



Latitude:36.09183, Longitude:-91.91833

Route:9 Section:13 Log:2.48

Arnold Road ID:33x9x13xA, Arnold Log mile:2.479

District 05, 65 - IZARD County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

### Bridge Posting Information

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

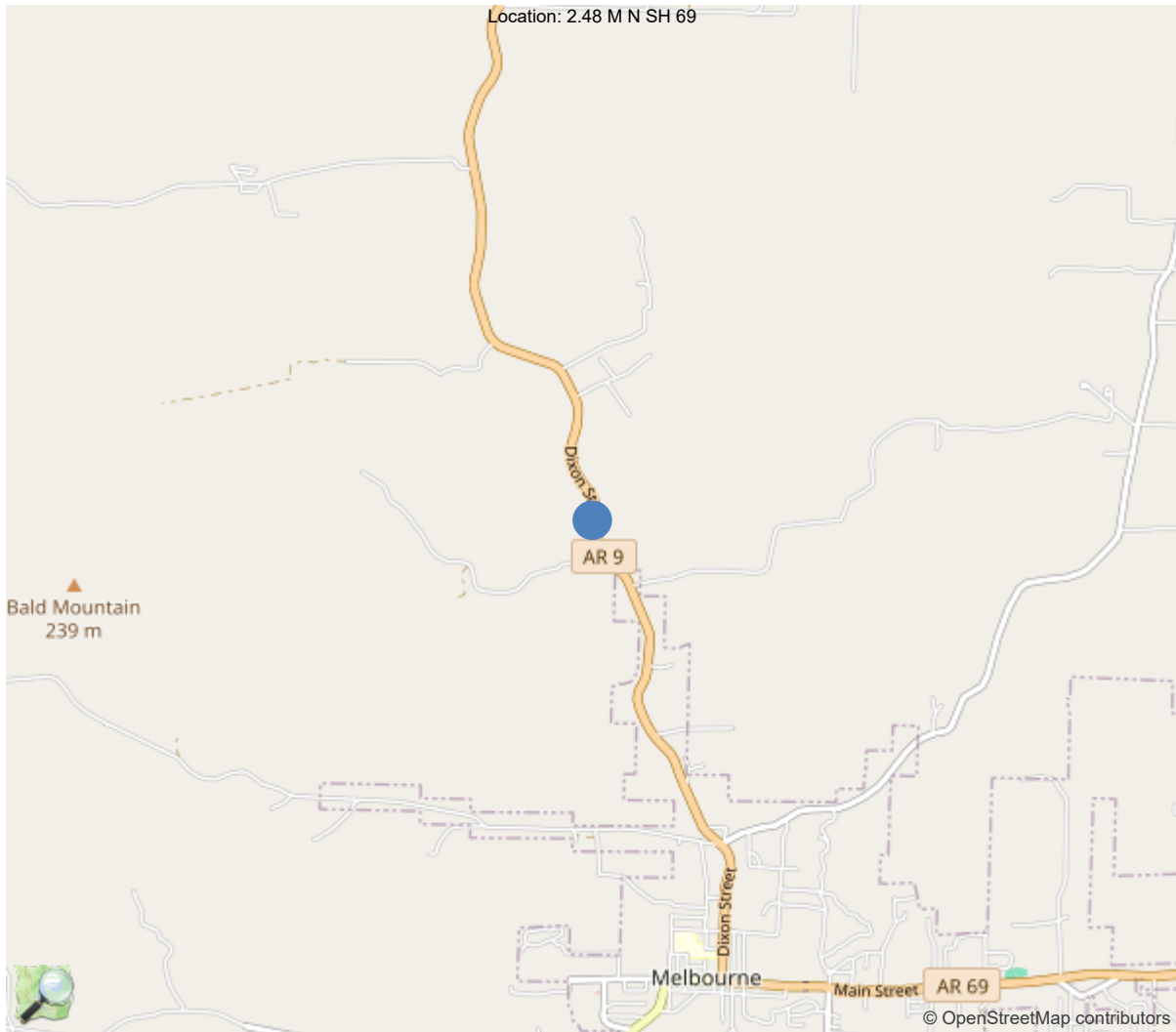
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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



36.09183, -91.91833





IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07126
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	65 - Izard County
(4) Place Code	0
(6) Features Intersected	Big Hurricane Creek
(7) Facility Carried	SH 9 Izard Co.
(9) Location	2.48 M N SH 69
(11) Mile Point	2.48 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000009130
(16) Latitude	36.0918272297901
(17) Longitude	-91.9183341041671
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
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	3
(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	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	3100
(30) Year of ADT	2018
(109) Truck ADT	10 %
(19) Bypass, Detour Length	46 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	55 ft
(49) Structure Length	147.4 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	40 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0 - No median
(34) Skew	25 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	6 - Rural Minor Arterial
(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	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	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A - HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3 - Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3 - Load and Resistance Factor
(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	
(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	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	3763
(115) Year of Future ADT	2029

INSPECTIONS *			
(90) Inspection Date	07/24/2023		
(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 #07126**(Routine)

**SH 9 Izard Co. over Big Hurricane Creek**

**Location: 2.48 M N SH 69**

**Team Lead:** Kerry Little **Inspection Date:** 07/24/2023

**General Observation**

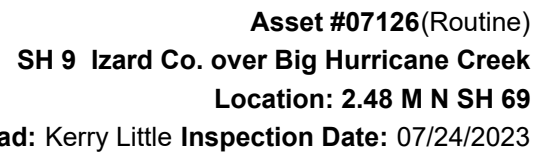
Elevation with Log Mile running to the Left.  
Const. job #050178

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**A-51 - Inspection Direction (2 - S to N)**

Roadway with Log Mile running South to North.

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6259	6029	183	47	0
1120	Efflorescence/Rust Staining	SF	40	0	40	0	0
1130	Cracking (RC and Other)	SF	190	0	143	47	0
510	Wearing Surfaces	SF	5896	5896	0	0	0
(12) Few minor cracks to deck. Minor efflorescent cracking to Left & Right overhangs.							
107	Steel Open Girder/Beam	LF	725	725	0	0	0
515	Steel Protective Coating	SF	5510	5510	0	0	0
205	Reinforced Concrete Column	EA	4	2	2	0	0
6000	Scour	EA	2	0	2	0	0
(205) Local scour @ Columns 1 & 2 @ Bent 1.							
215	Reinforced Concrete Abutment	LF	132	47	81	4	0
1120	Efflorescence/Rust Staining	LF	9	0	9	0	0
6000	Scour	LF	76	0	72	4	0
(215) A few minor full height vertical efflorescent cracks to Abutments 1 and 2. Minor erosion to slope at Abutments 1 & 2 Right.							
234	Reinforced Concrete Pier Cap	LF	90	90	0	0	0
302	Compression Joint Seal	LF	92	77	0	15	0
2350	Debris Impaction	LF	15	0	0	15	0
(302) Debris Impaction to Compression Joint Seal @ Abutments 1 & 2.							
310	Elastomeric Bearing	EA	20	20	0	0	0
515	Steel Protective Coating	SF	40	40	0	0	0
331	Reinforced Concrete Bridge Railing	LF	290	221	69	0	0
1130	Cracking (RC and Other)	LF	69	0	69	0	0
(331) Minor vertical cracking to Left & Right parapets.							



Elevation with log mile going right.



Roadway with log mile looking north.



Overall deck below @ span 2.



Local scour @ Columns 1 & 2 @ Bent 1.





07/24/2023

Efflor cracks to Lt & Rt overhangs.



07/24/2023

Downstream



07/24/2023

Upstream



07/24/2023

Typical cracks to Lt & Rt parapet wall.





Overall deck.

### Maintenance Needs

Date Reported: 07/08/2019

Priority: D- Routine

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

Status: Monitor

Component:

### Deficiency Description

Minor scouring to Abutments 1 & Rt. end of Abutment 2.

### Remarks



Minor erosion to Rt ends @ abutments 1.



Minor erosion to Rt. end of Abutment 2



Minor scouring to Abutments 1 & 2 on Rt ends.  
Abutment 2.



Minor scouring to Abutments 1 & 2 on Rt ends.  
Abutment 1.



## 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	
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**





**Asset #07126(Routine)**

**SH 9 Iazard Co. over Big Hurricane Creek**

**Location: 2.48 M N SH 69**

**Team Lead: Kerry Little Inspection Date: 07/24/2023**

**A-57 - Girder End and Bearing Painting Needed**

**A-58 - Cap Cleaning/Flushing Needed**

**A-59 - Joint Repair Needed**

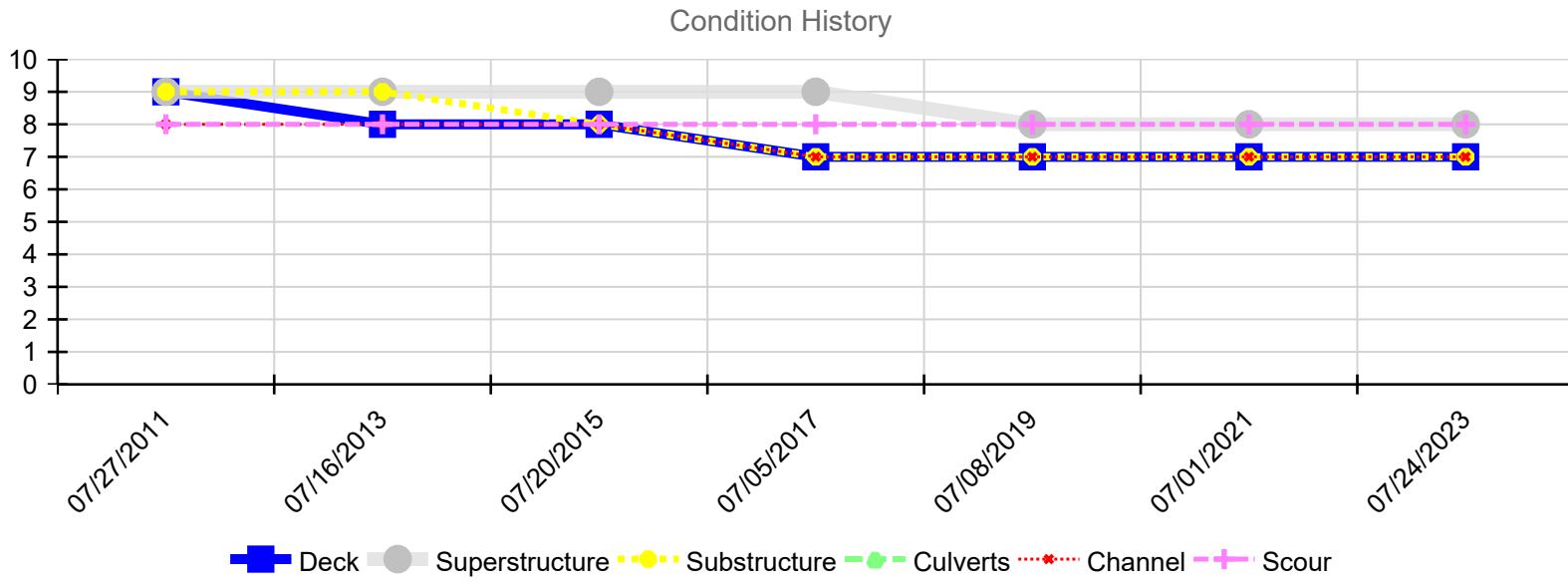
**A-60 - Full Girder Painting Needed**

**A-61 - Polymer Overlay Advised**

**A-62 - Hydro and LMC Advised**

**A-63 - Missing/Incorrect Log Mile Signage**

**A-64 - Vegetation Removal Requested**



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/24/2023	7	8	7	N	7	8
07/01/2021	7	8	7	N	7	8
07/08/2019	7	8	7	N	7	8
07/05/2017	7	9	7	N	7	8
07/20/2015	8	9	8	N	8	8
07/16/2013	8	9	9	N	8	8
07/27/2011	9	9	9	N	8	8