



Latitude:36.03678, Longitude:-90.98544

Route:63 Section:03 Log:24.33

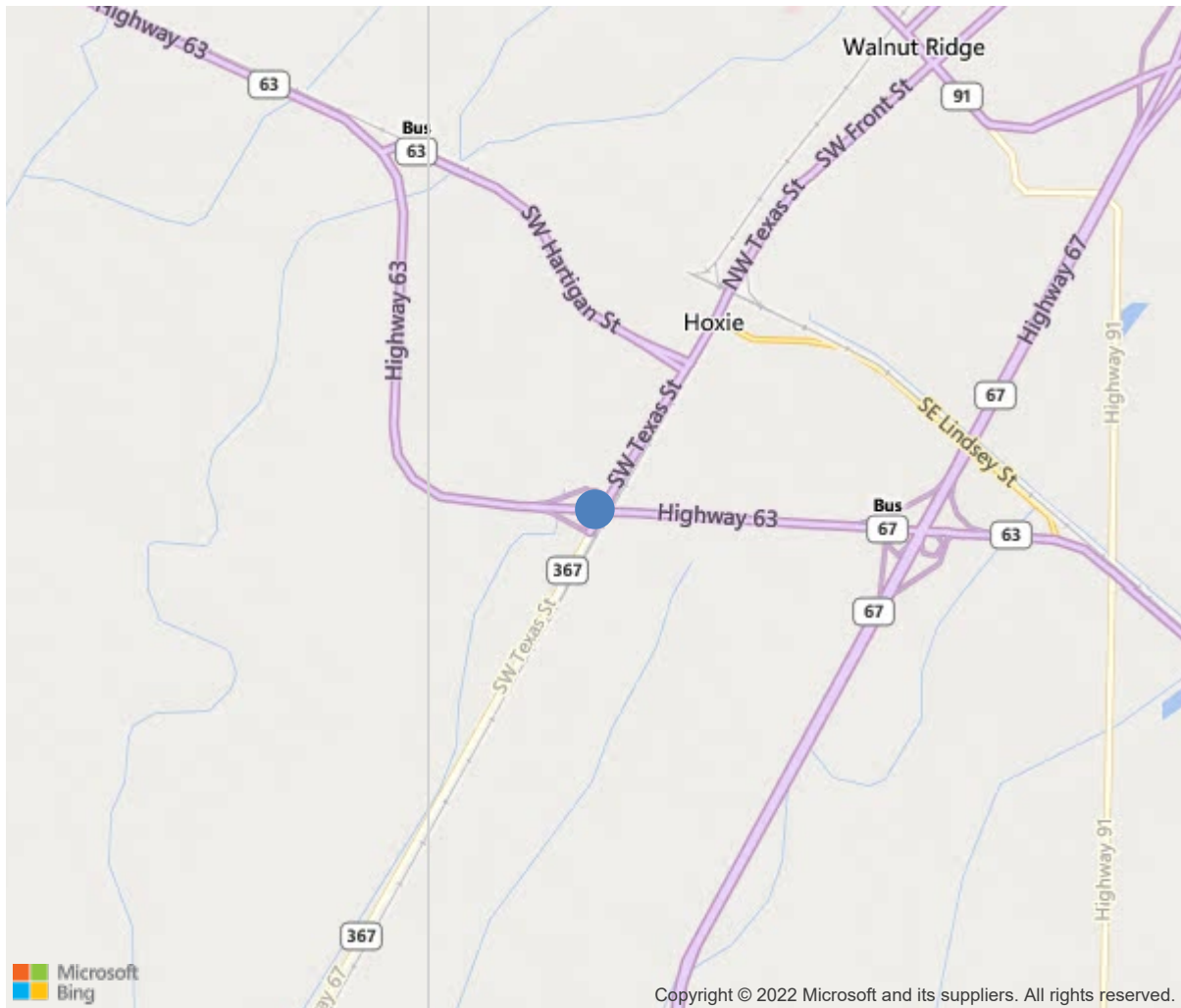
Arnold Road ID:38x63x3xA, Arnold Log mile:24.345

District 10, Lawrence County

Owner: 1-State Highway Agency

Place Code: 33580 - Hoxie

2.5 MI S JCT 412&367



36.03678, -90.98544

Inspection Direction : W to E



**Bridge #06540(Routine)**  
**US 63-03- LM 24.33 over SH 367, Front St**  
**Location: 2.5 MI S JCT 412&367**

**Team Lead: Tim Myrick Inspection Date: July 14, 2021**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06540
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	33580
(6) Features Intersected	SH 367, Front St
(7) Facility Carried	US 63-03- LM 24.33
(9) Location	2.5 MI S JCT 412&367
(11) Mile Point	24.33 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000630300
(16) Latitude	36.03678
(17) Longitude	-90.98544
(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	11
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0-None (no additional concrete thickness o
Type of Membrane	0-None
Type of Deck Protection	9-Other
AGE AND SERVICE	
(27) Year Built	1995
(106) Year Reconstructed	0
(42) Type of Service	14
On	1-Highway
Under	4-Highway-railroad
(28) Lane	
On	4
Under	4
(29) Average Daily Traffic	9
(30) Year of ADT	2008
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	112 ft
(49) Structure Length	896 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	89.9 ft
(52) Deck Width Out to Out	92.8 ft
(32) Approach Roadway Width (W/Shoulders)	89.9 ft
(33) Bridge Median	0-No median
(34) Skew	26 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	65.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	22.08 ft
Ref:	
(55) Min Lat Underclear RT	23.5 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	14-Urban Other Principal Arterial
(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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	53
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	11
Rating	32
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	7
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	N-Bridge not over waterway.
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	7747
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			07/2021
(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 #06540 (Routine)**  
**US 63-03- LM 24.33 over SH 367, Front St**  
**Location: 2.5 MI S JCT 412&367**

**Team Lead:** Tim Myrick, **Inspection Date:** July 14, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	82805	64429	18376	0	0
1120	Efflorescence/Rust Staining	SF	398	0	398	0	0
1130	Cracking (RC and Other)	SF	10810	0	10810	0	0
1190	Abrasion/Wear (PSC/RC)	SF	7168	0	7168	0	0
107	Steel Open Girder/Beam	LF	8920	8920	0	0	0
515	Steel Protective Coating	SF	113324	113309	15	0	0
3420	Peeling/Bubbling/Cracking	SF	15	0	15	0	0
205	Reinforced Concrete Column	EA	60	60	0	0	0
215	Reinforced Concrete Abutment	LF	299	299	0	0	0
234	Reinforced Concrete Pier Cap	LF	1000	976	24	0	0
1130	Cracking (RC and Other)	LF	24	0	24	0	0
300	Strip Seal Expansion Joint	LF	500	0	500	0	0
2350	Debris Impaction	LF	500	0	500	0	0
310	Elastomeric Bearing	EA	150	139	11	0	0
2220	Alignment	EA	11	0	11	0	0
321	Reinforced Concrete Approach Slab	SF	7400	6643	0	757	0
1130	Cracking (RC and Other)	SF	757	0	0	757	0
331	Reinforced Concrete Bridge Railing	LF	1792	1754	35	3	0
1080	Delamination/Spall/Patched Area	LF	3	0	0	3	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	34	0	34	0	0





## Maintenance Needs

**Date Reported:** 04/13/2011  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Inspection Direction** W to E  
**Component:** 331 - Reinforced Concrete Bridge Railing

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### Deficiency Description

Span 2 Rt rail has a small spall with 1' of rebar exposed on outside of rail near end of span.  
Span 3 Rt rail has a small spall on top of rail near beginning of span.  
Concrete rail at bent 4 has a small delamination at joint.

### Remarks

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Delamination in rail at bent 4 2019



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**Location: 2.5 MI S JCT 412&367**

**Team Lead:** Tim Myrick **Inspection Date:** July 14, 2021

**Date Reported:** 04/13/2011  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Inspection Direction** W to E  
**Component:** Superstructure

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**Deficiency Description**

Steel Girders minor rust forming at splice plates and at connection to diaphragms.  
A few bearings have some peeling paint.

**Remarks**

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**Date Reported:** 06/10/2019  
**Priority:** D- Routine  
**Type of Work:** Clean  
**Status:** Monitor

**Inspection Direction** W to E

**Component:** 300 - Strip Seal Expansion Joint

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**Deficiency Description**

Expansion joints are partially filled with dirt.

**Remarks**

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Bent 1 joint 2019&#10;



Bent 1 joint 2019



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**Team Lead:** Tim Myrick **Inspection Date:** July 14, 2021



Bent 6 joint 2019



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### Deck Notes

Inspected with snoopers 2021.  
Approach slabs have several open cracks.  
Right approach rail has a few damaged spacer blocks.  
Right approach rail on bent 1 end has approx. 15' of collision damage.  
Deck has longitudinal unsealed cracks, areas of abrasion and some traffic wear, especially in wheel paths.  
Strip seal joints have dirt & debris buildup in joints.  
Span 2 right rail has a small spall with 1' of exposed rebar on outside of rail near end of span.  
Span 3 right rail has a small spall on top of rail near beginning of span.  
Concrete rail at bent 4 has a small delamination at joint.  
Left and right overhangs have some transverse cracks with efflorescence.  
SIP forms have a few areas with rust stains near field splices. (Especially Span 10.)

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### Superstructure Notes

Elastomeric bearings at bents 6, and 9 & span 3 bearings 1-10 at bent 4 have some horizontal movement.  
A few field splices have areas of paint fading with very minor surface rust.  
Span 10 Girder 10 at splice 2 has a old damage area to bottom flange.  
Span 7 girder 9 splice 1 has a washer on bolt makes it appear to be loose.

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### Substructure Notes

Concrete caps have a few minor vertical and horizontal cracks.  
Bent 3 cap has 16'  
Bent 4 cap has 4'  
Bent 5 cap has 1'  
Bent 9 cap has 2'  
Bent 9 column 3 has a 3' x 1' area shell out with rebar exposed span 9 side.  
Under clearances checked this report.