



Latitude:36.13811, Longitude:-91.15814

Route:63 Section:03 Log:11.09

Arnold Road ID:38x63x3xA, Arnold Log mile:11.024

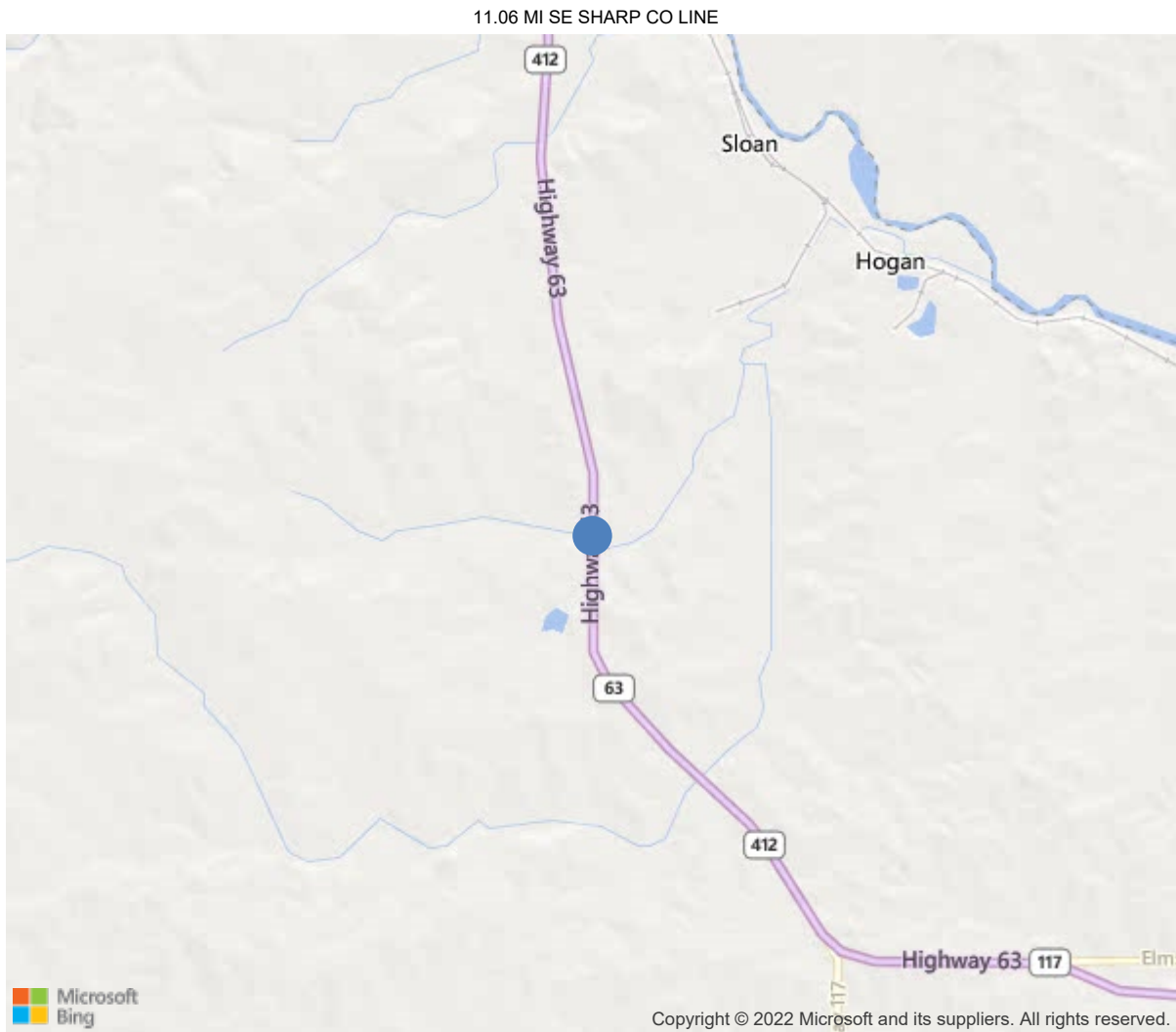
District 10, Lawrence County

Owner: 1-State Highway Agency



**Bridge #A0653**(Routine)  
**US 63-03- LM 11.06 over BRUSHY CREEK**  
**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead:** Tim Myrick **Inspection Date:** August 11, 2021



36.13811, -91.15814

Inspection Direction : N to S



**Bridge #A0653(Routine)**  
**US 63-03- LM 11.06 over BRUSHY CREEK**  
**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead: Tim Myrick Inspection Date: August 11, 2021**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A0653
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	BRUSHY CREEK
(7) Facility Carried	US 63-03- LM 11.06
(9) Location	11.06 MI SE SHARP CO LINE
(11) Mile Point	11.09 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063030
(16) Latitude	36.13811
(17) Longitude	-91.15814
(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	6100
(30) Year of ADT	2018
(109) Truck ADT	26 %
(19) Bypass, Detour Length	9 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	34 ft
(49) Structure Length	36 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)	29.9 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	40
(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	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	Replacement of bridge or other
(76) Length of Structure Improvement	59 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 400
(96) Total Project Cost	\$ 715
(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			12 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.			



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**Team Lead:** Tim Myrick, **Inspection Date:** August 11, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1173	1070	100	3	0
1080	Delamination/Spall/Patched Area	SF	6	0	6	0	0
1090	Exposed Rebar	SF	3	0	0	3	0
1120	Efflorescence/Rust Staining	SF	64	0	64	0	0
1130	Cracking (RC and Other)	SF	30	0	30	0	0
510	Wearing Surfaces	SF	1138	812	195	131	0
3220	Crack (Wearing Surface)	SF	325	0	195	130	0
3210	Delam/Spall/Patched Area/Pothole	SF	1	0	0	1	0
110	Reinforced Concrete Open Girder/Beam	LF	175	169	6	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
215	Reinforced Concrete Abutment	LF	118	111	7	0	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
330	Metal Bridge Railing	LF	70	0	12	58	0
1000	Corrosion	LF	58	0	0	58	0
7000	Damage	LF	12	0	12	0	0
515	Steel Protective Coating	SF	238	23	0	0	215
3440	Effectiveness (Steel Protective Coatings)	SF	215	0	0	0	215













Beginning offroad



Ending end





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**US 63-03- LM 11.06 over BRUSHY CREEK**  
**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead:** Tim Myrick **Inspection Date:** August 11, 2021

## Maintenance Needs

**Date Reported:** 11/28/2011  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Clean  
**Status:** Monitor  
**Component:** Deck

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## Deficiency Description

Deck drain opening on the Rt side is blocked with asphalt.

## Remarks

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**US 63-03- LM 11.06 over BRUSHY CREEK**  
**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead:** Tim Myrick **Inspection Date:** August 11, 2021

**Date Reported:** 11/28/2011  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** 510 - 16 - Reinforced Concrete Top Flange

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#### **Deficiency Description**

Asphalt wearing surface has several longitudinal and transverse cracks , some open,with some rutting & map cracking in outside wheel path.

#### **Remarks**

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**Date Reported:** 11/19/2013  
**Priority:** C - Important



**Type of Work:** Repair  
**Status:** Monitor  
**Component:** 330 - Metal Bridge Railing

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**Deficiency Description**

Rt bridge rail corner posts and overhangs are spalled with rebar exposed.

**Remarks**

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Span 1 right side at bent 1 guard rail & post  
2019



Span 1 right side bent 2 rail & soffit 2019





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**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead:** Tim Myrick **Inspection Date:** August 11, 2021

**Date Reported:** 08/26/2019  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Clean  
**Status:** Monitor  
**Component:** 515 - 330 - Metal Bridge Railing

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**Deficiency Description**

Metal guard rails are rust covered.

**Remarks**

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**Location: 11.06 MI SE SHARP CO LINE**

**Team Lead:** Tim Myrick **Inspection Date:** August 11, 2021

**Date Reported:** 08/24/2020  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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#### **Deficiency Description**

Wheel path in northbound lane has map cracking.  
Asphalt overlay has a 1' spall near bent 2.

#### **Remarks**

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Deck located near Bent 2





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#### **Deck Notes**

Bridge rails have 90% rust cover. 12' of rail has minor collision damage.  
Right bridge rail corner posts and overhangs are spalled with exposed rebar from collision damage.  
Deck drain opening on the right side is blocked with asphalt.  
Asphalt wearing surface has several longitudinal and transverse cracks, some open with some rutting in outside wheel paths in both lanes.  
Wheel path in northbound lane has map cracking.  
Asphalt overlay has a 1 ft. spall near bent 2.  
Soffit has a few transverse cracks with light efflorescence, and a few small delaminated areas.

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#### **Superstructure Notes**

Concrete girders have a few minor flexure cracks.  
Span 1 girder 2 has 1 small delamination.

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#### **Substructure Notes**

Abutments have a few minor cracks with some efflorescence.  
Trees & brush in channel.  
Drawing 08311 states that footing was keyed into solid rock.