



Latitude:36.05915, Longitude:-91.00240

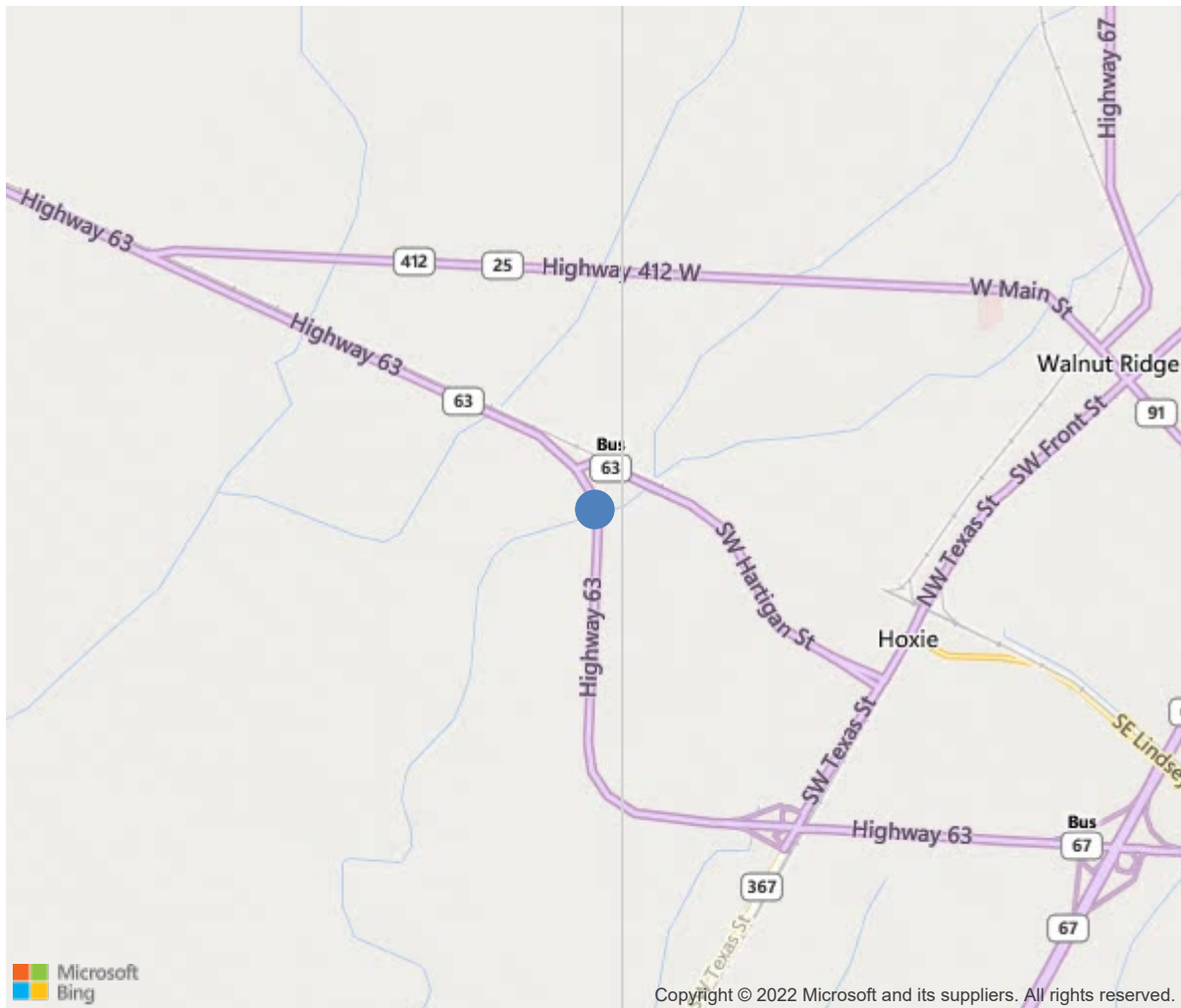
Route:63 Section:03 Log:22.09

Arnold Road ID:38x63x3xA, Arnold Log mile:22

District 10, Lawrence County

Owner: 1-State Highway Agency

1 MI W OF HOXIE ON US 63



36.05915, -91.00240

Inspection Direction : N to S



Bridge #06539(Routine, Underwater type 2)

US HWY 63 SC 03 over DITCH

Location: 1 MI W OF HOXIE ON US 63

Team Lead: James Adams Inspection Date: July 09, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06539
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	DITCH
(7) Facility Carried	US HWY 63 SC 03
(9) Location	1 MI W OF HOXIE ON US 63
(11) Mile Point	22.09 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063030
(16) Latitude	36.05915
(17) Longitude	-91.0024
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
Type	1-Slab
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(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	1996
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	7300
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	69.9 ft
(52) Deck Width Out to Out	72.8 ft
(32) Approach Roadway Width (W/Shoulders)	69.9 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	69.9 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	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	58
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	35.1
(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	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	5-Bridge foundations determined to be
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			07/2020
(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 #06539(Routine, Underwater type 2)

US HWY 63 SC 03 over DITCH

Location: 1 MI W OF HOXIE ON US 63

Team Lead: James Adams, Inspection Date: July 09, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	7645	6537	457	651	0
1080	Delamination/Spall/Patched Area	SF	14	0	10	4	0
1120	Efflorescence/Rust Staining	SF	460	0	0	460	0
1130	Cracking (RC and Other)	SF	634	0	447	187	0
215	Reinforced Concrete Abutment	LF	156	150	0	6	0
1120	Efflorescence/Rust Staining	LF	6	0	0	6	0
227	Reinforced Concrete Pile	EA	20	20	0	0	0
234	Reinforced Concrete Pier Cap	LF	146	141	0	5	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1090	Exposed Rebar	LF	1	0	0	1	0
301	Pourable Joint Seal	LF	280	70	0	196	14
2310	Leakage	LF	14	0	0	0	14
2320	Seal Adhesion	LF	196	0	0	196	0
321	Reinforced Concrete Approach Slab	SF	5110	4163	37	910	0
1080	Delamination/Spall/Patched Area	SF	7	0	0	7	0
1130	Cracking (RC and Other)	SF	940	0	37	903	0
331	Reinforced Concrete Bridge Railing	LF	210	210	0	0	0



Bridge #06539(Routine, Underwater type 2)

US HWY 63 SC 03 over DITCH

Location: 1 MI W OF HOXIE ON US 63

Team Lead: James Adams Inspection Date: July 09, 2020

## Maintenance Needs

Date Reported: 08/13/2012

Priority: D- Routine

Type of Work: None

Status: Monitor

Inspection Direction N to S

Component:

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### Deficiency Description

Approach slabs have several unsealed longitudinal cracks. Approach slab at bent 1 end has a few spalled areas.

### Remarks

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**Bridge #06539**(Routine, Underwater type 2)

**US HWY 63 SC 03 over DITCH**

**Location: 1 MI W OF HOXIE ON US 63**

**Team Lead:** James Adams **Inspection Date:** July 09, 2020

**Date Reported:** 08/13/2012  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Inspection Direction** N to S  
**Component:**

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### Deficiency Description

Deck has several unsealed longitudinal cracks. Span 2 has a few spalled areas near joints. Deck has a few areas of traffic wear with map cracking in wheel path.

### Remarks

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**Bridge #06539**(Routine, Underwater type 2)

**US HWY 63 SC 03 over DITCH**

**Location: 1 MI W OF HOXIE ON US 63**

**Team Lead:** James Adams **Inspection Date:** July 09, 2020

**Date Reported:** 08/13/2012

**Priority:** D- Routine

**Type of Work:** None

**Status:** Monitor

**Inspection Direction** N to S

**Component:**

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**Deficiency Description**

Bent 2 cap has a 2' spall with rebar exposed on Rt end.

Bent 3 cap has minor spalls on ahead side.

**Remarks**

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**Bridge #06539**(Routine, Underwater type 2)

**US HWY 63 SC 03 over DITCH**

**Location: 1 MI W OF HOXIE ON US 63**

**Team Lead:** James Adams **Inspection Date:** July 09, 2020

**Date Reported:** 08/13/2012

**Priority:** D- Routine

**Type of Work:** None

**Status:** Monitor

**Inspection Direction** N to S

**Component:**

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**Deficiency Description**

Poured joint seals have a few areas of joint missing, the rest are losing adhesion.

**Remarks**

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**Bridge #06539**(Routine, Underwater type 2)

**US HWY 63 SC 03 over DITCH**

**Location: 1 MI W OF HOXIE ON US 63**

**Team Lead:** James Adams **Inspection Date:** July 09, 2020

**Date Reported:** 07/23/2018

**Priority:** D- Routine

**Type of Work:** None

**Status:** Monitor

**Inspection Direction** N to S

**Component:**

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### Deficiency Description

Bent 4 approach roadway has settled at end of approach slab in Rt 2 lanes.

### Remarks

Lawrence Co crew is reviewing for summer repairs. KAW 7/23/2018

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**Bridge #06539**(Routine, Underwater type 2)

**US HWY 63 SC 03 over DITCH**

**Location: 1 MI W OF HOXIE ON US 63**

**Team Lead:** James Adams **Inspection Date:** July 09, 2020

## Inspection Comments

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## Deck Notes

Approach slabs have several unsealed longitudinal cracks.

Approach slab at bent 1 end has a few spalled areas. See photo.

Poured joint seals have a few areas of joint missing, the rest are losing adhesion.

Deck has several unsealed longitudinal cracks.

Span 2 has a few spalled areas near bents 2 & 3 joints in right lane.

Deck has a few areas of traffic wear with map cracking in wheel path.

Bent 4 approach roadway has been repaired with asphalt, asphalt has open cracks.

Bent 4 approach gutter at Southeast corner has a small void under roadway.

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## Superstructure Notes

Soffit has several longitudinal cracks with efflorescence, and a few small delaminated areas.

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## Substructure Notes

Bents 1 and 4 caps have a few cracks with efflorescence at keyways.

Bent 2 cap has a 2 ft. spall with exposed rebar on right end.

Bent 3 cap has minor spalls on right end & on span 3 side.

Trees growing under bridge.

Underwater type 2 inspection performed this report.