



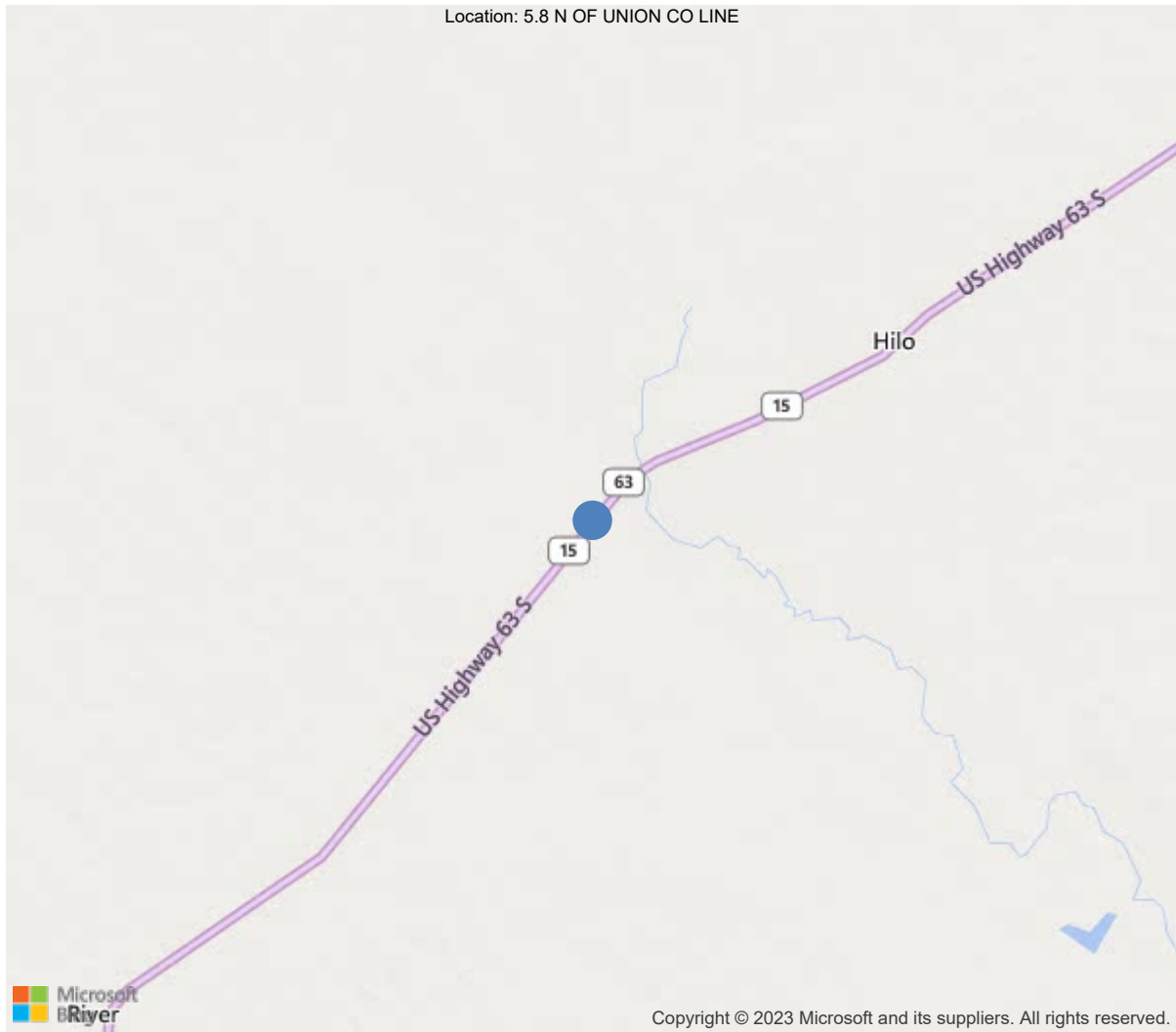
Latitude:33.34843, Longitude:-92.29922

Route:63 Section:17 Log:22.88

Arnold Road ID:6x63x17xA, Arnold Log mile:22.716

District 07, 11 - Bradley County

Owner: 1 - State Highway Agency



33.34843, -92.29922



Asset #06527(Routine)

US 63 S-17 LM22.88 over CHARIVARI CK RELIEF

Location: 5.8 N OF UNION CO LINE

Team Lead: Rickie Bratton, Inspection Date: 09/13/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06527
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	11 - Bradley County
(4) Place Code	0
(6) Features Intersected	CHARIVARI CK RELIEF
(7) Facility Carried	US 63 S-17 LM22.88
(9) Location	5.8 N OF UNION CO LINE
(11) Mile Point	22.88 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063170
(16) Latitude	33.348426035511
(17) Longitude	-92.2992235790359
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(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	9 - Other
AGE AND SERVICE	
(27) Year Built	1994
(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	1300
(30) Year of ADT	2018
(109) Truck ADT	21 %
(19) Bypass, Detour Length	40 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	90 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	36.1 ft
(52) Deck Width Out to Out	38.9 ft
(32) Approach Roadway Width (W/Shoulders)	36.1 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	37.4 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	0
(26) Functional Class	6 - Rural Minor Arterial
(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	7
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3 - Load and Resistance Factor(LRFR)
Rating	29
(65) Inventory Rating Method	3 - Load and Resistance Factor
(66) Inventory Rating	
Type	
Rating	23
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	9
(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	5 - 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	
(114) Future ADT	1661
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/13/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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 #06527(Routine)

District: 07, County: 11 - Bradley County

Team Lead: Rickie Bratton, Inspection Date: 09/13/2022

General Observation (False)

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A-45 - Bats Present (1)

Span 3 bat present in bay 3.

A-46 - Asset Files

-



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US 63 S-17 LM22.88 over CHARIVARI CK RELIEF

Location: 5.8 N OF UNION CO LINE

Team Lead: Rickie Bratton, Inspection Date: 09/13/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3500	3219	281	0	0
1120	Efflorescence/Rust Staining	SF	51	0	51	0	0
1130	Cracking (RC and Other)	SF	230	0	230	0	0
(16) Bottom side spans 1,2, and 3 has 20' of eff. Top side has 90' of cracks							
110	Reinforced Concrete Open Girder/Beam	LF	450	450	0	0	0
227	Reinforced Concrete Pile	EA	12	12	0	0	0
234	Reinforced Concrete Pier Cap	LF	156	156	0	0	0
301	Pourable Joint Seal	LF	78	0	78	0	0
2320	Seal Adhesion	LF	78	0	78	0	0
(301) Joints have lose of bondage, with little leakage.							
331	Reinforced Concrete Bridge Railing	LF	180	180	0	0	0

US 63 S-17 LM22.88 over CHARIVARI CK RELIEF

Location: 5.8 N OF UNION CO LINE

Team Lead: Rickie Bratton, **Inspection Date:** 09/13/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3500	3219	281	0	0
1120	Efflorescence/Rust Staining	SF	51	0	51	0	0
1130	Cracking (RC and Other)	SF	230	0	230	0	0
(16) Bottom side spans 1,2, and 3 has 20' of eff. Top side has 90' of cracks							



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Location: 5.8 N OF UNION CO LINE

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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	450	450	0	0	0



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
227	Reinforced Concrete Pile	EA	12	12	0	0	0
234	Reinforced Concrete Pier Cap	LF	156	156	0	0	0



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Deck



Span 1 deck soffit.



Deck overview.



Span 1 soffit overview.



Roadway



Approach roadway Westbound.



Span 3, cracks with efflorescence.



Approach roadway.



Span 1, longitudinal crack.



Deck overview.



Span 1, diagonal crack.



Elevation.



Span 3 bat present in bay 3.



Profile



Span 3 soffit has cracks with efflorescence.

Maintenance Needs

Date Reported: 09/26/2012
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Joint material is tattered and losing bond.

Remarks





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Location: 5.8 N OF UNION CO LINE

Team Lead: Rickie Bratton, Inspection Date: 09/13/2022

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
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	



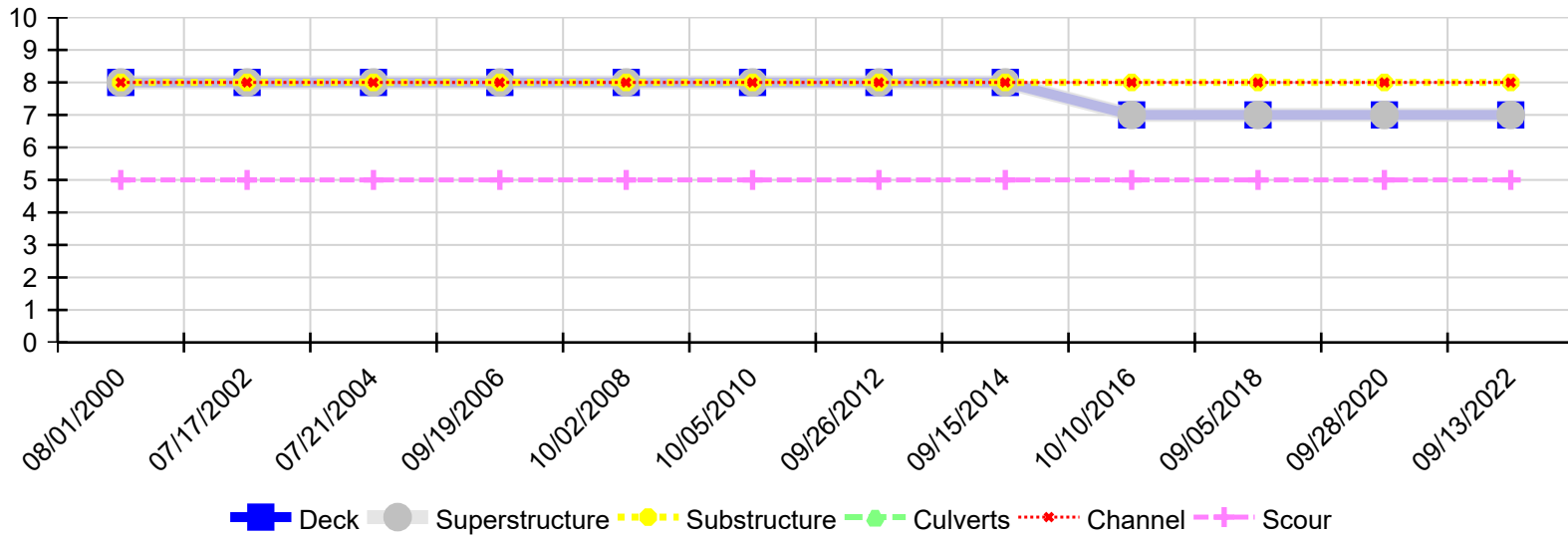
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/13/2022	7	7	8	N	8	5
09/28/2020	7	7	8	N	8	5
09/05/2018	7	7	8	N	8	5
10/10/2016	7	7	8	N	8	5
09/15/2014	8	7	8	N	8	5
09/26/2012	8	7	8	N	8	5
10/05/2010	8	7	8	N	8	5
10/02/2008	8	7	8	N	8	5
09/19/2006	8	7	8	N	8	5
07/21/2004	8	7	8	N	8	5
07/17/2002	8	7	8	N	8	5
08/01/2000	8	7	8	N	8	5