



Latitude:35.77172, Longitude:-91.65575

Route:69 Section:02 Log:1.24

Arnold Road ID:32x69x2BxA, Arnold Log mile:1.268

District 05, 63 - Independence County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

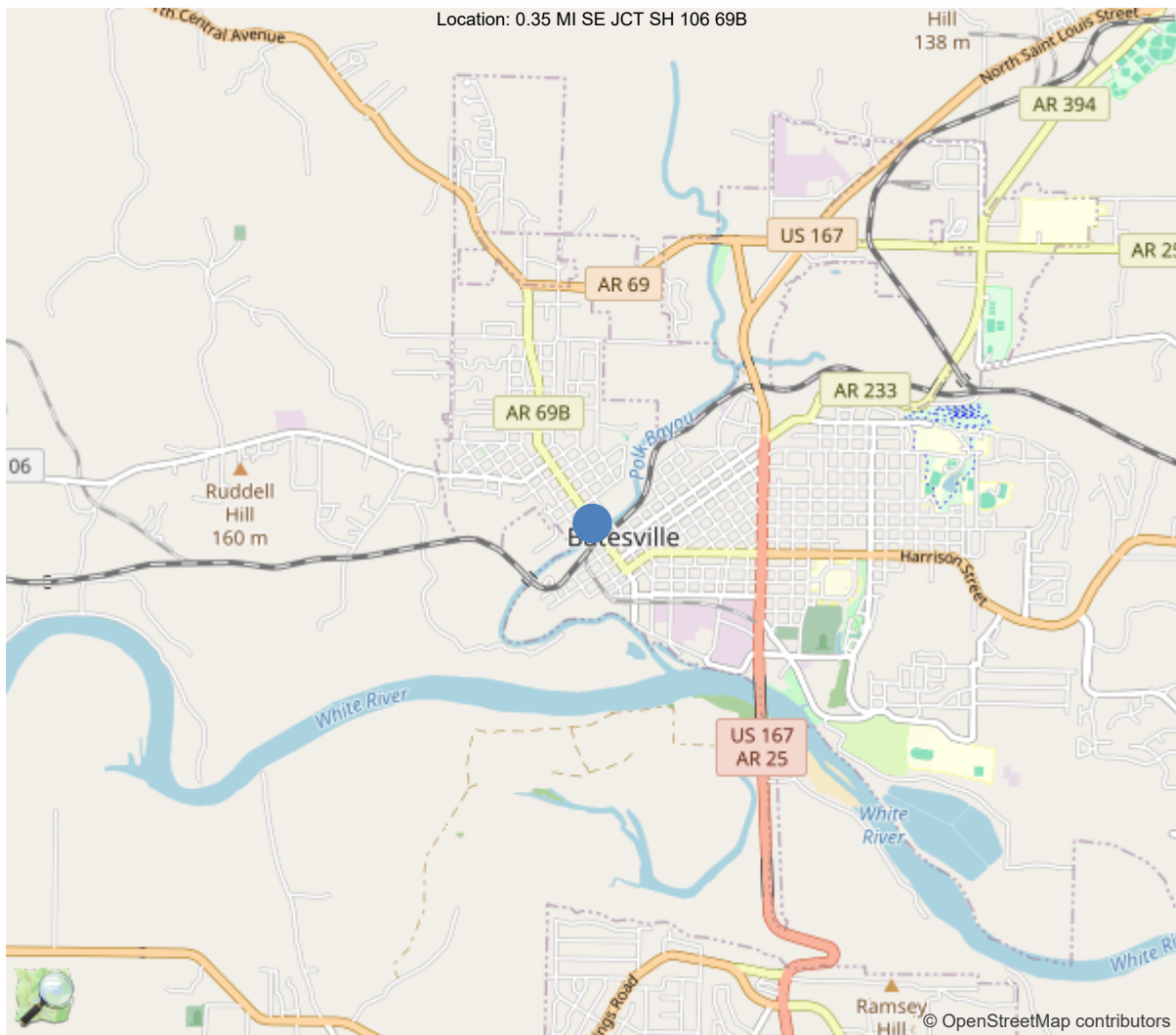
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	22		
Code 9 (31 Tons)	31		
Code 5 (40 Tons)	40		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



35.77172, -91.65575



Asset #M1275(Routine, Underwater type 2)

State Highway 69B over POLK BAYOU

Location: 0.35 MI SE JCT SH 106 69B

Team Lead: Nathan Edwards Inspection Date: 04/18/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1275
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	63 - Independence County
(4) Place Code	4030
(6) Features Intersected	POLK BAYOU
(7) Facility Carried	State Highway 69B
(9) Location	0.35 MI SE JCT SH 106 69B
(11) Mile Point	1.24 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	000006902B
(16) Latitude	35.771721
(17) Longitude	-91.655746
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	111
Material	1 - Concrete
Type	11 - Arch - Deck
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	5
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1930
(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	9200
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	80 ft
(49) Structure Length	397 ft
(50) Curb or Sidewalk Width	
Left	5 ft
Right	5 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	42.7 ft
(32) Approach Roadway Width (W/Shoulders)	29.9 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	40 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	16 - Urban 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	1 - Bridge is on the National
CONDITION	
(58) Deck	5
(59) Superstructure	5
(60) Substructure	6
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	31
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	19
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(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 t
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	10693
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/18/2023		
(91) Frequency	24		
(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.			



Asset #M1275(Routine, Underwater type 2)

State Highway 69B over POLK BAYOU

Location: 0.35 MI SE JCT SH 106 69B

Team Lead: Nathan Edwards **Inspection Date:** 04/18/2023

General Observation

Elevation with Log Mile running to the Left.

A-51 - Inspection Direction (1 - N to S)

Roadway with Log Mile running Northwest to Southeast.



Asset #M1275(Routine, Underwater type 2)

State Highway 69B over POLK BAYOU

Location: 0.35 MI SE JCT SH 106 69B

Team Lead: Nathan Edwards Inspection Date: 04/18/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	11870	10325	1072	473	0
1080	Delamination/Spall/Patched Area	SF	822	0	752	70	0
1090	Exposed Rebar	SF	13	0	6	7	0
1120	Efflorescence/Rust Staining	SF	190	0	164	26	0
1130	Cracking (RC and Other)	SF	430	0	150	280	0
1190	Abrasion/Wear (PSC/RC)	SF	90	0	0	90	0
510	Wearing Surfaces	SF	1260	1182	0	78	0
3210	Delam/Spall/Patched Area/Pothole	SF	70	0	0	70	0
3220	Crack (Wearing Surface)	SF	8	0	0	8	0
(16) Several unsealed cracks to deck at all spans. Patches, areas of scaling and minor spalls. Spall with 4' of exposed rebar in Left lane and spall with 2" of exposed rebar in Right lane. Spalls to Left and Right curbs and sidewalks.(55' #3) Efflorescent cracks to soffit & Left & Right overhangs at all spans. Concrete Diaphragms @ beginning & end of spans have large spalls with rebar exposed with severe s/l. (510-16) Potholed & patched areas in asphalt overlay at Spans 1 & 5.							
110	Reinforced Concrete Open Girder/Beam	LF	950	940	2	8	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	8	0	0	8	0
(110) Girders are in good condition. Concrete Diaphragms between girders have severe cracking, spalling and large amounts of exposed rebar with measurable section loss near all joints. See attached Form III for exact amounts and locations.							
144	Reinforced Concrete Arch	LF	1588	1377	87	124	0
1080	Delamination/Spall/Patched Area	LF	36	0	0	36	0
1090	Exposed Rebar	LF	91	0	60	31	0
1130	Cracking (RC and Other)	LF	84	0	27	57	0
(144) Arch Ribs have several Spalls with rebar exposed with minor to no section loss and some minor to moderate cracking. Spandrel Columns have Spalls with exposed rebar with measurable section loss to some and several with severe cracks. See attached Form III for exact locations and details. Spans 2, 3 & 5 have erosion to slope on Left &/or Right sides.							
210	Reinforced Concrete Pier Wall	LF	146	103	33	10	0
1190	Abrasion/Wear (PSC/RC)	LF	33	0	33	0	0
6000	Scour	LF	10	0	0	10	0
(210) Bent 3 has light scaling to bottom of Pier and minor drift. Bent 4 has minor scour to Left end and has a cable attached to the Left end running to a power pole to support the pole.							
215	Reinforced Concrete Abutment	LF	146	84	36	26	0

[illegible]



Elevation with Log Mile running to the Left.



Roadway with Log Mile running Northwest to Southeast.

Maintenance Needs

Date Reported: 03/09/2017

Priority: C - Important

Type of Work: Repair (General)

Status: Assigned

Component:

Deficiency Description

Several delaminated areas and small spalls with rebar exposed to arch ribs.

Span 2 - Arch rib 4 has large spall with 4' of rebar exposed near end of span.

Span 3 - Arch rib 2 has spall with 3.5' of rebar exposed near beginning of span.

Span 4 - Arch rib 2 has spall with 3' of rebar exposed at beginning of span.

Span 4 - Arch rib 4 has spall with 5' of rebar exposed at end of span.

Span 5 - Arch rib 1 has large spall with 5' of rebar exposed at end of span.

Span 5 - Arch Rib 4 has spall with 4' of rebar exposed at beginning of span.

Remarks



Arch Rib 1 at end of Span 5



Arch Rib 4 at end of Span 4



Arch Rib 4 at end of Span 2



Arch Rib 4 at beginning of Span 5



Arch Rib 1 at end of Span 3



Span 5 - Arch rib 1 has large spall with 5' of rebar exposed at end of span.



Span 5 - Arch Rib 4 has spall with 4' of rebar exposed at beginning of span.



Span 4 - Arch rib 4 has spall with 5' of rebar exposed at end of span.

Maintenance Needs

Date Reported: 03/09/2017

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component:

Deficiency Description

Large spalls with rebar exposed to concrete diaphragms at Bents 1 - 4.

Spalls with rebar exposed to soffit and overhangs.

Remarks



Concrete Diaphragms at Bent 3



Concrete Diaphragms at Bent 1



Concrete Diaphragms at Bent 2



Spall with exposed rebar to soffit between Arch Rib 2 & 3 near end of Span 5.



03/03/2021

Large spalls with rebar exposed to concrete diaphragms
at Bents 1 - 4.



03/03/2021

Spalls with rebar exposed to soffit and overhangs.



03/03/2021

Large spalls with rebar exposed to concrete diaphragms
at Bents 1 - 4.
Span 1.

Maintenance Needs

Date Reported: 03/09/2017

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component:

Deficiency Description

Cracked and delaminated areas, and spalls with rebar exposed to spandrel columns at all spans.

Remarks



Spandrel Column 7 at Arch Rib 3 Span 5



Spandrel Columns 8 & 9 at Arch Rib 1



Spandrel Column 10 at Arch Rib 3 at Span 2



Cracked and delaminated areas, and spalls with rebar exposed to spandrel columns at all spans.

Maintenance Needs

Date Reported: 03/09/2017

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component:

Deficiency Description

Spalls with rebar exposed to deck at Span 3 & 4
Unsealed cracks, areas of scaling, and spalls to deck at all spans.
Spalls and deterioration to curbs / sidewalks.
Poured joint seals are deteriorated, filled with debris and drain openings are plugged.

Remarks



Span 1 left lane



Spalls and deterioration to curbs / sidewalks.



Span 4 left lane



Right Curb at Span 5



Span 5



Typical poured joint.



Unsealed cracks, areas of scaling, and spalls to deck at all spans.



Poured joint seals are deteriorated, filled with debris and drain openings are plugged.



Spalls with rebar exposed to deck at Span 3 & 4
Span 3.

Maintenance Needs

Date Reported: 03/09/2017

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component:

Deficiency Description

Cable attached to bridge at Bent 4 and spandrel columns at Span 4.

Remarks



Cable at Bent 4



Cable attached to bridge at Bent 4 and spandrel columns at Span 4.



Asset #M1275(Routine, Underwater type 2)

State Highway 69B over POLK BAYOU

Location: 0.35 MI SE JCT SH 106 69B

Team Lead: Nathan Edwards Inspection Date: 04/18/2023

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
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 - Hydro and LMC Advised	Yes
A-63 - Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



Asset #M1275(Routine, Underwater type 2)

State Highway 69B over POLK BAYOU

Location: 0.35 MI SE JCT SH 106 69B

Team Lead: Nathan Edwards Inspection Date: 04/18/2023

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Girder Painting Needed

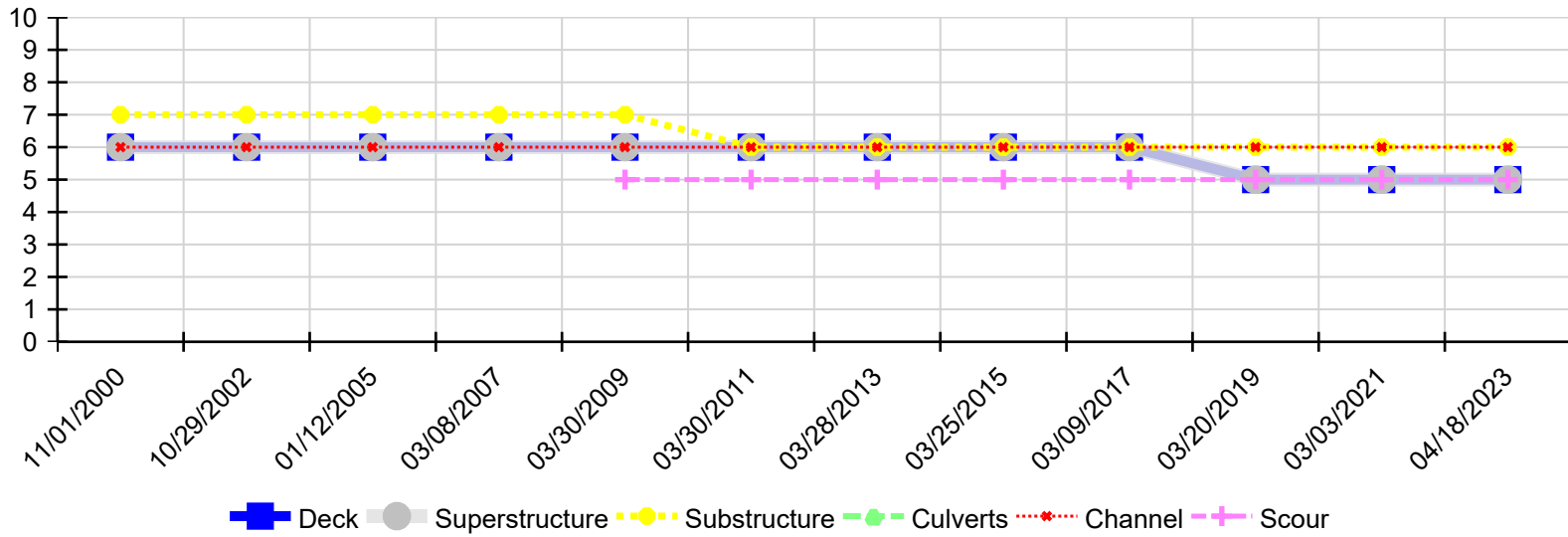
A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised (Yes)

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/18/2023	5	5	6	N	6	5
03/03/2021	5	5	6	N	6	5
03/20/2019	5	5	6	N	6	5
03/09/2017	6	6	6	N	6	5
03/25/2015	6	6	6	N	6	5
03/28/2013	6	6	6	N	6	5
03/30/2011	6	6	6	N	6	5
03/30/2009	6	6	7	N	6	5
03/08/2007	6	6	7	N	6	N
01/12/2005	6	6	7	N	6	N
10/29/2002	6	6	7	N	6	N
11/01/2000	6	6	7	N	6	N