



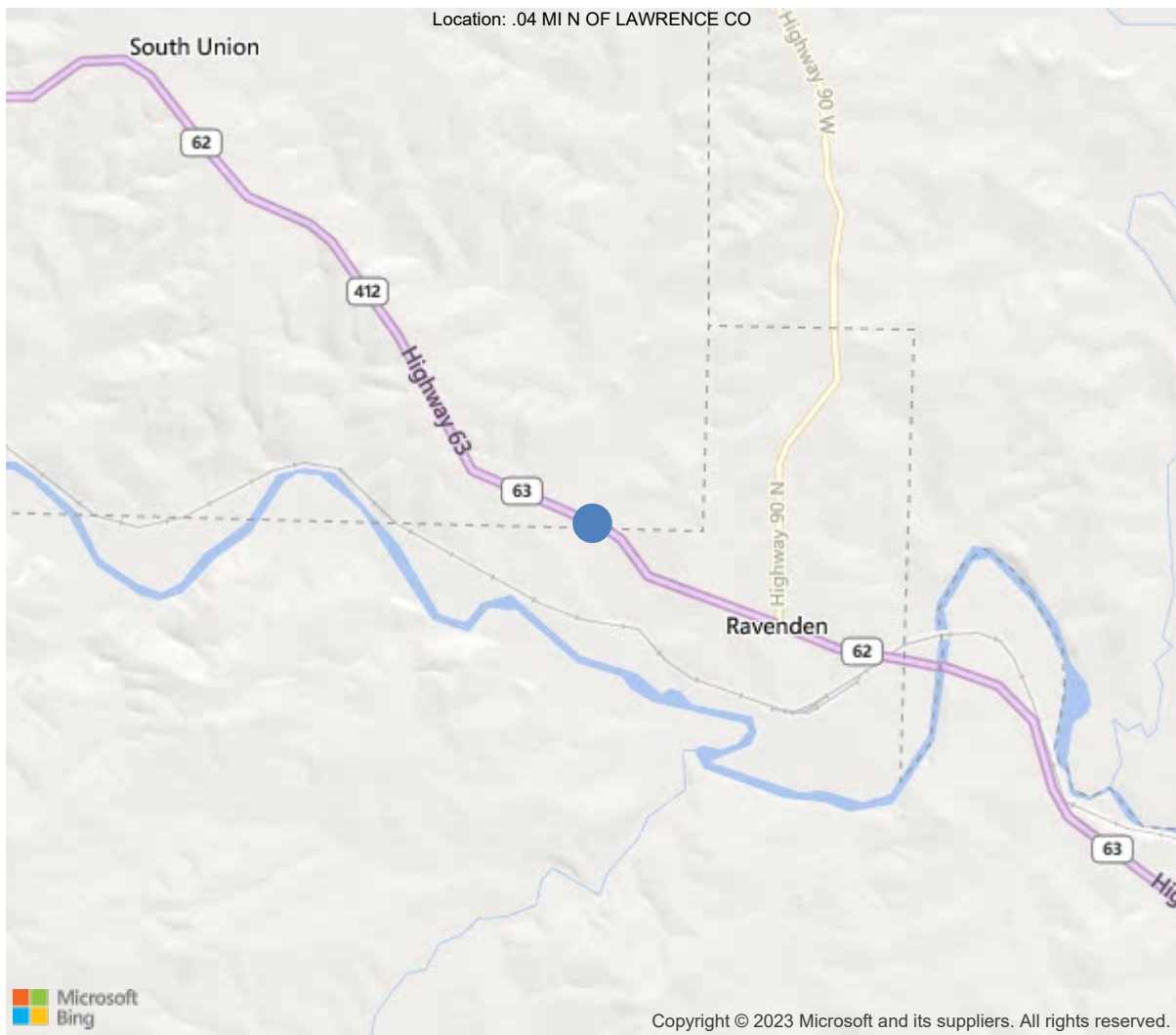
Latitude:36.24386, Longitude:-91.26893

Route:63 Section:02 Log:16.72

Arnold Road ID:67x63x2xA, Arnold Log mile:16.689

District 05, 135 - Sharp County

Owner: 1 - State Highway Agency



36.24386, -91.26893



Asset #02554(Routine)

US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

Team Lead: Kerry Little, Inspection Date: 04/06/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02554
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	135 - Sharp County
(4) Place Code	0
(6) Features Intersected	BROWNS CREEK
(7) Facility Carried	US 63/Sharp County
(9) Location	.04 MI N OF LAWRENCE CO
(11) Mile Point	16.72 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063020
(16) Latitude	36.24386
(17) Longitude	-91.26893
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1950
(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	6200
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	40 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	18 ft
(49) Structure Length	66 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	38.1 ft
(52) Deck Width Out to Out	40 ft
(32) Approach Roadway Width (W/Shoulders)	36.1 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	38.1 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	1
(26) Functional Class	2 - Rural Principal Arterial -
(100) Defense Highway	2 - The inventory route is on
(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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	6
(62) Culverts	6
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	41
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
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	5
(68) Deck Geometry	5
(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	8 - 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	7806
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/06/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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 #02554(Routine)

District: 05, County: 135 - Sharp County

Team Lead: Kerry Little, Inspection Date: 04/06/2023

General Observation

Elevation with Log Mile running to the Left.

A-46 - Asset Files

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A-51 - Inspection Direction (1 - N to S)

Roadway with Log Mile running Northwest to Southeast.



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US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

Team Lead: Kerry Little, Inspection Date: 04/06/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	160	3	28	129	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0
1090	Exposed Rebar	LF	3	0	2	1	0
1120	Efflorescence/Rust Staining	LF	114	0	14	100	0
1130	Cracking (RC and Other)	LF	32	0	12	20	0
6000	Scour	LF	3	0	0	3	0
(241) Full height vertical cracks @ Abutments 1 & 2 @ all walls. Spalled @ top corners with 6" rebar exposed @ Abutments 1 & 2. Heavy deterioration to Left & Right headwalls. Heavy efflorescent map cracking to soffit in all barrels. Spall with rebar exposed with s/l to soffit @ Left end of Barrel 1. Scour 6" to 18" below flowline @ outlet ends of Barrels 2, 3 & 4.(#3)							
330	Metal Bridge Railing	LF	320	320	0	0	0
515	Steel Protective Coating	SF	960	960	0	0	0



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US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Asset #02554(Routine)

US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

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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

US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

Team Lead: Kerry Little, Inspection Date: 04/06/2023

Culvert

[illegible]



Elevation with log mile going right.



Roadway with log mile looking southeast.



Efflor cracks to soffit @ barrel 2.



Upstream



Downstream

Maintenance Needs

Date Reported: 04/06/2017

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Spalls with some rebar exposed to Left & Right wings @ Abutments 1 & 2.

Remarks



Spalls with rebar exposed to Right wing @ Abutment 2.



Spalls with some rebar exposed to Left & Right wings @ Abutments 1 & 2.

Maintenance Needs

Date Reported: 04/06/2017

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Heavy scaling, spalls & chemical deterioration to Left & Right curbs @ Barrels 1 - 4.

Remarks



Heavy spalling to Right curb.



Heavy scaling, spalls & chemical deterioration to Left & Right curbs @ Barrels 1 - 4.
Rt curb.

Maintenance Needs

Date Reported: 04/06/2017

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Transverse efflorescent cracks to soffit @ all Barrels.

Remarks



Efflorescent cracking to soffit in Barrel 3.



Transverse efflorescent cracks to soffit @ all Barrels.
Barrel 4.



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US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

Team Lead: Kerry Little, Inspection Date: 04/06/2023

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	



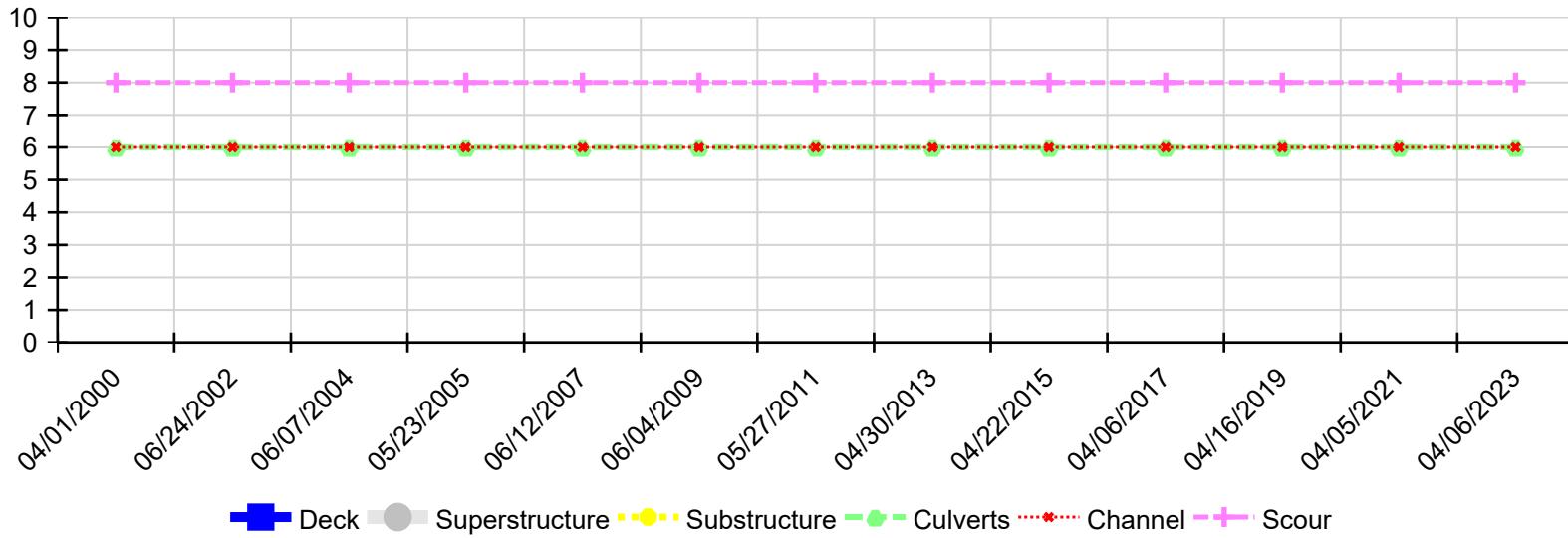
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US 63/Sharp County over BROWNS CREEK

Location: .04 MI N OF LAWRENCE CO

Team Lead: Kerry Little, Inspection Date: 04/06/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/06/2023	N	N	N	6	6	8
04/05/2021	N	N	N	6	6	8
04/16/2019	N	N	N	6	6	8
04/06/2017	N	N	N	6	6	8
04/22/2015	N	N	N	6	6	8
04/30/2013	N	N	N	6	6	8
05/27/2011	N	N	N	6	6	8
06/04/2009	N	N	N	6	6	8
06/12/2007	N	N	N	6	6	8
05/23/2005	N	N	N	6	6	8
06/07/2004	N	N	N	6	6	8
06/24/2002	N	N	N	6	6	8
04/01/2000	N	N	N	6	6	8