



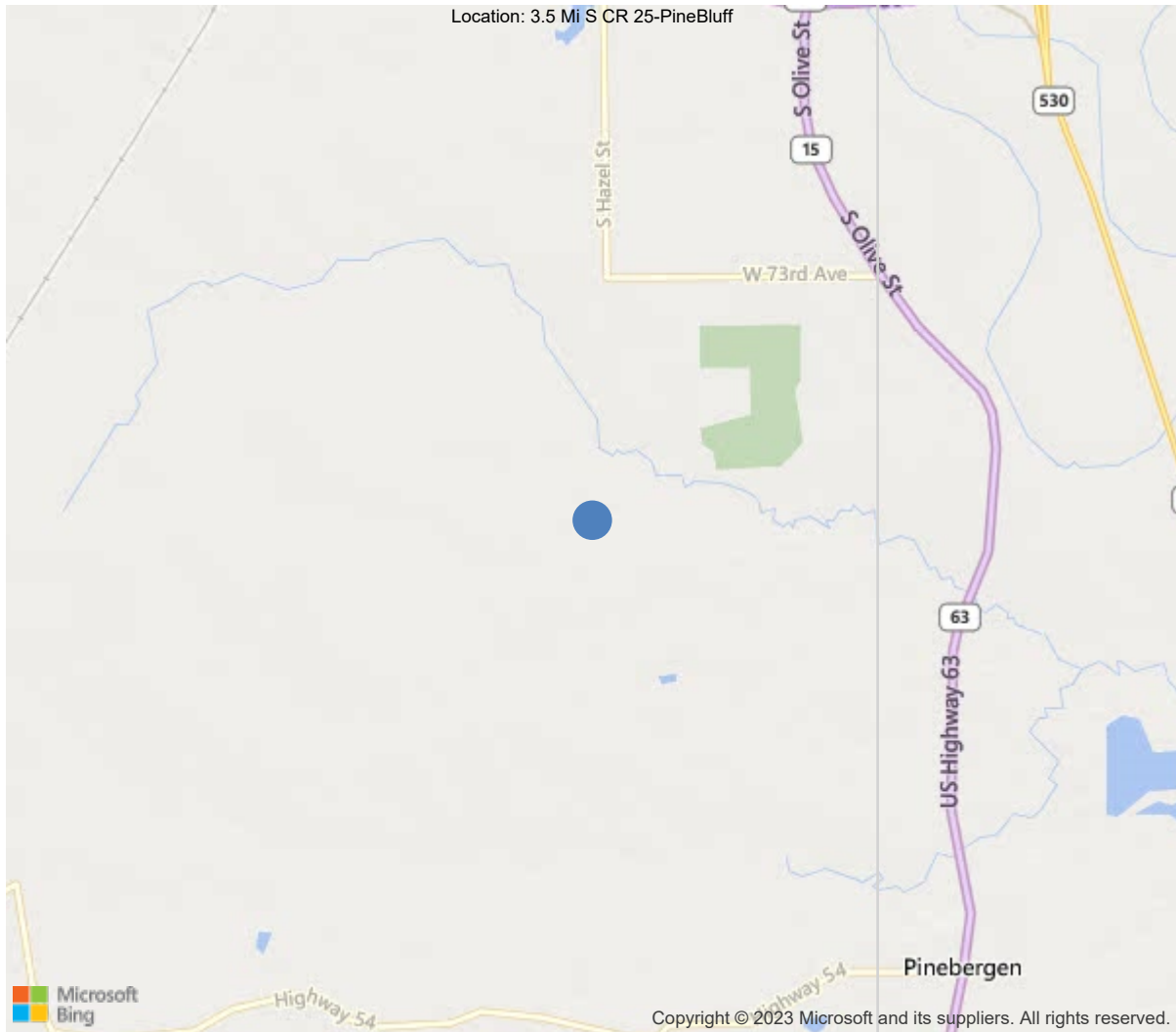
Latitude:34.13323, Longitude:-92.02508

Route:31 Section:00 Log:2.93

Arnold Road ID:35xMIDDLEWARRENRDx1xA, Arnold Log mile:2.629

District 02, 69 - Jefferson County

Owner: 2 - County Highway Agency



34.13323, -92.02508



Asset #21987(Routine)

MiddleWarrenRd-CR over Creek

Location: 3.5 Mi S CR 25-PineBluff

Team Lead: Sharon Hooks, Inspection Date: 11/10/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	21987
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	69 - Jefferson County
(4) Place Code	0
(6) Features Intersected	Creek
(7) Facility Carried	MiddleWarrenRd-CR
(9) Location	3.5 Mi S CR 25-PineBluff
(11) Mile Point	2.93 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.1332277451624
(17) Longitude	-92.0250764429569
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(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	2 - Concrete Precast Panels
(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	1998
(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	26
(30) Year of ADT	1998
(109) Truck ADT	1 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	27 ft
(49) Structure Length	34 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	28.7 ft
(52) Deck Width Out to Out	30.8 ft
(32) Approach Roadway Width (W/Shoulders)	28.9 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	29.5 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	5 - None present but re-evalua
(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 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	6
(61) Channel & Channel Protection	6
(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	50
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	30
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	7
(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	U - Bridge with "unknown" foundatio
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	33
(115) Year of Future ADT	2018

INSPECTIONS *			
(90) Inspection Date	11/10/2021		
(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 #21987(Routine)

District: 02, County: 69 - Jefferson County

Team Lead: Sharon Hooks, Inspection Date: 11/10/2021

A-46 - Asset Files

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General Observation (False)

Bridge is logged from north to south.

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	860	860	0	0	0
<p>(16) Deck: 28'-8" wide (separate curb unit NOT included) x 30' long = 860 sqft.</p> <p>Joints are completely grouted and grout is in very good condition.</p> <p>Gutterlines - both sides: Some build-up of debris - mostly pine-straw, blocking drains and restricting stormwater from flowing off bridge.</p>							

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	240	232	8	0	0
1080	Delamination/Spall/Patched Area	LF	8	0	8	0	0
<p>(110) Girders: 8 precast units per span / Span 1 (30' total span). Units are bolted transversely - no noted missing or loose bolts except Span 1 Unit 7: Nut missing off bolt between Units 6 & 7 at 1/3 span. A couple of minor chips and nicks. A few hairline-sized flexure cracks, concentrated near mid-span.</p>							

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	62	12	30	20	0
6000	Scour	LF	50	0	30	20	0
(215) Abutments: 31' each / Bents 1 & 2.							
<p>Scour: Bents 1 & 2: Some erosion, mainly concentrated near centerline – active scour at Bent 1 with undermining of abutment. Slopes have become vertical and are encroaching on caps.</p> <p>Hole eroded under Bent 1 abutment cap near centerline extends approximately 8" deep towards approach roadway - if left unattended could undermine pavement and fill material and prove a hazard to traffic.</p>							



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Location: 3.5 Mi S CR 25-PineBluff

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Span 1 girders 4 & 5 grout missing in keyways.



Under view.



Approach.



Deck over view.

Maintenance Needs

Date Reported: 11/03/2015

Priority: B - Pressing

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Endslopes – Bents 1 & 2: Some erosion, mainly concentrated near centerline – active scour at Bent 1 with undermining of abutment.

Slopes have become vertical and are encroaching on caps.

Hole eroded under Bent 1 abutment cap near centerline extends approximately 8' deep towards approach roadway - could possible be undermining pavement and fill material and prove a hazard to traffic.

Remarks



Bent 2 erosion.



Bent 1 left erosion .



Endslope - Bent 1: Erosion/scouring



Abutment 1 scour under cap at mid span



Endslope - Bent 1: Erosion (minimum 8' hole under abutment cap)



Date Reported: 11/05/2013
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 0 - N/A
Status: Monitor
Component:

Deficiency Description

Girders – Span 1 Unit 7: Nut missing off bolt between Units 6 & 7 at 1/3 span.

Remarks





Asset #21987(Routine)

MiddleWarrenRd-CR over Creek

Location: 3.5 Mi S CR 25-PineBluff

Team Lead: Sharon Hooks, Inspection Date: 11/10/2021

Routine Maintenance

Check Box Maintenance Items

Data Field	Value
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 - Hydo and LMC Advised	



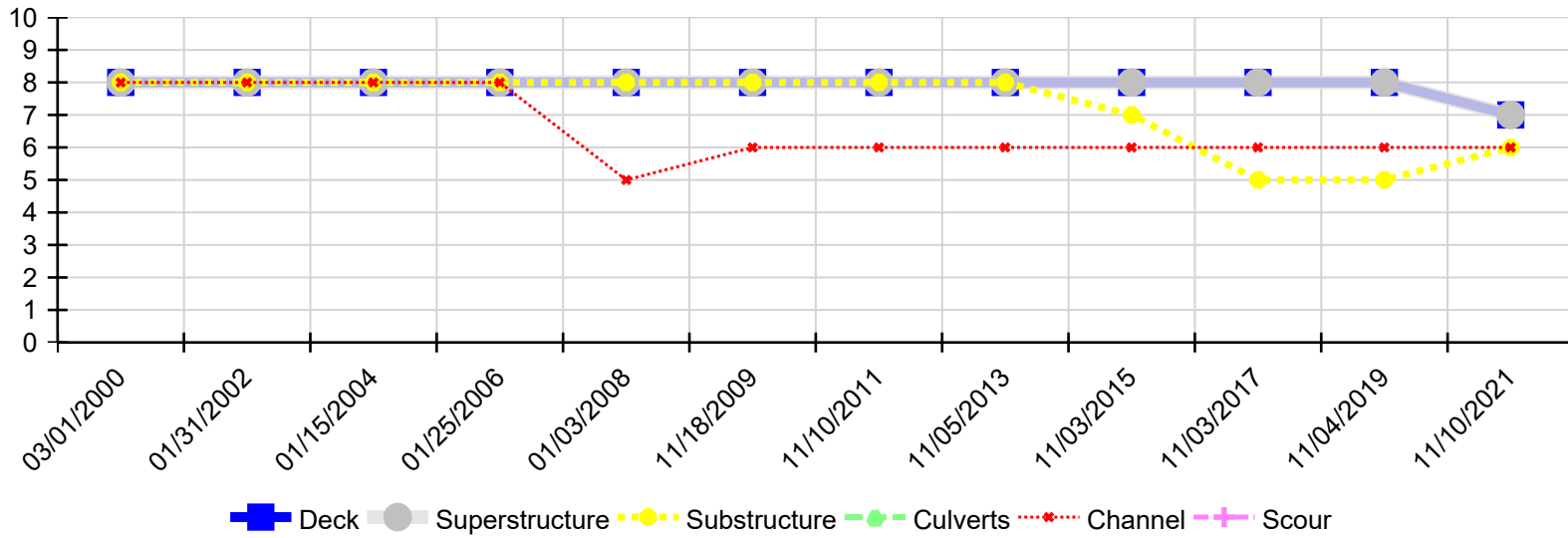
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Team Lead: Sharon Hooks, Inspection Date: 11/10/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/10/2021	7	7	6	N	6	N
11/04/2019	8	8	5	N	6	N
11/03/2017	8	8	5	N	6	N
11/03/2015	8	8	7	N	6	N
11/05/2013	8	8	8	N	6	N
11/10/2011	8	8	8	N	6	N
11/18/2009	8	8	8	N	6	N
01/03/2008	8	8	8	N	5	N
01/25/2006	8	8	8	N	8	N
01/15/2004	8	8	8	N	8	N
01/31/2002	8	8	8	N	8	N
03/01/2000	8	8	8	N	8	N