



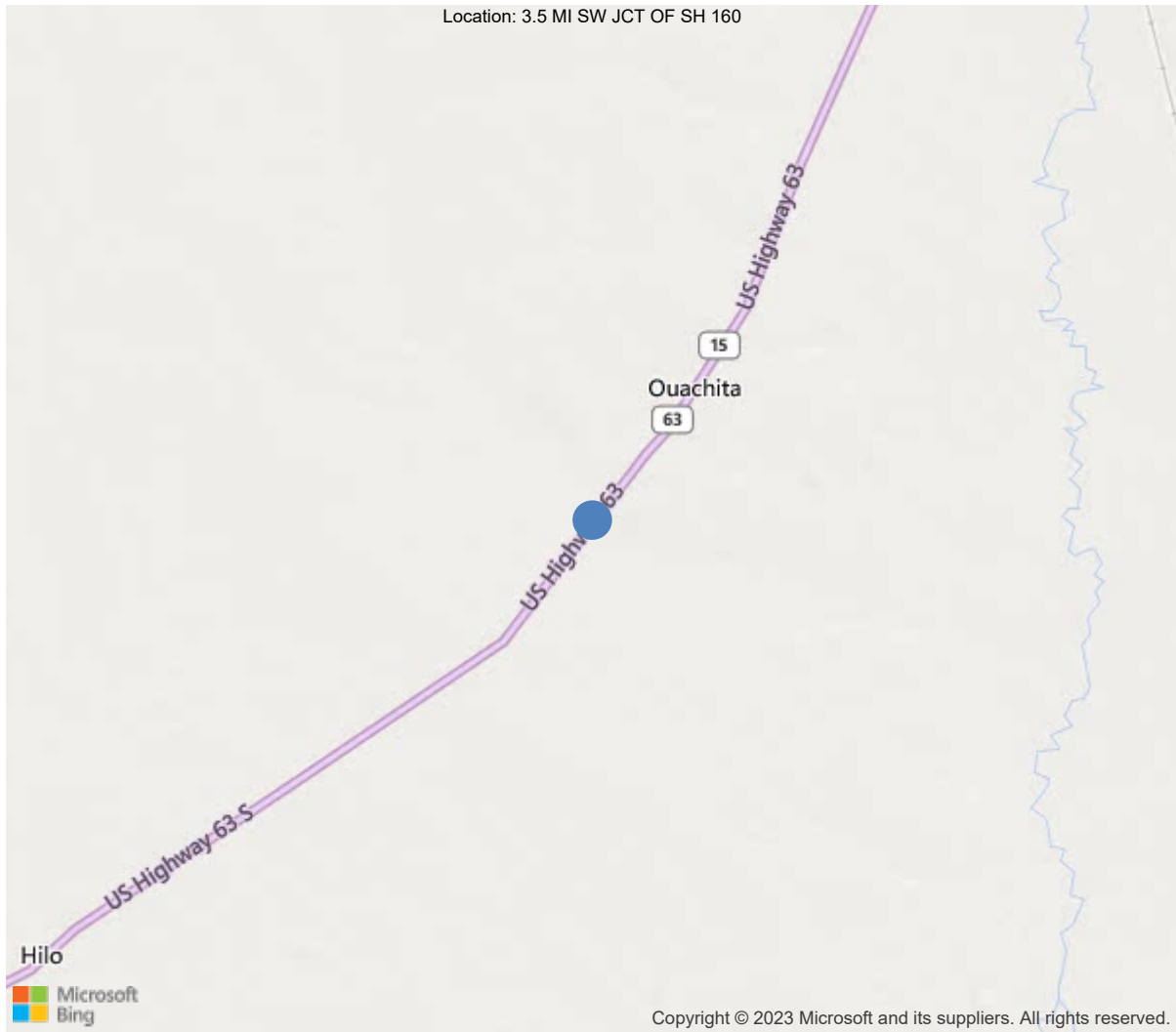
Latitude:33.39345, Longitude:-92.22454

Route:63 Section:17 Log:17.43

Arnold Road ID:6x63x17xA, Arnold Log mile:17.328

District 07, 11 - Bradley County

Owner: 1 - State Highway Agency



33.39345, -92.22454



Asset #06529(Routine)

US 63 S-17 LM17.43 over BEECH CREEK

Location: 3.5 MI SW JCT OF SH 160

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06529
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	11 - Bradley County
(4) Place Code	0
(6) Features Intersected	BEECH CREEK
(7) Facility Carried	US 63 S-17 LM17.43
(9) Location	3.5 MI SW JCT OF SH 160
(11) Mile Point	17.43 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063170
(16) Latitude	33.3934520218894
(17) Longitude	-92.2245440244675
(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	6
(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	1397
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	180 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	36 ft
(52) Deck Width Out to Out	38.8 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	36.7 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	6
(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	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	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	1916
(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 #06529(Routine)

District: 07, County: 11 - Bradley County

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

General Observation (False)

Logged northeast to southwest.

49 - Structure Length (180)

09/28/2020 JPR -- Structure Length = 180.0' per plans.

51 - Bridge Roadway Width Curb-To-Curb (36)

09/28/2020 Bridge Roadway Width Curb-to-Curb = 36.0' per plans.

52 - Deck Width (38.8)

09/28/2020 JPR -- Deck Width = 38.83' or 38.8' per plans.

A-46 - Asset Files

-

[illegible]

Location: 3.5 MI SW JCT OF SH 160

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

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	6989	6292	696	1	0
1080	Delamination/Spall/Patched Area	SF	1	0	0	1	0
1120	Efflorescence/Rust Staining	SF	65	0	65	0	0
1130	Cracking (RC and Other)	SF	631	0	631	0	0
(16) Top of deck, Spall, span 3 bent 4. Transverse and diagonal cracks in top of deck. Bottom of deck. Cracks with efflorescence in spans, 1, 2, 3, 5 and 6 09/28/2020 JPR -- Reinforced Concrete Top Flange total area = (180.0' x 38.83' = 6989 sq.ft. per plans.							

Location: 3.5 MI SW JCT OF SH 160

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

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	900	900	0	0	0
(110) Vertical hairline flexure cracks in girders. 09/28/2020 JPR -- Reinforced Concrete Open Girder/Beam = (180' x 5 girders = 900' of girders per plans.							



Asset #06529(Routine)

US 63 S-17 LM17.43 over BEECH CREEK

Location: 3.5 MI SW JCT OF SH 160

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Deck



Span 2 deck soffit.



Deck overview.



Roadway



Approach roadway Westbound.



Span 3, diagonal cracks with efflorescence.



Span 3 bent 4 spall.



Span 1 longitudinal crack, max 0.030.



Approach roadway.



Left side span 6 spall.



Elevation.



Deck overview.



Profile



Span 3 at bent 4 spall in deck.



Span 4 soffit overview.



Span 1 soffit 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.

Spalled area at joint bent 4 right side.

Remarks



Spall at bent 4

Date Reported: 10/10/2016
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Spall at span 3 bent 4, in wheel rut area. South bound lane.

Remarks



Span 3 at bent 4 spall in deck.



Asset #06529(Routine)

US 63 S-17 LM17.43 over BEECH CREEK

Location: 3.5 MI SW JCT OF SH 160

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	



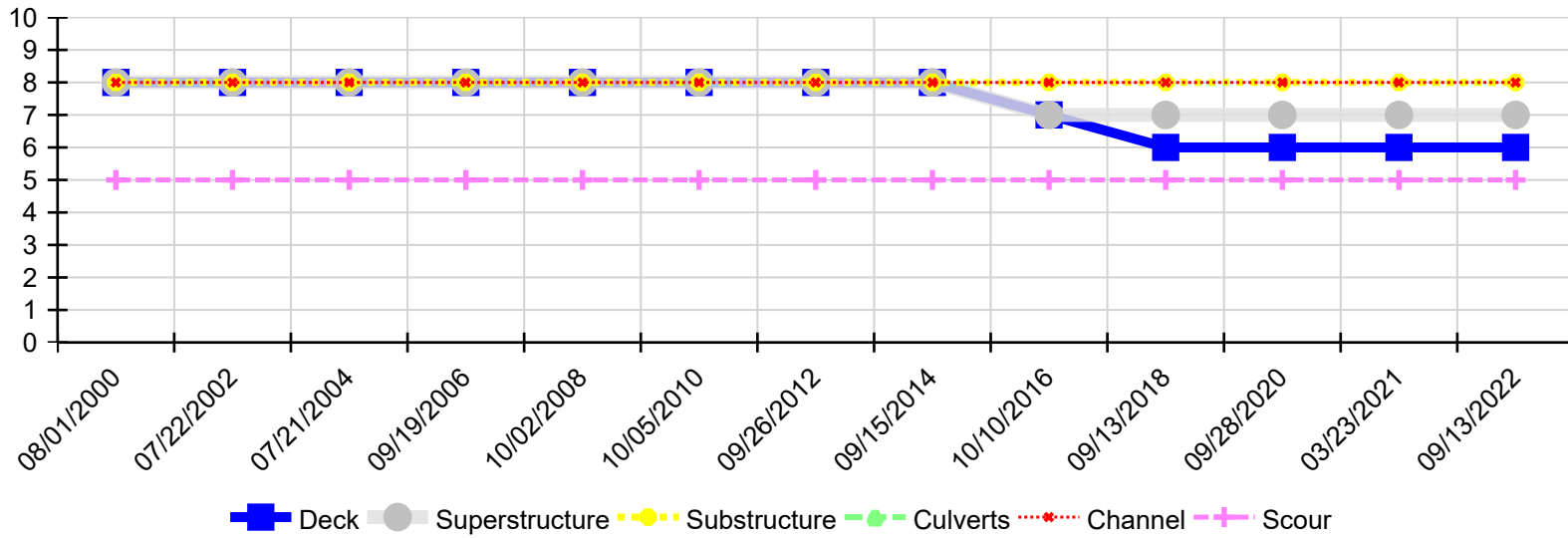
Asset #06529(Routine)

US 63 S-17 LM17.43 over BEECH CREEK

Location: 3.5 MI SW JCT OF SH 160

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

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/13/2022	6	7	8	N	8	5
03/23/2021	6	7	8	N	8	5
09/28/2020	6	7	8	N	8	5
09/13/2018	6	7	8	N	8	5
10/10/2016	7	7	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
07/22/2002	8	8	8	N	8	5
08/01/2000	8	8	8	N	8	5