



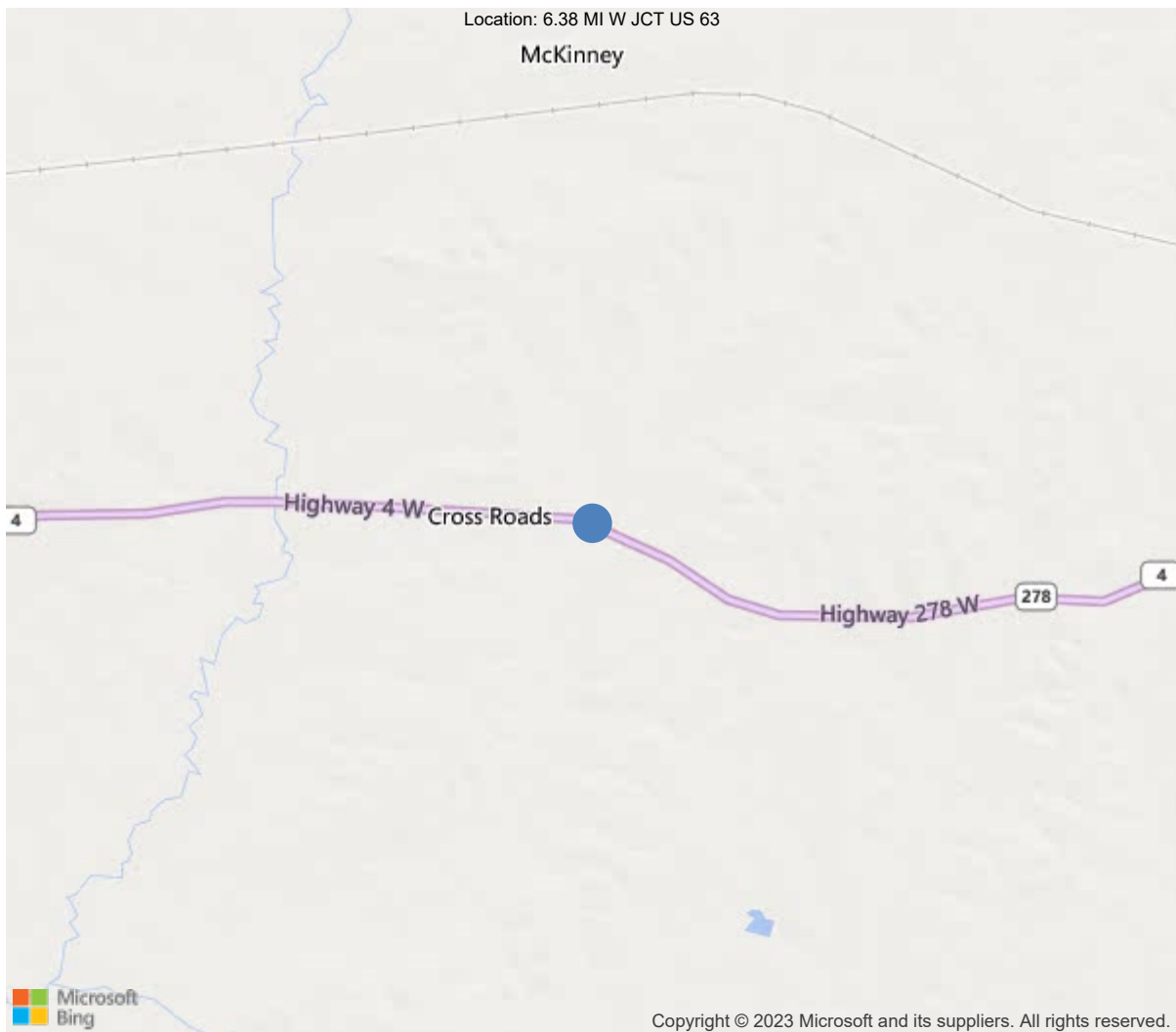
Latitude:33.60245, Longitude:-92.17692

Route:278 Section:12 Log:9.858

Arnold Road ID:6x278x12xA, Arnold Log mile:9.785

District 07, 11 - Bradley County

Owner: 1 - State Highway Agency



33.60245, -92.17692



Asset #A0539(Routine)

US 278 S-12 LM9.85 over CAMP CREEK

Location: 6.38 MI W JCT US 63

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A0539
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	11 - Bradley County
(4) Place Code	0
(6) Features Intersected	CAMP CREEK
(7) Facility Carried	US 278 S-12 LM9.85
(9) Location	6.38 MI W JCT US 63
(11) Mile Point	9.858 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000278120
(16) Latitude	33.602448
(17) Longitude	-92.176918
(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	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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1954
(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	1500
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	100 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	26 ft
(52) Deck Width Out to Out	29.5 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	25.9 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	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	49
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	30
(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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined to
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	2044
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/07/2022		
(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 #A0539(Routine)

District: 07, County: 11 - Bradley County

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

51 - Bridge Roadway Width Curb-To-Curb (26)

06/23/2020 JPR -- Per plans Bridge Curb - Curb = (13.0' X 2 = 26')

52 - Deck Width (29.5)

06/23/2020 JPR -- Per plans, Bridge deck width or out - out = (14.75 x 2 = 29.5')

A-46 - Asset Files

-

General Observation (False)

Logged west to east.



Asset #A0539(Routine)

US 278 S-12 LM9.85 over CAMP CREEK

Location: 6.38 MI W JCT US 63

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2900	2823	67	10	0
1080	Delamination/Spall/Patched Area	SF	6	0	6	0	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	65	0	55	10	0
1130	Cracking (RC and Other)	SF	5	0	5	0	0
510	Wearing Surfaces	SF	2600	1272	1328	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	38	0	38	0	0
3220	Crack (Wearing Surface)	SF	1290	0	1290	0	0
(38) Spans 2 and 3 have asphalt patches.							
Soffit-All spans with light efflorescence, span 2 has small delam							
06/23/2020 JPR -- Per plans, Layout supersede Cross section plans. Layout Plans show curb width of 1'6"/side where the Cross Section plans show curb width of 1'9"/ side, therefore Out - Out = (26'0" + 1'6" + 1'6" = 29'0").							
215	Reinforced Concrete Abutment	LF	76	76	0	0	0
227	Reinforced Concrete Pile	EA	12	8	4	0	0
1190	Abrasion/Wear (PSC/RC)	EA	4	0	4	0	0
234	Reinforced Concrete Pier Cap	LF	89.2	69.2	11	9	0
1080	Delamination/Spall/Patched Area	LF	4	0	4	0	0
1090	Exposed Rebar	LF	9	0	0	9	0
1120	Efflorescence/Rust Staining	LF	7	0	7	0	0
(234) Caps have various places with exposed rebar.							
301	Pourable Joint Seal	LF	88.5	10.5	0	0	78
2350	Debris Impaction	LF	78	0	0	0	78
(301) Joints are overlaid.							
330	Metal Bridge Railing	LF	200	200	0	0	0

Team Lead: Rickie Bratton, **Inspection Date:** 06/07/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2900	2823	67	10	0
1080	Delamination/Spall/Patched Area	SF	6	0	6	0	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	65	0	55	10	0
1130	Cracking (RC and Other)	SF	5	0	5	0	0
510	Wearing Surfaces	SF	2600	1272	1328	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	38	0	38	0	0
3220	Crack (Wearing Surface)	SF	1290	0	1290	0	0
(38) Spans 2 and 3 have asphalt patches.							
Soffit-All spans with light efflorescence, span 2 has small delam							
06/23/2020 JPR -- Per plans, Layout supersede Cross section plans. Layout Plans show curb width of 1'6"/side where the Cross Section plans show curb width of 1'9"/ side, therefore Out - Out = (26'0" + 1'6" +1'6" = 29'0").							



Asset #A0539(Routine)

US 278 S-12 LM9.85 over CAMP CREEK

Location: 6.38 MI W JCT US 63

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





Approach.JPG





Roadway



Approach roadway Eastbound.



Deck



Span 1 Deck soffit.



Deck overview.



Span 2 soffit overview.



Profile



Elevation.



Span 2 @ C/L of bridge @ middle of span there is a 3' - 4' delamn on soffit of deck.



Bent 4 cap right end exposed rebar.



Bent 4 cap back cracks with efflorescence.

Maintenance Needs

Date Reported: 06/12/2012
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Bents 2,3 and 4 caps are cracked and spalled with exposed steel. With 100% section loss to the steel on bent 4 right end.

Remarks



Caps 2-4 spalls with exposed rebar on right ends.



Asset #A0539(Routine)

US 278 S-12 LM9.85 over CAMP CREEK

Location: 6.38 MI W JCT US 63

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

Date Reported: 06/15/2016
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Minor rail damage right side back of abutment 1.

Remarks



Date Reported: 12/01/2020
Priority: D- Routine
Type of Work: Repair (General)
Status: Monitor
Component: Channel

Deficiency Description

Abutment 1 erosion goes back under the abutment cap.

Remarks



Abutment 1 erosion



Abutment 1 erosion goes back under the abutment cap.



Asset #A0539(Routine)

US 278 S-12 LM9.85 over CAMP CREEK

Location: 6.38 MI W JCT US 63

Team Lead: Rickie Bratton, Inspection Date: 06/07/2022

Routine Maintenance

Check Box Maintenance Items

Data Field	Value
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 - Hydo and LMC Advised	