

Bridge 00892 Inspection Report



Latitude:35.88643, Longitude:-92.23982

Route:66 Section:02 Log:11.827

Arnold Road ID:69x66x2xA, Arnold Log mile:11.838

District 05, 137 - Stone County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

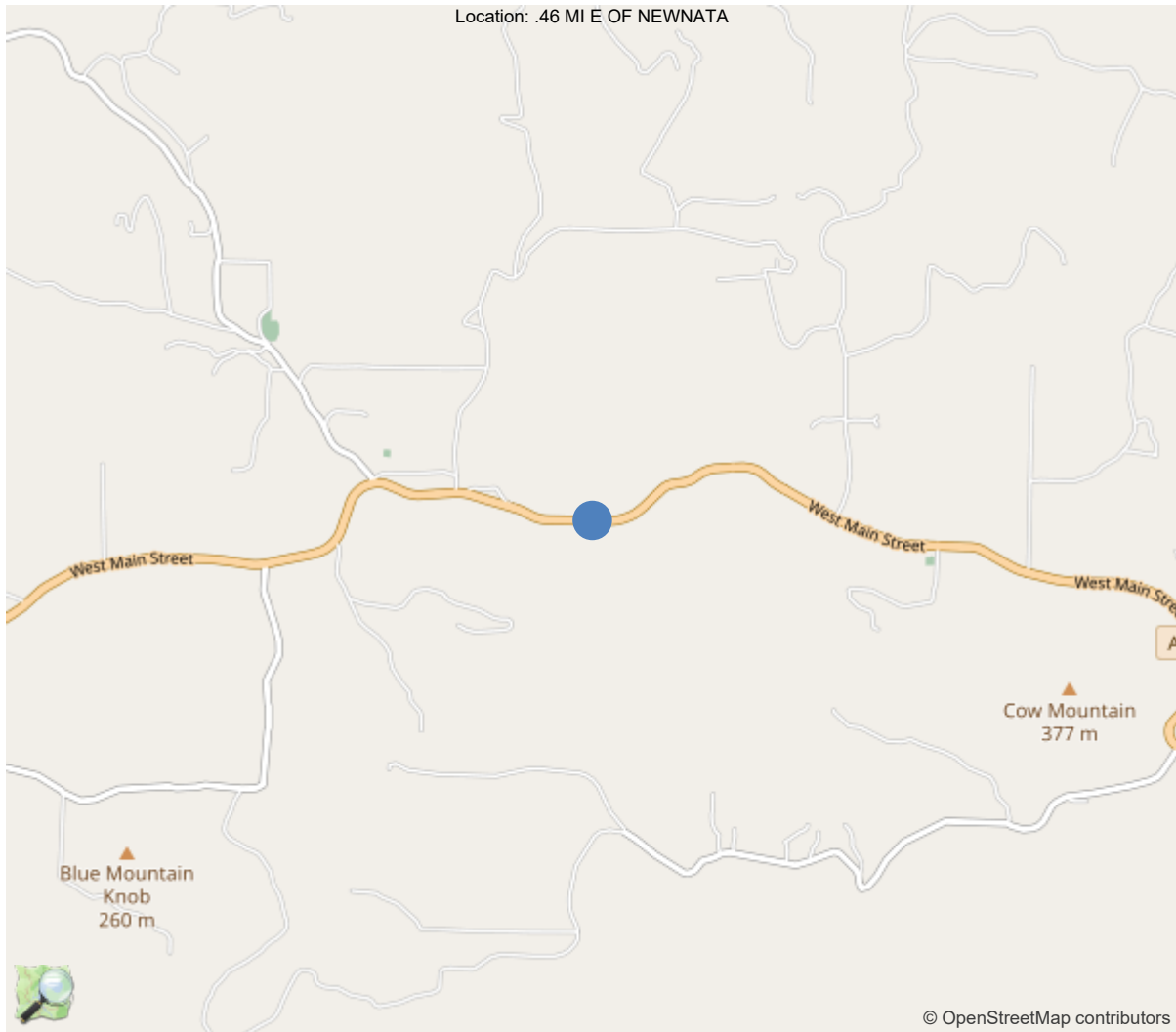
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	26		
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



35.88643, -92.23982

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	00892
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	137 - Stone County
(4) Place Code	0
(6) Features Intersected	S. SYLAMORE
(7) Facility Carried	SH 66/Stone County
(9) Location	.46 MI E OF NEWNATA
(11) Mile Point	11.827 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.88643
(17) Longitude	-92.23982
(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	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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1956
(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	2300
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	17 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	224 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	26.9 ft
(52) Deck Width Out to Out	27.7 ft
(32) Approach Roadway Width (W/Shoulders)	22 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	26.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	7 - Rural Major Collector
(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	6
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	7
(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	42
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
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	
(68) Deck Geometry	3
(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	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	258 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 125
(96) Total Project Cost	\$ 585
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	5698
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			10/07/2024
(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.			

Team Lead: Floyd Haley, Inspection Date: 10/07/2024

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	00892
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1956

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	137 - Stone County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	05 - District 05
B.L.05 Latitude	35.88643
B.L.06 Longitude	-92.23982
B.L.07 Border Bridge Number	
B.L.08 Border Bridge State or Country Code	
B.L.09 Border Bridge Insp. Resp.	
B.L.10 Border Bridge Designated Lead State	
B.L.11 Bridge Location	.46 MI E OF NEWNATA
B.L.12 Metropolitan Planning Organization	

CLASSIFICATION	
B.CL.01 Owner	S01 - State transportation departme
B.CL.02 Maint. Responsibility	S01 - State transportation departme
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	N - Bridge is not eligible for the
B.CL.05 Toll	N - Bridge does not carry a toll ro
B.CL.06 Emergency Evacuation Designation	

ROADSIDE HARDWARE	
B.RH.01A Bridge Railing Type	
B.RH.01B Bridge Railing Year (YY)	
B.RH.01C Bridge Railing Test Level	
B.RH.02A Transition Type	
B.RH.02B Transition Year (YY)	
B.RH.02C Transition Test Level	

BRIDGE GEOMETRY	
B.G.01 NBIS Bridge Length	220
B.G.02 Total Bridge Length	224.1
B.G.03 Max Span Length	27.9
B.G.04 Min Span Length	28
B.G.05 Bridge Width Out-to-Out	27.6
B.G.06 Bridge Width Curb-to-Curb	26.9
B.G.07 Left Curb or Sidewalk Width	1
B.G.08 Right Curb or Sidewalk Width	1
B.G.09 Approach Roadway Width	22

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	0
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	28
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	6175.5

LOADS AND LOAD RATING	
B.LR.01 Design Load	H15 - H-15
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	LFR - Load Factor Rating
B.LR.05 Inventory Load Rating Factor	0.69
B.LR.06 Operating Load Rating Factor	1.17
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	N - Bridge does not have complex fe

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	6 - SATISFACTORY - Widespread
B.C.02 Superstructure Condition	6 - SATISFACTORY - Widespread
B.C.03 Substructure Condition	5 - FAIR - Some moderate defec
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	7 - GOOD - Some minor defects.
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	N - NOT APPLICABLE - Bridge do
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
B.C.10 Channel Protection Condition	
B.C.11 Scour Condition Rating	7 - Some minor scour.
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	5 - FAIR - Some moderate defec
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	G - Good
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	0 - Scour appraisal has not been co
B.AP.04 Scour Plan of Action	0 - A scour POA is not required.
B.AP.05 Seismic Vulnerability	0 - Seismic evaluation not complete

SPAN SETS			
M1			
B.SP.02 # of Spans	8	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	1	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	C01 - Reinforced concrete - ca	B.SP.10 Wearing Surface	B01 - Bituminous (asphalt)
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	S01 - Slab - solid	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	0 - None	B.SP.13 Deck Stay-In-Place Forms	0 - None

SUBSTRUCTURE SETS			
A1			
B.SB.02 No. of Substructure Units	2	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	P01 - Pile - steel H-shape
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	7	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	B02 - Bent - column with web w	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
H1			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	2300
B.F.03 Feature Name	SH 66/Stone County	B.H.10 Annual ADTT	23
B.H.01 Functional Classification	5 - Major Collector	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	N - Non-NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	N - Not on the NHFN	B.H.14 Highway Min Horizontal Clearance, Left	
B.H.05 STRAHNET Designation	N - Not a STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID		B.H.16 Highway Max Usable Surface Width	25.9
B.H.07 LRS Mile Point	11.827	B.H.17 Bypass Detour Length	17
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	

HIGHWAY ROUTES					
Highway Parent	B.RT.01 Route Designation	B.RT.02 Route Number	B.RT.03 Route Direction	B.RT.04 Route Type	B.RT.05 Service Type
H1	R01	66	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline



Team Lead: Floyd Haley, Inspection Date: 10/07/2024

WATERWAY FEATURES

W1			
B.F.02 Feature Location	B - Below bridge	B.N.03 Movable Bridge Max Navigation Vertical Clearance	
B.F.03 Feature Name	S. SYLAMORE	B.N.04 Navigation Channel Width	
B.N.01 Navigable Waterway	N - Not navigable waters	B.N.05 Navigation Channel Min Horizontal Clearance	
B.N.02 Navigation Min Vertical Clearance		B.N.06 Substructure Navigation Protection	

POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PO - Permanent - Open	

LOAD EVALUATION AND POSTING

B.EP.01 Legal Load Configuration	B.EP.02 Legal Load Rating Factor	B.EP.03 Posting Type	B.EP.04 Posting Value
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Asset #00892(Routine, Underwater type 2)

SH 66/Stone County over S. SYLAMORE

Location: .46 MI E OF NEWNATA

Team Lead: Floyd Haley Inspection Date: 10/07/2024

Inspection Notes

General Observation

10/9/2024

Routine and underwater type II inspections were conducted on this date. All defects were noted in the report's elements section, and all components were rated according to their condition.

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Overall, the deck is in satisfactory condition. An asphalt wearing surface has been put in place on top. The undersurface has widespread spalling with exposed rebar at drain locations and isolated efflorescence. The deck was rated a 6 as a result.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The superstructure is in a similar condition to the deck due to its integral nature. It was likewise rated a 6.

60 - Substructure (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

The substructure was found to be in fair condition with widespread spalling and exposed rebar. It was rated a 5 as a result.

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)

The channel was found to be in good condition. It is well aligned and protected by vegetation. It was rated a 7 as a result.

A-51 - Inspection Direction (4 - W to E)

Roadway with Log Mile running West to East.

B.C.05 Bridge Railing Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

Typical rail is in satisfactory condition with surface corrosion.

B.C.06 Bridge Railing Transitions Condition Rating (7 - GOOD - Some minor defects.)

The transitions are in good condition with minor surface corrosion.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (7 - Some minor scour.)

Scour is present at bents 2 and 3 because of heavy drift buildup. The channel bed has lost 4' of material at these bents. No undermining or exposed footings were found.

National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6205	6169	22	14	0
1080	Delamination/Spall/Patched Area	SF	10	0	10	0	0
1090	Exposed Rebar	SF	14	0	0	14	0
1120	Efflorescence/Rust Staining	SF	12	0	12	0	0
510	Wearing Surfaces	SF	6003	5816	8	179	0
3210	Delam/Spall/Patched Area/Pothole	SF	14	0	8	6	0
3220	Crack (Wearing Surface)	SF	173	0	0	173	0
(38) Span 2, right drain: has spall with exposed rebar. 1SF CS3 Span 2: has minor efflorescence in the undersurface. 4SF CS2 Span 3, right, 1st drain: has a spall with exposed rebar. 3SF CS3 Span 3, right, 2nd drain: has a delamination. 3SF CS2 Span 3, left, 1st drain: has a spall with exposed rebar. 1SF CS3 Span 4, right, 2nd drain: has a delamination. 1SF CS2 Span 5: has typical spalls with exposed rebar at drain openings. 4SF CS3 Span 5: has isolated efflorescence. 3SF CS2 Span 6: has isolated efflorescence. 5SF CS2 Span 6, left, drain openings: both have delaminations. 3SF CS2 Span 6, right, drain opening: has a spall with exposed rebar. 2SF CS3 Span 7, left: has a delamination at the drain opening. 3SF CS2 Span 7, left, 1st drain: has a spall with exposed rebar. 3SF CS3 (510-38) The wearing surface has cracks at all joint locations. 173SF CS3 The wearing has isolated spalls and patched areas at joint locations. 8SF CS2, 6SF CS3							
205	Reinforced Concrete Column	EA	14	7	3	4	0
1090	Exposed Rebar	EA	1	0	0	1	0
1130	Cracking (RC and Other)	EA	5	0	2	3	0
6000	Scour	EA	1	0	1	0	0
(205) Bent 1, column 2: has a tree wedged against it from channel debris. Bent 2, column 2: has a large pile of accumulated debris that is creating a scour hole. Bent 2, column 2: has 2 deep spalls with exposed rebar. 1EA CS3 Bent 3, column 2: has drift accumulation and minor scour. 1EA CS2 Bent 3, column 1: has cracking near the top. 1EA CS3 Bent 6, both columns: have vertical cracks and delaminations. 2EA CS3 Bent 7, both columns: have minor vertical cracks. 2EA CS2							
210	Reinforced Concrete Pier Wall	LF	87	57	28	2	0
1080	Delamination/Spall/Patched Area	LF	28	0	28	0	0
1090	Exposed Rebar	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	1	0	0	1	0
(210) Bent 1, pier wall: has a large delaminated area. 7LF CS2 Bent 3, pier wall: has spalls, delaminations, and exposed rebar. 1LF CS3 spall, 1LF CS3 rebar, 11LF CS2 delam. Bent 5, pier wall: has a large delaminated area. 10LF CS2							



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SH 66/Stone County over S. SYLAMORE

Location: .46 MI E OF NEWNATA

Team Lead: Floyd Haley Inspection Date: 10/07/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bent 6, back, pier wall: has a large area of exposed rebar. 6LF CS3 Bent 6, pier wall: has cracking and efflorescence. 2LF EA CS2 and CS3							
215	Reinforced Concrete Abutment	LF	78	68	0	10	0
6000	Scour	LF	10	0	0	10	0
(215) Abutment 1: has scour on the right end and at the centerline. Both areas are undermined 2' back under with 1 pile exposed at the center location. 10LF CS3							
225	Steel Pile	EA	1	1	0	0	0
(225) Abutment 1: has scour with an exposed pile.							
234	Reinforced Concrete Pier Cap	LF	194	107	24	63	0
1080	Delamination/Spall/Patched Area	LF	26	0	24	2	0
1090	Exposed Rebar	LF	21	0	0	21	0
1120	Efflorescence/Rust Staining	LF	29	0	0	29	0
1130	Cracking (RC and Other)	LF	11	0	0	11	0
(234) Typical caps have efflorescence cracks on the ends. 8SF CS3 Bent 1: has efflorescence throughout. 6LF CS3 Bent 1, right: has spalls with exposed rebar. 1LF CS3 Bent 1, left: has spalls with exposed rebar. 3LF CS3 Bent 1: has delaminated areas throughout. 4LF CS2 Bent 2, right: has a spall on the end of the cap. 1LF CS3 Bent 3: has a large spall with exposed rebar. 5LF CS3 Bent 3: has delaminated areas on the ahead and bottom sides of the cap. 4LF CS2 Bent 4, right: has a large spall with exposed rebar. 2LF CS3 Bent 4, right: has efflorescence adjacent to the exposed rebar. 3LF CS3 Bent 4: has cracking throughout. 8LF CS3 Bent 4, left: has exposed rebar. 3LF CS3 Bent 4: has isolated delaminations. 4LF CS2 Bent 5, has isolated delaminations. 3LF CS2 Bent 6, back: has isolated cracking. 3LF CS3 Bent 6: has delaminations throughout. 6LF CS2 Bent 6, left: has a spall with exposed rebar. 1LF CS3 Bent 6, right: has a spall. 1LF CS3 Bent 7: has a spall with exposed rebar on the underside. 6LF CS3 Bent 7: has efflorescence throughout. 12LF CS3 Bent 7: has isolated delaminations. 3LF CS2							
304	Open Expansion Joint	LF	194	0	0	194	0
2350	Debris Impaction	LF	194	0	0	194	0
(304) Joints not visible due to chip seal overlay.							
330	Metal Bridge Railing	LF	448	346	100	2	0
1000	Corrosion	LF	100	0	100	0	0
7000	Damage	LF	2	0	0	2	0
515	Steel Protective Coating	SF	1344	0	1344	0	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
3440	Effectiveness (Steel Protective Coatings)	SF	1344	0	1344	0	0
(330) See attached Form III for detailed locations and descriptions of deficiencies.							
(515-330) The coating is beginning to lose effectiveness.							

Inspection Photos and Notes



09/21/2022

Elevation with Log Mile going Left.



10/08/2024

Roadway with log mile looking east.



10/08/2024

Typical undersurface.



10/08/2024

Typical deck



Upstream, Right



Downstream, Left



Typical rail is in satisfactory condition with surface corrosion.



The transitions are in good condition with minor surface corrosion.



Span 6, ahead of bent 5: typical efflorescence in the undersurface.



Span 7, left, first drain: has spalling with exposed rebar typical of drain locations throughout. 3SF CS3



Bent 5, left: has a spall in the wearing surface typical of joint locations. CS3



Typical wearing surface has cracks and patches over joints.



Bent 2, column 2: has a large pile of accumulated debris that is creating a scour hole.



Bent 2, column 2: has 2 deep spalls with exposed rebar. 1EA CS3



Bent 3, column 2: has drift accumulation and minor scour. 1EA CS2



Bent 6, ahead, column 2: has large delams and vertical cracks. Column 1 is similar 2EA CS3



Bent 6, back, pier wall: has exposed rebar typical of this element.



Abutment 1, right: has scour with undermining. 8LF CS2



Abutment 1, center: has scour with undermining and an exposed pile. 2LF CS2



Bent 3: has a large spall with exposed rebar. 5LF CS3



Bent 4, left: has exposed rebar. 3LF CS3



Bent 6, left: has a spall with exposed rebar. 1LF CS3



Bent 7: has a spall with exposed rebar on the underside.
6LF CS3

Bent 7: has efflorescence throughout. 12LF CS3

Bent 7: has isolated delaminations. 3LF CS2

Maintenance Needs

Date Reported: 10/08/2024

Priority: B - Pressing

Type of Work: Channel Work/Drift Removal

Status: Open

Component: Channel

Deficiency Description

Bents 1-3 have excessive debris buildup causing scour. Full-size trees and logs are wedged against the substructure at these bents.

Remarks



Bent 2: typical debris.



Bent 1: typical debris.



Bent 2: typical debris.



Bents 1 2 and 3 have excessive debris causing scour

Maintenance Needs

Date Reported: 09/15/2016

Priority: D- Routine

Status: Monitor

Type of Work: Repair (General)

Component: Substructure

Deficiency Description

Pier caps

Bents 1, 3, 4 & 7

Large spalls with rebar exposed to caps

Efflorescent map cracking, spalls with rebar exposed & delaminating to caps@ all bents.

Struts/Pier walls

Bents 3 & 6

Heavy cracks to concrete struts

Bent 6 Concrete strut has spall with 18" of exposed rebar.

Remarks



09/21/2022

Bent 6 Concrete Diaphragm has spall with 18" of exposed rebar.



01/01/2020

Horizontal cracking to concrete diaphragm @ Bent 3.



01/01/2020

Spall with 18" rebar exposed to concrete diaphragm @ Bent 6.



09/21/2022

Efflorescent map cracking, spalls with rebar exposed & delaminating to caps@ all bents.
Typical efflor to all caps.



09/21/2022

Efflorescent map cracking, spalls with rebar exposed & delaminating to caps@ all bents.
Bent 1, Rt side.



01/01/2020

Spalls with rebar exposed & efflorescent cracking to Cap @ Bent 7.



01/01/2020

Spalls with rebar exposed @ delaminated area to Left
end of Cap @ Bent 6.



09/21/2022

Bents 1, 3, 4 & 7
Large spalls with rebar exposed to caps
Bent 2, ahead side.



09/21/2022

Bents 1, 3, 4 & 7
Large spalls with rebar exposed to caps
Bent 1, Lt side.



01/01/2020

Spalls with rebar exposed to Right end of Cap @ Bent 4.



Spalls with rebar exposed to bottom of Cap @ Bent 3.



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No
A-65 - Clogged deck drains?	
A-66 - Approach minor pothole/leveling needed	

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

A-56 - Joint Cleaning/Flushing Needed (No)



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A-57 - Girder End and Bearing Painting Needed (No)

A-58 - Cap Cleaning/Flushing Needed (No)

A-59 - Joint Repair Needed (No)

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (No)

A-63 - Missing/Incorrect Log Mile Signage (No)

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains?



Asset #00892(Routine, Underwater type 2)

SH 66/Stone County over S. SYLAMORE

Location: .46 MI E OF NEWNATA

Team Lead: Floyd Haley Inspection Date: 10/07/2024

A-66 - Approach minor pothole/leveling needed



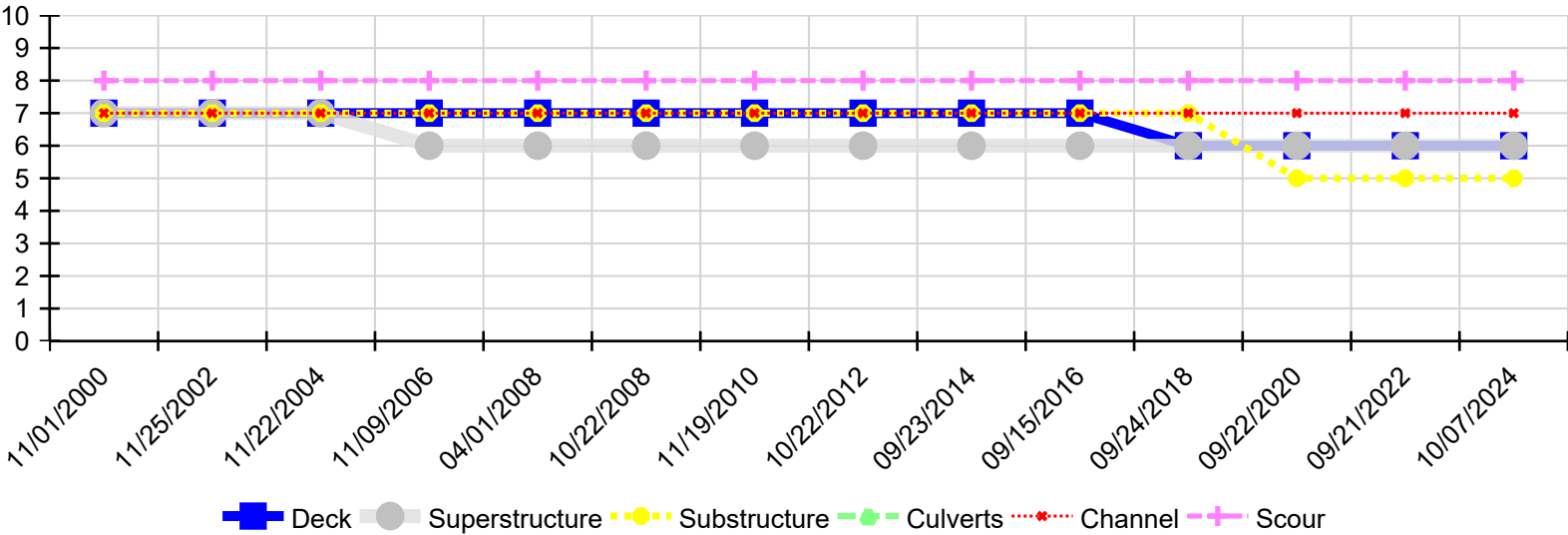
Asset #00892(Routine, Underwater type 2)

SH 66/Stone County over S. SYLAMORE

Location: .46 MI E OF NEWNATA

Team Lead: Floyd Haley Inspection Date: 10/07/2024

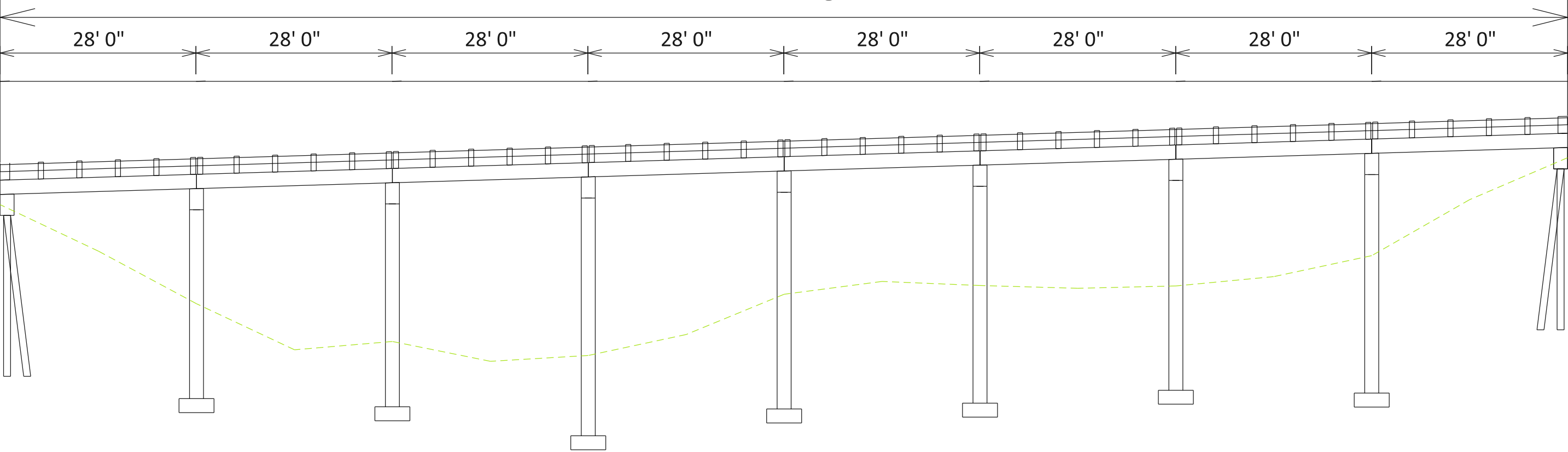
Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
10/07/2024	6	6	5	N	7	8
09/21/2022	6	6	5	N	7	8
09/22/2020	6	6	5	N	7	8
09/24/2018	6	6	7	N	7	8
09/15/2016	7	6	7	N	7	8
09/23/2014	7	6	7	N	7	8
10/22/2012	7	6	7	N	7	8
11/19/2010	7	6	7	N	7	8
10/22/2008	7	6	7	N	7	8
04/01/2008	7	6	7	N	7	8
11/09/2006	7	6	7	N	7	8
11/22/2004	7	7	7	N	7	8
11/25/2002	7	7	7	N	7	8
11/01/2000	7	7	7	N	7	8

All measurements taken from the top of the curb

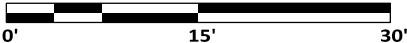

224' 0"



Abutment 1 bent 1 bent 2 bent 3 bent 4 bent 5 bent 6 bent 7 Abutment 2

2024

3' 6" 10' 7" 18' 6" 25' 6" 24' 9" 28' 0" 27' 7" 25' 0" 19' 8" 18' 3" 19' 3" 20' 1 20' 2" 19' 3" 16' 8" 9' 1" 3' 6"

ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.			BRIDGE NO. 00892		
	Scale: 1"=15'		Drawn By: ZBA	Project: Chan_Prof	
	Inspection Dir: W to E	Channel Flow: S to N	Checked By: Edit	Date: 20241008	