



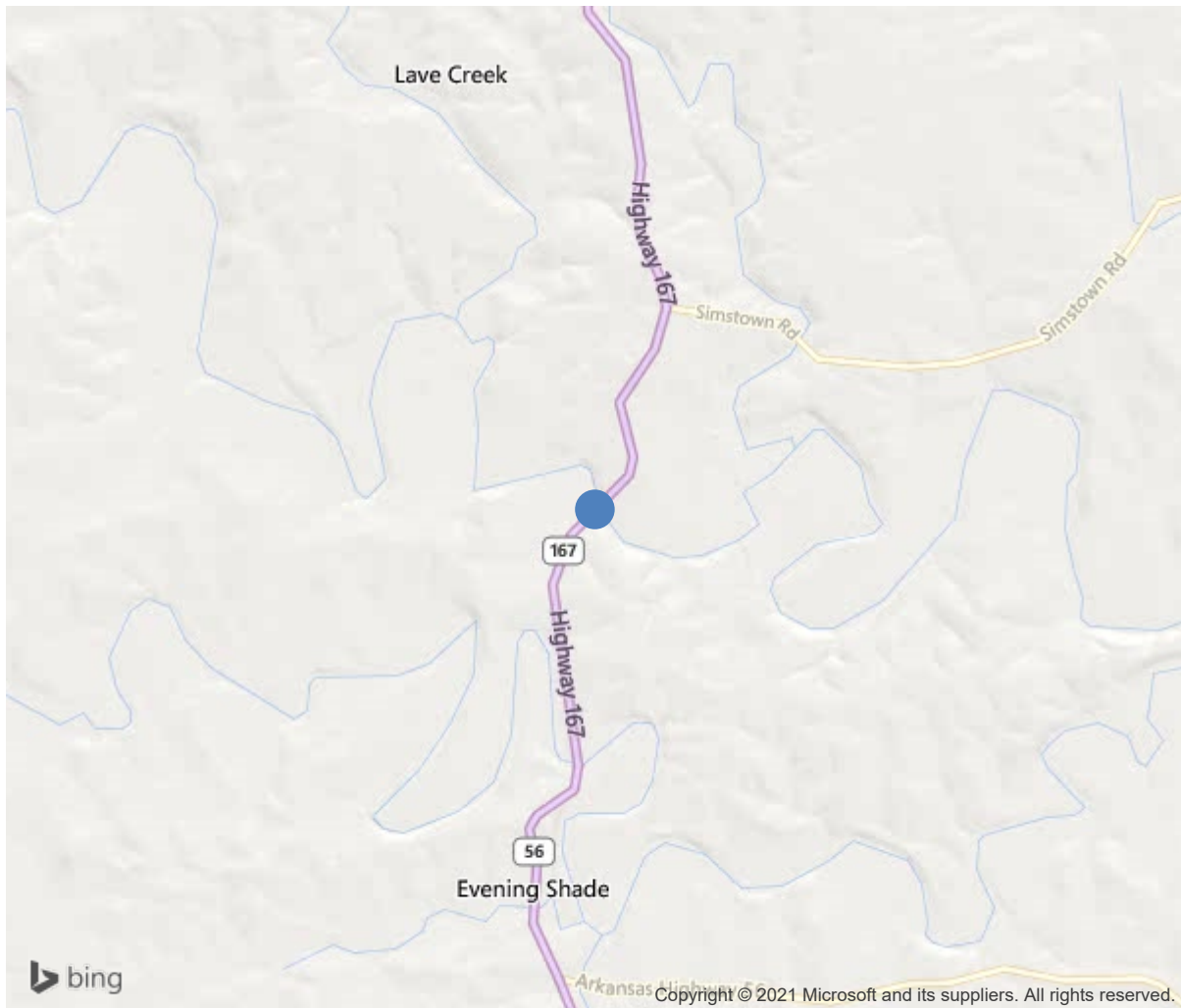
Bridge #00799(Routine)

US 167 Sharp Co. over Strawberry River

Location: 2.6 MI NO JCT SH 56

Team Lead: Nathan Edwards **Inspection Date:** September 10, 2021

2.6 MI NO JCT SH 56



36.09862, -91.60923



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Team Lead: Nathan Edwards Inspection Date: September 10, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	00799
(5) Inventory Route	167
(2) Highway Agency District	05
(3) County Code	135-Sharp County, Arkansas
(4) Place Code	0
(6) Features Intersected	Strawberry River
(7) Facility Carried	US 167 Sharp Co.
(9) Location	2.6 MI NO JCT SH 56
(11) Mile Point	12.647 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000167190
(16) Latitude	36.09862
(17) Longitude	-91.60923
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	111
Material	1-Concrete
Type	11-Arch - Deck
(44) Approach Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	2
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1928
(106) Year Reconstructed	1955
(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	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	15 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	105 ft
(49) Structure Length	349 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	29.5 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	28.9 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 water
(111) Pier Protection	1-Navigation protection not requ
(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			1
(26) Functional Class	2-Rural Principal Arterial - Oth		
(100) Defense Highway	0-The inventory route is not a S		
(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 part of the		
(20) Toll	3-On free road. The structure is toll-		
(21) Maintain	1-State Highway Agency		
(22) Owner	1-State Highway Agency		
(37) Historical Significance	1-Bridge is on the National Register		
CONDITION			
(58) Deck			5
(59) Superstructure			6
(60) Substructure			7
(61) Channel & Channel Protection			7
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load	4-M 18 / H 20		
(63) Operating Rating Method			1
(64) Operating Rating			
Type	1-Load Factor(LF)		
Rating	42		
(65) Inventory Rating Method	1-Load Factor(LF)		
(66) Inventory Rating			
Type	3		
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			6
(68) Deck Geometry			3
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			7
(36) Traffic Safety Features			0101
A) Bridge Railings	0-Inspected feature does not meet cur		
B) Transitions	1-Inspected feature meets currently a		
C) Approach Guardrail	0-Inspected feature does not meet cur		
D) Approach Guardrail Ends	1-Inspected feature meets currently a		
(113) Scour Critical Bridges	8-Bridge foundations determined to be		
PROPOSED IMPROVEMENTS			
(75) Type of Work	Replacement of bridge or other		
(76) Length of Structure Improvement	386 ft		
(94) Bridge Improvement Cost	\$ 0		
(95) Roadway Improvement Cost	\$ 235		
(96) Total Project Cost	\$ 1089		
(97) Year of Improvement Cost Estimate	2003		
(114) Future ADT	3711		
(115) Year of Future ADT	2028		
INSPECTIONS			
(90) Inspection Date			
(91) Frequency		24 Months	
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No	24	
B: Underwater Inspection	No	0	
C: Other Special Inspection	No	0	

Team Lead: Nathan Edwards, **Inspection Date:** September 10, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	10296	8648	410	894	344
1080	Delamination/Spall/Patched Area	SF	80	0	40	40	0
1090	Exposed Rebar	SF	3	0	0	3	0
1120	Efflorescence/Rust Staining	SF	136	0	70	36	30
510	Wearing Surfaces	SF	9074	9074	0	0	0

(16)

Heavy efflorescent map cracking to Left Overhang @ all Spans.
Curbs are deteriorated and have deep spalls and several patches through out.
Transverse efflorescent cracks, some w/t rust stains, to Deck below at all Spans.
See Attached Form III for detailed location and description of deficiencies.

Team Lead: Nathan Edwards, **Inspection Date:** September 10, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
110 (110)	Reinforced Concrete Open Girder/Beam	LF	582	460	0	122	0
See Attached Form III for detailed location and description of deficiencies.							
144	Reinforced Concrete Arch	LF	840	827	0	13	0
1120 (144)	Efflorescence/Rust Staining	LF	13	0	0	13	0
Some areas of efflorescent cracking to Arch Rib. See Attached Form III for detailed location and description of deficiencies.							
205	Reinforced Concrete Column	EA	16	4	5	7	0
1120 (205)	Efflorescence/Rust Staining	EA	3	0	3	0	0
Cracks to all columns with some efflorescence. See Attached Form III for detailed location and description of deficiencies.							
215	Reinforced Concrete Abutment	LF	118	118	0	0	0
234	Reinforced Concrete Pier Cap	LF	118	118	0	0	0
330	Metal Bridge Railing	LF	698	0	698	0	0
1000	Corrosion	LF	108	0	108	0	0
515	Steel Protective Coating	SF	2094	0	0	2094	0
3440 (330)	Effectiveness (Steel Protective Coatings)	SF	324	0	0	324	0
Rust present on all Rails. Paint system is failing.							



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Location: 2.6 MI NO JCT SH 56

Team Lead: Nathan Edwards Inspection Date: September 10, 2021

Maintenance Needs

Date Reported: 09/10/2019
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Potholes forming to joints @ Bents 1 & 2.

Remarks



Potholes forming to joints @ Bents 1 & 2.

Team Lead: Nathan Edwards **Inspection Date:** September 10, 2021

Date Reported: 09/23/2015

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Spalling & deterioration to left & right curbs @ all spans.

Remarks



Typical spalling & deterioration to Left & Right
Curbs @ all Spans.

Date Reported: 09/23/2013
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component:

Deficiency Description

Heavy efflorescence map cracking to Girder 1 & minor to moderate sized cracks to Girders 1 thru 3 above all Spandrel Columns @ Spans 2, 3 & 4.

Remarks



Heavy efflorescence map cracking to Girder 1 & minor to moderate sized cracks to Girders 1 thru 3 above all Spandrel Columns @ Spans 2, 3 & 4.



Heavy efflorescence map cracking to Girder 1 & minor to moderate sized cracks to Girders 1 thru 3 above all Spandrel Columns @ Spans 2, 3 & 4.

Team Lead: Nathan Edwards **Inspection Date:** September 10, 2021

Date Reported: 09/22/2011

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Left Overhang - Bent 1 has heavy deterioration and spalling with exposed rebar.
Beginning of Span 3 has deep spalls with rebar exposed behind patched area.
Span 3 midspan has spall with 3' of exposed rebar.
Span 4 has 10' of deterioration and spalling.

Remarks



Typical condition of Left Overhang @ all Spans.



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Inspection Comments

Log Mile looking Northeast Job 5441 Elements are separated into to segments. Span 1 & 5 (Approach Spans) are in one. Span 2, 3 & 4 (Arch Spans) are in the other. See Attached Form III for detailed location and description of deficiencies.