

Bridge M0508 Inspection Report



Latitude:33.97965, Longitude:-93.45584

Route:19 Section:06 Log:2.01

Arnold Road ID:55x19x6xA, Arnold Log mile:1.989

District 03, 109 - Pike County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

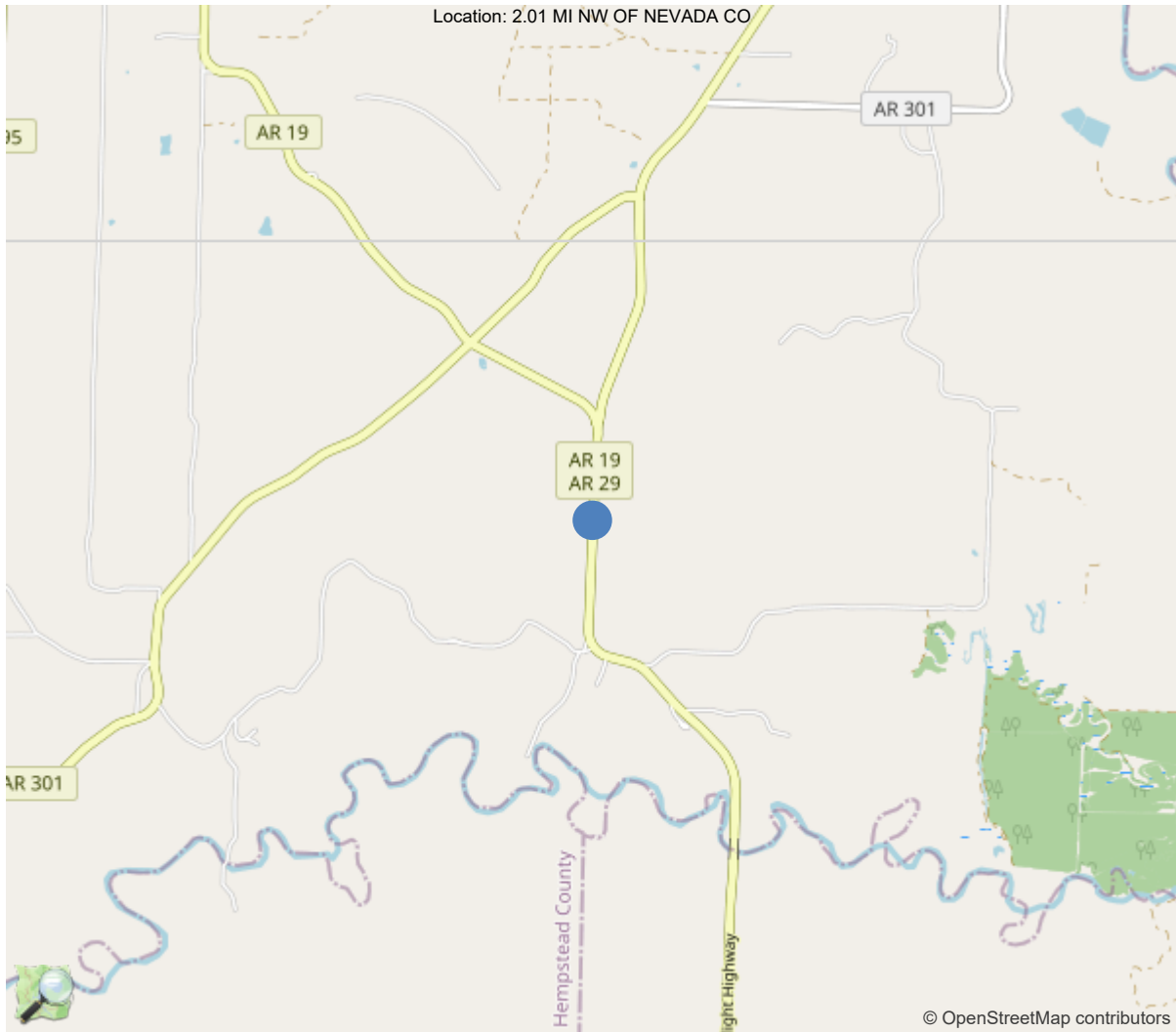
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 27 | | |
| Code 9 (31 Tons) | 31 | | |
| Code 5 (40 Tons) | 42 | | |

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



33.97965, -93.45584

National Bridge Inventory Data Sheet

| IDENTIFICATION | |
|---|--------------------------------|
| (1) State Names | 5 - Arkansas |
| (8) Structure Number | M0508 |
| (5) Inventory Route | 1 |
| (2) Highway Agency District | 03 - District 03 |
| (3) County Code | 109 - Pike County |
| (4) Place Code | 0 |
| (6) Features Intersected | BUFFALO CREEK |
| (7) Facility Carried | SH 19 SEC. 06-2.01 |
| (9) Location | 2.01 MI NW OF NEVADA CO |
| (11) Mile Point | 2.01 mi |
| (12) Base Highway Network | No |
| (13) LRS Inventory Rte & Subrte | |
| (16) Latitude | 33.97965 |
| (17) Longitude | -93.45584 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 122 |
| Material | 1 - Concrete |
| Type | 22 - Channel beam |
| (44) Approach Structure Type | 00 |
| Material | 0 - Other |
| Type | 0 - Other |
| (45) No. of Spans in Main Unit | 2 |
| (46) No. of Approach Spans | 0 |
| (107) Deck Structure Type | 2 - Concrete Precast Panels |
| (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 | 1955 |
| (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 | 916 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 4 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 18 ft |
| (49) Structure Length | 38 ft |
| (50) Curb or Sidewalk Width | |
| Left | 0.5 ft |
| Right | 0.5 ft |
| (51) Bridge Roadway Width Curb to Curb | 24.8 ft |
| (52) Deck Width Out to Out | 26.3 ft |
| (32) Approach Roadway Width (W/Shoulders) | 40 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 | 24.8 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 | 6 - Rural 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 | 5 - Bridge is not eligible for |
| CONDITION | |
| (58) Deck | 6 |
| (59) Superstructure | 5 |
| (60) Substructure | 6 |
| (61) Channel & Channel Protection | 6 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 0 - Other or Unknown |
| (63) Operating Rating Method | 1 |
| (64) Operating Rating | |
| Type | 1 - Load Factor(LF) |
| Rating | 37 |
| (65) Inventory Rating Method | 1 - Load Factor(LF) |
| (66) Inventory Rating | |
| Type | |
| Rating | 22 |
| (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 | 6 |
| (72) Approach Roadway Alignment | 8 |
| (36A) Bridge Railings | 1 - Inspected feature meets current |
| (36B) Transitions | 0 - Inspected feature does not meet |
| (36C) Approach Guardrail | 1 - Inspected feature meets current |
| (36D) Approach Guardrail Ends | 1 - Inspected feature meets current |
| (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 | 62 ft |
| (94) Bridge Improvement Cost | \$ 0 |
| (95) Roadway Improvement Cost | \$ 156 |
| (96) Total Project Cost | \$ 324 |
| (97) Year of Improvement Cost Estimate | 2002 |
| (114) Future ADT | 1056 |
| (115) Year of Future ADT | 2038 |

| INSPECTIONS * | | | |
|--|------|-------------|------------|
| (90) Inspection Date | | | 07/02/2024 |
| (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: Tanner Cook, Inspection Date: 03/27/2025

Specifications for National Bridge Inventory Sheets

| IDENTIFICATION | |
|-----------------------------|-------|
| B.ID.01 Bridge Number | M0508 |
| B.ID.02 Bridge Name | |
| B.ID.03 Previous Bridge No. | |
| B.W.01 Year Built | 1955 |

| LOCATION | |
|--|-------------------------|
| B.L.01 State Code | 5 - Arkansas |
| B.L.02 County Code | 109 - Pike County |
| B.L.03 Place Code | 00000 - N/A |
| B.L.04 Highway Agency District | 03 - District 03 |
| B.L.05 Latitude | 33.97965 |
| B.L.06 Longitude | -93.45584 |
| 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 | 2.01 MI NW OF NEVADA CO |
| 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 | 33 |
| B.G.02 Total Bridge Length | 38.1 |
| B.G.03 Max Span Length | 18 |
| B.G.04 Min Span Length | 18 |
| B.G.05 Bridge Width Out-to-Out | 26.2 |
| B.G.06 Bridge Width Curb-to-Curb | 24.9 |
| B.G.07 Left Curb or Sidewalk Width | 0.7 |
| B.G.08 Right Curb or Sidewalk Width | 0.7 |
| B.G.09 Approach Roadway Width | 40 |

| | |
|-----------------------------|---------------------------|
| 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 | 9 |
| B.G.14 Sidehill Bridge | N - Not a sidehill bridge |
| B.G.15 Irregular Deck Area | |
| B.G.16 Calculated Deck Area | 998.9 |

| LOADS AND LOAD RATING | |
|--|--------------------------|
| B.LR.01 Design Load | U - Unknown |
| 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 | 0.61 |
| B.LR.06 Operating Load Rating Factor | 1.03 |
| 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 | 5 - FAIR - Some moderate defec |
| B.C.03 Substructure Condition | 6 - SATISFACTORY - Widespread |
| B.C.04 Culvert Condition | N - NOT APPLICABLE - Component |
| B.C.05 Bridge Railing Condition | 4 - POOR - Widespread moderate |
| B.C.06 Bridge Railing Transitions Condition | 6 - SATISFACTORY - Widespread |
| B.C.07 Bridge Bearings Cond. | N - NOT APPLICABLE - Component |
| B.C.08 Bridge Joints Condition | 4 - POOR - Widespread moderate |
| B.C.09 Channel Condition Rating | 6 - SATISFACTORY - Widespread |
| B.C.10 Channel Protection Condition | N - NOT APPLICABLE - Bridge do |
| B.C.11 Scour Condition Rating | 6 - Widespread minor or isolat |
| 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 | 2 - Very low - once every 51 to 99 |
| 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 |

Team Lead: Tanner Cook, Inspection Date: 03/27/2025

| SPAN SETS | | | |
|--------------------------------|--------------------------------|--|--------------------------------|
| M1 | | | |
| B.SP.02 # of Spans | 2 | B.SP.08 Deck Interaction | IM - Integral or monolithic |
| B.SP.03 # of Beam Lines | 7 | B.SP.09 Deck Material and Type | C02 - Reinforced concrete - pr |
| B.SP.04 Span Material | C02 - Reinforced concrete - pr | 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 | G07 - Girder/beam - channel ad | 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 | F01 - Footing - not on rock |
| B.SB.04 Substructure Type | A01 - Abutment - cantilever/wa | B.SB.07 Foundation Protective System | 0 - None |
| 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 | F01 - Footing - not on rock |
| B.SB.04 Substructure Type | A01 - Abutment - cantilever/wa | B.SB.07 Foundation Protective System | 0 - None |
| P1 | | | |
| B.SB.02 No. of Substructure Units | 1 | 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 | P01 - Pier - wall | B.SB.07 Foundation Protective System | 0 - None |
| P1 | | | |
| B.SB.02 No. of Substructure Units | 1 | 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 | P01 - Pier - wall | 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 | 916 |
| B.F.03 Feature Name | SH 19 SEC. 06-2.01 | B.H.10 Annual ADTT | 9 |
| B.H.01 Functional Classification | 4 - Minor Arterial | 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 | 24.6 |
| B.H.07 LRS Mile Point | 2.01 | B.H.17 Bypass Detour Length | 4 |
| B.H.08 Lanes On Highway | 2 | B.H.18 Crossing Bridge Number | |



Team Lead: Tanner Cook, Inspection Date: 03/27/2025

| 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 | 19 | 2-T - TEMP - Two-way traffic - NS or EW | 3 - State 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 | Buffalo Creek | 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 |



Inspection Notes

General Observation

7/2/2024 - Routine and Underwater Type 2 inspection done by J. Kegley and D. Calhoun.

Inspection Procedure

Water Depth:

The depth of the water at the time of this inspection was approximately 1' deep.

Tools Needed:

Hip boots/Snake chaps and probing rob will be needed during this inspection.

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

The deck is rated a 6 this inspection due to minor deterioration in various locations on the under surface of top flange.

Note: The topside of the deck was unable to be inspected due to an asphalt overlay.

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

The superstructure is rated a 5 this inspection due to there being exposed rebar with moderate section loss, spalling, delams, and cracking with efflorescence in various locations throughout the superstructure.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The substructure is rated a 6 this inspection due to cracking, spalling, and exposed rebar with moderate section loss in various locations throughout the substructure.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.) The channel is rated a 6 this inspection due to there being streambank damage throughout the upstream and downstream sides. The sediment build up in span 2 is causing streambed movement and channel flow into span 1. Note: The channel shifting to span 1 is causing scour around bents 1 and 2.

A-63 - Missing/Incorrect Log Mile Signage (N)

Missing log mile sign at beginning of bridge.

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

B.C.05 Bridge Railing Condition Rating (4 - POOR - Widespread moderate or isolated major defects; strength and/or performance of the component is affected.)

There is minor corrosion and damage to the left damage.

B.C.08 Bridge Joints Condition Rating (4 - POOR - Widespread moderate or isolated major defects.)

The joints are covered by asphalt overlay.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Scour is rated a 6 this inspection due to isolated moderate scour around bent 1 and 2.

National Bridge Element Quantities and Notes

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|--------------------------------------|-------|-------|-----|-----|-----|-----|
| 16 | Reinforced Concrete Top Flange | SF | 957 | 907 | 50 | 0 | 0 |
| 1130 | Cracking (RC and Other) | SF | 50 | 0 | 50 | 0 | 0 |
| 510 | Wearing Surfaces | SF | 895 | 280 | 600 | 15 | 0 |
| 3210 | Delam/Spall/Patched Area/Pothole | SF | 215 | 0 | 200 | 15 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 400 | 0 | 400 | 0 | 0 |
| (16) Cracking in various locations of reinforced concrete top flange underneath asphalt overlay. | | | | | | | |
| (510-16) Span 1, southbound lane, cracking in various locations of span 1, CS3. | | | | | | | |
| Span 2, southbound lane, cracking in various locations of span 1, CS3. | | | | | | | |
| Span 2, northbound lane, cracking & patched potholes in various locations, CS2. | | | | | | | |
| 110 | Reinforced Concrete Open Girder/Beam | LF | 304 | 199 | 96 | 9 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 4 | 0 | 4 | 0 | 0 |
| 1090 | Exposed Rebar | LF | 21 | 0 | 12 | 9 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 60 | 0 | 60 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 20 | 0 | 20 | 0 | 0 |
| (110) Span 1, unit 1, right stem, cracking with efflorescence down the entire length, CS2. | | | | | | | |
| Span 1, unit 4, right stem, Delam near mid span, CS2. | | | | | | | |
| Span 1, unit 6, left stem, 3' ahead of bent 1, 2' exposed rebar, CS2. | | | | | | | |
| Span 1, unit 6, right stem, 1' ahead of bent 1, 2' of exposed rebar with 1/8" section loss, CS3. | | | | | | | |
| Span 1, unit 7, left stem, cracking with efflorescence, CS2. | | | | | | | |
| Span 2, unit 1, left side, left stem, spalling, CS2. | | | | | | | |
| Span 2, unit 2, left stem, 2' of Delam, CS2. | | | | | | | |
| Span 2, unit 2, right stem, 6" away from bent 3 cap, 2' of exposed rebar with 1/8" section loss, CS3. | | | | | | | |
| Span 2, unit 4, at bent 2 cap, 2' of exposed rebar with 1/8" section loss, CS3. | | | | | | | |
| Span 2, unit 5, 4' ahead of bent 2 cap, 3' of exposed rebar with 1/8" section loss, CS3. | | | | | | | |
| (1130-110) Span 1 unit number 7 —30 ft cracking with efflorescence | | | | | | | |
| 210 | Reinforced Concrete Pier Wall | LF | 25 | 24 | 1 | 0 | 0 |
| 1010 | Cracking | LF | 1 | 0 | 1 | 0 | 0 |
| (210) Bent 2, mid span, looking back, 1' of cracking, CS2. | | | | | | | |
| 215 | Reinforced Concrete Abutment | LF | 82 | 75 | 6 | 1 | 0 |
| 1090 | Exposed Rebar | LF | 1 | 0 | 1 | 0 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 1 | 0 | 1 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 1 | 0 | 1 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 4 | 0 | 3 | 1 | 0 |
| (215) Bent 1, right side, looking back, abrasion/wear, CS3. | | | | | | | |
| Bent 1, right side, looking back, cracking with efflorescence, CS2. | | | | | | | |
| Bent 1, mid span, looking back, 1' of cracking, CS2. | | | | | | | |

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|--------------------------------------|-------|-------|-----|-----|-----|-----|
| Bent 1, left side, looking back, exposed rebar, CS2. | | | | | | | |
| 220 | Reinforced Concrete Pile Cap/Footing | LF | 26 | 26 | 0 | 0 | 0 |
| 234 | Reinforced Concrete Pier Cap | LF | 78 | 75 | 0 | 3 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 1 | 0 | 0 | 1 | 0 |
| 1090 | Exposed Rebar | LF | 2 | 0 | 0 | 2 | 0 |
| (234) Bent 2, left side, 1' of spalling, CS3. Bent 2, looking ahead, mid span, spalling, CS2. Bent 2, right side, exposed rebar with 3/8" section loss, CS3. (1090-234) . | | | | | | | |
| 301 | Pourable Joint Seal | LF | 72 | 0 | 0 | 0 | 72 |
| 2350 | Debris Impaction | LF | 72 | 0 | 0 | 0 | 72 |
| (2350-301) 7/22 joint are covered with asphalt | | | | | | | |
| 330 | Metal Bridge Railing | LF | 76 | 67 | 1 | 8 | 0 |
| 1000 | Corrosion | LF | 1 | 0 | 1 | 0 | 0 |
| 7000 | Damage | LF | 8 | 0 | 0 | 8 | 0 |
| (330) Left side, bridge railing has corrosion and moderate damage due to a previous accident, CS3. (1000-330) 7/22 rust forming on guard rail both sides.... | | | | | | | |


Inspection Photos and Notes

AR DOT
 Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
 SH 19 SEC. 06-2.01 over BUFFALO CREEK
 Location: 2.01 MI NW OF NEVADA CO
 Team Lead: Jared Kugley Inspection Date: 07/02/2024

State Owned
SS: 19-06
✓ SR: 7-20-2024

Bridge: M0508 Maintenance and Posting Needs Report



Latitude: 33.97865, Longitude: -93.45584
 Route: 19 Section: 06 Log 2.01
 Arnold Road ID: 55x19x8A, Arnold Log mile: 1.989
 District 03, 109 - Pike County
 Owner: 1 - State Highway Agency
 Posting Status: A - Open, no restriction

03/27/2025

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR DOT
 Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
 SH 19 SEC. 06-2.01 over BUFFALO CREEK
 Location: 2.01 MI NW OF NEVADA CO
 Team Lead: Jared Kugley Inspection Date: 07/02/2024

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 | No |
| A-63 - Missing/Incorrect Log Mile Signage | Yes |
| A-64 - Vegetation Removal Requested | No |

MF

A-54 - Sealable Deck Cracks (No)
 A-55 - Deck Washing Needed (No)
 A-56 - Joint Cleaning/Flushing Needed (No)


03/27/2025

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR DOT
 Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
 SH 19 SEC. 06-2.01 over BUFFALO CREEK
 Location: 2.01 MI NW OF NEVADA CO
 Team Lead: Jared Kugley Inspection Date: 07/02/2024

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 (No)
 A-63 - Missing/Incorrect Log Mile Signage (Yes)
 Missing log mile sign at beginning of bridge.



ordered 10-23-25
completed 3/20/25

Missing log mile sign at beginning of bridge.

03/27/2025

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR



03/27/2025

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge



Elevation.

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)



Asset #M0508(Record Change)
SH 19 SEC. 06-2.01 over BUFFALO CREEK
Location: 2.01 MI NW OF NEVADA CO
Team Lead: Tanner Cook Inspection Date: 03/27/2025

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)


Missing log mile sign at beginning of bridge.

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR DOT
Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
SH 19 SEC. 06-2.01 over BUFFALO CREEK
Location: 2.01 MI NW OF NEVADA CO
Team Lead: Jarrod Kigley Inspection Date: 07/02/2024

State Owned
55-19-06
3/20/2025 Bridge: M0508 Maintenance and Posting Needs Report



Latitude: 33.97965, Longitude: -93.45584
Route: 19 Section: 06 Log: 2.01
Arnold Road (2.55 mi) Buffalo, Arnold Log mile: 1.989
District 03, 109 - Pike County
Owner: 1 - State Highway Agency
Posting Status: A - Open, no restriction

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR DOT
Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
SH 19 SEC. 06-2.01 over BUFFALO CREEK
Location: 2.01 MI NW OF NEVADA CO
Team Lead: Jarrod Kigley Inspection Date: 07/02/2024

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 | No |
| A-63 - Missing/Incorrect Log Mile Signage | Yes |
| A-64 - Vegetation Removal Requested | No |

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

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

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

AR DOT
Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
SH 19 SEC. 06-2.01 over BUFFALO CREEK
Location: 2.01 MI NW OF NEVADA CO
Team Lead: Jarrod Kigley Inspection Date: 07/02/2024

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 (No)

A-63 - Missing/Incorrect Log Mile Signage (Yes)
Missing log mile sign at beginning of bridge.



Missing log mile sign at beginning of bridge.

ordered 1 hour to complete 3/20/25

3/20/2025 - Log mile signs have been replaced at the beginning of the bridge

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains?

AR DOT
Arkansas Department of Transportation

Asset #M0508(Routine, Underwater type 2)
SH 19 SEC. 06-2.01 over BUFFALO CREEK
Location: 2.01 MI NW OF NEVADA CO
Team Lead: Jarrod Kigley Inspection Date: 07/02/2024



3/20/2025 - Log mile signs have been replaced at the beginning of the bridge



Asset #M0508(Record Change)

SH 19 SEC. 06-2.01 over BUFFALO CREEK

Location: 2.01 MI NW OF NEVADA CO

Team Lead: Tanner Cook Inspection Date: 03/27/2025

A-66 - Approach minor pothole/leveling needed



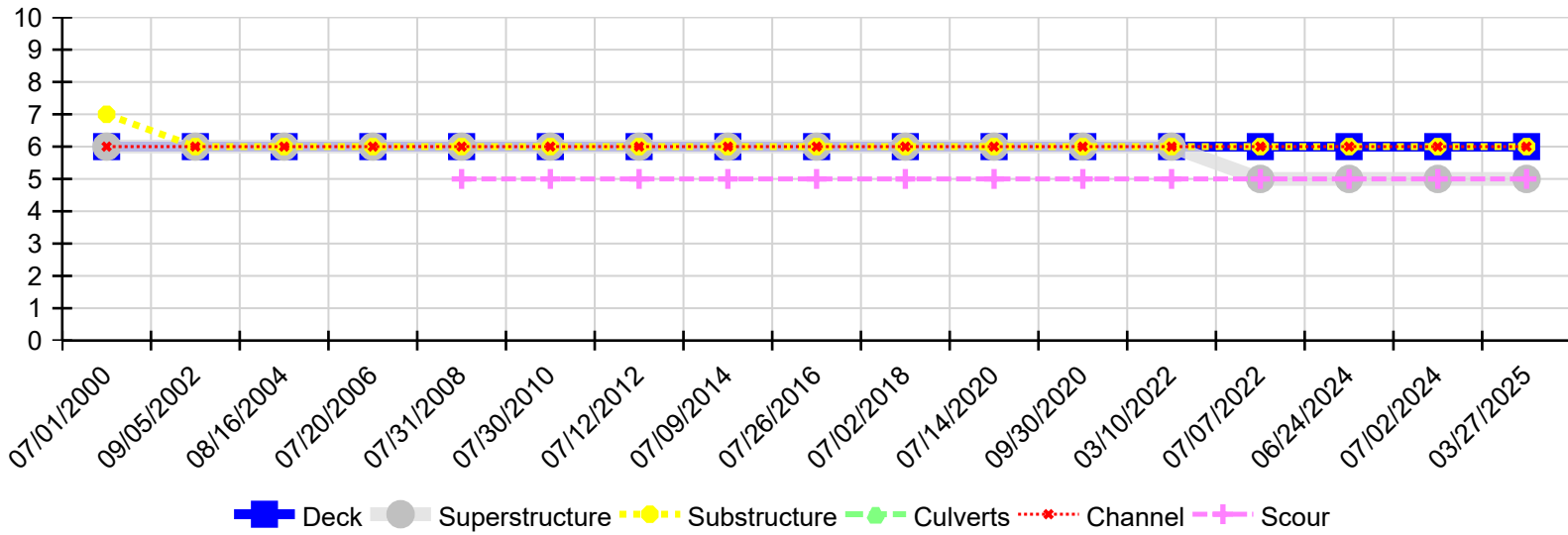
Asset #M0508(Record Change)

SH 19 SEC. 06-2.01 over BUFFALO CREEK

Location: 2.01 MI NW OF NEVADA CO

Team Lead: Tanner Cook Inspection Date: 03/27/2025

Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 03/27/2025 | 6 | 5 | 6 | N | 6 | 5 |
| 07/02/2024 | 6 | 5 | 6 | N | 6 | 5 |
| 06/24/2024 | 6 | 5 | 6 | N | 6 | 5 |
| 07/07/2022 | 6 | 5 | 6 | N | 6 | 5 |
| 03/10/2022 | 6 | 6 | 6 | N | 6 | 5 |
| 09/30/2020 | 6 | 6 | 6 | N | 6 | 5 |
| 07/14/2020 | 6 | 6 | 6 | N | 6 | 5 |
| 07/02/2018 | 6 | 6 | 6 | N | 6 | 5 |
| 07/26/2016 | 6 | 6 | 6 | N | 6 | 5 |
| 07/09/2014 | 6 | 6 | 6 | N | 6 | 5 |
| 07/12/2012 | 6 | 6 | 6 | N | 6 | 5 |
| 07/30/2010 | 6 | 6 | 6 | N | 6 | 5 |
| 07/31/2008 | 6 | 6 | 6 | N | 6 | 5 |
| 07/20/2006 | 6 | 6 | 6 | N | 6 | N |
| 08/16/2004 | 6 | 6 | 6 | N | 6 | N |
| 09/05/2002 | 6 | 6 | 6 | N | 6 | N |
| 07/01/2000 | 6 | 6 | 7 | N | 6 | N |