



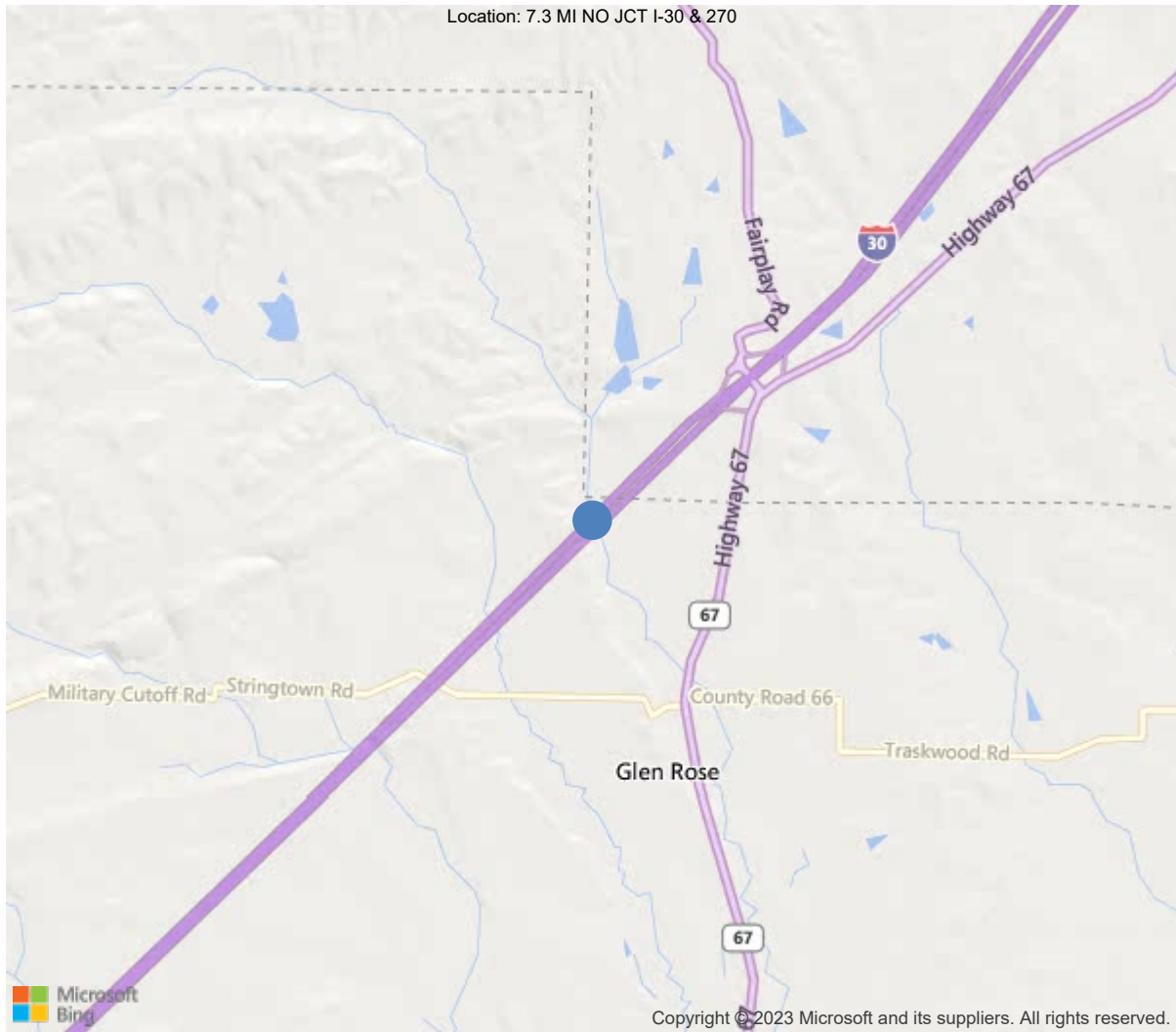
Latitude:34.47210, Longitude:-92.73809

Route:30 Section:21 Log:105.28

Arnold Road ID:30x30x21xB, Arnold Log mile:37.685

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency



34.47210, -92.73809



Asset #A3245(Routine)

I-30 WB Log 105.28 over TEN MILE CREEK

Location: 7.3 MI NO JCT I-30 & 270

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A3245
(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 WB Log 105.28
(9) Location	7.3 MI NO JCT I-30 & 270
(11) Mile Point	105.28 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030210
(16) Latitude	34.4721
(17) Longitude	-92.73809
(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	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	150 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	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 #A3245(Routine)

District: 06, County: 59 - Hot Spring County

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

General Observation

job 060616 dwg 34401. 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 #A3245(Routine)

I-30 WB Log 105.28 over TEN MILE CREEK

Location: 7.3 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	6420	4913	1327	180	0
1080	Delamination/Spall/Patched Area	SF	136	0	136	0	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	150	0	120	30	0
1130	Cracking (RC and Other)	SF	980	0	830	150	0
1190	Abrasion/Wear (PSC/RC)	SF	240	0	240	0	0
(38) Bottom of deck has cracks with efflorescence. The top of deck has large unsealed cracks. Bent 2,3,4, 5,6 spalls, exposed rebar and delamination in the haunch area. Abrasion at the joints bents 2-5.							
205	Reinforced Concrete Column	EA	16	9	4	3	0
1080	Delamination/Spall/Patched Area	EA	4	0	4	0	0
1090	Exposed Rebar	EA	2	0	0	2	0
1130	Cracking (RC and Other)	EA	1	0	0	1	0
(205) Bent 2 column 2 exposed rebar. Bent 3 column 2 exposed rebar, column 3 delamination. Bent 4 column 2 has delamination and column 3 has a large crack. Bent 5 columns 2 and 3 have delamination.							
210	Reinforced Concrete Pier Wall	LF	180	180	0	0	0
(210) Pier walls are the struts of the interior bents.							
215	Reinforced Concrete Abutment	LF	98	89	9	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
(215) Small cracks and spalls in both abutments.							
234	Reinforced Concrete Pier Cap	LF	172	166	4	2	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1090	Exposed Rebar	LF	3	0	1	2	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
(234) Exposed rebar at bent 4 And delamination. Bent 5 has large spall and delamination on the bottom of the cap and efflorescence on the ahead side.							
301	Pourable Joint Seal	LF	160	0	160	0	0
2310	Leakage	LF	160	0	160	0	0
(301) All joints have lost bond and are leaking.							
321	Reinforced Concrete Approach Slab	SF	2888	2716	12	160	0



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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130	Cracking (RC and Other)	SF	160	0	0	160	0
4000	Settlement	SF	12	0	12	0	0
(321) Both approach slabs have large cracks.							
331	Reinforced Concrete Bridge Railing	LF	300	270	30	0	0
1080	Delamination/Spall/Patched Area	LF	20	0	20	0	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6420	4913	1327	180	0
1080	Delamination/Spall/Patched Area	SF	136	0	136	0	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	150	0	120	30	0
1130	Cracking (RC and Other)	SF	980	0	830	150	0
1190	Abrasion/Wear (PSC/RC)	SF	240	0	240	0	0
(38) Bottom of deck has cracks with efflorescence. The top of deck has large unsealed cracks. Bent 2,3,4, 5,6 spalls, exposed rebar and delamination in the haunch area. Abrasion at the joints bents 2-5.							



Asset #A3245(Routine)

I-30 WB Log 105.28 over TEN MILE CREEK

Location: 7.3 MI NO JCT I-30 & 270

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	16	9	4	3	0
1080	Delamination/Spall/Patched Area	EA	4	0	4	0	0
1090	Exposed Rebar	EA	2	0	0	2	0
1130	Cracking (RC and Other)	EA	1	0	0	1	0
(205) Bent 2 column 2 exposed rebar. Bent 3 column 2 exposed rebar, column 3 delamination. Bent 4 column 2 has delamination and column 3 has a large crack. Bent 5 columns 2 and 3 have delamination.							
210	Reinforced Concrete Pier Wall	LF	180	180	0	0	0
(210) Pier walls are the struts of the interior bents.							
215	Reinforced Concrete Abutment	LF	98	89	9	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
(215) Small cracks and spalls in both abutments.							
234	Reinforced Concrete Pier Cap	LF	172	166	4	2	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1090	Exposed Rebar	LF	3	0	1	2	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
(234) Exposed rebar at bent 4 And delamination. Bent 5 has large spall and delamination on the bottom of the cap and efflorescence on the ahead side.							

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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I-30 WB Log 105.28 over TEN MILE CREEK

Location: 7.3 MI NO JCT I-30 & 270

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Span 3 soffit overview.



Deck overview.



Approach Westbound



Span 4 at bent 5 deck has abrasion common bent 2.



Bent 2 above cap haunch of deck has delam.



Span 5 deck has longitudinal crack that reflects through to the soffit at centerline.



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



Deck haunch above bent 6 has spall with exposed rebar.



Bent 2 column 2 has spall with exposed rebar.



Bent 2 column 2 has spall with exposed rebar.



Bent 4 column 3 has large crack.



Bent 3 column 3 has delam.



Bent 5 cap ahead has cracks with efflorescence.



Bent 4 cap bottom has spall with exposed rebar.



Bent 5 cap bottom has spall with exposed rebar.



Bent 4 cap ahead has delam.



Large unsealed cracks in the east approach slab.



West approach slab has large unsealed longitudinal crack.



Bent 1 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: Deck

Deficiency Description

Large unsealed longitudinal cracks.

Remarks



Span 5 deck has longitudinal crack that reflects through to the soffit at centerline.



Span 2, large longitudinal crack.



Span 5 large longitudinal cracks.



Deck has large unsealed cracks.



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I-30 WB Log 105.28 over TEN MILE CREEK

Location: 7.3 MI NO JCT I-30 & 270

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	



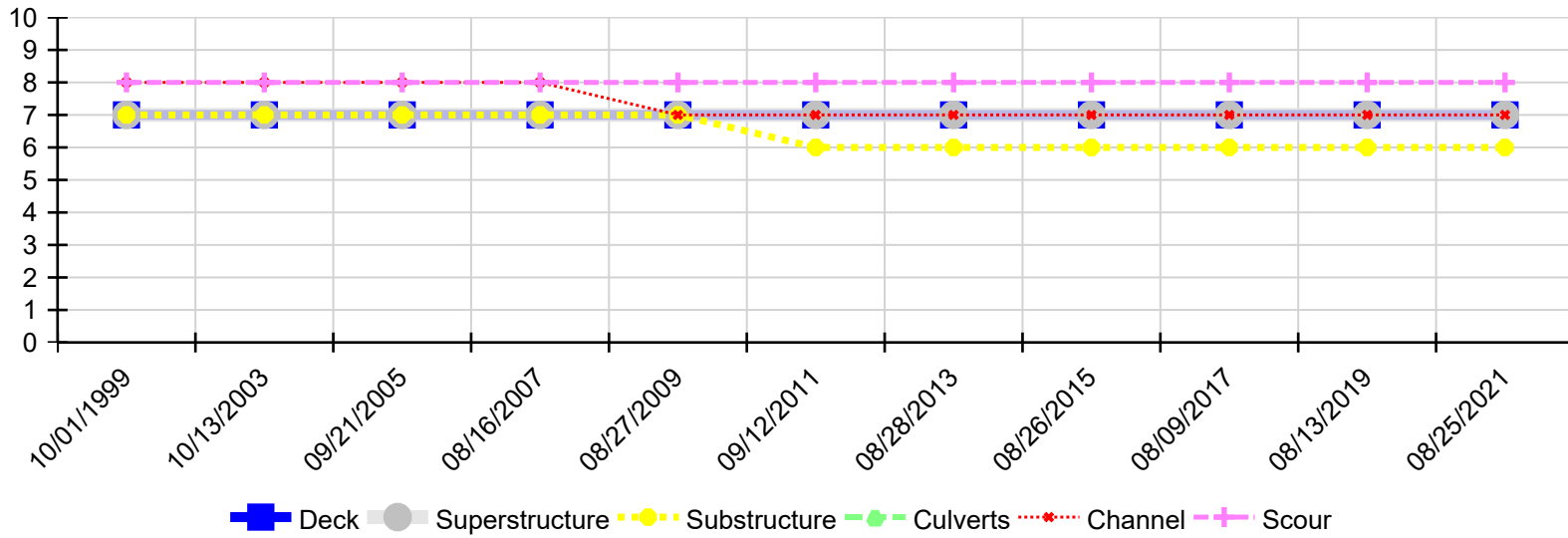
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Team Lead: Shane Byrd, Inspection Date: 08/25/2021

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	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	7	7	7	N	8	8