



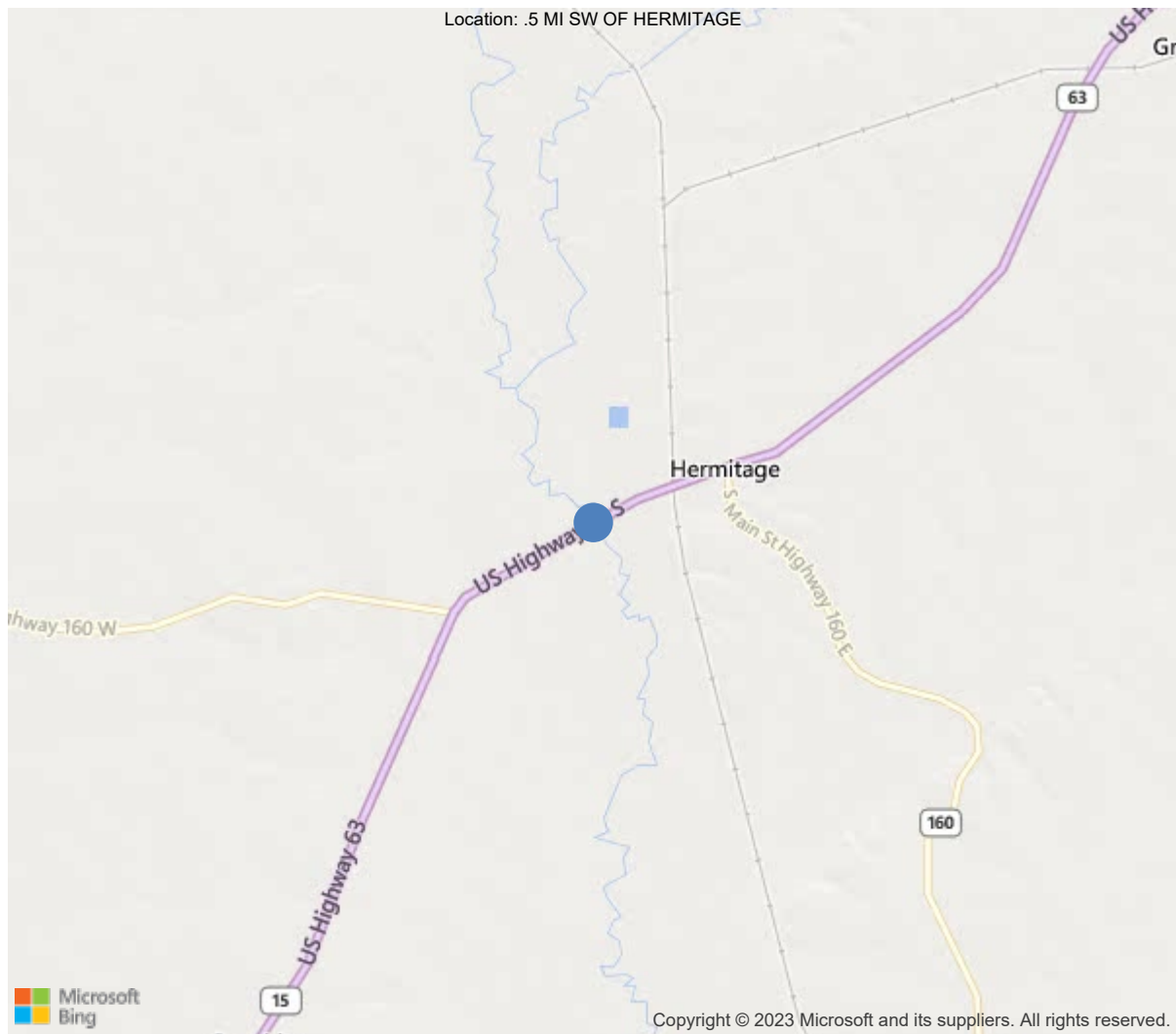
Latitude:33.44134, Longitude:-92.18583

Route:63 Section:17 Log:13.26

Arnold Road ID:6x63x17xA, Arnold Log mile:13.219

District 07, 11 - Bradley County

Owner: 1 - State Highway Agency



33.44134, -92.18583



Asset #05561 (Routine)

US 63 S-17 LM13.26 over L'AIGLE CREEK

Location: .5 MI SW OF HERMITAGE

Team Lead: Rickie Bratton, Inspection Date: 09/06/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05561
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	11 - Bradley County
(4) Place Code	0
(6) Features Intersected	L'AIGLE CREEK
(7) Facility Carried	US 63 S-17 LM13.26
(9) Location	.5 MI SW OF HERMITAGE
(11) Mile Point	13.26 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063170
(16) Latitude	33.4413421325511
(17) Longitude	-92.1858314847946
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	9
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1977
(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	2400
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	48 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	315 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	30 ft
(52) Deck Width Out to Out	32.7 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	31.5 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	6
(60) Substructure	6
(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	7
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(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	2938
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/06/2022		
(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>			



General Observation (False)

Logged east to west.

49 - Structure Length (315)

09/24/2020 JPR -- Structure Length = (35' x 9 Reinforced Slab Spans = 315') per plans.

51 - Bridge Roadway Width Curb-To-Curb (30)

09/24/2020 JPR -- Bridge Roadway Width Curb-to-Curb = (15.0' x 2 = 30.0') per plans.

52 - Deck Width (32.7)

Deck Width = (16.33 x 2 = 32.66' or 32.7') per plans.

A-46 - Asset Files

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Team Lead: Rickie Bratton, **Inspection Date:** 09/06/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	10288	9972	316	0	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1090	Exposed Rebar	SF	13	0	13	0	0
1120	Efflorescence/Rust Staining	SF	40	0	40	0	0
1130	Cracking (RC and Other)	SF	262	0	262	0	0
(38) Top side has 151' of cracks, diagonal at each bent, span 5 has a few transverse cracks. Bottom side spans 2, 3, 4, 5, 7, 8, and 9 has 41' of eff. 09/24/2020 JPR -- RC Slab deck area = (315' x 32.66' = 10288 sq.ft.) per plans.							
215	Reinforced Concrete Abutment	LF	79.2	79.2	0	0	0
(215) 09/24/2020 JPR -- Reinforced Concrete Abutment = (19.79' x 2 = 39.58' x 2 = 79.2') per plans.							
227	Reinforced Concrete Pile	EA	48	30	18	0	0
1190	Abrasion/Wear (PSC/RC)	EA	18	0	18	0	0
(227) Bents 3-5 have light abrasion to piles. 09/24/2020 JPR -- Reinforced Concrete Piles = (6 piles/bent x 8 bents) = 48 piles per plans.							
234	Reinforced Concrete Pier Cap	LF	264	252	7	5	0
1080	Delamination/Spall/Patched Area	LF	3	0	2	1	0
1090	Exposed Rebar	LF	8	0	4	4	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234) 09/24/2020 JPR -- Reinforced Concrete Pier Cap = (33' x 8 = 264') of caps per plans.							
301	Pourable Joint Seal	LF	262	1	261	0	0
2310	Leakage	LF	261	0	261	0	0
(301) 09/24/2020 JPR -- Pourable Joint Seal = (32.66' x 8 joints = 261.28' or 261') per plans.							
331	Reinforced Concrete Bridge Railing	LF	630	630	0	0	0
(331) 09/24/2020 JPR -- Reinforced Concrete Bridge Railing = (315' x 2 = 630') of bridge railing per plans.							



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Location: .5 MI SW OF HERMITAGE

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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	79.2	79.2	0	0	0
(215) 09/24/2020 JPR -- Reinforced Concrete Abutment = (19.79' x 2 = 39.58' x 2 = 79.2') per plans.							
227	Reinforced Concrete Pile	EA	48	30	18	0	0
1190	Abrasion/Wear (PSC/RC)	EA	18	0	18	0	0
(227) Bents 3-5 have light abrasion to piles. 09/24/2020 JPR -- Reinforced Concrete Piles = (6 piles/bent x 8 bents) = 48 piles per plans.							
234	Reinforced Concrete Pier Cap	LF	264	252	7	5	0
1080	Delamination/Spall/Patched Area	LF	3	0	2	1	0
1090	Exposed Rebar	LF	8	0	4	4	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234) 09/24/2020 JPR -- Reinforced Concrete Pier Cap = (33' x 8 = 264') of caps per plans.							



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation.



Elevation.



Span 1 looking ahead @ deck overview.



Span 1 deck soffit.



Span 4 looking ahead @ deck overview.



Span 8 looking ahead @ deck overview.



Span 9 looking from Rt. to Lt. @ deck soffit.



Deck overview.



Span 5 soffit overview.



Roadway



Approach roadway Westbound.



Deck overview.



Span 1 diagonal crack



Right side bent 9 cap spall with exposed rebar.



Span 7, crack with efflorescence.



Overview of active slope erosion, 5 foot deep by 50 long.



Span 9 crack



Approach roadway.



Abutment 10, minor slope erosion.



Spans 1 and 2, right of structure, slope erosion.



Elevation.



Span 9, longitudinal and diagonal cracks .



Profile



Span 9 soffit has cracks with efflorescence.



Span 7 soffit has exposed rebar.



Deck span 7 at bent 8 exposed rebar in the deck.



Span 4 soffit left side exposed rebar.



Bent 9 cap right side spall with exposed rebar.



Bent 8 cap bottom has spalls with exposed rebar.



Bent 4 cap bottom has spalls with exposed rebar.



Bent 2 cap left side spall with exposed rebar.

Maintenance Needs

Date Reported: 09/19/2012
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Poured Joint Material, all spans has degraded and is allowing dirt and debris to fill the joints, also allowing water and debris onto caps.

Remarks



Bent 4 joint material

Date Reported: 09/05/2018
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Assigned
Component:

Deficiency Description

Slope on right side of structure at spans 1 and 2 has active erosion, with in 10 feet of pile at bent 2.

Remarks



Spans 1 and 2, right of structure, slope erosion.



Overview of active slope erosion, 5 foot deep by 50 long.

Date Reported: 09/05/2018
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Abutment 2, minor slope erosion.

Remarks



Abutment 10, minor slope erosion.

Date Reported: 03/24/2021
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 1 - Clean
Status: Monitor
Component: Deck

Deficiency Description

Span 9 both gutter lines have water standing in the gutter lines for almost entire span.

Remarks



Span 9 both gutter lines have water standing in the gutter lines for almost entire span.



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Date Reported: 09/06/2022

Priority: D- Routine

Type of Work: Replace (General)

Status: Open

Component:

Deficiency Description

Log mile signs posted backwards.

Remarks



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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	



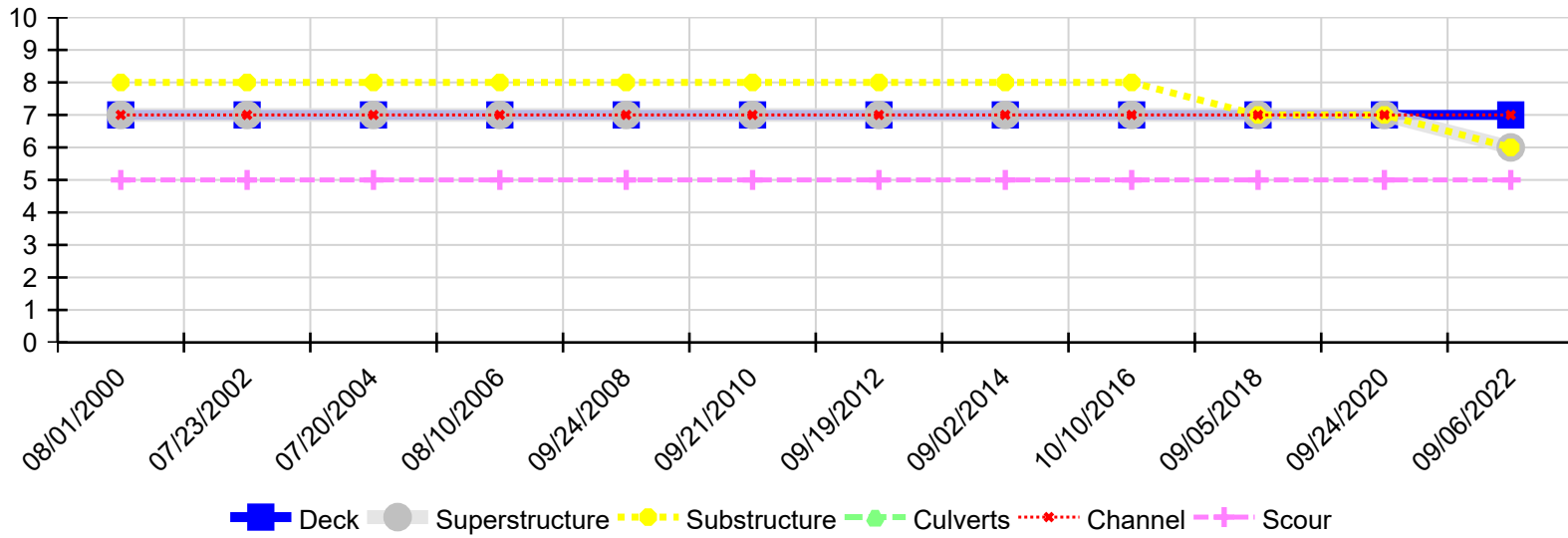
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/06/2022	7	6	6	N	7	5
09/24/2020	7	7	7	N	7	5
09/05/2018	7	7	7	N	7	5
10/10/2016	7	7	8	N	7	5
09/02/2014	7	7	8	N	7	5
09/19/2012	7	7	8	N	7	5
09/21/2010	7	7	8	N	7	5
09/24/2008	7	7	8	N	7	5
08/10/2006	7	7	8	N	7	5
07/20/2004	7	7	8	N	7	5
07/23/2002	7	7	8	N	7	5
08/01/2000	7	7	8	N	7	5