



Latitude:35.81871, Longitude:-90.73578

Route:226 Section:03 Log:5.34

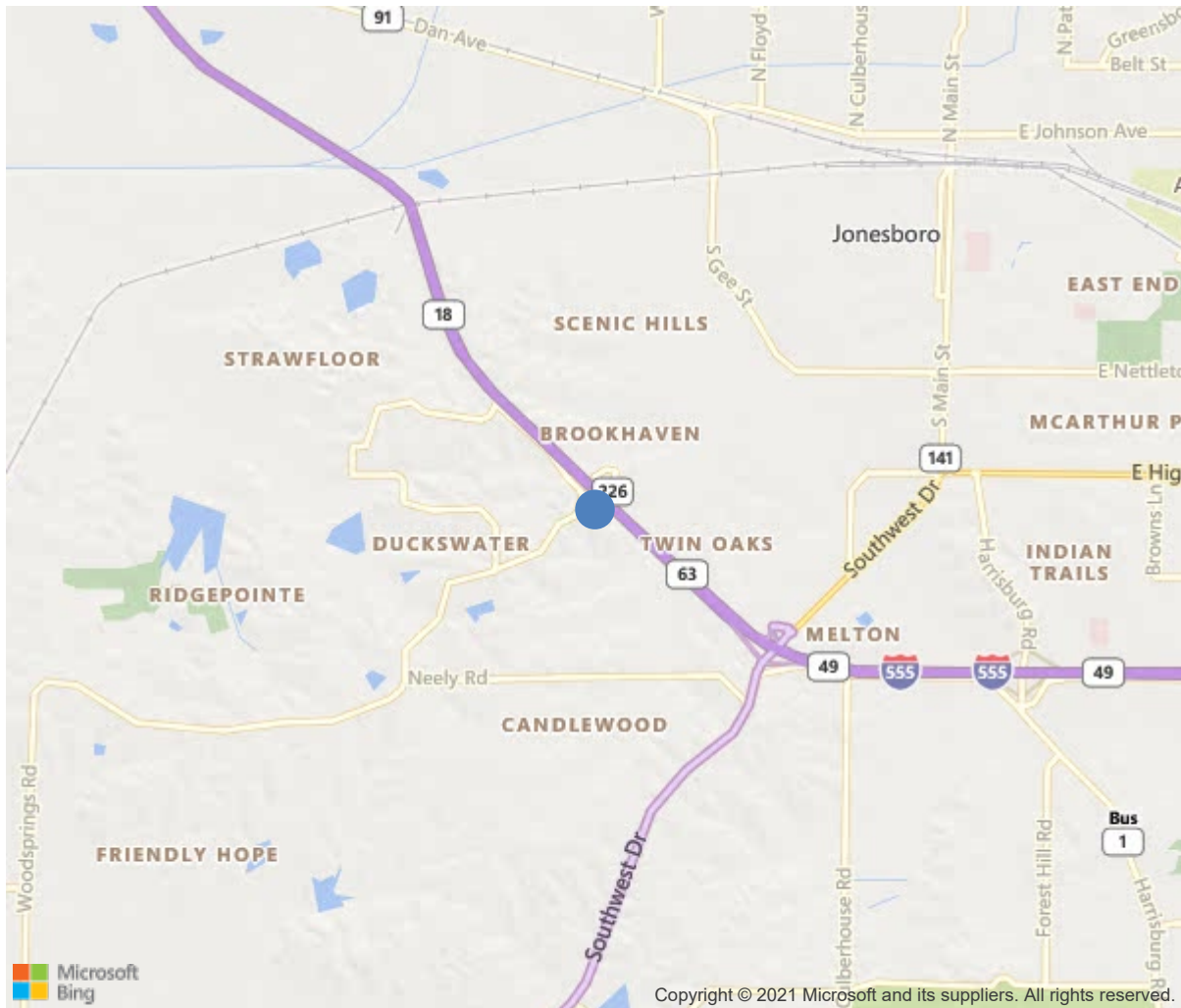
Arnold Road ID:16x226x3xA, Arnold Log mile:5.329

District 10, Craighead County

Owner: 1-State Highway Agency

Place Code: 34720 - JONESBORO

JCT US 63&SH 226



35.81871, -90.73578



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.
Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06581
(5) Inventory Route	226
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	34720
(6) Features Intersected	US 63 & W. Parker Rd.
(7) Facility Carried	SH 226 SEC 3
(9) Location	JCT US 63&SH 226
(11) Mile Point	5.34 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.81871
(17) Longitude	-90.73578
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	8
(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	1996
(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	8
(29) Average Daily Traffic	3942
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	100 ft
(49) Structure Length	723.4 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	20 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.22 ft
Ref:	
(55) Min Lat Underclear RT	21.8 ft
Ref:	
(56) Min Lat Underclear LT	8 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	5-None present but re-evaluation
(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	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	N
(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	42
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	8
Rating	25
(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	5
(69) Clearances, Vertical/Horizontal	7
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(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	
(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	8723
(115) Year of Future ADT	2027

INSPECTIONS *			
(90) Inspection Date			08/2020
(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	No		
* 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 #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones, Inspection Date: August 18, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	30840	28593	2247	0	0
1120	Efflorescence/Rust Staining	SF	433	0	433	0	0
1130	Cracking (RC and Other)	SF	1814	0	1814	0	0
107	Steel Open Girder/Beam	LF	3600	3600	0	0	0
515	Steel Protective Coating	SF	50153	49902	0	251	0
3440	Effectiveness (Steel Protective Coatings)	SF	251	0	0	251	0
205	Reinforced Concrete Column	EA	14	14	0	0	0
215	Reinforced Concrete Abutment	LF	128	106	22	0	0
1130	Cracking (RC and Other)	LF	22	0	22	0	0
234	Reinforced Concrete Pier Cap	LF	287	217	70	0	0
1130	Cracking (RC and Other)	LF	70	0	70	0	0
300	Strip Seal Expansion Joint	LF	129	113	16	0	0
2350	Debris Impaction	LF	16	0	16	0	0
310	Elastomeric Bearing	EA	50	40	10	0	0
1000	Corrosion	EA	10	0	10	0	0
321	Reinforced Concrete Approach Slab	SF	1752	1589	0	163	0
1130	Cracking (RC and Other)	SF	163	0	0	163	0
331	Reinforced Concrete Bridge Railing	LF	1440	1197	243	0	0
1130	Cracking (RC and Other)	LF	243	0	243	0	0



Overall



Deck transverse cracks



Saw cut joints



Overhangs



strip seal



Bent 1 bearing 2



Span 6 splice 2 girder 5





typ undercuts



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

Maintenance Needs

Date Reported: 10/22/2012
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Approach

Deficiency Description

Approach slabs have several wide unsealed cracks.

Remarks



Beginning approach slab



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones **Inspection Date:** August 18, 2020

Date Reported: 10/22/2012
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Span 4 bay 1 diaphragm 5 has 1 diaphragm bolt missing at connection to girder 1.

Remarks



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 10/22/2012
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Substructure

Deficiency Description

Some settlement to concrete riprap at both abutments, 2" typical. Concrete wing walls have a few cracks.

Remarks



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.
Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 10/22/2012
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Deck

Deficiency Description

Poured joint material over saw cut joints has a few areas of missing seals.

Remarks

Date Reported: 10/30/2014
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Bottom flange of girders have a few areas of freckled rust near bearings.
Bent 1 bearings all have pack rust between plates above and below the elastomeric pad.

Remarks



Span 1 bent 1 girder 2 pack rust on all bearings
and all elastomeric pads are expanded at least 1".

Date Reported: 10/30/2014
Priority: D- Routine
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Span 5 bent 5 girder 4 earthquake restraint has one nut and washer pulling through bracket.

Remarks



Span 5 girder 4 bay 4 earthquake restraint bolt head pulled through bracket.



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020





Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.
Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 08/31/2016
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Deck

Deficiency Description

Span 6 bay 4 stay in place form has a 3' x 1' area of rust and section loss.

Remarks



Team Lead: Richard Jones **Inspection Date:** August 18, 2020

Date Reported: 09/19/2018
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Bent 2 bearing 1 is not welded to bottom flange of girder on Lt side.

Remarks



Bent 2 left side no weld.



Bridge #06581 (Routine)
SH 226 SEC 3 over US 63 & W. Parker Rd.

Location: JCT US 63&SH 226

Team Lead: Richard Jones Inspection Date: August 18, 2020

Inspection Comments

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Deck Notes

Approach slabs have several wide unsealed cracks.
Concrete bridge rails have several minor cracks. Some have efflorescence.
Deck has a few unsealed transverse and longitudinal cracks.
Strip seals have some debris impaction in gutters.
Poured joint material over saw cut joints has a few areas of missing seals.
Overhangs have a few transverse cracks with efflorescence. Some have rust stains near drain openings.
Span 6 bay 4 stay in place form has a 3 ft. x 1' area rusted with heavy section loss.

Superstructure Notes

Bottom flange of girders have a few areas of freckled rust near bearings.
Bearing welds between steel plate and bottom flange of girder have several undercuts.
Span1 bent 1 bearings all have pack rust between plates above and below the elastomeric pad.
Bent 2 bearing 1 is not welded to bottom flange of girder on Lt side.
Span 4 bay 1 diaphragm 5 has 1 diaphragm bolt missing at connection to girder 1.
Span 5 bent 5 girder 4 earthquake restraint has one nut and washer pulling through bracket.
Span 6 splice 2 girder 5 has 1 loose bolt on bottom flange. Diaphragm is blocking bolt.

Substructure Notes

All caps have hairline to minor sized vertical cracks at risers and lateral restraints.
Some settlement to concrete riprap at both abutments, 2" typical. Concrete wing walls have a few cracks.
Bent 6 cap has minor horizontal cracks on Lt end.
Bent 8 column 1 has a hairline ring crack 3' above ground line.