



Latitude:36.17862, Longitude:-91.16220

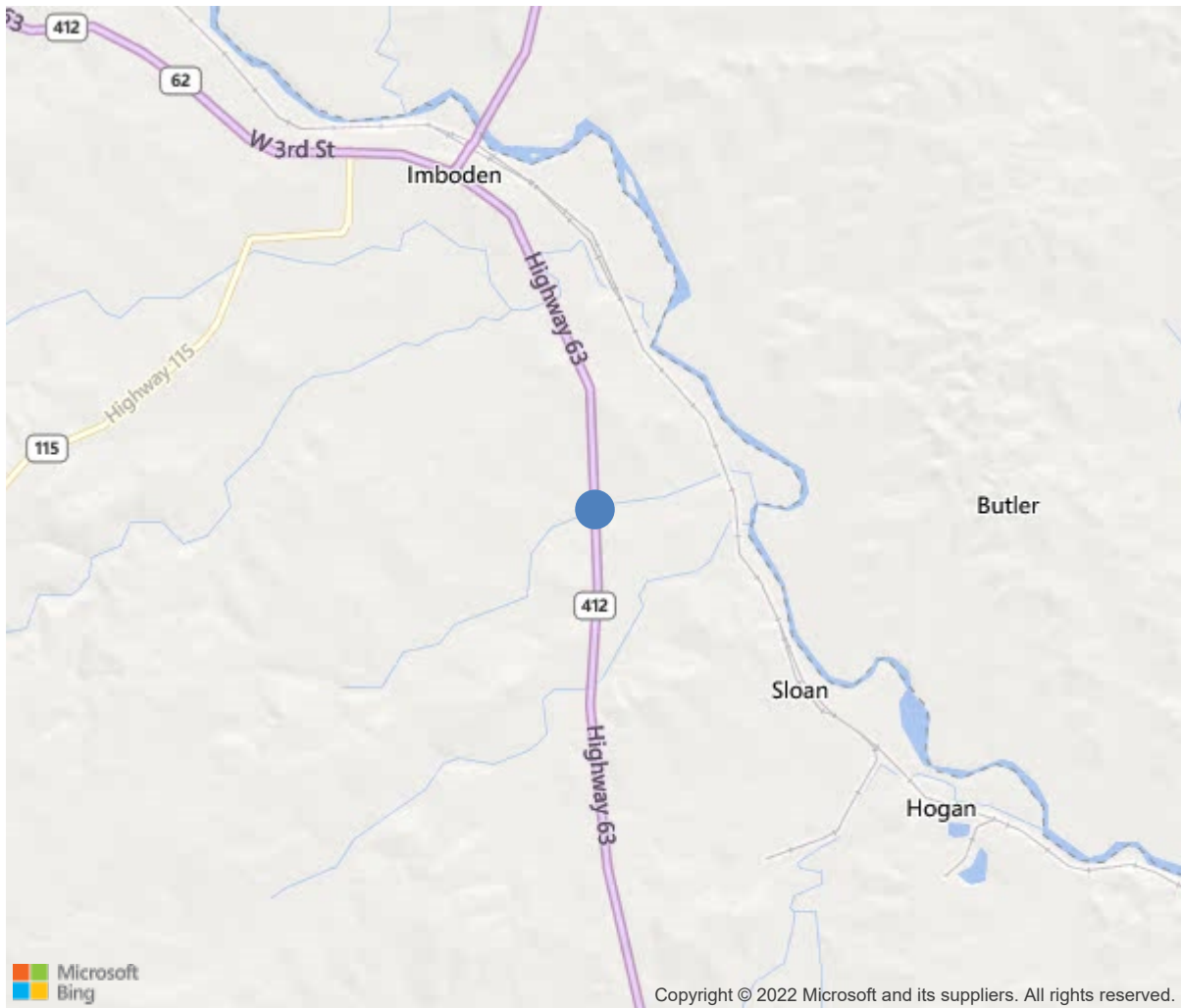
Route:63 Section:03 Log:8.26

Arnold Road ID:38x63x3xA, Arnold Log mile:8.202

District 10, Lawrence County

Owner: 1-State Highway Agency

8.23 MI SE SHARP CO LINE



36.17862, -91.16220

Inspection Direction : W to E



Bridge #A0651(Routine)

US 63-03- LM 8.26 over Lawson Creek

Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams Inspection Date: August 24, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A0651
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	Lawson Creek
(7) Facility Carried	US 63-03- LM 8.26
(9) Location	8.23 MI SE SHARP CO LINE
(11) Mile Point	8.26 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063030
(16) Latitude	36.17862
(17) Longitude	-91.1622
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee 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	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	1929
(106) Year Reconstructed	1954
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	5700
(30) Year of ADT	2014
(109) Truck ADT	26 %
(19) Bypass, Detour Length	9 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	29 ft
(49) Structure Length	31 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	32.5 ft
(52) Deck Width Out to Out	33.5 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	25.9 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	5-None present but re-evaluation
(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	2-The inventory route is on a No
(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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(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	41
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	1
Rating	24
(70) Bridge Posting	3-10.0 - 19.9 % below
(41) Structure Open/Posted/Closed	P-Posted for load (may include o
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(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	54 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 400
(96) Total Project Cost	\$ 697
(97) Year of Improvement Cost Estimate	2004
(114) Future ADT	7872
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/2021
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* 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.			



Bridge #A0651 (Routine)

US 63-03- LM 8.26 over Lawson Creek

Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams, Inspection Date: August 24, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1005	969	0	36	0
1120	Efflorescence/Rust Staining	SF	36	0	0	36	0
510	Wearing Surfaces	SF	975	753	152	70	0
3220	Crack (Wearing Surface)	SF	220	0	152	68	0
3210	Delam/Spall/Patched Area/Pothole	SF	2	0	0	2	0
110	Reinforced Concrete Open Girder/Beam	LF	150	143	7	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
215	Reinforced Concrete Abutment	LF	116	82	24	10	0
1120	Efflorescence/Rust Staining	LF	28	0	18	10	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
330	Metal Bridge Railing	LF	60	0	6	54	0
1000	Corrosion	LF	60	0	6	54	0
515	Steel Protective Coating	SF	204	20	0	184	0
3440	Effectiveness (Steel Protective Coatings)	SF	184	0	0	184	0



Roadway east



End posting



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Maintenance Needs

Date Reported: 11/08/2011
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Soffit has a few cracks with efflorescence.

Remarks



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Date Reported: 11/08/2011
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Concrete Abutments have horizontal and vertical cracks with some efflorescence.

Remarks



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Date Reported: 10/09/2014
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Drains openings in top of deck are blocked with asphalt overlay, non functional.

Remarks



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Date Reported: 09/25/2018
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Approach roadways have settlement in Lt lane at edge of roadway at bents 1 and 2.

Remarks



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Date Reported: 08/26/2019
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Metal rails have 90% rust cover.

Remarks



Side



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Date Reported: 08/24/2020
Priority: D- Routine
Type of Work: Clean
Status: Open
Component: Channel

Deficiency Description

Trees & brush under & around bridge restricting flow.

Remarks



Bridge #A0651 (Routine)
US 63-03- LM 8.26 over Lawson Creek
Location: 8.23 MI SE SHARP CO LINE

Team Lead: James Adams **Inspection Date:** August 24, 2020

Deck Notes

Metal rails have 90% surface rust cover.

Deck drain openings are blocked with asphalt overlay.

Approach roadways have settlement in left lane at edge of roadway at bents 1 and 2.

Bent 1 approach roadway has been patched with asphalt.

Asphalt wearing surface has moderate width cracking.

Soffit portion of deck has a few cracks with efflorescence.

Superstructure Notes

Concrete tee beams have a few minor vertical cracks & exposed rebar.

Substructure Notes

Concrete abutments have horizontal and vertical cracks with some efflorescence.

Abutments 1 and 2 concrete footings are exposed. Drawing # 8310 shows footings are keyed into solid rock.

Channel has trees & heavy vegetation somewhat restricting flow.