Patched Area	SF	32	0	32	0	0
1120	Efflorescence/Rust Staining	SF	159	0	0	159	0
1130	Cracking (RC and Other)	SF	680	0	680	0	0
(38) Bottom of deck has cracks with efflorescence. Bent 1,2 and 6 the haunch area has spalling and delaminations over the caps.							
205	Reinforced Concrete Column	EA	20	12	4	4	0
1090	Exposed Rebar	EA	4	0	0	4	0
1130	Cracking (RC and Other)	EA	2	0	2	0	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Bent 2 columns 2 and 3 and column 5 at bent 5 have large spalls with rebar exposed. Bent 3 columns 2 and 3 have abrasion. Bent 3 column 3 has crack. Bent 4 columns 2 and 3 have large delamination. Bent 4 column 3 has crack.							
210	Reinforced Concrete Pier Wall	LF	180	175	0	5	0
1130	Cracking (RC and Other)	LF	5	0	0	5	0
(210) Pier walls are struts in the interior bents.							
215	Reinforced Concrete Abutment	LF	98	92	6	0	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
(215) Bents 1 and 6 have small spalls.							
234	Reinforced Concrete Pier Cap	LF	172	166	6	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) Bent 4 has large delaminations.							
301	Pourable Joint Seal	LF	160	0	154	0	6
2310	Leakage	LF	154	0	154	0	0
2330	Seal Damage	LF	6	0	0	0	6
(301) All joints have lost bond and are leaking.							
321	Reinforced Concrete Approach Slab	SF	2888	2777	15	96	0
1080	Delamination/Spall/Patched Area	SF	23	0	15	8	0
1130	Cracking (RC and Other)	SF	88	0	0	88	0



Asset #B3245(Routine)

I-30 EB Log 105.28 over TEN MILE CREEK

Location: 0.18 MI S SALIN CO LINE

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(321) Both Approach slabs have deep spalls and unsealed cracks.							
331	Reinforced Concrete Bridge Railing	LF	300	300	0	0	0

Asset #B3245(Routine)



Asset #B3245(Routine)

I-30 EB Log 105.28 over TEN MILE CREEK

Location: 0.18 MI S SALIN CO LINE

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	20	12	4	4	0
1090	Exposed Rebar	EA	4	0	0	4	0
1130	Cracking (RC and Other)	EA	2	0	2	0	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205) Bent 2 columns 2 and 3 and column 5 at bent 5 have large spalls with rebar exposed. Bent 3 columns 2 and 3 have abrasion. Bent 3 column 3 has crack. Bent 4 columns 2 and 3 have large delamination. Bent 4 column 3 has crack.							
210	Reinforced Concrete Pier Wall	LF	180	175	0	5	0
1130	Cracking (RC and Other)	LF	5	0	0	5	0
(210) Pier walls are struts in the interior bents.							
215	Reinforced Concrete Abutment	LF	98	92	6	0	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
(215) Bents 1 and 6 have small spalls.							
234	Reinforced Concrete Pier Cap	LF	172	166	6	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) Bent 4 has large delaminations.							

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



Asset #B3245(Routine)

I-30 EB Log 105.28 over TEN MILE CREEK

Location: 0.18 MI S SALIN CO LINE

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Approach Eastbound



East approach slab has deep spalls.



West approach slab has large unsealed cracks.



Deck overview.



Deck haunch at bent 2 has spalls and delams.



Bent 2 columns 2&3 have large spalls with exposed rebar.



Span 3 soffit overview.



Channel



Deck span 5 has longitudinal unsealed crack that reflects through to the soffit.



Span 2 soffit has cracks with efflorescence at centerline, common all spans.



Bent 3 column 3 has abrasion at water line, common column 2.



Bent 5 column 5 has large spall with exposed rebar.



Bent 3 column 3 has crack.



Bent 4 column 5 has crack.



Pier wall (interior strut) at bent 3 between columns 2&3 has crack.



Bent 6 abutment patched area is spalling.



Bent 4 cap back has large delam.



Bent 6 joint seal has lost bond and is leaking, common all joint seals.

Maintenance Needs

Date Reported: 08/26/2015

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Both approach slabs has a deep spall and unsealed cracks.

Remarks



East approach slab has deep spalls.



Large spalls and large cracks in east approach slab.



West approach slab, large cracks.



Approach slab at abutment 1 has a deep spall and unsealed cracks.



Large spalls and large cracks in east approach slab.



West approach slab has large unsealed cracks.

Maintenance Needs

Date Reported: 08/26/2015

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Substructure

Deficiency Description

Bent 2 columns 2 and 3 and column 5 at bent 5 have large spalls with rebar exposed.

Remarks



Bent 2 column 2, large spall with exposed rebar with section loss.



Bent 2 columns 2 and 3 have large spalls with rebar exposed



Bent 2 column 2 spall with exposed rebar



Bent 2 columns 2&3 have large spalls with exposed rebar.

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 and missing joint seals.

Remarks



Bent 3, loss of bond and leaking.



Span 1, large unsealed longitudinal crack.



Deck has large unsealed cracks.



Deck span 5 has longitudinal unsealed crack that reflects through to the soffit.



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

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	



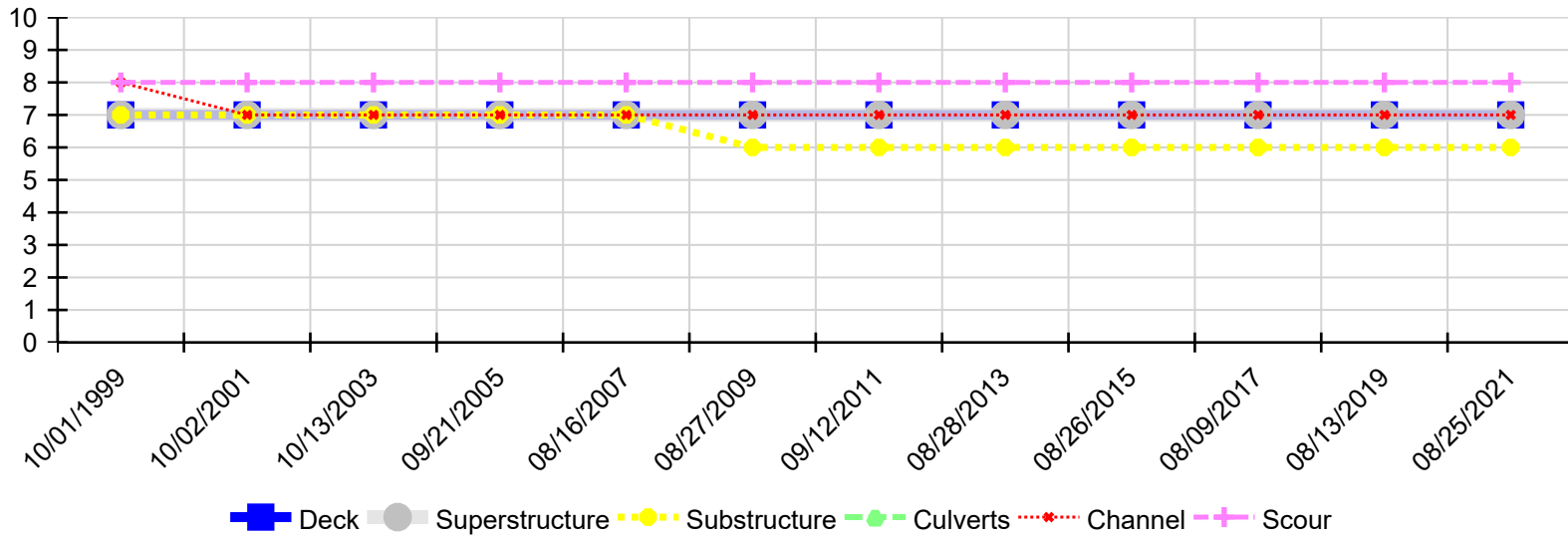
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Team Lead: Shane Byrd, Inspection Date: 08/25/2021

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	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	6	N	7	8
08/16/2007	7	7	7	N	7	8
09/21/2005	7	7	7	N	7	8
10/13/2003	7	7	7	N	7	8
10/02/2001	7	7	7	N	7	8
10/01/1999	7	7	7	N	8	8