



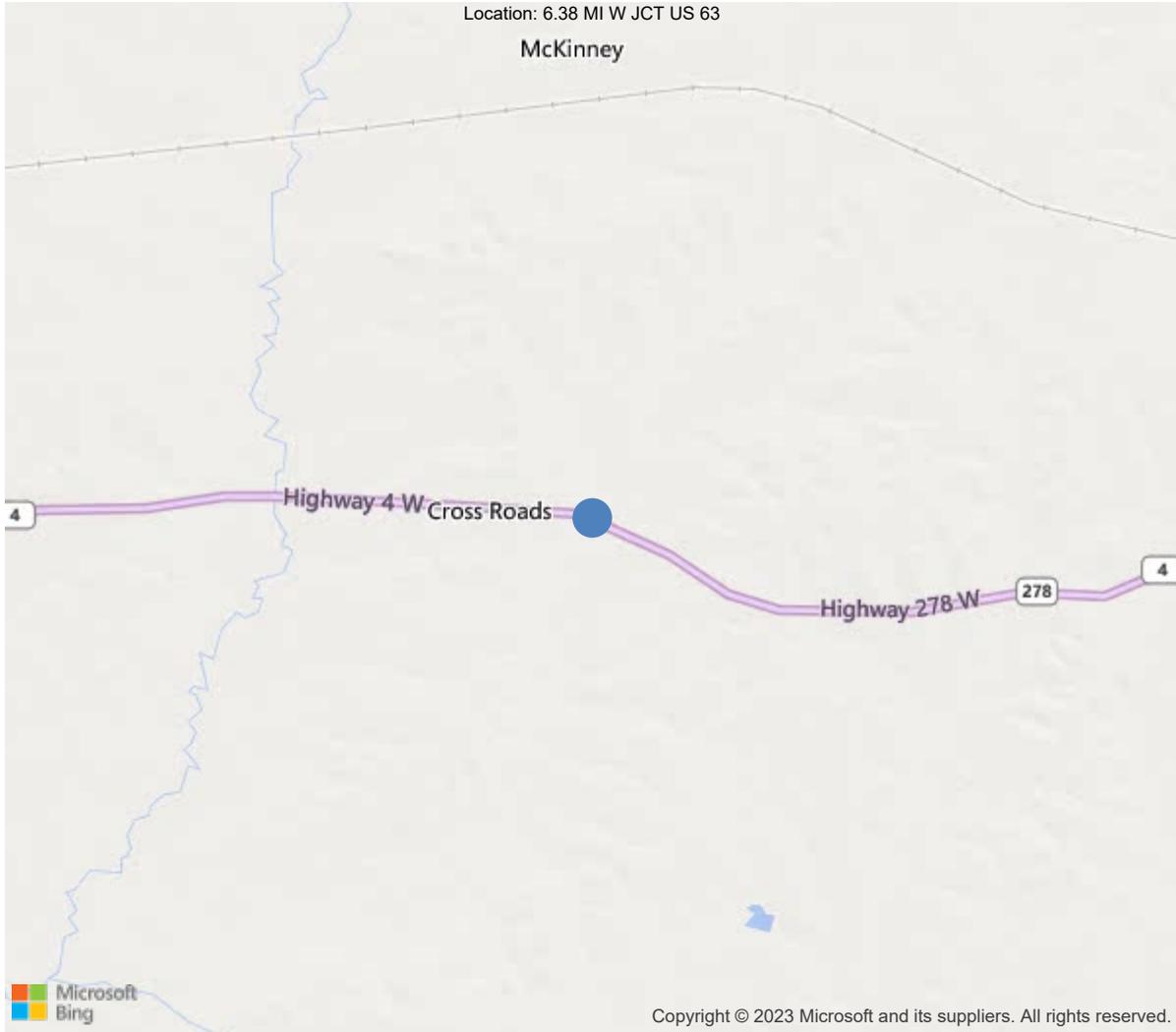
Latitude:33.60245, Longitude:-92.17692

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



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			
* 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 #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
<p>(38) Spans 2 and 3 have asphalt patches.</p> <p>Soffit-All spans with light efflorescence, span 2 has small delam</p> <p>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").</p>							
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
<p>(234) Caps have various places with exposed rebar.</p>							
301	Pourable Joint Seal	LF	88.5	10.5	0	0	78
2350	Debris Impaction	LF	78	0	0	0	78
<p>(301) Joints are overlaid.</p>							
330	Metal Bridge Railing	LF	200	200	0	0	0



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
<p>(38) Spans 2 and 3 have asphalt patches.</p> <p>Soffit-All spans with light efflorescence, span 2 has small delam</p> <p>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").</p>							



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
----------	-------------	-------	-------	-----	-----	-----	-----



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

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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.							





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.

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	