



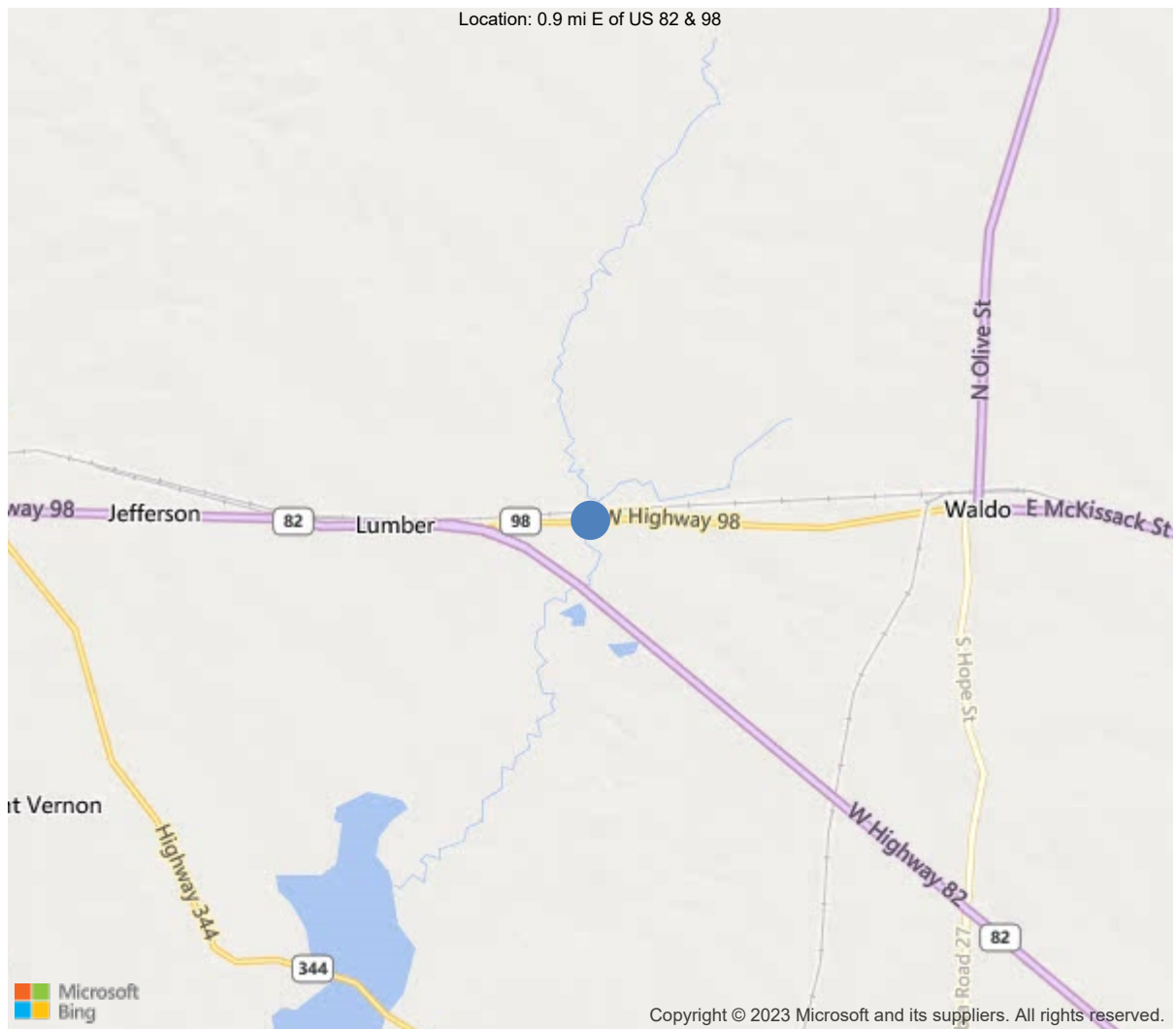
Latitude:33.35049, Longitude:-93.33013

Route:98 Section:01 Log:0.52

Arnold Road ID:14x98x1xA, Arnold Log mile:0.528

District 07, 27 - Columbia County

Owner: 1 - State Highway Agency



33.35049, -93.33013



Asset #06863(Routine, Underwater type 2)

SH 98 S:1 LM 0.52 over Beech Creek

Location: 0.9 mi E of US 82 & 98

Team Lead: Rickie Bratton, Inspection Date: 04/13/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06863
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	27 - Columbia County
(4) Place Code	0
(6) Features Intersected	Beech Creek
(7) Facility Carried	SH 98 S:1 LM 0.52
(9) Location	0.9 mi E of US 82 & 98
(11) Mile Point	0.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000098010
(16) Latitude	33.350494
(17) Longitude	-93.330132
(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	4
(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	2003
(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	1200
(30) Year of ADT	2018
(109) Truck ADT	13 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	38 ft
(49) Structure Length	142.2 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	43.5 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40.7 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	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(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	8
(68) Deck Geometry	7
(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	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	
(114) Future ADT	1321
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/13/2021		
(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.			



Asset #06863(Routine, Underwater type 2)

District: 07, County: 27 - Columbia County

Team Lead: Rickie Bratton, Inspection Date: 04/13/2021

General Observation (False)

04/29/2019 JPR -- This structure is logged from West to East.

58 - Deck (7)

Deck has numerous longitudinal and transverse cracks all spans. Some areas of the deck adjacent to the joints have cracking.

60 - Substructure (8)

4-24-2017 UW wade and probe, able to see bents 2-3 pile lines @ jct. with channel and there is a very shallow scoured area along bent 4.

A-46 - Asset Files

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Asset #06863(Routine, Underwater type 2)

SH 98 S:1 LM 0.52 over Beech Creek

Location: 0.9 mi E of US 82 & 98

Team Lead: Rickie Bratton, **Inspection Date:** 04/13/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6186	5167	1019	0	0
1120	Efflorescence/Rust Staining	SF	21	0	21	0	0
1130	Cracking (RC and Other)	SF	998	0	998	0	0
(12) (2015 notes) Minor longitudinal & transverse cracks all spans. The longitudinal cracks are about 2' inside the white lines of both lanes. (2017 notes) Deck has numerous longitudinal and transverse cracks all spans. Some areas of the deck adjacent to the joints have cracking.							
107	Steel Open Girder/Beam	LF	700	700	0	0	0
515	Steel Protective Coating	SF	33833	33833	0	0	0
227	Reinforced Concrete Pile	EA	15	15	0	0	0
234	Reinforced Concrete Pier Cap	LF	210	210	0	0	0
302	Compression Joint Seal	LF	84	74	10	0	0
2360	Adjacent Deck or Header	LF	10	0	10	0	0
(302) Some deck cracking along the joint @ bent 2.							
310	Elastomeric Bearing	EA	25	25	0	0	0
331	Reinforced Concrete Bridge Railing	LF	284	284	0	0	0



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Comment: Deck has numerous longitudinal and transverse cracks all spans. Some areas of the deck adjacent to the joints have cracking.



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
227	Reinforced Concrete Pile	EA	15	15	0	0	0
234	Reinforced Concrete Pier Cap	LF	210	210	0	0	0

60 - Substructure (8)

Comment: 4-24-2017 UW wade and probe, able to see bents 2-3 pile lines @ jct. with channel and there is a very shallow scoured area along bent 4.



Elevation



Soffit efflorescences



Soffit span 3



Deck overview



Transverse and longitudinal deck cracks 0.040 max



Approach roadway



Profile



Span 4, deck soffit looking back towards bent 4.



Roadway



Joint material abutment 1



Span 1 looking ahead @ vegetation growing up beside & back under the bridge, this is typical of both sides of the bridge.



Deck



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Location: 0.9 mi E of US 82 & 98

Team Lead: Rickie Bratton, **Inspection Date:** 04/13/2021

Maintenance Needs

Date Reported: 04/07/2011

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Deck all spans.

Numerous sealable longitudinal and transverse cracks.

Remarks

Date Reported: 04/29/2019
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Span 1 looking ahead @ vegetation growing up beside & back under the bridge, this is typical of both sides of the bridge.

Remarks



Span 1 looking ahead @ vegetation growing up beside & back under the bridge, this is typical of both sides of the bridge.



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Team Lead: Rickie Bratton, **Inspection Date:** 04/13/2021

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	



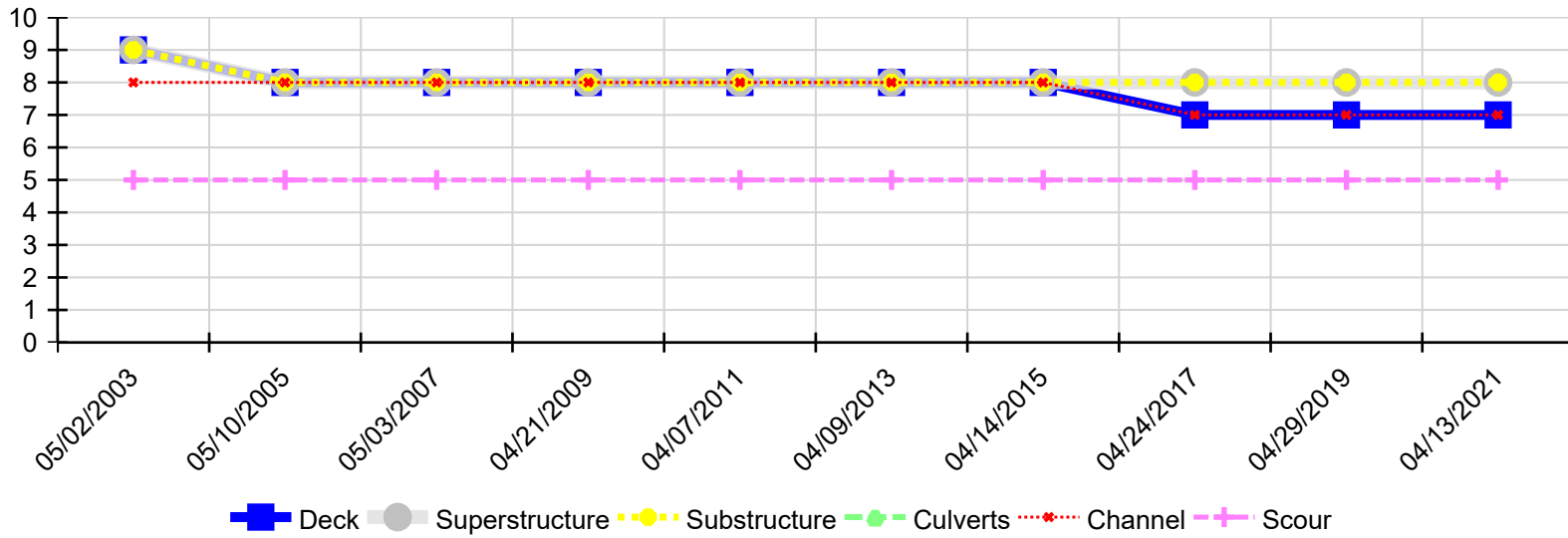
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Team Lead: Rickie Bratton, Inspection Date: 04/13/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/13/2021	7	8	8	N	7	5
04/29/2019	7	8	8	N	7	5
04/24/2017	7	8	8	N	7	5
04/14/2015	8	8	8	N	8	5
04/09/2013	8	8	8	N	8	5
04/07/2011	8	8	8	N	8	5
04/21/2009	8	8	8	N	8	5
05/03/2007	8	8	8	N	8	5
05/10/2005	8	8	8	N	8	5
05/02/2003	9	9	9	N	8	5