



Latitude:35.55026, Longitude:-93.51820

Route:76 Section:00 Log:1.79

Arnold Road ID:36xCOUNTY3390RDx3xA, Arnold Log mile:1.728

District 08, 71 - Johnson County

Owner: 2 - County Highway Agency

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

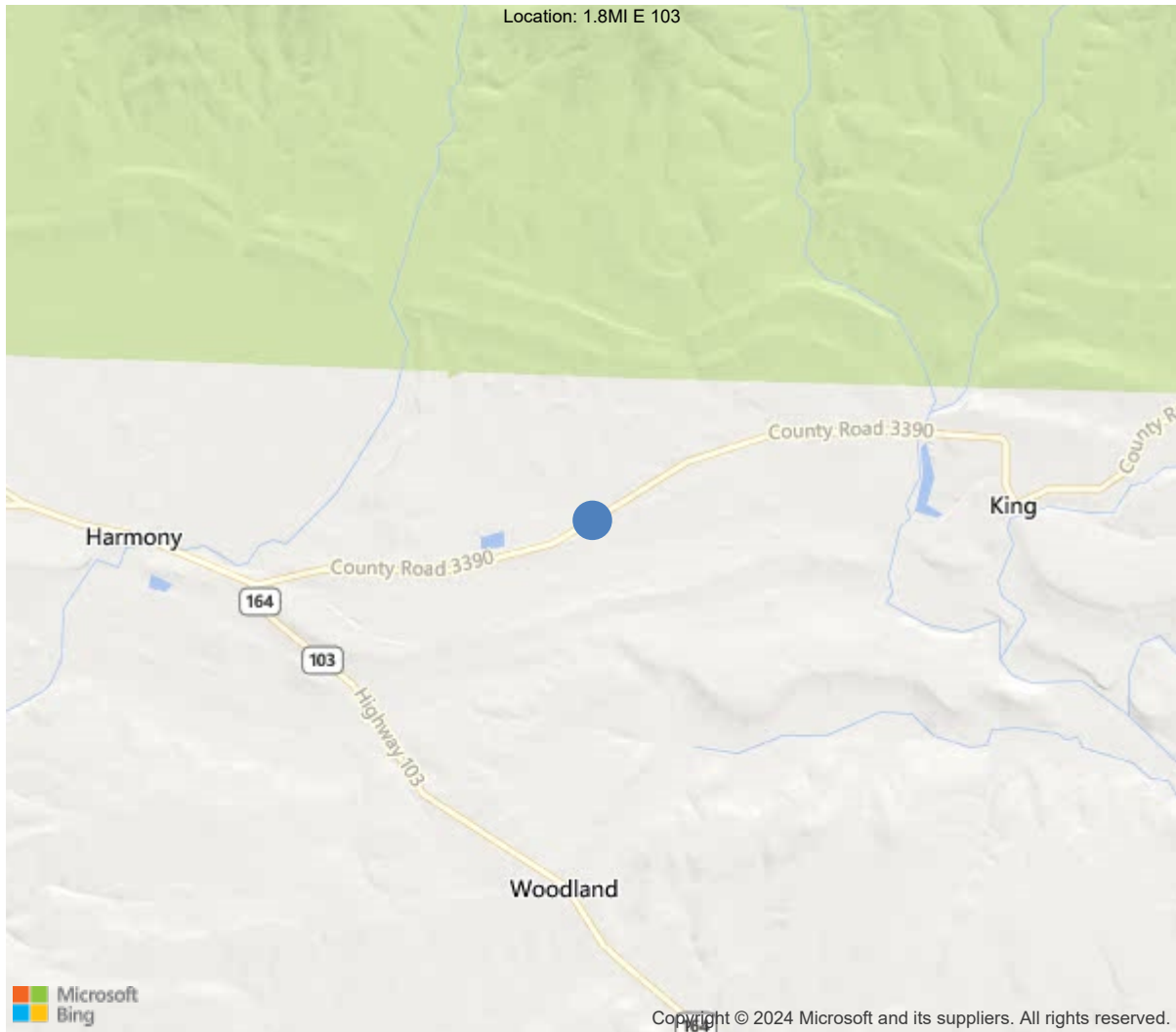
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	24		
Code 9 (31 Tons)	31		24
Code 5 (40 Tons)	40		34

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



35.55026, -93.51820



Asset #14366(Routine)

CR 3390 - D over Spadra Creek

Location: 1.8MI E 103

Team Lead: Rhett Franks, Inspection Date: 01/25/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	14366
(5) Inventory Route	1
(2) Highway Agency District	08 - District 08
(3) County Code	71 - Johnson County
(4) Place Code	0
(6) Features Intersected	Spadra Creek
(7) Facility Carried	CR 3390 - D
(9) Location	1.8MI E 103
(11) Mile Point	1.79 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.550262
(17) Longitude	-93.518196
(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	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1941
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1143
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	23 ft
(49) Structure Length	23 ft
(50) Curb or Sidewalk Width	
Left	1.2 ft
Right	1.2 ft
(51) Bridge Roadway Width Curb to Curb	20.3 ft
(52) Deck Width Out to Out	22.4 ft
(32) Approach Roadway Width (W/Shoulders)	24.9 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	21.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 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	0
(26) Functional Class	8 - Rural Minor Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	2 - Bridge is eligible for the
CONDITION	
(58) Deck	7
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	37
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	22
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	310
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	01/25/2024		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* 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.			



41 - Structure Open/Posted/Closed (A)

Weight posting not required.

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Overall the deck is in good condition, has a asphalt wearing surface, soffits have scattered areas of cracking with/without efflorescence.

Bridge rail has minor spalling from collisions on the left and right side.
Bay 5 in between girders 4 and 5 has minor cracking with efflorescence.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Overall the superstructure is in satisfactory condition with active corrosion in the top flanges , exterior girders around the deck joints and scattered locations throughout.

Minor rust on the beam ends and rust with a failing paint system throughout the girders.
Paint system is failing on all girders and needs to be repainted.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Overall the substructure is in satisfactory condition with minor cracking, mortar breakdown, light abrasion and deterioration in masonry stones.

Bent 2 Light efflorescence in the wing wall with minor stone displacement.
Bent 2 has minor cracking with mortar breakdown at the drain outlet.
Bent 2 at Centerline has minor cracking with mortar breakdown at the drain outlet.

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.)

Overall the channel is in good condition with minor brush and vegetation along the bank, left and right side.



Team Lead: Rhett Franks, Inspection Date: 01/25/2024

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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Elevation



Inventory



Sign in place at end of bridge. Not required.



Bay 5 in between girders 4 and 5 has minor cracking with efflorescence.



Typical undersurface



Spalling in bridge railing left and right sides.



Typical deck



Minor rust on beam ends.



Stone displacement at abutment 2 right side.



Cracking and mortar break down in abutment 2.



Minor cracking with efflorescence in the wing wall.



Beams need to be painted.



Load posting sign is damaged



Team Lead: Rhett Franks, Inspection Date: 01/25/2024

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	Yes
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed (Yes)



Beams need to be painted.

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A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage



Asset #14366(Routine)

CR 3390 - D over Spadra Creek

Location: 1.8MI E 103

Team Lead: Rhett Franks, **Inspection Date:** 01/25/2024

A-64 - Vegetation Removal Requested



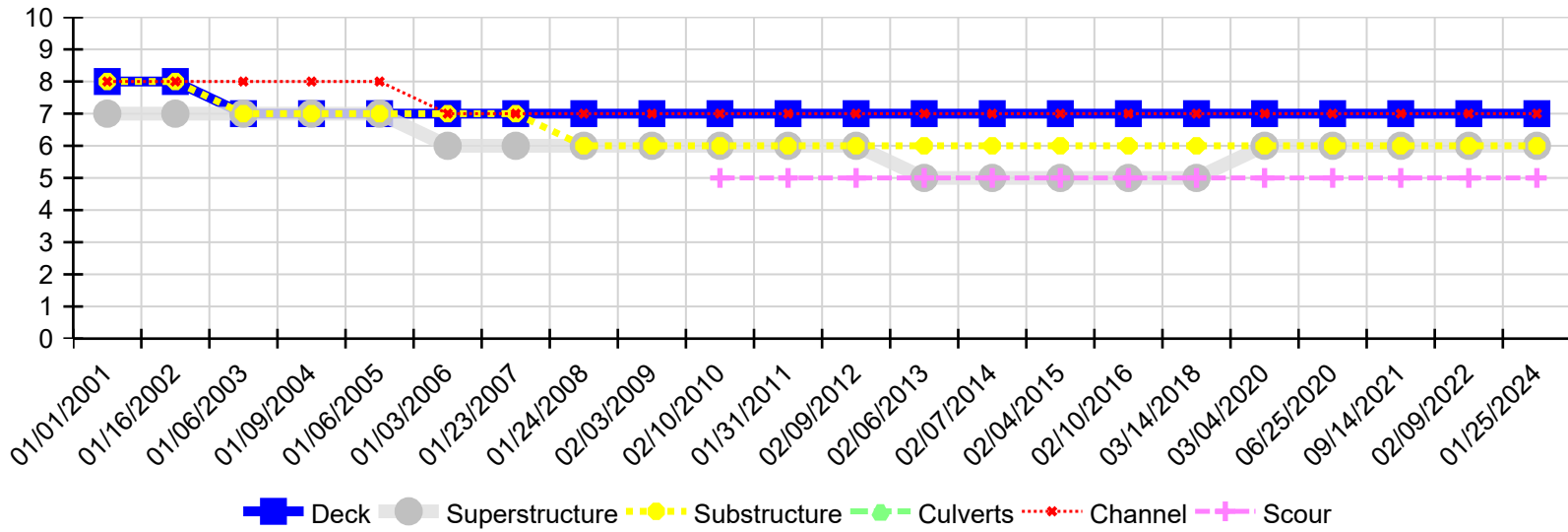
Asset #14366(Routine)

CR 3390 - D over Spadra Creek

Location: 1.8MI E 103

Team Lead: Rhett Franks, Inspection Date: 01/25/2024

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/25/2024	7	6	6	N	7	5
02/09/2022	7	6	6	N	7	5
09/14/2021	7	6	6	N	7	5
06/25/2020	7	6	6	N	7	5
03/04/2020	7	6	6	N	7	5
03/14/2018	7	5	6	N	7	5
02/10/2016	7	5	6	N	7	5
02/04/2015	7	5	6	N	7	5
02/07/2014	7	5	6	N	7	5
02/06/2013	7	5	6	N	7	5
02/09/2012	7	6	6	N	7	5
01/31/2011	7	6	6	N	7	5
02/10/2010	7	6	6	N	7	5
02/03/2009	7	6	6	N	7	N
01/24/2008	7	6	6	N	7	N
01/23/2007	7	6	7	N	7	N
01/03/2006	7	6	7	N	7	N
01/06/2005	7	7	7	N	8	N
01/09/2004	7	7	7	N	8	N
01/06/2003	7	7	7	N	8	N
01/16/2002	8	7	8	N	8	N
01/01/2001	8	7	8	N	8	N