



Latitude:36.06596, Longitude:-91.01170

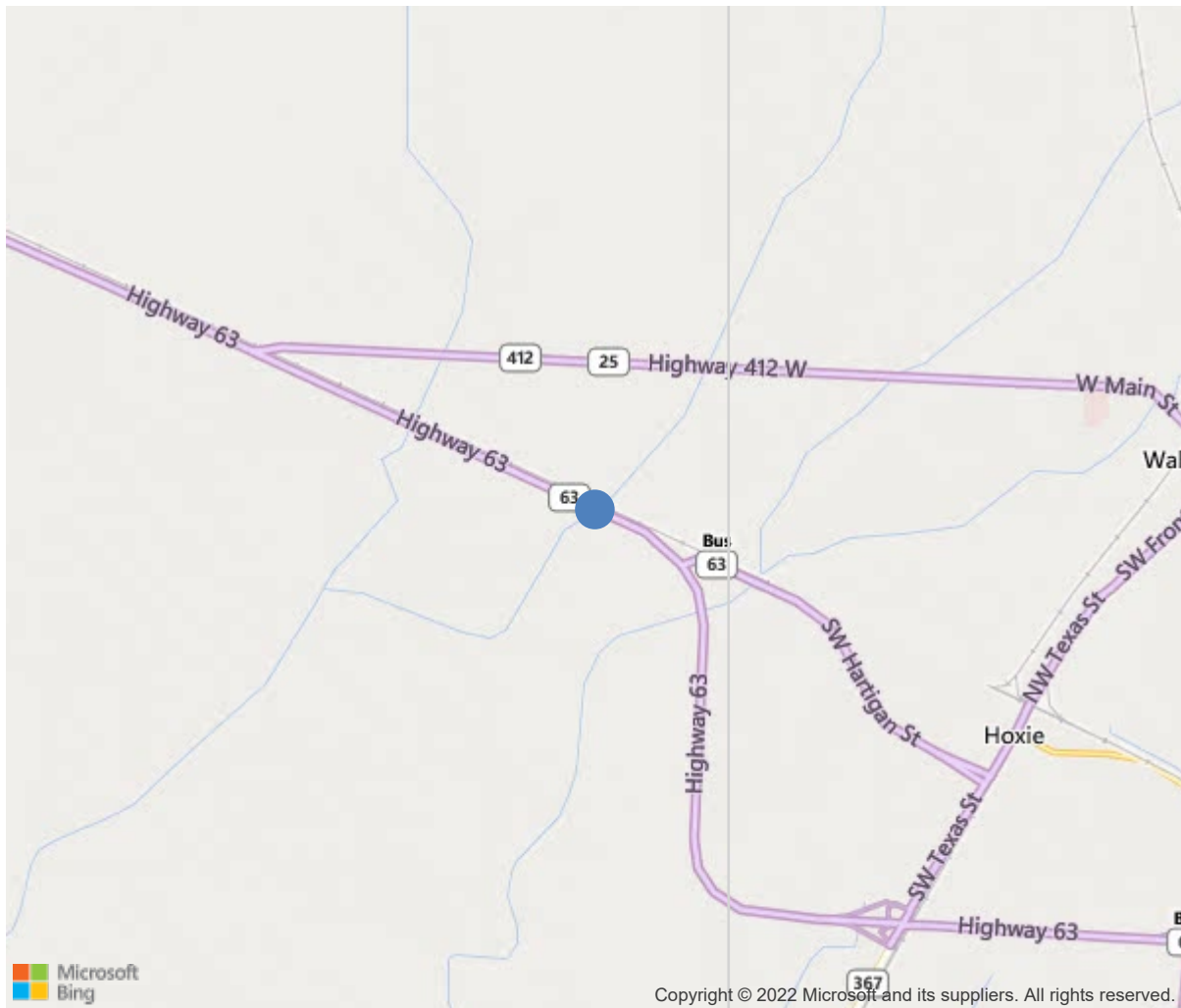
Route:63 Section:03 Log:21.35

Arnold Road ID:38x63x3xA, Arnold Log mile:21.265

District 10, Lawrence County

Owner: 1-State Highway Agency

2.4 M NW of Jct. US 67



36.06596, -91.01170

Inspection Direction : N to S



Bridge #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams Inspection Date: March 12, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07162
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	Swan Pond Ditch
(7) Facility Carried	US 63-03-LM21.35
(9) Location	2.4 M NW of Jct. US 67
(11) Mile Point	21.35 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	36.0659634216113
(17) Longitude	-91.0117028764884
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2011
(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	6800
(30) Year of ADT	2014
(109) Truck ADT	29 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	100 ft
(49) Structure Length	102.6 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	75.1 ft
(52) Deck Width Out to Out	78.2 ft
(32) Approach Roadway Width (W/Shoulders)	90.9 ft
(33) Bridge Median	0-No median
(34) Skew	30 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	76.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0-No navigation control on water
(111) Pier Protection	1-Navigation protection not requ
(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	8
(60) Substructure	8
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	1
Rating	36
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	8
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	9
(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	15000
(115) Year of Future ADT	2029

INSPECTIONS *			
(90) Inspection Date			03/2020
(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 #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams, Inspection Date: March 12, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7817	7023	746	48	0
1120	Efflorescence/Rust Staining	SF	244	0	196	48	0
1130	Cracking (RC and Other)	SF	550	0	550	0	0
107	Steel Open Girder/Beam	LF	1000	1000	0	0	0
515	Steel Protective Coating	SF	12566	11786	780	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	780	0	780	0	0
215	Reinforced Concrete Abutment	LF	225	156	67	2	0
1120	Efflorescence/Rust Staining	LF	2	0	0	2	0
1130	Cracking (RC and Other)	LF	67	0	67	0	0
302	Compression Joint Seal	LF	180	102	78	0	0
2320	Seal Adhesion	LF	33	0	33	0	0
2340	Seal Cracking	LF	45	0	45	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
321	Reinforced Concrete Approach Slab	SF	5740	0	3112	2628	0
1130	Cracking (RC and Other)	SF	5740	0	3112	2628	0
331	Reinforced Concrete Bridge Railing	LF	205	181	24	0	0
1130	Cracking (RC and Other)	LF	24	0	24	0	0



Bridge #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams **Inspection Date:** March 12, 2020

Maintenance Needs

Date Reported: 04/09/2014
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Approach slabs have several transverse and longitudinal cracks on 3' spacing. Cracks have been sealed in the past, but seals are beginning to fail.

Remarks



Bridge #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams **Inspection Date:** March 12, 2020

Date Reported: 03/08/2018

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Deck has unsealed longitudinal cracks and several transverse and diagonal cracks.

Remarks



Bridge #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams **Inspection Date:** March 12, 2020

Date Reported: 03/08/2018

Priority: G - General/ Preventive maintenance

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Compression seals have a few minor tears and areas that are beginning to lose adhesion.

Remarks



Bridge #07162(Routine, Underwater type 2)

US 63-03-LM21.35 over Swan Pond Ditch

Location: 2.4 M NW of Jct. US 67

Team Lead: James Adams **Inspection Date:** March 12, 2020

Deck Notes

Left and right bridge rails have minor vertical cracks.

Approach slabs have several transverse and longitudinal cracks on 3 ft. spacing. Cracks have been sealed in the past, but seals are beginning to fail.

Deck has unsealed longitudinal cracks and several transverse and diagonal cracks.

Compression seals have a few minor tears and areas that are beginning to lose adhesion.

Soffit has a few transverse cracks with efflorescence at center line and at overhang portion of deck.

Superstructure Notes

Weathering steel girders & diaphragms have some minor oxide film degradation on bottom flanges.

Substructure Notes

Abutments have a few minor vertical cracks. Roadway portion of back walls have several minor cracks.

Underwater type 2 inspection performed this report.