



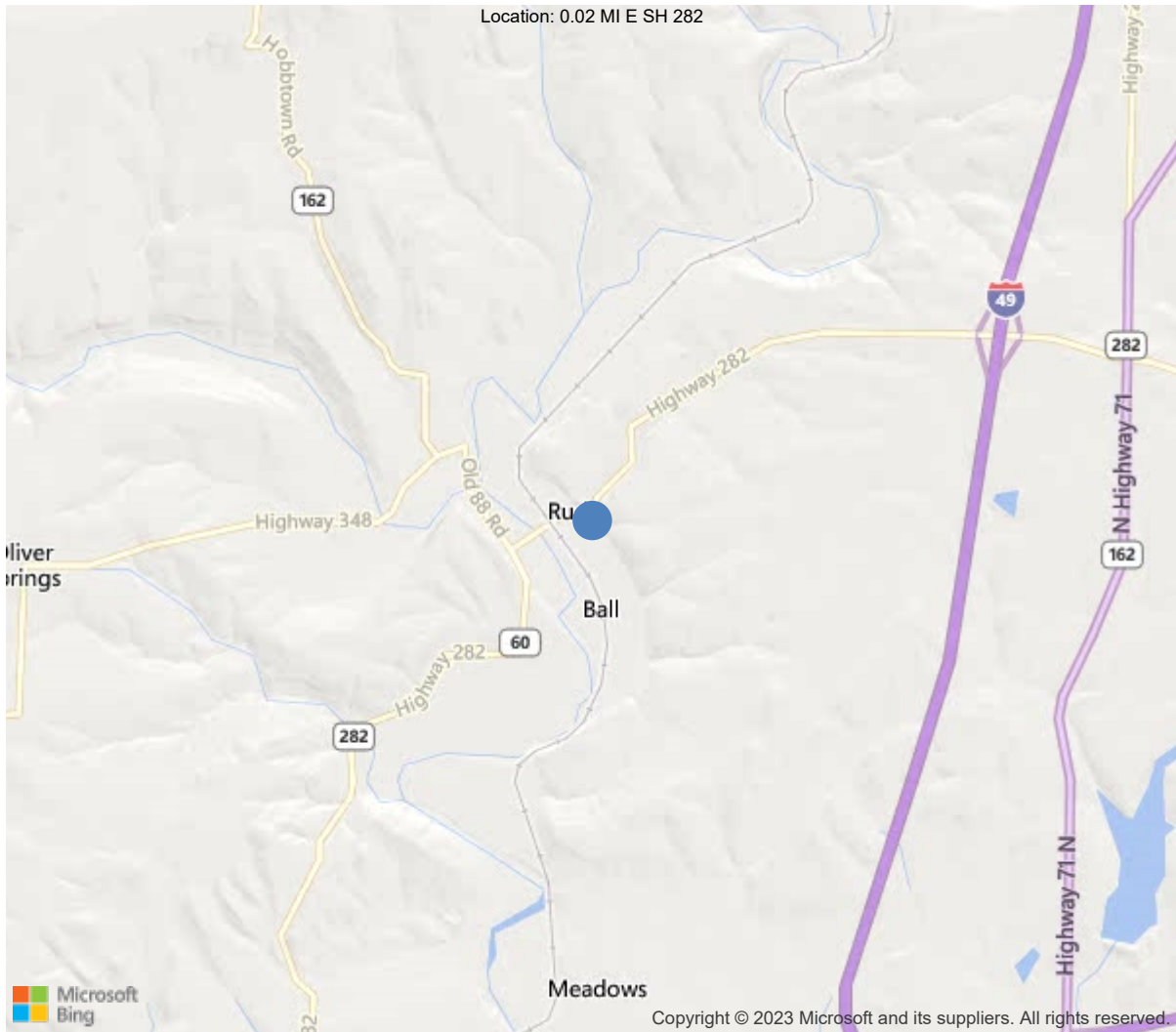
Latitude:35.52639, Longitude:-94.26765

Route:19 Section:00 Log:0.04

Arnold Road ID:17xOLDRUDYWAYx1xA, Arnold Log mile:0.026

District 04, 33 - Crawford County

Owner: 2 - County Highway Agency



35.52639, -94.26765



Asset #12180(Routine)

Old Rudy Way over Creek - Crawford Co.

Location: 0.02 MI E SH 282

Team Lead: Jeff Jones, Inspection Date: 11/23/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	12180
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	33 - Crawford County
(4) Place Code	0
(6) Features Intersected	Creek - Crawford Co.
(7) Facility Carried	Old Rudy Way
(9) Location	0.02 MI E SH 282
(11) Mile Point	0.04 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.52639
(17) Longitude	-94.26765
(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	1940
(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	164
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	23 ft
(49) Structure Length	26 ft
(50) Curb or Sidewalk Width	
Left	0.4 ft
Right	0.4 ft
(51) Bridge Roadway Width Curb to Curb	20.3 ft
(52) Deck Width Out to Out	23.3 ft
(32) Approach Roadway Width (W/Shoulders)	20 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	9 - Rural Local
(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	1 - Bridge is on the National
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	1 - M9 / H10
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	49
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	29
(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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	6
(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	212
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	11/23/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			



General Observation

11/23/2021 - JCJ & TJL - Routine Inspection conducted this date.

12/03/2019 - EJW & JPW - Type 2 Underwater Inspection - Wading with visual observation during clear water conditions indicate that there are no apparent scour problems at this inspection.

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Deck Surface:

-Asphalt driving surface with minor vegetation in the gutters with no apparent noteworthy deficiencies during this inspection.

Deck Undersurface:

-Minor concrete deterioration adjacent to the deck drains with a couple of pieces of exposed reinforcing steel.
-Isolated areas of honeycomb from the construction process typical.

Bridge Railing:

11/23/2021 - JCJ & TJL - Maintenance forces have made repairs to both bridge railings since the last inspection.

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

Beams:

-The superstructure is constructed from riveted built up members.
-The top flanges have active corrosion adjacent to the deck drains with pack rust forming.
-Minor pitting along the bottom flanges of the beams that has been painted over in the past.
-Bent # 1 Beam # 10 and Bent # 2, Beams # 1 & 10 have up to 3/16" section loss and pack rust forming on the bottom flange between the cap and the beam.
-Several beam ends over Bent # 2 have up to 3/16" pack rust between the bottom flange and the bent cap.
-No visible cracks apparent during this inspection.

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

Abutments:

-Repairs to the grout are still holding with no apparent problems during this inspection.
-There are a few minor cracks in the grout between the stone.
-No visible settlement cracks or apparent rotation during this inspection.
-Rock masonry substructure with a concrete cap that has shallow softball sized spalls in the bearing areas of Beams # 2 and 4 at Bent # 1 with no exposed reinforcing steel.
-The concrete caps have a few vertical cracks.

Wing Walls:

-The Northeast Rock masonry wing wall has stone displacement at the top of the wing.

A-46 - Asset Files

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Asset #12180(Routine)

Old Rudy Way over Creek - Crawford Co.

Location: 0.02 MI E SH 282

Team Lead: Jeff Jones, Inspection Date: 11/23/2021

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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Superstructure

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				CS1	CS2	CS3	CS4

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Comment: Beams:

- The superstructure is constructed from riveted built up members.
- The top flanges have active corrosion adjacent to the deck drains with pack rust forming.
- Minor pitting along the bottom flanges of the beams that has been painted over in the past.
- Bent # 1 Beam # 10 and Bent # 2, Beams # 1 & 10 have up to 3/16" section loss and pack rust forming on the bottom flange between the cap and the beam.
- Several beam ends over Bent # 2 have up to 3/16" pack rust between the bottom flange and the bent cap.
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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Approach roadway facing West.



Deck. Typical.



Right bridge railing. Typical.



Left bridge railing. Typical.



Bridge end post.



Deck soffit. Typical.



Exposed reinforcing steel in the deck soffit adjacent to the deck drain. Beam # 1.



Superstructure. Typical.



Superstructure. Typical.



Bent # 1. Beam # 10 corrosion.



Beam # 10. Corrosion adjacent to the deck drains.



Beam # 1 - beam corrosion adjacent to the deck drain.



Bent # 1. Typical.



Northeast wing wall. Stone displacement.



Bent # 2. Typical.



Typical driving surface.



Beam1 active corrosion near the deck drains.



Bent 2 ,beam 1 active corrosion.



Northeast corner bridge rail damage.



Bent 2 ,beams 2 and 3 pack rust between the cap and the bottom flange of the beam.



Stone displacement in wing wall at Bent 2 left.



Roadway.



Elevation.

Maintenance Needs

Date Reported: 12/18/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Superstructure

Deficiency Description

Superstructure

- The top flanges of the exterior beams have active corrosion and section loss with pack rust adjacent to the deck drains.
- End of exterior beams over Bents # 1 & 2 have up to 3/16" section loss with pack rust forming between the cap and the bottom flange.
- Several beams over Bent # 2 have pack rust forming between the bottom flanges and the abutment caps.

Remarks



Bent # 2, Beam # 1 active corrosion.



Bent # 2, Beams # 2 and 3 pack rust between the cap and the bottom flange of the beam.



Beam # 1 active corrosion near the deck drains.



Beam # 10 corrosion adjacent to the deck drain.

Maintenance Needs

Date Reported: 12/18/2017

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Monitor

Component: Deck

Deficiency Description

Driving Surface

Asphalt driving surface with minor debris accumulation in the gutters.

Remarks



Typical driving surface.



Debris accumulation in the gutters.



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Location: 0.02 MI E SH 282

Team Lead: Jeff Jones, Inspection Date: 11/23/2021

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	



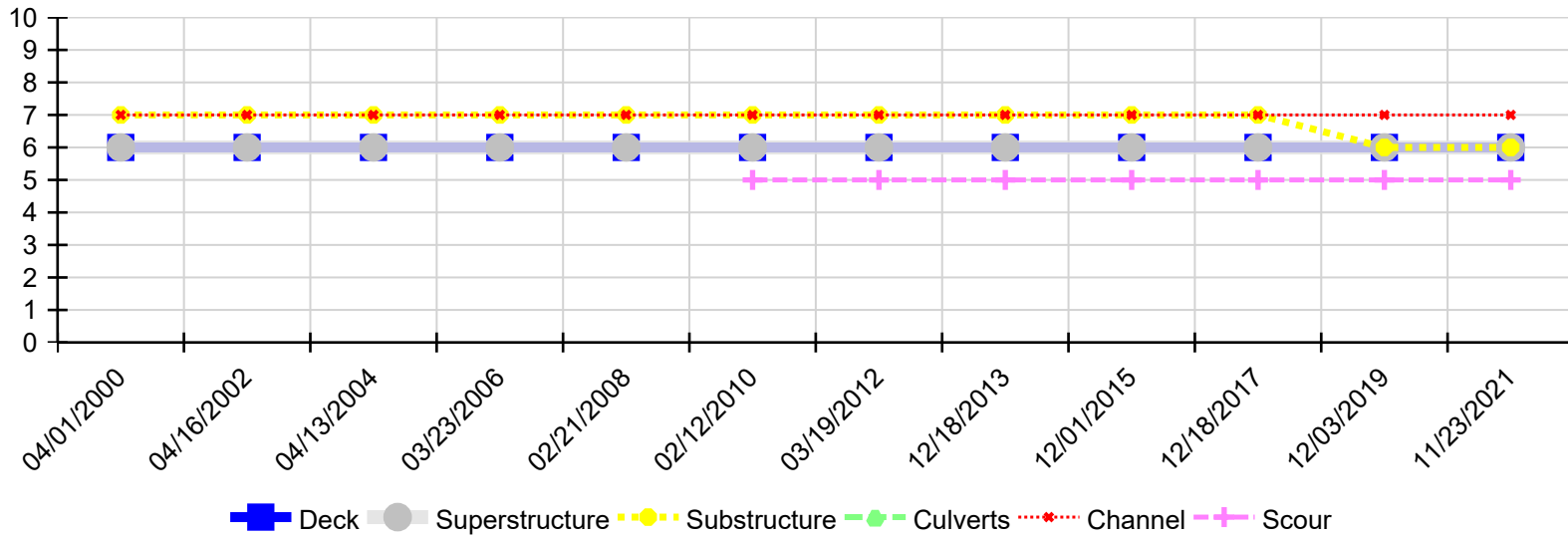
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/23/2021	6	6	6	N	7	5
12/03/2019	6	6	6	N	7	5
12/18/2017	6	6	7	N	7	5
12/01/2015	6	6	7	N	7	5
12/18/2013	6	6	7	N	7	5
03/19/2012	6	6	7	N	7	5
02/12/2010	6	6	7	N	7	5
02/21/2008	6	6	7	N	7	N
03/23/2006	6	6	7	N	7	N
04/13/2004	6	6	7	N	7	N
04/16/2002	6	6	7	N	7	N
04/01/2000	6	6	7	N	7	N