



Latitude:36.43942, Longitude:-91.49654

Route:63 Section:01 Log:5.6

Arnold Road ID:25x63x1xA, Arnold Log mile:5.621

District 05, 49 - Fulton County

Owner: 1 - State Highway Agency

### Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

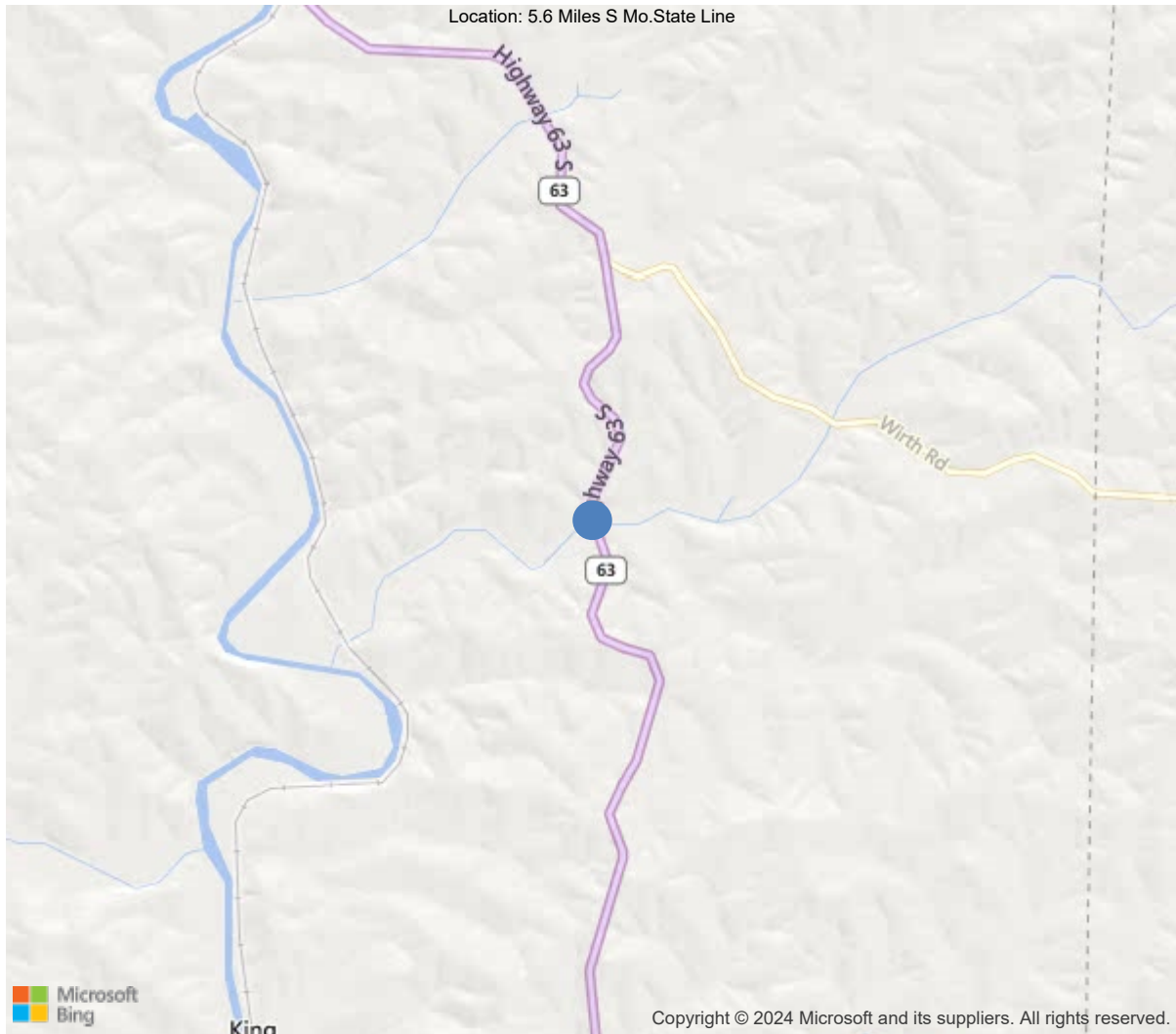
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



36.43942, -91.49654





Asset #06805(Routine, Underwater type 2)

US 63/Fulton Co. over Big Creek

Location: 5.6 Miles S Mo.State Line

Team Lead: Kerry Little, Inspection Date: 09/27/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06805
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	49 - Fulton County
(4) Place Code	0
(6) Features Intersected	Big Creek
(7) Facility Carried	US 63/Fulton Co.
(9) Location	5.6 Miles S Mo.State Line
(11) Mile Point	5.6 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063010
(16) Latitude	36.439415
(17) Longitude	-91.496536
(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	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 pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2002
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	3700
(30) Year of ADT	2018
(109) Truck ADT	26 %
(19) Bypass, Detour Length	16 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	60 ft
(49) Structure Length	162 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 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 w
(111) Pier Protection	1 - Navigation protection not
(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 -
(100) Defense Highway	2 - The inventory route is on
(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 par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	8
(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	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
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	
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	4900
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	09/27/2022		
(91) Frequency	24		
(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.			





Asset **#06805**(Routine, Underwater type 2)

**District:** 05, **County:** 49 - Fulton County

**Team Lead:** Kerry Little, **Inspection Date:** 09/27/2022

**General Observation**

Elevation with Log Mile running to the Left.

---

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6998	5948	550	500	0
1120	Efflorescence/Rust Staining	SF	50	0	50	0	0
1130	Cracking (RC and Other)	SF	1000	0	500	500	0
(12) Efflorescent cracking to Left & Right overhangs. Unsealed transverse & longitudinal cracking to deck @ all spans.							
107	Steel Open Girder/Beam	LF	960	960	0	0	0
515	Steel Protective Coating	SF	6480	6480	0	0	0
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	126	92	24	10	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
6000	Scour	LF	25	0	15	10	0
(215) Minor vertical cracking to Abutment 1. Minor erosion to Right end of Abutment 1. 5 vertical efflorescent cracks to backwall @ Abutment 2. Abutment 2 has erosion to Left & Right ends & is beginning to undermine.							
234	Reinforced Concrete Pier Cap	LF	84	84	0	0	0
301	Pourable Joint Seal	LF	43	43	0	0	0
302	Compression Joint Seal	LF	43	40	0	3	0
2340	Seal Cracking	LF	3	0	0	3	0
310	Elastomeric Bearing	EA	24	24	0	0	0
515	Steel Protective Coating	SF	48	48	0	0	0
331	Reinforced Concrete Bridge Railing	LF	320	239	81	0	0
1120	Efflorescence/Rust Staining	LF	18	0	18	0	0
1130	Cracking (RC and Other)	LF	63	0	63	0	0
(331) Vertical cracking, some with efflorescence to parapet walls.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6998	5948	550	500	0
1120	Efflorescence/Rust Staining	SF	50	0	50	0	0
1130	Cracking (RC and Other)	SF	1000	0	500	500	0
(12) Efflorescent cracking to Left & Right overhangs. Unsealed transverse & longitudinal cracking to deck @ all spans.							





Asset #06805(Routine, Underwater type 2)

US 63/Fulton Co. over Big Creek

Location: 5.6 Miles S Mo.State Line

Team Lead: Kerry Little, Inspection Date: 09/27/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	960	960	0	0	0
515	Steel Protective Coating	SF	6480	6480	0	0	0



Asset #06805(Routine, Underwater type 2)

US 63/Fulton Co. over Big Creek

Location: 5.6 Miles S Mo.State Line

Team Lead: Kerry Little, Inspection Date: 09/27/2022

## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	126	92	24	10	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
6000	Scour	LF	25	0	15	10	0
(215) Minor vertical cracking to Abutment 1. Minor erosion to Right end of Abutment 1. 5 vertical efflorescent cracks to backwall @ Abutment 2. Abutment 2 has erosion to Left & Right ends & is beginning to undermine.							
234	Reinforced Concrete Pier Cap	LF	84	84	0	0	0



Elevation with Log Mile going Right.



Roadway with Log Mile looking south.



Deck with logmile



Overall deck below @ span 2.





Efflor cracks @ abutment 1.



Cracking/tear to joint seal @ Abut. 2.

**Maintenance Needs**

**Date Reported:** 09/14/2016

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Status:** Monitor

**Component:**

---

**Deficiency Description**

Deck at all spans  
Few longitudinal and transverse unsealed cracks.

**Remarks**

---



Deck at all spans  
Few longitudinal and transverse unsealed cracks.



Transverse & longitudinal cracking to deck @ Span 2.



Transverse cracking to deck @ Span 1.



**Maintenance Needs**

**Date Reported:** 09/14/2016

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Status:** Monitor

**Component:**

---

**Deficiency Description**

Abutment 2 has erosion to Left and Right ends.

**Remarks**

---



Scour to Right end of Abutment 2.



Scour to Left end of Abutment 2.



Abutment 2 has erosion to Left and Right ends.  
Left side.



Abutment 2 has erosion to Left and Right ends.  
Right side.



**Maintenance Needs**

**Date Reported:** 09/14/2016

**Priority:** D- Routine

**Status:** Assigned

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Component:**

---

**Deficiency Description**

Channel

Vegetation growing under and around structure restricting flow and access.

**Remarks**

---



Vegetation on Left side of bridge.

**Maintenance Needs**

**Date Reported:** 09/29/2020

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Assigned

**Component:** Substructure

---

**Deficiency Description**

Heavy debris on cap @ Abutment 1.

**Remarks**

---



Heavy debris on cap @ Abutment 1.



**Asset #06805**(Routine, Underwater type 2)

**US 63/Fulton Co. over Big Creek**

**Location: 5.6 Miles S Mo.State Line**

**Team Lead:** Kerry Little, **Inspection Date:** 09/27/2022

## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

**A-54 - Sealable Deck Cracks**

**A-55 - Deck Washing Needed**

**A-56 - Joint Cleaning/Flushing Needed**





**Asset #06805**(Routine, Underwater type 2)

**US 63/Fulton Co. over Big Creek**

**Location: 5.6 Miles S Mo.State Line**

**Team Lead: Kerry Little, Inspection Date: 09/27/2022**

**A-57 - Beam End and Bearing Painting Needed**

**A-58 - Cap Cleaning/Flushing Needed**

**A-59 - Joint Repair Needed**

**A-60 - Full Beam Painting Needed**

**A-61 - Polymer Overlay Advised**

**A-62 - Hydro and LMC Advised**

**A-63 - Missing/Incorrect Log Mile Signage**

**A-64 - Vegetation Removal Requested**



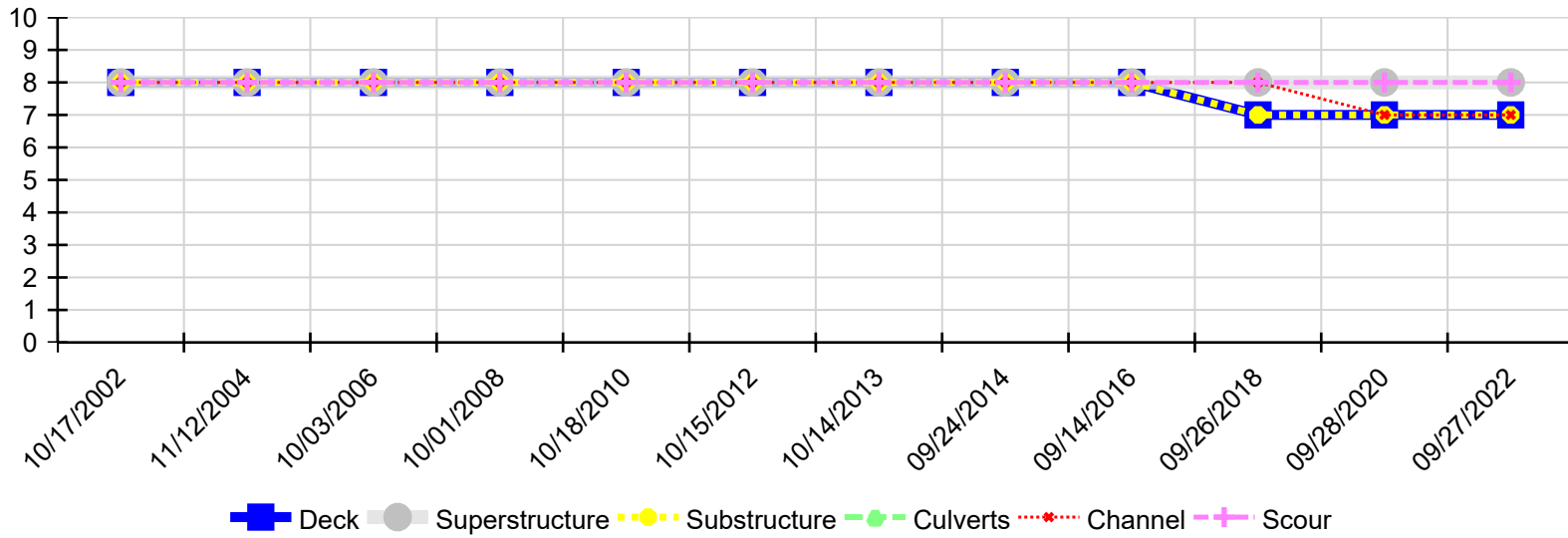
Asset #06805(Routine, Underwater type 2)

US 63/Fulton Co. over Big Creek

Location: 5.6 Miles S Mo.State Line

Team Lead: Kerry Little, Inspection Date: 09/27/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/27/2022	7	8	7	N	7	8
09/28/2020	7	8	7	N	7	8
09/26/2018	7	8	7	N	8	8
09/14/2016	8	8	8	N	8	8
09/24/2014	8	8	8	N	8	8
10/14/2013	8	8	8	N	8	8
10/15/2012	8	8	8	N	8	8
10/18/2010	8	8	8	N	8	8
10/01/2008	8	8	8	N	8	8
10/03/2006	8	8	8	N	8	8
11/12/2004	8	8	8	N	8	8
10/17/2002	8	8	8	N	8	8