



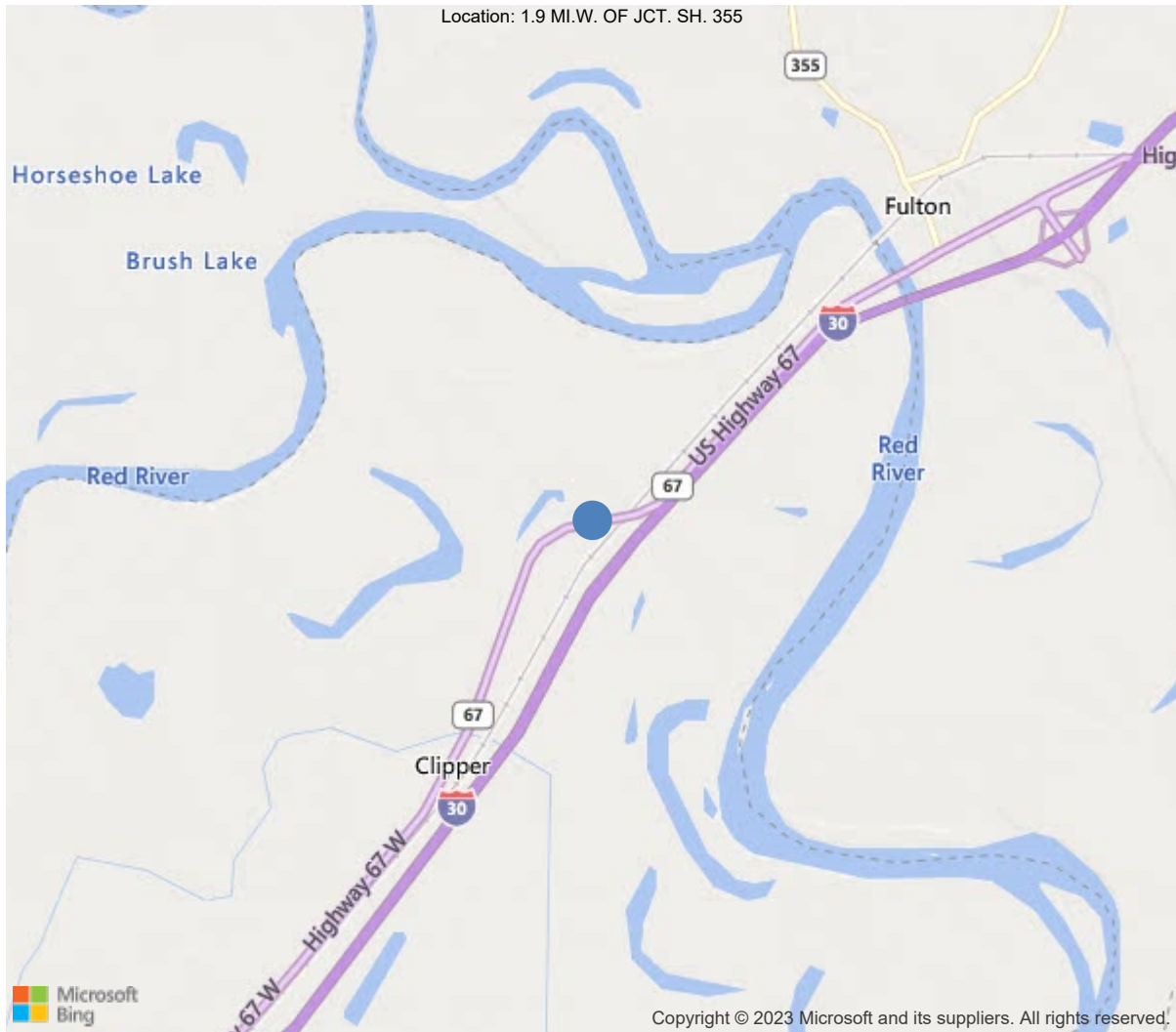
Latitude:33.58968, Longitude:-93.84088

Route:67 Section:01 Log:16.61

Arnold Road ID:46x67x1xA, Arnold Log mile:16.609

District 03, 91 - Miller County

Owner: 1 - State Highway Agency



33.58968, -93.84088



Asset #06751(Routine)

U.S67 SEC.01-16.61 over SWAN CR.,UPRR,CR 111

Location: 1.9 MI.W. OF JCT. SH. 355

Team Lead: Jared Kegley, Inspection Date: 03/23/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06751
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	91 - Miller County
(4) Place Code	0
(6) Features Intersected	SWAN CR.,UPRR,CR 111
(7) Facility Carried	U.S67 SEC.01-16.61
(9) Location	1.9 MI.W. OF JCT. SH. 355
(11) Mile Point	16.61 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.58968
(17) Longitude	-93.84088
(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	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	24
(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	2000
(106) Year Reconstructed	0
(42) Type of Service	18
On	1 - Highway
Under	8 - Highway-waterway-railroad
(28) Lane	
On	2
Under	2
(29) Average Daily Traffic	4300
(30) Year of ADT	2018
(109) Truck ADT	17 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	154 ft
(49) Structure Length	1705 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	39.4 ft
(52) Deck Width Out to Out	42.5 ft
(32) Approach Roadway Width (W/Shoulders)	39 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	39.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	28.12 ft
Ref:	
(55) Min Lat Underclear RT	13.1 ft
Ref:	
(56) Min Lat Underclear LT	20.2 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	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(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	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(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	8
(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	7
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	9
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(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	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	0
(114) Future ADT	3140
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/23/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			

**58 - Deck (7 - GOOD CONDITION - some minor problems.)**

Deck is rated a 7 this inspection due to various locations of deck cracking and cracking with efflorescence throughout all spans of bridge.

59 - Superstructure (8 - VERY GOOD CONDITION - no problems noted.)

Superstructure is rated an 8 this inspection due to no noteworthy defects in weathering steel beams.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Substructure is rated a 7 this inspection due to cracking in both abutments and spalls in various columns.

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

Channel rating is a 8 due to channel being in good condition. Channel is a small ditch.

A-5 - Stay In Place Forms (Yes)

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A-46 - Asset Files

-

A-54 - Sealable Deck Cracks (Y)

Sealable deck cracking throughout all spans

A-55 - Deck Washing Needed (Y)

Deck washing needed

A-61 - Polymer Overlay Advised (Y)

Longitudinal and transverse cracking in all spans.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)

Scour rating is a 9 due to no scour.

U.S67 SEC.01-16.61 over SWAN CR.,UPRR,CR 111

Location: 1.9 MI.W. OF JCT. SH. 355

Team Lead: Jared Kegley, **Inspection Date:** 03/23/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	72344	64841	7503	0	0
1080	Delamination/Spall/Patched Area	SF	3	0	3	0	0
1120	Efflorescence/Rust Staining	SF	2500	0	2500	0	0
1130	Cracking (RC and Other)	SF	5000	0	5000	0	0
(12) 5000' CS2 cracking throughout all spans of bridge deck. 2500' CS2 efflorescence on both RT and LT overhangs in all spans. 3' CS2 spalling in various locations on top side of bridge deck.							
107	Steel Open Girder/Beam	LF	8513	8513	0	0	0
515	Steel Protective Coating	SF	80436	80436	0	0	0
205	Reinforced Concrete Column	EA	52	44	8	0	0
1080	Delamination/Spall/Patched Area	EA	8	0	8	0	0
(205) Bent 2 column 2 spall Bent 4 column 2 spall Bent 8 column 2 spall Bent 11 column 1 spall Bent 14 column 1 spall Bent 15 column 1 spall Bent 17 column 1 spall Bent 24 column 1 spall							
215	Reinforced Concrete Abutment	LF	125	112	13	0	0
1120	Efflorescence/Rust Staining	LF	13	0	13	0	0
(215) 7' CS2 efflorescence in Bent 1 backwall 6' CS2 efflorescence to Bent 27 backwall							
234	Reinforced Concrete Pier Cap	LF	1023	1023	0	0	0
300	Strip Seal Expansion Joint	LF	424	420	4	0	0
2320	Seal Adhesion	LF	4	0	4	0	0
(300) Bent 13- 4' seal adhesion							
310	Elastomeric Bearing	EA	180	180	0	0	0
331	Reinforced Concrete Bridge Railing	LF	3405	3150	254	1	0
1080	Delamination/Spall/Patched Area	LF	4	0	3	1	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	250	0	250	0	0
(331) 250' CS2 cracking throughout both RT and LT side of bridge railing in all spans. 1' CS2 rebar exposed. 3' CS2 spalling in concrete bridge railing in various locations. 1' CS3 spall in concrete bridge railing.							



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	72344	64841	7503	0	0
1080	Delamination/Spall/Patched Area	SF	3	0	3	0	0
1120	Efflorescence/Rust Staining	SF	2500	0	2500	0	0
1130	Cracking (RC and Other)	SF	5000	0	5000	0	0
(12) 5000' CS2 cracking throughout all spans of bridge deck. 2500' CS2 efflorescence on both RT and LT overhangs in all spans. 3' CS2 spalling in various locations on top side of bridge deck.							

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Comment: Deck is rated a 7 this inspection due to various locations of deck cracking and cracking with efflorescence throughout all spans of bridge.



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	8513	8513	0	0	0
515	Steel Protective Coating	SF	80436	80436	0	0	0

59 - Superstructure (8 - VERY GOOD CONDITION - no problems noted.)

Comment: Superstructure is rated an 8 this inspection due to no noteworthy defects in weathering steel beams.

**Substructure**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	52	44	8	0	0
1080	Delamination/Spall/Patched Area	EA	8	0	8	0	0
(205) Bent 2 column 2 spall Bent 4 column 2 spall Bent 8 column 2 spall Bent 11 column 1 spall Bent 14 column 1 spall Bent 15 column 1 spall Bent 17 column 1 spall Bent 24 column 1 spall							
215	Reinforced Concrete Abutment	LF	125	112	13	0	0
1120	Efflorescence/Rust Staining	LF	13	0	13	0	0
(215) 7' CS2 efflorescence in Bent 1 backwall 6' CS2 efflorescence to Bent 27 backwall							
234	Reinforced Concrete Pier Cap	LF	1023	1023	0	0	0

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Comment: Substructure is rated a 7 this inspection due to cracking in both abutments and spalls in various columns.

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

Comment: Channel rating is a 8 due to channel being in good condition. Channel is a small ditch.



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Spall in bridge railing



Deck cracking



Deck photo



Joint adhesion



Joint adhesion



Safety fence over R/R tracks



Spalls in bridge railing



Deck spalls



Deck cracking



Deck washing needed



Deck washing needed



Cracking in bridge railing



Deck cracking



Deck cracking



Sealable deck cracking



Joint



Abutment photo



Efflorescence in overhangs



Span 14 over RR tracks.



Span 13, 14, and 15 have diaphragms



Underside of deck, spans 13, 14, 15.



Bent 11 column 1 spall



Bent 8 column 2 spall



Bent photo



Underside of deck



Bent 2 column 2 spall



Efflorescence in overhangs



Efflorescence in overhangs



Stay in place forms



Efflorescence in backwall



Bearing photo



Beam photo



Elevation



Alignment

Maintenance Needs

Date Reported: 04/17/2015

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Open

Component:

Deficiency Description

EROSION AT BENT 1 ABUTMENT AND UNDER SPAN 1

Remarks



EROSION AT BENT 1 ABUTMENT
AND UNDER SPAN 1



Water drain out joint under bridge



Erosion under span 1 at abutment

Maintenance Needs

Date Reported: 04/19/2017

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Open

Component:

Deficiency Description

Vines growing on bent 2 and 3

Remarks

AMS will handle.



Bent 2 vines



Bent #3 vines



Bent #2 vines



Vines growing on bent 2 and 3



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	Yes
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	Yes
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	



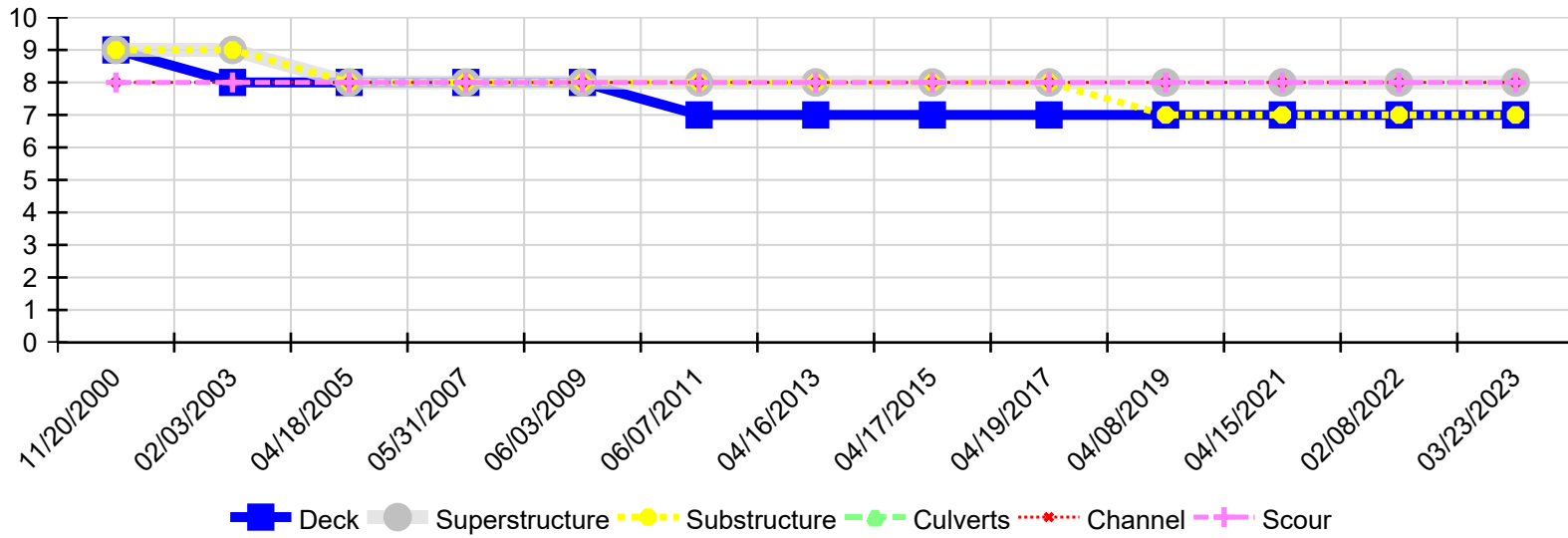
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/23/2023	7	8	7	N	8	8
02/08/2022	7	8	7	N	8	8
04/15/2021	7	8	7	N	8	8
04/08/2019	7	8	7	N	8	8
04/19/2017	7	8	8	N	8	8
04/17/2015	7	8	8	N	8	8
04/16/2013	7	8	8	N	8	8
06/07/2011	7	8	8	N	8	8
06/03/2009	8	8	8	N	8	8
05/31/2007	8	8	8	N	8	8
04/18/2005	8	8	8	N	8	8
02/03/2003	8	9	9	N	8	8
11/20/2000	9	9	9	N	8	8