



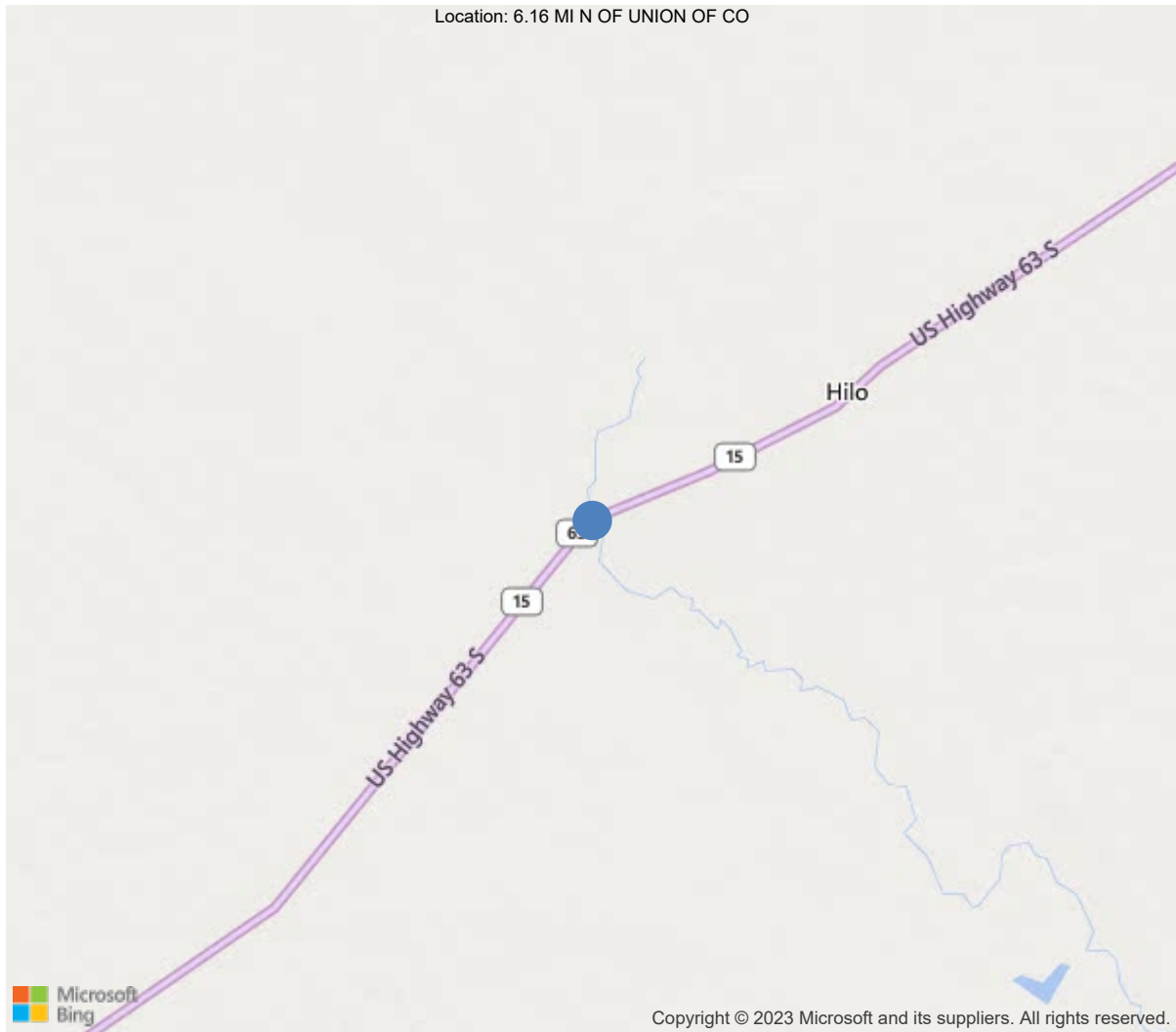
Latitude:33.35215, Longitude:-92.29510

Route:63 Section:17 Log:22.52

Arnold Road ID:6x63x17xA, Arnold Log mile:22.364

District 07, 11 - Bradley County

Owner: 1 - State Highway Agency



33.35215, -92.29510





Asset #06528(Routine)

US 63 S-17 LM22.52 over CHARIVARI CRK

Location: 6.16 MI N OF UNION OF CO

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06528
(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 CRK
(7) Facility Carried	US 63 S-17 LM22.52
(9) Location	6.16 MI N OF UNION OF CO
(11) Mile Point	22.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063170
(16) Latitude	33.35215
(17) Longitude	-92.2951
(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	4
(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	120 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	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	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	9
(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			
<p>* 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.</p>			



Asset #06528(Routine)

District: 07, County: 11 - Bradley County

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

**General Observation (False)**

Logged northeast to southwest.

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**A-46 - Asset Files**

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Location: 6.16 MI N OF UNION OF CO

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	4668	4245	423	0	0
1120	Efflorescence/Rust Staining	SF	73	0	73	0	0
1130	Cracking (RC and Other)	SF	350	0	350	0	0
(16) top of deck have cracks. Bottom of deck- spans 1,2,3 and 4 has eff.							
110	Reinforced Concrete Open Girder/Beam	LF	600	600	0	0	0
227	Reinforced Concrete Pile	EA	18	18	0	0	0
234	Reinforced Concrete Pier Cap	LF	195	195	0	0	0
301	Pourable Joint Seal	LF	117	17	100	0	0
2320	Seal Adhesion	LF	100	0	100	0	0
331	Reinforced Concrete Bridge Railing	LF	240	235	0	5	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0

**Asset #06528(Routine)**



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Location: 6.16 MI N OF UNION OF CO

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## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	600	600	0	0	0





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## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
227	Reinforced Concrete Pile	EA	18	18	0	0	0
234	Reinforced Concrete Pier Cap	LF	195	195	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 2 soffit overview.



Roadway



Approach roadway Westbound.





Deck overview.



Left side approach, rail and post bent.



Span 4, cracks with efflorescence.



Span 4, diagonal cracks.





Elevation.



Approach roadway.



Profile





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US 63 S-17 LM22.52 over CHARIVARI CRK

Location: 6.16 MI N OF UNION OF CO

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

#### Maintenance Needs

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

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#### Deficiency Description

Joint material is tattered and losing bond.

#### Remarks

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**Date Reported:** 09/13/2022  
**Priority:** D- Routine  
**Type of Work:** (Inactive) (Inactive) 1 - Clean  
**Status:** Open  
**Component:** Miscellaneous

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**Deficiency Description**

Log against bent 3 right side.

**Remarks**

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Log against bent 3 right side.



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**US 63 S-17 LM22.52 over CHARIVARI CRK**

**Location: 6.16 MI N OF UNION OF CO**

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

## **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	





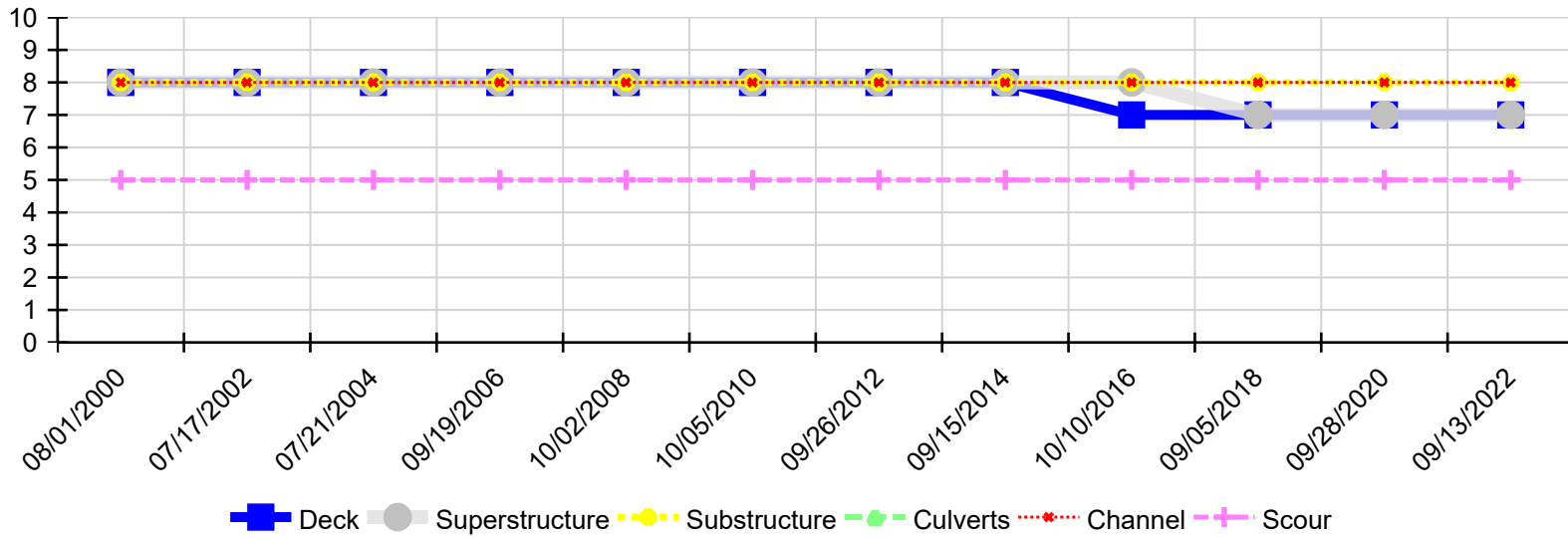
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Location: 6.16 MI N OF UNION OF CO

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

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	8	8	N	8	5
09/15/2014	8	8	8	N	8	5
09/26/2012	8	8	8	N	8	5
10/05/2010	8	8	8	N	8	5
10/02/2008	8	8	8	N	8	5
09/19/2006	8	8	8	N	8	5
07/21/2004	8	8	8	N	8	5
07/17/2002	8	8	8	N	8	5
08/01/2000	8	8	8	N	8	5