



Latitude:34.88714, Longitude:-92.10706

Route:67 Section:10 Log:10.888

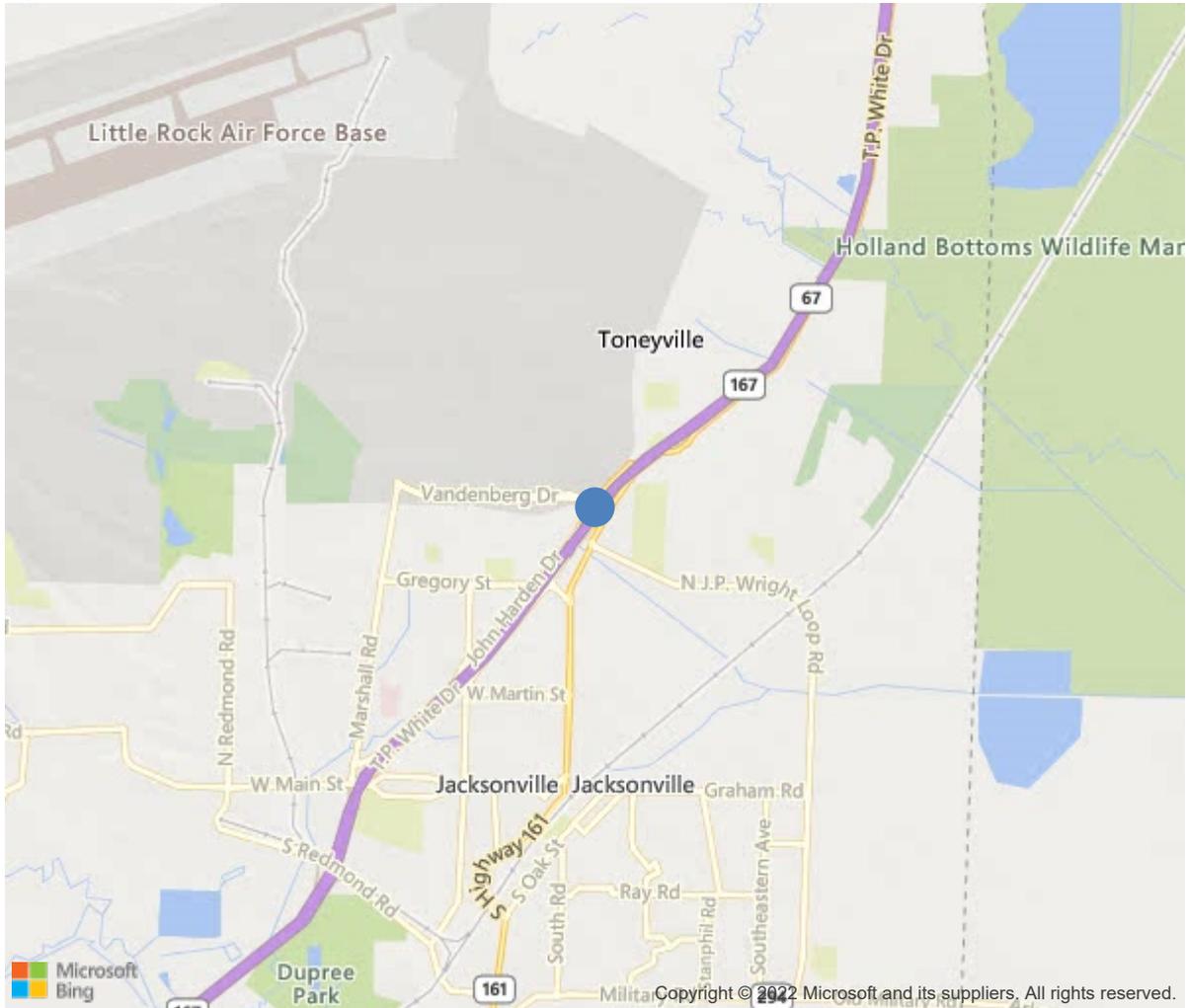
Arnold Road ID:60x67x10xB, Arnold Log mile:4.441

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 34750 - Jacksonville

LRAF BASE EXIT



34.88714, -92.10706

Inspection Direction : S to N



Bridge #03080(Routine)

US 67 SB Log 10.89 over SH 161

Location: LRAF BASE EXIT

Team Lead: Keith Harris Inspection Date: March 03, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03080
(5) Inventory Route	67
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	34750
(6) Features Intersected	SH 161
(7) Facility Carried	US 67 SB Log 10.89
(9) Location	LRAF BASE EXIT
(11) Mile Point	10.888 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067100
(16) Latitude	34.88714
(17) Longitude	-92.10706
(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	3
(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	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	13000
(30) Year of ADT	2018
(109) Truck ADT	13 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	64 ft
(49) Structure Length	152 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	33.5 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	30.8 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	14.67 ft
Ref:	
(55) Min Lat Underclear RT	2.5 ft
Ref:	
(56) Min Lat Underclear LT	2.5 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	1
(26) Functional Class	12-Urban Principal Arterial - Oth
(100) Defense Highway	2-The inventory route is on a No
(101) Parallel Structure	L-The left structure of parallel
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	1-The inventory route is part of the
(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	5
(59) Superstructure	6
(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	3
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	2
(69) Clearances, Vertical/Horizontal	2
(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	Replacement of bridge or other
(76) Length of Structure Improvement	182 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 190
(96) Total Project Cost	\$ 612
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	37000
(115) Year of Future ADT	2033

INSPECTIONS *			
(90) Inspection Date			03/2021
(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		03/2018

* 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 #03080(Routine)

US 67 SB Log 10.89 over SH 161

Location: LRAF BASE EXIT

Team Lead: Keith Harris, Inspection Date: March 03, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4275	3547	570	158	0
1080	Delamination/Spall/Patched Area	SF	189	0	170	19	0
1090	Exposed Rebar	SF	4	0	0	4	0
1130	Cracking (RC and Other)	SF	535	0	400	135	0
(12)	Span 3 had approximately 30 sf of spall at the right shoulder. All spans have large sized cracks that have been sealed.						
107	Steel Open Girder/Beam	LF	750	250	425	75	0
1000	Corrosion	LF	500	0	425	75	0
515	Steel Protective Coating	SF	6593	0	2200	3778	615
3410	Chalking (Steel Protective Coatings)	SF	5093	0	2200	2278	615
3420	Peeling/Bubbling/Cracking	SF	1500	0	0	1500	0
(107)	Active rust at beam ends near the deck haunches. All beams at the bottom flanges have scattered areas of active rust with minor pitting.						
205	Reinforced Concrete Column	EA	4	3	0	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
(205)	Bent 3 right column has a spall.						
215	Reinforced Concrete Abutment	LF	78	0	0	78	0
1080	Delamination/Spall/Patched Area	LF	78	0	0	78	0
(215)	Both back walls are broken and are leaning against the beam ends. The top of back walls at both abutment have large spalls.						
234	Reinforced Concrete Pier Cap	LF	58	58	0	0	0
303	Assembly Joint with Seal	LF	124	0	106	18	0
2370	Metal Deterioration or Damage	LF	124	0	106	18	0
(303)	Bent 4 had 6 feet of cover plate missing. Bent 2 has 12 feet of cover plate missing. All adjacent deck was cracked and spalled. Joint armor at bent 2 is loose under traffic.						
311	Movable Bearing	EA	15	0	5	10	0
1000	Corrosion	EA	5	0	5	0	0



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
2220	Alignment	EA	10	0	0	10	0
(311)	All bearings have active rust. Span 1 bearings at bent 2 are rotated forward.						
313	Fixed Bearing	EA	15	0	9	6	0
1000	Corrosion	EA	15	0	9	6	0
(313)	The bearings at bent 1 have laminating rust. All bearings have active rust.						
321	Reinforced Concrete Approach Slab	SF	700	685	0	15	0
1080	Delamination/Spall/Patched Area	SF	15	0	0	15	0
(321)	Areas with patching.						
330	Metal Bridge Railing	LF	300	40	260	0	0
1000	Corrosion	LF	260	0	260	0	0
515	Steel Protective Coating	SF	600	80	0	520	0
3440	Effectiveness (Steel Protective Coatings)	SF	520	0	0	520	0
(330)	All rail has freckled rust. The protective coating has limited effectiveness. The right side guardrail has been repaired						



Bent 2 12' of deck plate is missing



Deck overview



Span 2 left side spall with exposed rebar.



Low clearance looking east



Span 2 soffit view



Bent 1 typical bearing condition



Approach looking south



Low clearance sign west side of bridge



Low clearance sign east side of bridge



Typical paint condition



Bent 3 right column spalls.

Maintenance Needs

Date Reported: 04/24/2012
Priority: B - Pressing; 6 month completion goal
Type of Work: Replace
Status: Assigned
Inspection Direction S to N
Component:

Deficiency Description

Bent 1 and 4 abutments back walls are broke and leaning into bridge deck closing all deck joints.

Remarks



Bent 1 back wall broke and leaning against beams



Bent 1 abutment is leaning closing joint.

Team Lead: Keith Harris Inspection Date: March 03, 2021

Date Reported: 03/26/2014
Priority: C - Important
Type of Work: Repair
Status: Monitor
Inspection Direction S to N
Component:

Deficiency Description

Bearings at bent 1 abutment have heavy laminating rust, bearings on span 1 at bent 2 bearings on span 3 at bent 3 are fully rotated.

Remarks



Bent 1, girder 3: bearing with laminating rust. All bearings in similar condition



Bent 1 bearing 1 laminating rust



Span 3 bent 3 bearings are rotated

Team Lead: Keith Harris **Inspection Date:** March 03, 2021

Date Reported: 03/03/2021
Priority: C - Important
Type of Work: Repair
Status: Open
Inspection Direction S to N
Component:

Deficiency Description

Deck has spalls at every joint

Remarks



Spalls at bent 3

Date Reported: 03/03/2021

Priority: D- Routine

Type of Work: Repair

Status: Open

Inspection Direction S to N

Component:

Deficiency Description

Top of backwalls at bents 1 and 4 have spalls and spalls filled with asphalt.

Remarks



Bent 4 spall in top of back wall.

Date Reported: 03/03/2021

Priority: D- Routine

Type of Work: Repair

Status: Open

Inspection Direction S to N

Component:

Deficiency Description

Beam ends at haunch are have active rust with minor section loss.

Remarks



Bent 1 girder 5 active rust to bottom flange and haunch area.



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Team Lead: Keith Harris **Inspection Date:** March 03, 2021

Inspection Comments

See AHTD job # 6507 drawing # 9283 for layout. Logged North bound.