



Latitude:34.87499, Longitude:-92.11837

Route:28910 Section:00 Log:1.4

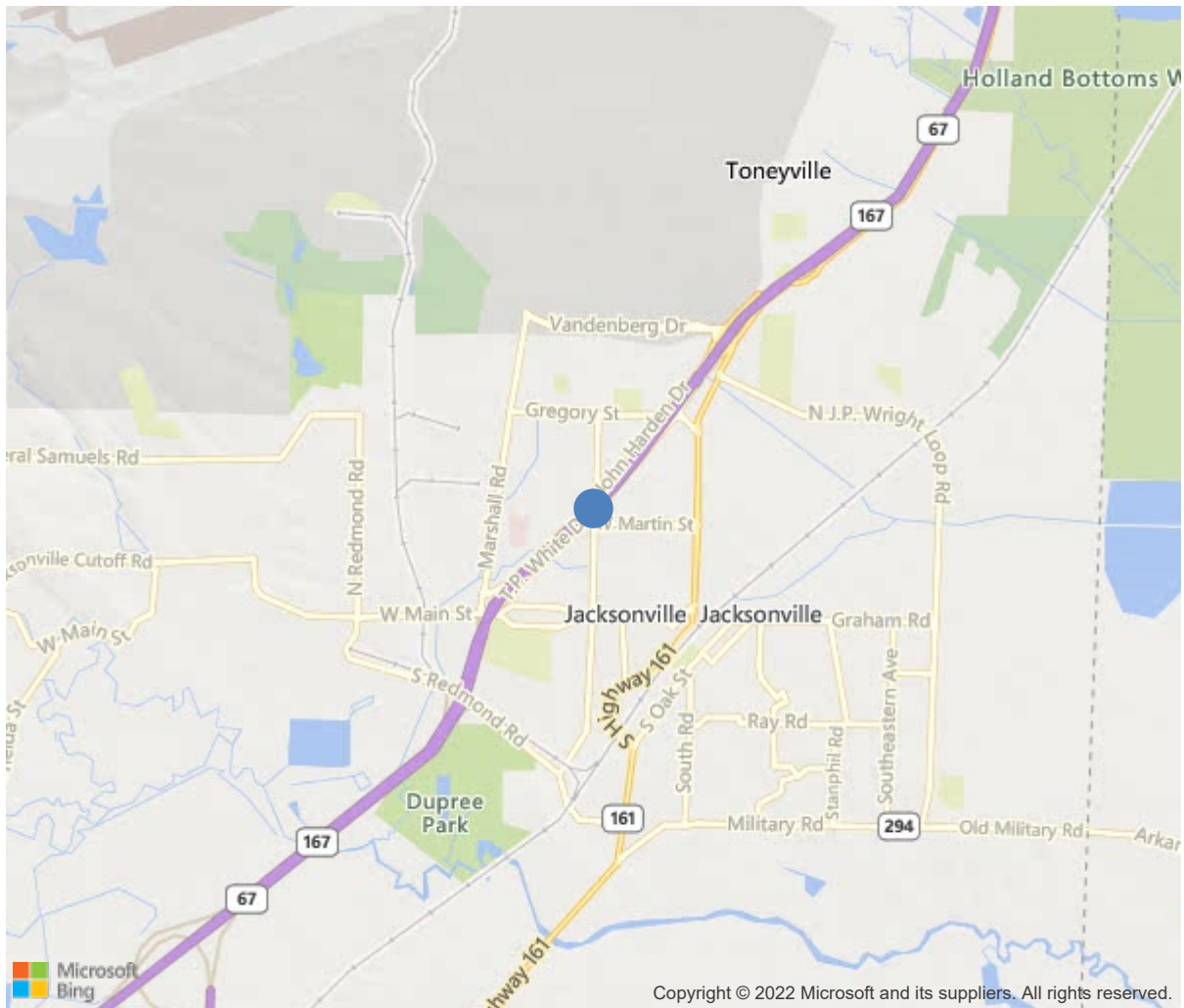
Arnold Road ID:60xNJAMESSTx1xA, Arnold Log mile:0.536

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 34750 - Jacksonville

.80 MI N MAIN ST JACKSONV



34.87499, -92.11837

Inspection Direction : E to W



Bridge #03079(Routine)

JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris Inspection Date: March 21, 2022

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03079
(5) Inventory Route	28910
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	34750
(6) Features Intersected	US 67-SEC 10 LOG 9.81
(7) Facility Carried	JAMES STREET
(9) Location	.80 MI N MAIN ST JACKSONV
(11) Mile Point	1.4 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.874989
(17) Longitude	-92.11837
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
Type	2-Stringer/Multi-beam or girder
(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 placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1958
(106) Year Reconstructed	0
(42) Type of Service	61
On	6-Overpass structure at an interchange or secon
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	7326
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	60 ft
(49) Structure Length	233 ft
(50) Curb or Sidewalk Width	
Left	3.9 ft
Right	3.9 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	38 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0-No median
(34) Skew	44 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	27.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	15.42 ft
Ref:	
(55) Min Lat Underclear RT	9.7 ft
Ref:	
(56) Min Lat Underclear LT	5 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	1-Navigation protection not requ
(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	16-Urban Minor Arterial
(100) Defense Highway	0-The inventory route is not a S
(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 part of
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	6
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	N
(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	4
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	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	4
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(113) Scour Critical Bridges	N-Bridge not over waterway.
PROPOSED IMPROVEMENTS	
(75) Type of Work	Bridge rehabilitation because
(76) Length of Structure Improvement	233 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 397
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	11275
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			03/2022
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	Yes		06/2020
* 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.			



Bridge #03079(Routine)

JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris, Inspection Date: March 21, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7342	2257	5012	73	0
1080	Delamination/Spall/Patched Area	SF	279	0	212	67	0
1090	Exposed Rebar	SF	6	0	0	6	0
1190	Abrasion/Wear (PSC/RC)	SF	4800	0	4800	0	0
(12)	State forces have sealed cracks and patched some areas of the deck. Scattered spalls in all spans. Both mines have minor abrasion/wear						
107	Steel Open Girder/Beam	LF	1150	526	254	370	0
1000	Corrosion	LF	612	0	250	362	0
7000	Damage	LF	12	0	4	8	0
515	Steel Protective Coating	SF	10143	0	3409	3409	3325
3440	Effectiveness (Steel Protective Coatings)	SF	10143	0	3409	3409	3325
(107)	All of the beams ends have active corrosion with pitting to 1/8 to 3/16 inch deep on the bottom of the bottom flanges and lower webs. Traffic impact to beams 3,4 & 5. Minor scrapes to bottom flange of beams 3 & 4. Beam 5 has gouge and miss alignment up to 1" to bottom flange. 3/4/2020 CDDC497 Span 3, girder 5: traffic impact has caused the bottom flange and cover plate to crack almost completely through and the crack has propagated to the web approximately 8" in length. Girders 3 and 4 have been impacted but no real distortion. Repairs were made 6/18/2020. (Worst case)Span 3, girder 3: large area of measurable section loss to the bottom flange and lower web and at the haunch						
205	Reinforced Concrete Column	EA	6	5	1	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
(205)	Bent 3, left column has spalls						
215	Reinforced Concrete Abutment	LF	117	107	5	5	0
1090	Exposed Rebar	LF	3	0	0	3	0
1130	Cracking (RC and Other)	LF	7	0	5	2	0
(215)	Bent 1 has a horizontal crack at centerline over the center pile. Bent 5 left side has spall on left end of abutment and spall with exposed rebar in back back wall.						
234	Reinforced Concrete Pier Cap	LF	123	115	1	7	0
1080	Delamination/Spall/Patched Area	LF	1	0	0	1	0



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Team Lead: Keith Harris, Inspection Date: March 21, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1090	Exposed Rebar	LF	4	0	1	3	0
1130	Cracking (RC and Other)	LF	3	0	0	3	0
(234)	Bent 2 cap back face delams and cracks Bent 3, ahead face, left end. Spall with the exposed rebar.						
303	Assembly Joint with Seal	LF	195	0	195	0	0
2360	Adjacent Deck or Header	LF	175	0	175	0	0
2370	Metal Deterioration or Damage	LF	20	0	20	0	0
(303)	The cover plate at bent 4 has been bent in the past. All of the joints have small spalls along their length.						
311	Movable Bearing	EA	20	0	0	20	0
1000	Corrosion	EA	20	0	0	20	0
(311)	All of the bearings have active corrosion.The bearings at bents 1,2,3 and 5 have heavy corrosion.						
313	Fixed Bearing	EA	20	0	5	15	0
1000	Corrosion	EA	20	0	5	15	0
(313)	All of the bearings have active corrosion.The bearings at bents 1,2,3 and 5 have heavy corrosion.						
330	Metal Bridge Railing	LF	466	466	0	0	0
331	Reinforced Concrete Bridge Railing	LF	466	288	178	0	0
1130	Cracking (RC and Other)	LF	178	0	178	0	0



Elevation



Approach



Span 3 soffit view



Deck overview



Typical paint condition



Both mines have minor abrasion/wear

Maintenance Needs

Date Reported: 04/10/2012
Priority: C - Important
Type of Work: N/A
Status: Monitor
Inspection Direction E to W
Component: 107 - Steel Open Girder/Beam

Deficiency Description

All of the beams ends have active corrosion with pitting to 1/8 to 3/16 inch deep on the bottom of the bottom flanges and lower webs.

(Worst case)Span 3, girder 3: large area of measurable section loss to the bottom flange and lower web and at the haunch.

Remarks



Bent1 beam 4 up to 3/16" pitting to bottom flange at bearing area.



Span 4, girder 1 at bent 5: laminating rust to haunch area.



Span 3, girder 3: large area of measurable section loss to the bottom flange and lower web and at the haunch



Bent 5 beam corrosion in haunch area with pitting up to 3/16"

Date Reported: 04/10/2012
Priority: C - Important
Type of Work: Repair
Status: Monitor
Inspection Direction E to W
Component: 313 - Fixed Bearing

Deficiency Description

Bearings at Bents 1 & 5 heavy to severe corrosion. All bearings have moderate to heavy corrosion.

Remarks



Bent 1 beam 5 bearing has corrosion.



Bent 1, girder 5 bearing with extensive corrosion.
Common to all bearings on this bridge.



Bent 5 bearing 4 corrosion

Date Reported: 03/24/2014
Priority: C - Important
Type of Work: None
Status: Monitor
Inspection Direction E to W
Component:

Deficiency Description

Bent 5 left side spall at left end of abutment, 1" crack & spall exposed rebar in back wall.

Remarks



Left side of bent 5 has 1" crack and large spall with exposed rebar



Bent 5 left side spall at left end of abutment, 1" crack & spall exposed rebar in back wall.



Bridge #03079(Routine)
JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris Inspection Date: March 21, 2022

Date Reported: 03/08/2018
Priority: C - Important
Type of Work: None
Status: Repair Documented
Inspection Direction E to W
Component:

Deficiency Description

Span 3 beam 5 has traffic impact damage to lower flange and web. See photo

Remarks



Span 3 beam 5 has been repaired



Bridge #03079(Routine)
JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris Inspection Date: March 21, 2022

Date Reported: 03/04/2020
Priority: C - Important
Type of Work: None
Status: Monitor
Inspection Direction E to W
Component: 12 - Reinforced Concrete Deck

Deficiency Description

All spans have spalls in driving surface

Remarks



Span 2 has been patched.



Span 3 spalls in deck



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JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris Inspection Date: March 21, 2022

Date Reported: 03/21/2022
Priority: B - Pressing; 6 month completion goal
Type of Work: Repair
Status: Open
Inspection Direction E to W
Component: Deck

Deficiency Description

Span 3 delam between beams 3&4 over shoulder and yellow line.

Remarks



Span 3 delam between beams 3&4 over shoulder
and yellow line.



Bridge #03079(Routine)
JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris Inspection Date: March 21, 2022

Date Reported: 03/21/2022

Priority: D- Routine

Type of Work: Repair

Status: Open

Inspection Direction E to W

Component:

Deficiency Description

Erosion has undermined the left side of slope paving at bent 1.

Remarks



Erosion has undermined the left side of slope
paving at bent 1.



Bridge #03079(Routine)

JAMES STREET over US 67-SEC 10 LOG 9.81

Location: .80 MI N MAIN ST JACKSONV

Team Lead: Keith Harris **Inspection Date:** March 21, 2022

Inspection Comments

Job #6507, Drawing #9282 for layout.

Logged Westbound.