



Latitude:34.07382, Longitude:-93.58444

Route:11 Section:00 Log:0.52

Arnold Road ID:55xHEADRDx1xA, Arnold Log mile:0.549

District 03, 109 - Pike County

Owner: 2 - County Highway Agency

Inspection Direction: 2 - S to N

### Bridge Posting Information

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

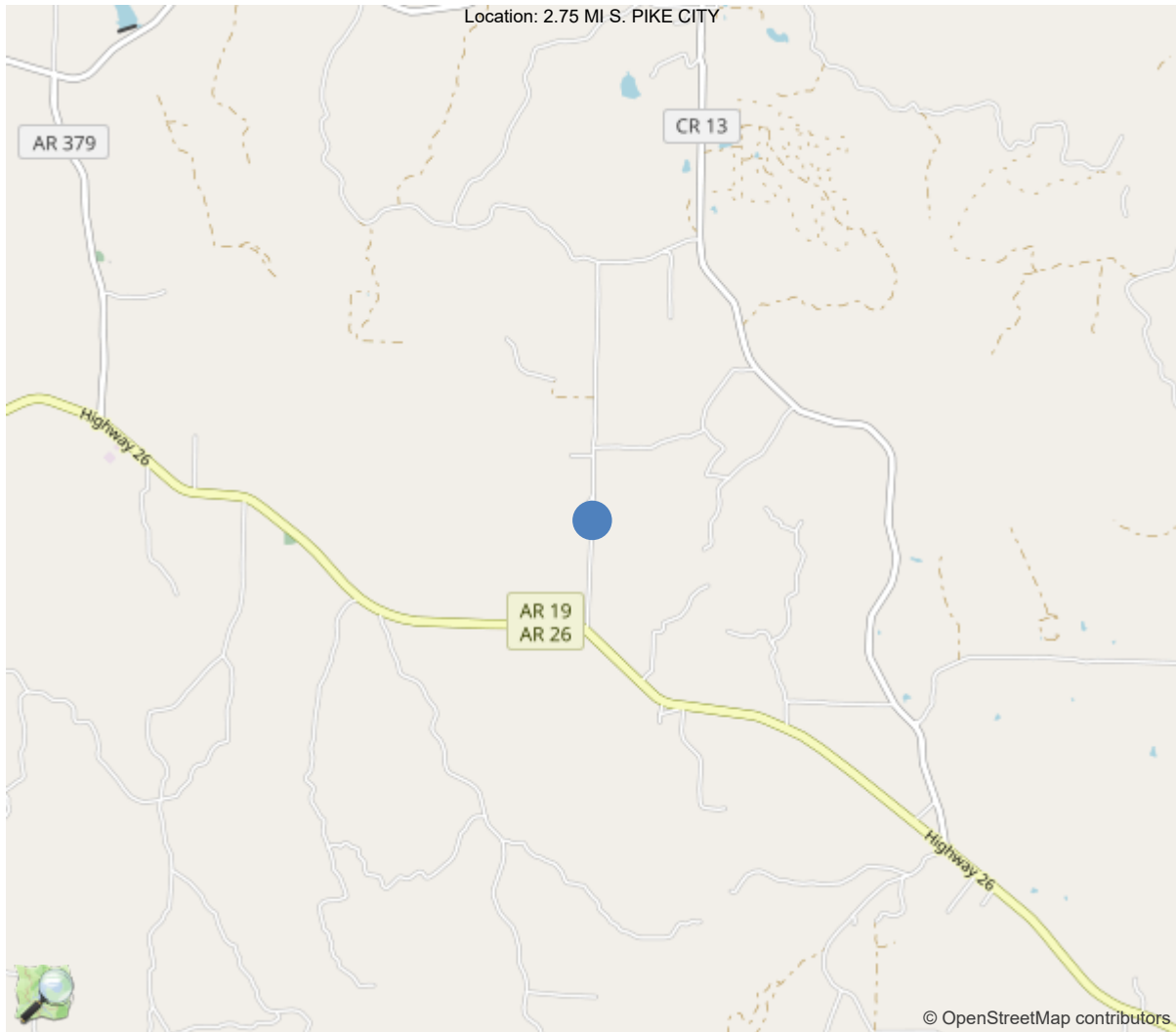
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	34		
Code 9 (31 Tons)	36		
Code 5 (40 Tons)	40		

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



34.07382, -93.58444





Asset #23415(Routine, Underwater type 2)

CR 11-B-HEAD ROAD over SALINE CREEK

Location: 2.75 MI S. PIKE CITY

Team Lead: John King Inspection Date: 03/19/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	23415
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	109 - Pike County
(4) Place Code	0
(6) Features Intersected	SALINE CREEK
(7) Facility Carried	CR 11-B-HEAD ROAD
(9) Location	2.75 MI S. PIKE CITY
(11) Mile Point	0.52 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.073822
(17) Longitude	-93.584442
(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	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	2011
(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	227
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	4 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	61 ft
(49) Structure Length	61 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24.6 ft
(52) Deck Width Out to Out	24.9 ft
(32) Approach Roadway Width (W/Shoulders)	24.9 ft
(33) Bridge Median	0 - No median
(34) Skew	24 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	24.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	0
(26) Functional Class	9 - Rural Local
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(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 structu
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(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	41
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	25
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(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 t
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	0
(114) Future ADT	125
(115) Year of Future ADT	2032

INSPECTIONS *			
(90) Inspection Date	03/19/2024		
(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.			





**Asset #23415**(Routine, Underwater type 2)

**CR 11-B-HEAD ROAD over SALINE CREEK**

**Location: 2.75 MI S. PIKE CITY**

**Team Lead: John King Inspection Date: 03/19/2024**

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

The deck rating is a 7 this inspection due to minor deck cracking in various locations of the driving surface as well as both right and left sides of the metal bridge railing having minor corrosion.

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**59 - Superstructure (7 - GOOD CONDITION - some minor problems.)**

Superstructure rating is a 7 this inspection due to very minor corrosion to the bottom flanges of all the painted steel beams. Beam 5, Minor corrosion, Typical throughout all beams

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**60 - Substructure (7 - GOOD CONDITION - some minor problems.)**

The substructure rating is a 7 this inspection due to minor honeycombing areas and abrasion to both abutments 1 & 2. Abutment 2, Rt side, Honeycomb area, Typical in various locations of both abutments

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**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.)**

Channel rating is a 7 this inspection due to minor embankment damage to the downstream side of the bridge.

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**A-54 - Sealable Deck Cracks (Y)**

Sealable deck cracking is present in various locations on the driving surface of the bridge deck.

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**B.C.05 Bridge Railing Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)**

Metal bridge railing photo rusting

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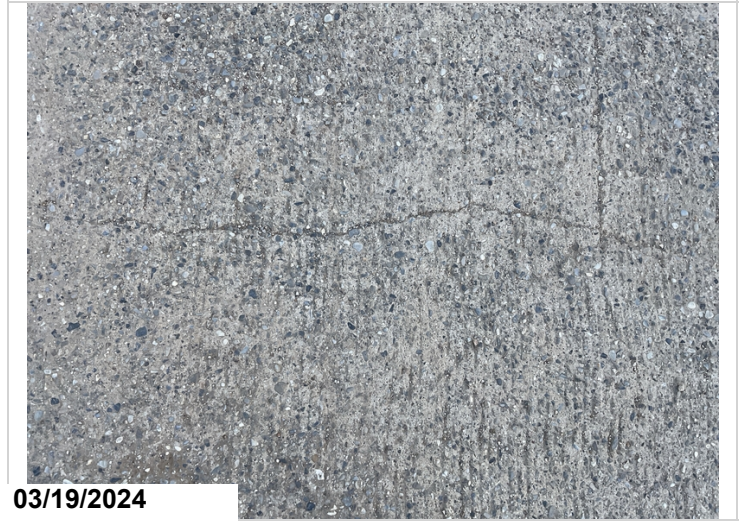
**A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (8 - Insignificant scour.)**

Scour rating is an 8 this inspection due to insignificant scour at end abutments. The footing elevations are unknown on this bridge.

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Elevation photo



Sealable deck cracking



Underside of deck photo

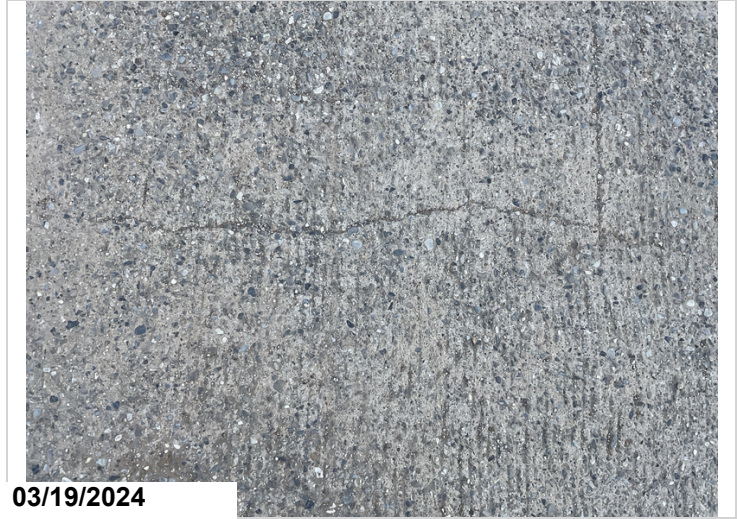


Lt side metal bridge railing, Minor corrosion, Typical of both right and left sides





Typical deck photo



Lt side of bridge deck, Deck cracking, Typical in various locations.



Rt side of bridge deck, Deck cracking, Typical in various locations.



Beam 5, Minor corrosion, Typical throughout all beams





Painted steel beam photo



Abutment 2, Rt side, Honeycomb area, Typical in various locations of both abutments



Abutment 2 photo



Abutment 1 photo





Upstream



Downstream embankment damage



Downstream



Inventory photo



Metal bridge railing photo





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CR 11-B-HEAD ROAD over SALINE CREEK

Location: 2.75 MI S. PIKE CITY

Team Lead: John King Inspection Date: 03/19/2024

## Routine Maintenance

### Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No

#### A-54 - Sealable Deck Cracks (Yes)

Sealable deck cracking is present in various locations on the driving surface of the bridge deck.

#### A-55 - Deck Washing Needed (No)

#### A-56 - Joint Cleaning/Flushing Needed (No)



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**Location: 2.75 MI S. PIKE CITY**

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**A-57 - Girder End and Bearing Painting Needed (No)**

**A-58 - Cap Cleaning/Flushing Needed (No)**

**A-59 - Joint Repair Needed (No)**

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (No)**

**A-62 - Hydro and LMC Advised (No)**

**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested (No)**



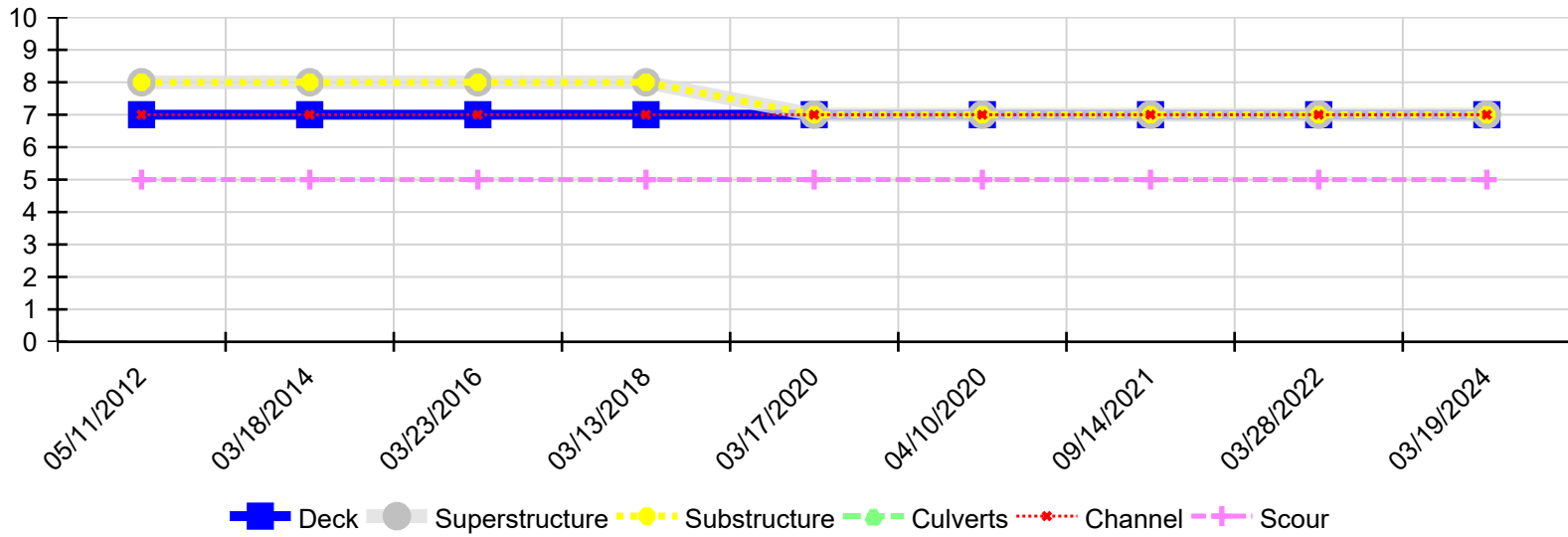
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CR 11-B-HEAD ROAD over SALINE CREEK

Location: 2.75 MI S. PIKE CITY

Team Lead: John King Inspection Date: 03/19/2024

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/19/2024	7	7	7	N	7	5
03/28/2022	7	7	7	N	7	5
09/14/2021	7	7	7	N	7	5
04/10/2020	7	7	7	N	7	5
03/17/2020	7	7	7	N	7	5
03/13/2018	7	8	8	N	7	5
03/23/2016	7	8	8	N	7	5
03/18/2014	7	8	8	N	7	5
05/11/2012	7	8	8	N	7	5



10' Scale

