

Bridge 00899 Inspection Report



Latitude:34.17397, Longitude:-93.07148

Route:67 Section:06 Log:3.739

Arnold Road ID:10x67x6xA, Arnold Log mile:3.733

District 07, 19 - Clark County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

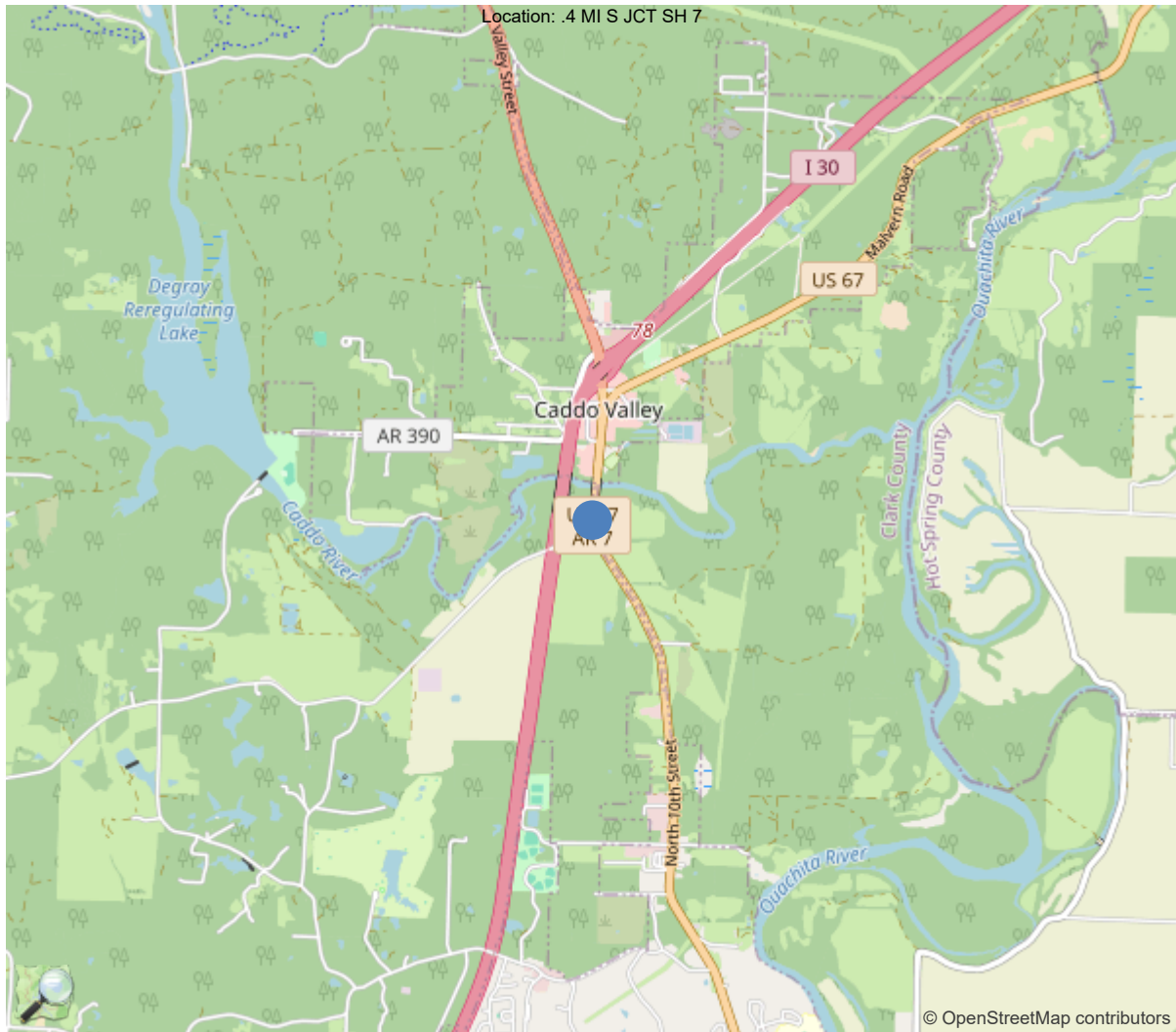
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	39		
Code 9 (31 Tons)	44		
Code 5 (40 Tons)	55		

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



34.17397, -93.07148

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	00899
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	19 - Clark County
(4) Place Code	1870
(6) Features Intersected	CADDO RIVER
(7) Facility Carried	US 67 S-6 LM 3.73
(9) Location	.4 MI S JCT SH 7
(11) Mile Point	3.739 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067060
(16) Latitude	34.17397
(17) Longitude	-93.07148
(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	14
Material	1 - Concrete
Type	4 - Tee beam
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	30
(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	1957
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	8700
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	101 ft
(49) Structure Length	1103 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	31.6 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 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	27.9 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	14 - Urban Other Principal Art
(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	1 - The inventory route is par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	5
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	7
(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	54
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	33
(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	6
(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	31 - Replacement of bridge or
(76) Length of Structure Improvement	1141 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 265
(96) Total Project Cost	\$ 4010
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	9412
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/21/2024
(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: Rickie Bratton, Inspection Date: 08/21/2024

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	00899
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1930

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	19 - Clark County
B.L.03 Place Code	01870 - Arkadelphia
B.L.04 Highway Agency District	07 - District 07
B.L.05 Latitude	34.17397
B.L.06 Longitude	-93.07148
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	.4 MI S JCT SH 7
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	1103
B.G.02 Total Bridge Length	1103
B.G.03 Max Span Length	101
B.G.04 Min Span Length	30
B.G.05 Bridge Width Out-to-Out	31.5
B.G.06 Bridge Width Curb-to-Curb	27.9
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	38.1

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	32
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	34740.7

LOADS AND LOAD RATING	
B.LR.01 Design Load	H20 - H-20
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	0.92
B.LR.06 Operating Load Rating Factor	1.5
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	Y - E/E' details are present
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	5 - FAIR - Some moderate defec
B.C.02 Superstructure Condition	5 - FAIR - Some moderate defec
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	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	5 - FAIR - Some moderate defec
B.C.08 Bridge Joints Condition	5 - FAIR - Some moderate defec
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
B.C.10 Channel Protection Condition	7 - GOOD - Some minor defects.
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	F - Fair
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	AB-T - TEMP - Stable for scour, pos
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	2	B.SP.08 Deck Interaction	CU - Composite - unshored cons
B.SP.03 # of Beam Lines	5	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	S01 - Steel - rolled	B.SP.10 Wearing Surface	C01 - Concrete - monolithic
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	C01 - Coating - paint	B.SP.13 Deck Stay-In-Place Forms	0 - None
A1			
B.SP.02 # of Spans	30	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	6	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	C01 - Concrete - monolithic
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G03 - Girder/beam - tee-beam	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	E01 - Encasement - concrete	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	PX - Pile - other
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	26	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	PX - Pile - other
B.SB.04 Substructure Type	B03 - Bent - pile	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	5	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F01 - Footing - not 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	8700
B.F.03 Feature Name	US 67 S-6 LM 3.73	B.H.10 Annual ADTT	87
B.H.01 Functional Classification	3 - Principal Arterial - Other	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	T-U	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	1-T - TEMP - NHFN - 1 or 2 or	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	67060	B.H.16 Highway Max Usable Surface Width	27.8
B.H.07 LRS Mile Point	3.739	B.H.17 Bypass Detour Length	2
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	



Team Lead: Rickie Bratton, Inspection Date: 08/21/2024

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	67	2-T - TEMP - Two-way traffic - NS or EW	2 - U.S. route	1 - Mainline

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	CADDO RIVER	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



Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton Inspection Date: 08/21/2024

Inspection Notes

General Observation

Inspected with Under Bridge Inspection vehicle, lane closure needed and provided by Clark Co.

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

Overall, the deck is in fair condition. All spans have wear with exposed aggregates, numerous transverse cracks, spalls and chips. Old skin patched areas of spans 29-32 have worn and degraded surface, exposed steel. see pictures. Joint armor is missing at several joints and the adjacent deck edges have been chipped and have cracking and spalling.

Deck Joint Seals - Most all are missing and allowing dirt, debris, and road salts to collect on top of caps and girder ends. All joints have wear and abrasions, several have missing joint armor, all are leaking allowing water and debris onto caps, girders bearings etc. See pictures section.

04/25/2018 JPR -- OS inspection was done to check the deck roughness & possible joint settlement. Joints @ Bents 9, 19, & 27 have some deck settlement. Span 8 @ bent 9 has about 1/2" of settlement, span 19 @ bent 19 has 1" - 1 1/2" settlement, & span 27 @ bent 27 has 1" - 1 1/2" of settlement. All of the above have helper bents under the girders but were not jacked back to original deck grade. The difference in grade from one span to the next has already been documented.

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

Overall, the superstructure is in fair condition. Beams have active corrosion to bottom flanges, webs and to bearing areas.

G 3 bt 11 (back) fresh spalls with exposed steel. Bt 21 (back) girders 3-4 have fresh spalls and cracks. Girder 6 @ Bent 15 (ahead and back) cracks @ girder ends. Note several previously noted girders have been supplemented by concrete footers supporting painted steel columns. The above noted deficiencies do not have supplemental support under the girders. NOTE Numerous spalls, some with exposed steel @ bearing areas with the concrete beams, D7 bridge crew has added false bents to support 46 chipped and spalled girders for a total of 46 that are supported. Bents 5,9,11,13,15,17,19,27 all have from 1 to 6 spalled girders.

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

Overall, the substructure is in fair condition. Caps and piles have spalls with exposed rebar, delams and cracks.

False bents composed of painted steel columns bearing on concrete footings are supporting chipped concrete beams. bent 5 (back)(ahead) G 6 total 7. Bents 9,11,15, 17, 19 (back) have 6 each 30 total, bent 27 (ahead) has 6 and bent 27 (ahead) has 6 for a total of 46. Abutment 2 is cracked on right side under G 5, this crack extends to the wing wall. The river was very low at this inspection and the channel bottom was visible at the base of the channel pier. No scour noted at this inspection.

A-62 - Hydro and LMC Advised (Y)

Deck has numerous patched areas with exposed rebar and cracks.

National Bridge Element Quantities and Notes

[illegible]

[illegible]

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(1090-110) Span 1 @ abut 1 girder 2 has 1' exposed rebar CS3 Span 12 bent 13 girder 3, exposed rebar 1' CS3 Span 25 girder 2, spall with exposed rebar cs 3							
202	Steel Column	EA	46	0	45	1	0
1000	Corrosion	EA	46	0	45	1	0
515	Steel Protective Coating	SF	2760	0	2668	92	0
3440	Effectiveness (Steel Protective Coatings)	SF	2760	0	2668	92	0
(202) Steel columns are bearing on concrete footings and are supporting chipped concrete beams. bent 5 (back)(ahead) G 6 for a total of 7. Bents 9,11,15, 17, 19 (back) have 6 each for a total of 30 , Bent 27 (ahead) has 6 and bent 27 (ahead) has 6 for a total of 46 Mostly all Steel Columns have flaking rust at ground. (1000-202) Bent 5 all steel helper piles have flaking rust 6' CS2 Bent 7 all 6 steel piles have flaking rust 6' CS2 Bent 11 all steel piles have flaking rust 6' CS2 Bent 17, all 6 steel helper piles have flaking rust. 6' CS2. Bent 18 pile 10 flaking rust, all piles in this bent has flaking rust 1' CS2 Bent 27 pile 9 1' corrosion CS3							
205	Reinforced Concrete Column	EA	10	7	1	2	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1090	Exposed Rebar	EA	1	0	0	1	0
1120	Efflorescence/Rust Staining	EA	1	0	1	0	0
(205) Bent 30 Pier column #2 has large spall on back face of the column. (1080-205) Bent 30 ahead face column 2 : large delaminating near cap CS3 (1090-205) Bent 30 column 2 back: large spall with exposed rebar. CS3 Bt. 30, column 2, spall with exposed rebar							
210	Reinforced Concrete Pier Wall	LF	125	88	30	7	0
1080	Delamination/Spall/Patched Area	LF	5	0	5	0	0
1090	Exposed Rebar	LF	7	0	0	7	0
1190	Abrasion/Wear (PSC/RC)	LF	25	0	25	0	0
(1090-210) Bent 29 back pier wall 7' exposed rebar CS3							
215	Reinforced Concrete Abutment	LF	63	19	31	13	0
1080	Delamination/Spall/Patched Area	LF	12	0	0	12	0
1090	Exposed Rebar	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	31	0	31	0	0
(215) Abutment 2 is cracked on right side under G 5 , this crack extends to the wing wall. Abutment 1 large spall in backwall 3' CS3 (1090-215) Span 1 @ abut 1 girder 1 has 1' exposed rebar CS3							



Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton Inspection Date: 08/21/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
227	Reinforced Concrete Pile	EA	156	143	7	6	0
1080	Delamination/Spall/Patched Area	EA	3	0	1	2	0
1090	Exposed Rebar	EA	3	0	0	3	0
1130	Cracking (RC and Other)	EA	2	0	1	1	0
1190	Abrasion/Wear (PSC/RC)	EA	5	0	5	0	0
(227) Bent 4 Pile 3 cracked CS2 Bent 15 Pile 4 rebar CS3 Bent 26 Pile 3 rebar CS3 Bent 27 Pile 2 delam and crack CS2 (1090-227) Bent 5 pile 3 exposed rebar CS3 Bent 15 pile 4 exposed rebar 1' CS3 Bent 26 pile 3 exposed rebar CS3 (1130-227) Bent 4 pile 3 cracked CS2							
234	Reinforced Concrete Pier Cap	LF	3980	3855	0	125	0
1080	Delamination/Spall/Patched Area	LF	92	0	0	92	0
1090	Exposed Rebar	LF	33	0	0	33	0
(234) Numerous spalls , some with exposed steel @ bearing areas with the concrete beams , D7 bridge crew has added false bents to support 46 chipped and spalled girders for a total of 46 that are supported. Bents 5,9,11,13,15,17,19,27 all have from 1 to 6 spalled girders . Bent 3 - cap bottom @ P4 rebar 1' CS3 Bent 4 - cap ahead left side rebar 1' CS3 - ahead right side 1' spall CS3 - back left side 1' delam CS3 Bent 6 - cap ahead left side 1' rebar CS3 Bent 8 - cap ahead right side spall1' CS3 - back left side 2' rebar CS3 Bent 12 - cap bottom left side 1' rebar CS3 - back left side 1' rebar CS3 - back right 1' rebar CS3 Bent 14 - cap ahead left side rebar 1' CS3 - back left side delam 1' CS2 Bent 18 - cap ahead left side delam 3' CS3 Bent 20 - cap back above P4 rebar 1' CS3 Bent 21 - cap ahead right side rebar 2' CS3 - ahead above P2 1' rebar CS3 Bent 22 - cap bottom left 1' rebar CS3 Bent 25 - cap ahead right side spall 1' CS3 Bent 26 - cap ahead right side rebar 1' CS3 Bent 27 - cap back above P3 3' rebar CS3 Bent 28 - cap ahead left side delam 1' CS2 - ahead right side rebar 1' CS2 - Back right side rebar 1' CS3 - back under G2&3 spall 2' CS2 (1080-234) Bent 27 pile 2 has crack and delam CS2 (1090-234) Bent 4 cap ahead left side 1' exposed rebar CS3 Bent 6 cap ahead left side 1' exposed rebar CS3 Bent 14 cap ahead left side 1' exposed rebar CS3 Bent 27 cap back above pile 3 has 3' exposed rebar CS3. Bent 28 cap back right side exposed rebar CS3 1' Bent 28 cap ahead right side exposed rebar 1' CS2							
305	Assembly Joint without Seal	LF	980	0	0	980	0
2360	Adjacent Deck or Header	LF	490	0	0	490	0
2370	Metal Deterioration or Damage	LF	490	0	0	490	0



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(305) All joints have wear and abrasions, several have missing joint armor , all are leaking allowing water and debris onto caps, girders bearings etc. See pictures section.							
311	Movable Bearing	EA	10	0	0	10	0
1000	Corrosion	EA	10	0	0	10	0
(311) Some corrosion							
(1000-311) Bent 30 bearings have heavy flaking rust with some debris buildup up CS3							
313	Fixed Bearing	EA	10	0	0	10	0
1000	Corrosion	EA	10	0	0	10	0
(1000-313) bent 29 ahead: rust to lower web/ flanges, bearings and diaphragms. 6' CS2 Bent 30 bearings have heavy flaking rust with some debris buildup up CS3							
330	Metal Bridge Railing	LF	2206	0	2206	0	0
1000	Corrosion	LF	2206	0	2206	0	0
515	Steel Protective Coating	SF	4412	0	2206	2206	0
3440	Effectiveness (Steel Protective Coatings)	SF	4412	0	2206	2206	0
(330) Corrosion and normal wear.							

Inspection Photos and Notes



Span 1 @ abut 1 girder 1 has 1' exposed rebar CS3



Span 1 @ abut 1 girder 2 has 1' exposed rebar CS3



Bent 4 pile 3 cracked CS2



Bent 4 cap ahead left side 1' exposed rebar CS3



Bent 5 all steel helper piles have flaking rust 6' CS2



Bent 5 pile 3 exposed rebar CS3



Bent 6 cap ahead left side 1' exposed rebar CS3



Bent 7 all 6 steel piles have flaking rust 6' CS2



Span 8 all bays have cracks with efflorescence 20' CS2



Bent 11 all steel piles have flaking rust 6' CS2



Span 12 bent 13 girder 3, exposed rebar 1' CS3



Bent 14 cap ahead left side 1' exposed rebar CS3



Bent 15 right side overhangs of spans 14 and 15 have exposed rebar. 2' CS3



Bent 15 pile 4 exposed rebar 1' CS3



Span 15 all bays have cracks with efflorescence 23' CS2.



Span 16 bays 1-4 have exposed rebar, 5' CS3



Bent 17, all 6 steel helper piles have flaking rust. 6' CS2.



Span 17 bay 2 exposed rebar 3' CS3



Span 18 bay 2 exposed rebar 6' CS3



Bent 18 pile 10 flaking rust, all piles in this bent has flaking rust 1' CS2



Span 22 bays 1-5 efflorescence 36sq' cs2
Bays 2 and 3 exposed rebar 4 sq' cs3



Span 23 bays 1 and 2 efflorescence 25' CS2.



Span 23 bent 23 girder 2, delam 1' CS2



Span 23 bent 24 girder 4, delam 1'CS2



Span 24 bays 1-4 have exposed rebar, 21' CS3



Span 25 bay 1 and left over hang exposed rebar 13' CS3.



Span 25 girder 2, spall with exposed rebar cs 3



Bent 26 pile 3 exposed rebar CS3



Bent 27 cap back above pile 3 has 3' exposed rebar CS3.



Bent 27 pile 2 has crack and delam CS2



Bent 27 pile 9 1' corrosion CS3



Bent 28 cap back right side exposed rebar CS3 1'



Bent 28 cap ahead right side exposed rebar 1' CS2



Bent 29 back pier wall 7' exposed rebar CS3



Elevation



Deck overview



Spans 29 & 30 right lane has patched deck repairs.



Deck Span 29 near bent 30 right lane: spalls with exposed rebar 20' CS2



Span 29 girder 1 at second diaphragm ahead of bent 29: missing and broke bolts.



Overview of bent 29 ahead: rust to lower web/ flanges, bearings and diaphragms. 6' CS2



Span 29 bay 1 exposed rebar 1' CS2



Typical paint system near top flange.



Bent 30 column 2 back: large spall with exposed rebar. CS3



Span 29 bent 30 girder 1 right: heavy flaking rust at haunch
CS3



Bent 30 bearings have heavy flaking rust with some debris buildup up CS3



Bent 30 ahead, girder 5: heavy flaking rust with section loss near bearing area and haunch. 4LF CS3 Corrosion.



Bent 30 ahead girder 1: heavy flaking rust with section loss near bearing area and haunch. 4LF CS3 Corrosion.
Common all girders this location.



Up stream overview left side



Down stream overview right side



Bent 30 ahead face column 2 : large delaminating near cap
CS3



Span 30 girder 5 left at first diaphragm ahead of bent 30:
missing nut.



Overview of undersurface.



Span 30 bay 2 spall 2' CS3



Span 30 bent 31 bearing 4 & 5: flaking and tilted CS2



Span 30 bent 31 back girder 2: heavy flaking rust at haunch
CS3



Span 30 at Bt. 29, beam ends have corrosion



Span 29 and 30 at Bt. 30, Beam 5, beam end has active corrosion.



Span 29 at Bt. 30, Beam 1, beam end has active corrosion.



Downstream



Upstream



Underview



Elevation



Elevation



Approach



Overview



Overview



Underview



Typical view of the girders.



Typical view of the beams.



Span 30 at Bt. 31, all beam ends have active corrosion.



Span 25, bottom side of top flange, spalls with exposed rebar between girders 1 & 2.



Bt. 26, pile 3 has large crack, cap has spall below girder 2.

Maintenance Needs

Date Reported: 09/09/2014

Priority: C - Important

Type of Work: Repair (General)

Status: Assigned

Component: Deck

Deficiency Description

Scattered spalls with exposed rebar in most spans throughout the entire bridge.

Remarks



Span 10



Span 29 & 30, spalls with exposed rebar.

Maintenance Needs

Date Reported: 09/10/2014

Priority: C - Important

Type of Work: Repair (General)

Status: Assigned

Component: Bridge

Deficiency Description

Bt. 30 Pier Column #2 Bk, there is 10 ft of spall with exposed steel, the spall is just below the bottom of the pier cap. The spall is approx. 3" deep and 1 1/2 ft wide and continues down to the original spall.

Remarks



Bt. 30, column 2, spall with exposed rebar

Maintenance Needs

Date Reported: 09/10/2014

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Superstructure

Deficiency Description

Span 1 at Bt. 1, girders 2 & 3, spall with exposed rebar at the end of the girder.

Bt. 33 the abutment @ Girder #5 there is a large crack coming down the inside of the backwall and continues across the bottom of the girder and then back out to the edge of the wingwall.

Remarks



Bt. 33, the abutment @ Girder #5 there is a large crack coming down the inside of the backwall and continues across the bottom of the girder and then back out to the edge of the wingwall.



Span 1 at Bt. 1, girders 2 & 3, spall with exposed rebar at the end of the girder.



08/31/2022

Span 1 at Bt. 1, girder 2, spall with exposed rebar at the end of the girder.

Maintenance Needs

Date Reported: 08/25/2016

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Superstructure

Deficiency Description

Girder 3 bent 11 (back) Girder 6 bent 15 (ahead) and Girders 3-4 bent 21 (back).
Bent 21 cap (ahead) is spalled under girders 5-6.
Span 23 at Bt. 24, girders 3 & 4 have spalls.

Remarks



Span 23 at Bt. 24, girders 3 & 4 have spalls.



Maintenance Needs

Date Reported: 08/15/2018

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Substructure

Deficiency Description

Bent 26 ahead, Pile 3 has a 3' crack that starts @ bottom of the cap & goes down.

Bent 15, pile 4 has a spall with exposed rebar.

Bent 10, pile 3, spall with exposed rebar.

Remarks



08/31/2022

Bent 10, pile 3, spall with exposed rebar.



08/31/2022

Bt. 15, pile 4, spall with exposed rebar.



08/31/2022

Bt. 26, pile 3 has large crack, cap has spall below girder 2.



01/01/2020

Bent 26 ahead, Pile 3 has a 3' crack that starts @ bottom of the cap & goes down.

Maintenance Needs

Date Reported: 09/09/2014

Priority: D- Routine

Status: Assigned

Type of Work: (Inactive) (Inactive) 9 - None

Component:

Deficiency Description

Deck Joint Seals - Most all are missing and allowing dirt, debris, and road salts to collect on top of caps and girder ends. Bt. 21 joint assembly joint/seal has been removed and the patched concrete @ joint back in Lt. travel lane on the ahd side is failing and patch is coming out.

Remarks



Span 20



Span 28

Maintenance Needs

Date Reported: 09/10/2014

Priority: D- Routine

Status: Assigned

Type of Work: (Inactive) (Inactive) 1 - Clean

Component: Substructure

Deficiency Description

Numerous cap have vegetation growing on them, both sides of the bridge.

Remarks



Bt. 29, pier covered with poison ivy.

Maintenance Needs

Date Reported: 09/10/2014

Priority: D- Routine

Status: Assigned

Type of Work: Repair (General)

Component: Substructure

Deficiency Description

Bt. 8 back, cap - towards the end of the cap, there is large delamn under Gdr. #1 @ bearing area.

Bt. 8 pile # 1 is cracked and starting to delamn. The crack starts @ the bottom of the cap.

Remarks



Bt. 8, pile 1, cap & pile have spall with exposed rebar.



Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton **Inspection Date:** 08/21/2024

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	Yes
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)



Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton Inspection Date: 08/21/2024

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 (Yes)

Deck has numerous patched areas with exposed rebar and cracks.

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

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains?



Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton Inspection Date: 08/21/2024

A-66 - Approach minor pothole/leveling needed



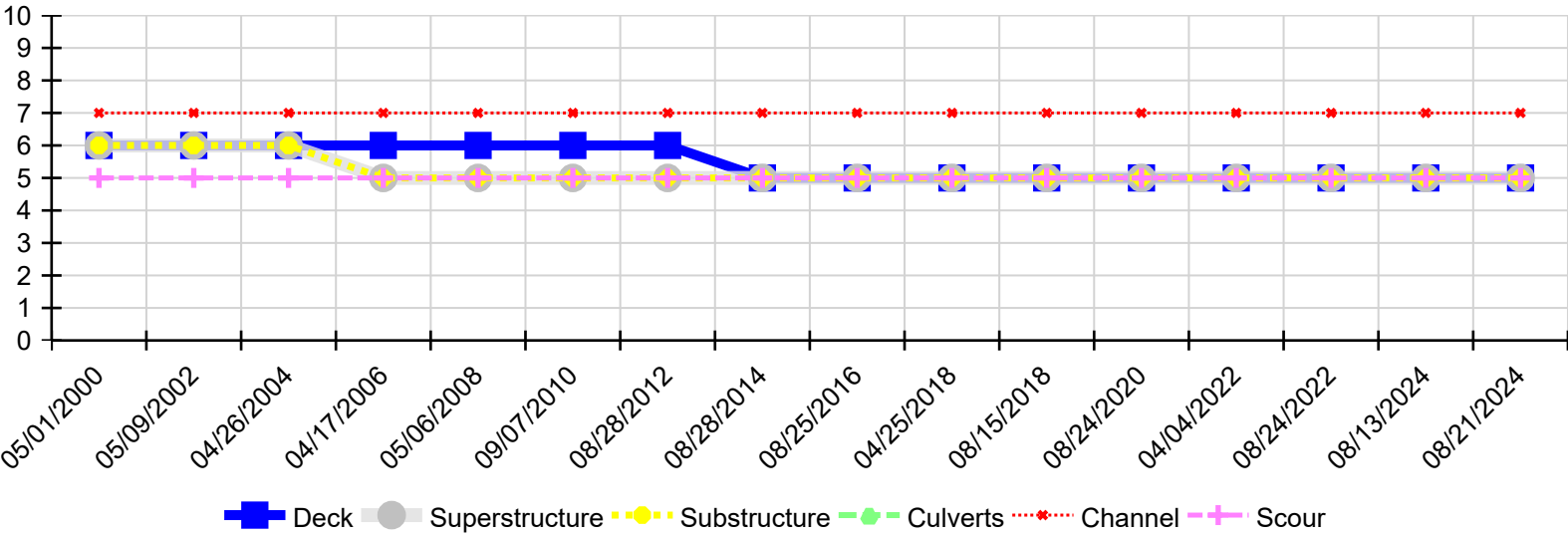
Asset #00899(Routine, Underwater type 2)

US 67 S-6 LM 3.73 over CADDO RIVER

Location: .4 MI S JCT SH 7

Team Lead: Rickie Bratton Inspection Date: 08/21/2024

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/21/2024	5	5	5	N	7	5
08/13/2024	5	5	5	N	7	5
08/24/2022	5	5	5	N	7	5
04/04/2022	5	5	5	N	7	5
08/24/2020	5	5	5	N	7	5
08/15/2018	5	5	5	N	7	5
04/25/2018	5	5	5	N	7	5
08/25/2016	5	5	5	N	7	5
08/28/2014	5	5	5	N	7	5
08/28/2012	6	5	5	N	7	5
09/07/2010	6	5	5	N	7	5
05/06/2008	6	5	5	N	7	5
04/17/2006	6	5	5	N	7	5
04/26/2004	6	6	6	N	7	5
05/09/2002	6	6	6	N	7	5
05/01/2000	6	6	6	N	7	5