

## **Bridge 01013 Inspection Report**



Latitude:34.90545, Longitude:-94.09213

Route:71 Section:10 Log:4.329

Arnold Road ID:63x71x10BxA, Arnold Log mile:4.101

District 04, 127 - Scott County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

### Bridge Posting Information

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

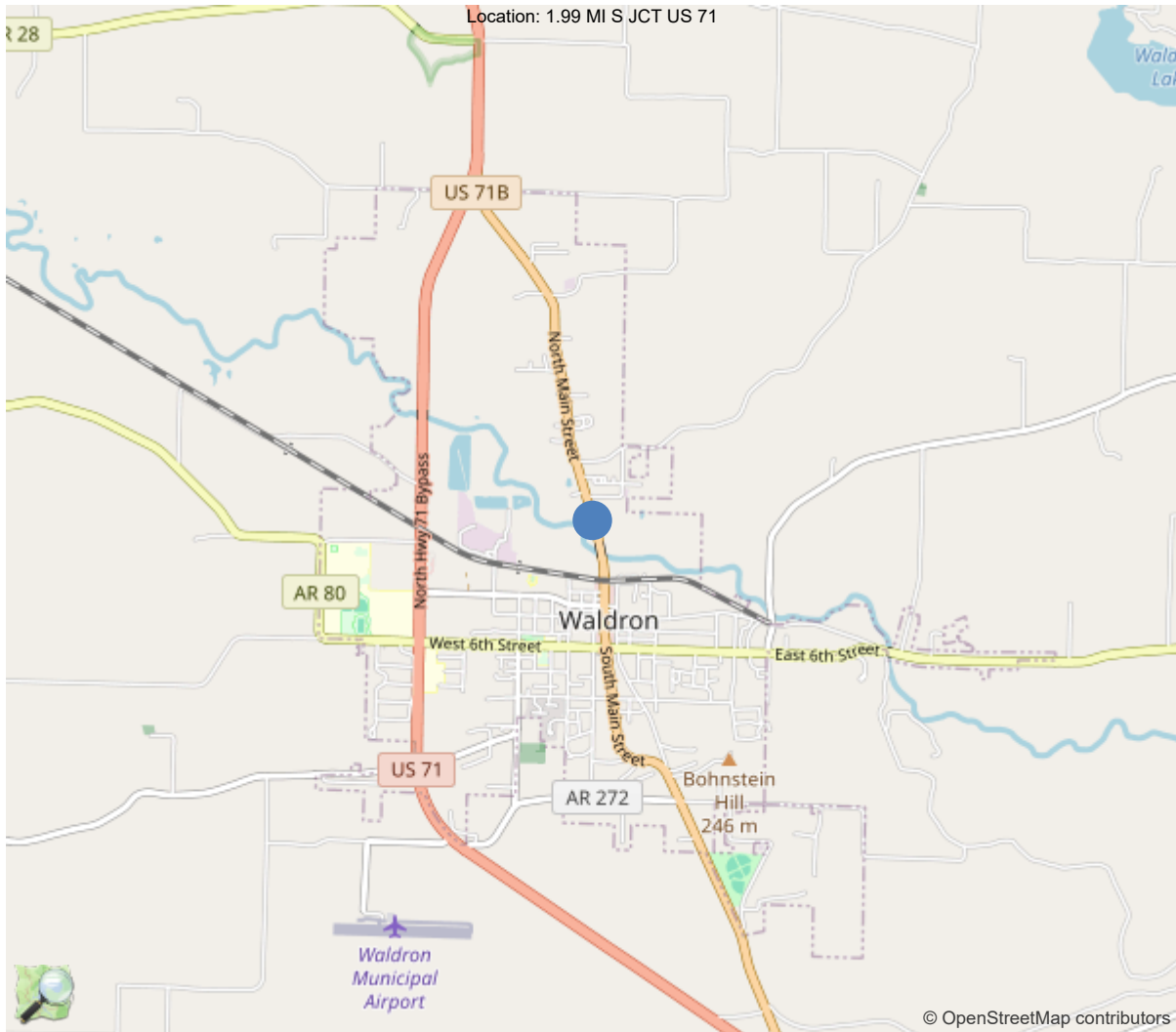
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load       | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 31                  |  |                                  |
| Code 9 (31 Tons) | 33                  |  |                                  |
| 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



34.90545, -94.09213



## National Bridge Inventory Data Sheet

| IDENTIFICATION                            |  |
|---|--|
| (1) State Names                           | 5 - Arkansas                             |
| (8) Structure Number                      | 01013                                    |
| (5) Inventory Route                       | 1  |
| (2) Highway Agency District               | 04 - District 04                         |
| (3) County Code                           | 127 - Scott County                       |
| (4) Place Code                            | 72380                                    |
| (6) Features Intersected                  | Poteau River Relief                      |
| (7) Facility Carried                      | US 71 Business                           |
| (9) Location                              | 1.99 MI S JCT US 71                      |
| (11) Mile Point                           | 4.329 mi                                 |
| (12) Base Highway Network                 | No                                       |
| (13) LRS Inventory Rte & Subrte           | 0000000000                               |
| (16) Latitude                             | 34.90545                                 |
| (17) Longitude                            | -94.09213                                |
| (98) Border Bridge State Code             |  |
| (99) Border Bridge Structure No.          |  |
| STRUCTURE TYPE AND MATERIAL               |  |
| (43) Main Structure Type                  | 24                                       |
| Material                                  | 2 - Concrete continuous                  |
| Type                                      | 4 - Tee beam                             |
| (44) Approach Structure Type              | 00                                       |
| Material                                  | 0 - Other                                |
| Type                                      | 0 - Other                                |
| (45) No. of Spans in Main Unit            | 3  |
| (46) No. of Approach Spans                | 0  |
| (107) Deck Structure Type                 | 1 - Concrete Cast-in-Place               |
| (108) Wearing Surface/Protective System   |  |
| Type of Wearing Surface                   | 0 - None (no additional concrete thickne |
| Type of Membrane                          | 0 - None                                 |
| Type of Deck Protection                   | 0 - None                                 |
| AGE AND SERVICE                           |  |
| (27) Year Built                           | 1929                                     |
| (106) Year Reconstructed                  | 1991                                     |
| (42) Type of Service                      | 15                                       |
| On  | 1 - Highway                              |
| Under                                     | 5 - Waterway                             |
| (28) Lane                                 |  |
| On  | 2  |
| Under                                     | 0  |
| (29) Average Daily Traffic                | 3200                                     |
| (30) Year of ADT                          | 2018                                     |
| (109) Truck ADT                           | 1 %                                      |
| (19) Bypass, Detour Length                | 6 mi                                     |
| GEOMETRIC DATA                            |  |
| (48) Length of Maximum Span               | 32.7 ft                                  |
| (49) Structure Length                     | 105 ft                                   |
| (50) Curb or Sidewalk Width               |  |
| Left                                      | 0 ft                                     |
| Right                                     | 0 ft                                     |
| (51) Bridge Roadway Width Curb to Curb    | 40 ft                                    |
| (52) Deck Width Out to Out                | 42.8 ft                                  |
| (32) Approach Roadway Width (W/Shoulders) | 40 ft                                    |
| (33) Bridge Median                        | 0 - No median                            |
| (34) Skew                                 | 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                | 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      | 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                              | 6                                   |
| (59) Superstructure                    | 6                                   |
| (60) Substructure                      | 6                                   |
| (61) Channel & Channel Protection      | 7                                   |
| (62) Culverts                          | N                                   |
| LOAD RATING AND POSTING                |                                     |
| (31) Design Load                       | 3 - MS 13.5 / HS 15                 |
| (63) Operating Rating Method           | 1                                   |
| (64) Operating Rating                  |                                     |
| Type                                   | 1 - Load Factor(LF)                 |
| Rating                                 | 41                                  |
| (65) Inventory Rating Method           | 1 - Load Factor(LF)                 |
| (66) Inventory Rating                  |                                     |
| Type                                   |                                     |
| Rating                                 | 24                                  |
| (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                     | 6                                   |
| (69) Clearances, Vertical/Horizontal   | N                                   |
| (71) Waterway Adequacy                 | 8                                   |
| (72) Approach Roadway Alignment        | 8                                   |
| (36A) Bridge Railings                  | 1 - Inspected feature meets current |
| (36B) Transitions                      | 1 - Inspected feature meets current |
| (36C) Approach Guardrail               | 1 - Inspected feature meets current |
| (36D) Approach Guardrail Ends          | 1 - Inspected feature meets current |
| (113) Scour Critical Bridges           | 8 - 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                       | 4880                                |
| (115) Year of Future ADT               | 2028                                |

| INSPECTIONS *   |      |             |            |
|---|------|-------------|------------|
| (90) Inspection Date  |      |             | 03/17/2025 |
| (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   |             |            |
| <p>* 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.</p> |      |             |            |



Team Lead: Eric West, Inspection Date: 03/17/2025

## Specifications for National Bridge Inventory Sheets

| IDENTIFICATION              |       |
|-----------------------------|-------|
| B.ID.01 Bridge Number       | 01013 |
| B.ID.02 Bridge Name         |       |
| B.ID.03 Previous Bridge No. |       |
| B.W.01 Year Built           | 1929  |

| LOCATION                                   |                     |
|--|---------------------|
| B.L.01 State Code                          | 5 - Arkansas        |
| B.L.02 County Code                         | 127 - Scott County  |
| B.L.03 Place Code                          | 72380 - Waldron     |
| B.L.04 Highway Agency District             | 04 - District 04    |
| B.L.05 Latitude                            | 34.90545            |
| B.L.06 Longitude                           | -94.09213           |
| 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                     | 1.99 MI S JCT US 71 |
| 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           | 100.7 |
| B.G.02 Total Bridge Length          | 105   |
| B.G.03 Max Span Length              | 35.1  |
| B.G.04 Min Span Length              | 32.7  |
| B.G.05 Bridge Width Out-to-Out      | 42.7  |
| B.G.06 Bridge Width Curb-to-Curb    | 40    |
| B.G.07 Left Curb or Sidewalk Width  | 0     |
| B.G.08 Right Curb or Sidewalk Width | 0     |
| 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    | 16                        |
| B.G.14 Sidehill Bridge      | N - Not a sidehill bridge |
| B.G.15 Irregular Deck Area  |                           |
| B.G.16 Calculated Deck Area | 4477.8                    |

| LOADS AND LOAD RATING                        |                          |
|--|--------------------------|
| B.LR.01 Design Load                          | HS15 - HS-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         | 0.67                     |
| B.LR.06 Operating Load Rating Factor         | 1.14                     |
| 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                | 7 - GOOD - Some minor defects. |
| B.C.02 Superstructure Condition             | 7 - GOOD - Some minor defects. |
| B.C.03 Substructure Condition               | 6 - SATISFACTORY - Widespread  |
| B.C.04 Culvert Condition                    | N - NOT APPLICABLE - Component |
| B.C.05 Bridge Railing Condition             | 7 - GOOD - Some minor defects. |
| 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              | N - NOT APPLICABLE - Bridge do |
| 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               | 9 - No scour.                  |
| B.C.12 Bridge Condition Classification      | F - Fair                       |
| B.C.13 Lowest Condition Rating              | 6 - SATISFACTORY - Widespread  |
| 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 |

Team Lead: Eric West, Inspection Date: 03/17/2025

| SPAN SETS                      |                                |  |                                |
|--------------------------------|--------------------------------|--|--------------------------------|
| <b>M1</b>                      |                                |  |                                |
| B.SP.02 # of Spans             | 3                              | 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                    | C02 - Concrete - unmodified    |
| B.SP.05 Span Continuity        | 2 - Continuous                 | 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 | 0 - None                       | B.SP.13 Deck Stay-In-Place Forms           | 0 - None                       |

| SUBSTRUCTURE SETS                 |                                |  |                         |
|-----------------------------------|--------------------------------|--|-------------------------|
| <b>A1</b>                         |                                |  |                         |
| 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                | F02 - Footing - on rock |
| B.SB.04 Substructure Type         | A01 - Abutment - cantilever/wa | B.SB.07 Foundation Protective System   | 0 - None                |
| <b>P1</b>                         |                                |  |                         |
| 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                | F02 - Footing - on rock |
| B.SB.04 Substructure Type         | B01 - Bent - column or open    | B.SB.07 Foundation Protective System   | 0 - None                |

| HIGHWAY FEATURES                        |                               |  |      |
|---|-------------------------------|--|------|
| <b>H1</b>                               |                               |  |      |
| B.F.02 Feature Location                 | C - Carried on bridge         | B.H.09 Annual ADT                              | 3200 |
| B.F.03 Feature Name                     | US 71B-Scott Co.              | B.H.10 Annual ADTT                             | 32   |
| 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 | 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                     |                               | B.H.16 Highway Max Usable Surface Width        | 40.6 |
| B.H.07 LRS Mile Point                   | 4.329                         | B.H.17 Bypass Detour Length                    | 6    |
| 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             | 1                         | 71                   | 2-T - TEMP - Two-way traffic - NS or EW | 2 - U.S. route     | 6 - Business         |



Team Lead: Eric West, Inspection Date: 03/17/2025

## 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                      | Poteau River Relief      | 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 and 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

03/17/2025 - EJW & JPW - Routine Inspection conducted on this date. Structure accessed from the ground.

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

Overall, the deck is in satisfactory condition. Sealable transverse, longitudinal, and map cracking on the driving surface of the deck.

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

Overall, the superstructure is in satisfactory condition with light cracking with efflorescence, and a few small spalls with exposed reinforcing steel.

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

Overall, the substructure is in satisfactory condition with abrasion at the base of the columns, concrete cracking and spalling with exposed reinforcing steel.

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#### 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.)

Overall, the channel is in good condition, the banks are vegetated and appear stable.

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#### A-15 - Late Reason (Weather / High Water)

02/06/2023 - RSM - Inspection 1 month late due to heavy workload.

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#### A-54 - Sealable Deck Cracks (Y)

The driving surface of the deck has sealable cracking in all spans.

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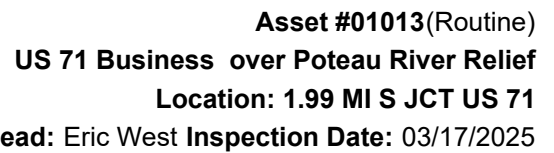
#### A-61 - Polymer Overlay Advised (Y)

Structure appears to be a good candidate for a polymer wearing surface.

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### National Bridge Element Quantities and Notes

| ELEMENTS  | DESCRIPTION                          | UNITS | TOTAL | CS1  | CS2 | CS3 | CS4 |
|---|--------------------------------------|-------|-------|------|-----|-----|-----|
| 16  | Reinforced Concrete Top Flange       | SF    | 4498  | 4172 | 311 | 15  | 0   |
| 1080  | Delamination/Spall/Patched Area      | SF    | 5     | 0    | 5   | 0   | 0   |
| 1120  | Efflorescence/Rust Staining          | SF    | 306   | 0    | 306 | 0   | 0   |
| 1130  | Cracking (RC and Other)              | SF    | 15    | 0    | 0   | 15  | 0   |
| 510   | Wearing Surfaces                     | SF    | 1680  | 1127 | 553 | 0   | 0   |
| 3220  | Crack (Wearing Surface)              | SF    | 553   | 0    | 553 | 0   | 0   |
| <p>(16) RC Top Flange: The original portion of the deck has a 2" concrete overlay, see drawing # 31106 for details. Transverse cracks with efflorescence at variable spacing is visible from the undersurface of the deck. Cracking is most notable in the widened portions of the deck where cracks appear to be at approximately 4' centers. Efflorescence is most notable on the right side of the widened area of the bridge.</p> <p>Deck undersurface has a few shallow delaminated areas in bay # 5 near bents # 2 and 3.</p> <p>Total Quantities: 5SF CS2 delamination, 306SF CS2 efflorescence, 15SF CS3 cracking.</p> <p>(510-16) Wearing Surface: The original portion of the deck has a 2" concrete overlay, see drawing # 31106 for details. Sealable transverse, longitudinal, and map cracking on the driving surface of the deck.</p> <p>Total Quantities: 553SF CS2 cracking.</p> |                                      |       |       |      |     |     |     |
| 110   | Reinforced Concrete Open Girder/Beam | LF    | 630   | 576  | 53  | 1   | 0   |
| 1090  | Exposed Rebar                        | LF    | 3     | 0    | 2   | 1   | 0   |
| 1120  | Efflorescence/Rust Staining          | LF    | 4     | 0    | 4   | 0   | 0   |
| 1130  | Cracking (RC and Other)              | LF    | 47    | 0    | 47  | 0   | 0   |
| <p>(110) RC Girders:</p> <p>Girders have hairline vertical cracks in isolated locations.</p> <p>Abutment # 1, girder # 4: girder has a 6" spall with exposed reinforcing steel.</p> <p>Abutment # 2, girder # 4: girder has a 5" spall with exposed reinforcing steel on right side and a 8" spall with exposed reinforcing steel on the left side.</p> <p>Span # 2, right: girders on right side of span # 2 have minor efflorescence in a few locations.</p> <p>Span # 3, girder # 4: girder near mid-span has isolated hoops that appear to have been placed against the forms during the construction process with no apparent section loss at this inspection.</p> <p>Total Quantities: 2LF CS2 &amp; 1LF CS3 corrosion, 4LF CS2 efflorescence, 47LF CS2 cracking.</p>   |                                      |       |       |      |     |     |     |
| 205   | Reinforced Concrete Column           | EA    | 8     | 2    | 6   | 0   | 0   |
| 1080  | Delamination/Spall/Patched Area      | EA    | 2     | 0    | 2   | 0   | 0   |
| 1190  | Abrasion/Wear (PSC/RC)               | EA    | 4     | 0    | 4   | 0   | 0   |
| <p>(205) RC Column:</p> <p>Bent # 2. columns # 2 &amp; 3 have light abrasion at the ground elevation.</p> <p>Total Quantities: 2EA CS2 spall, 4EA CS2 abrasion.</p>   |                                      |       |       |      |     |     |     |
| 210   | Reinforced Concrete Pier Wall        | LF    | 26    | 26   | 0   | 0   | 0   |
| <p>(210) RC Pier Wall: Bents # 2 and 3 have struts between columns # 2 and 3 quantified as pier walls.</p> <p>Bent # 2: strut has an area of light abrasion.</p> <p>Total Quantities:</p>   |                                      |       |       |      |     |     |     |
| 215   | Reinforced Concrete Abutment         | LF    | 127   | 111  | 8   | 8   | 0   |



| ELEMENTS  | DESCRIPTION                        | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|------------------------------------|-------|-------|-----|-----|-----|-----|
| 1080  | Delamination/Spall/Patched Area    | LF    | 3     | 0   | 1   | 2   | 0   |
| 1090  | Exposed Rebar                      | LF    | 4     | 0   | 0   | 4   | 0   |
| 1120  | Efflorescence/Rust Staining        | LF    | 3     | 0   | 3   | 0   | 0   |
| 1130  | Cracking (RC and Other)            | LF    | 6     | 0   | 4   | 2   | 0   |
| (215) RC Abutment:<br>Abutments # 1 and # 2: abutments have a 14" x 10" spall with an area of exposed reinforcing steel adjacent to girder # 4.<br>Minor vertical cracks in the abutments.<br>Abutment # 2: has a 4" spall with exposed reinforcing steel adjacent to girder # 3.<br>Total Quantities: 1LF CS2 & 2LF CS3 spall, 4LF CS3 rebar, 3LF CS2 efflorescence, 4LF CS2 & 2LF CS3 cracking. |                                    |       |       |     |     |     |     |
| 234   | Reinforced Concrete Pier Cap       | LF    | 87    | 86  | 1   | 0   | 0   |
| 1090  | Exposed Rebar                      | LF    | 1     | 0   | 1   | 0   | 0   |
| (234) RC Pier Cap:<br>Bent # 3 cap haunch undersurface at column # 2 has a 3" piece of reinforcing steel with no apparent section loss.<br>Total Quantities: 1LF CS2 cracking.  |                                    |       |       |     |     |     |     |
| 331   | Reinforced Concrete Bridge Railing | LF    | 210   | 201 | 9   | 0   | 0   |
| 1130  | Cracking (RC and Other)            | LF    | 9     | 0   | 9   | 0   | 0   |
| (331) RC Bridge Rail: Vertical cracks typical at the ends of the drain openings.<br>Total Quantities: 9LF CS2 cracking.   |                                    |       |       |     |     |     |     |



## Inspection Photos and Notes



Elevation



Undersurface, Span # 1: typical.



Undersurface, Span # 2: typical.



Abutment # 1: typical.





Bent # 2: typical.



Bent # 3: typical.



Abutment # 2: typical.



Downstream





Roadway



Sealable deck cracking.



Wearing surface: typical.



Abutment # 1, girder # 4: spalling with exposed reinforcing steel.





Abutment # 2, girder # 4: spalling with exposed reinforcing steel.



Abutment # 1, girder # 4: spalling with exposed reinforcing steel adjacent to girder # 4.



Abutment #2, girder # 4: spalling with exposed reinforcing steel adjacent to girder # 4.



Bridge Rail: typical.

### Maintenance Needs

**Date Reported:** 03/17/2025

**Priority:** C - Important

**Type of Work:** Approach Leveling/Maintenance

**Status:** Open

**Component:** Approach

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### Deficiency Description

Approach Roadway-  
The asphalt approach roadway is cracked and breaking apart with potholes forming.

### Remarks

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**03/17/2025**

North approach: asphalt breaking apart with potholes forming.



**03/17/2025**

South approach: asphalt breaking apart with potholes forming.



### Maintenance Needs

Date Reported: 02/27/2013

Priority: D- Routine

Type of Work: Superstructure Repair

Status: Monitor

Component: Superstructure

### Deficiency Description

Superstructure -

Girder # 4 at abutment # 1 has a 6" spall with exposed reinforcing steel. Girder # 4 at abutment # 2 has a moderate size spall with exposed reinforcing steel on left side and a 5" area of concrete deterioration with exposed reinforcing steel on the right side. The exposed reinforcing steel has initial section loss.

### Remarks



Girder # 4 at abutment # 1 has a 6" spall with exposed reinforcing steel. Girder # 4 at abutment # 2 has a moderate size spall with exposed reinforcing steel on left side and a 5" area of concrete deterioration with exposed reinforcing steel on the right side. The exposed reinforcing steel has initial section loss.



Abutment # 2, girder # 4-Spalling with exposed reinforcing steel.



### Maintenance Needs

**Date Reported:** 02/27/2013

**Priority:** D- Routine

**Type of Work:** Substructure Repair

**Status:** Monitor

**Component:** Substructure

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### Deficiency Description

Substructure -

Abutments # 1 and # 2 have moderate sized spalls with a small area of exposed reinforcing steel adjacent to girder # 4. Exposed reinforcing has initial section loss during this inspection.

### Remarks

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Abutment #2, girder # 4: spalling with exposed reinforcing steel adjacent to girder # 4.



Abutment # 1, girder # 4: spalling with exposed reinforcing steel adjacent to girder # 4.



Abutments # 1 and # 2 have moderate sized spalls with a small area of exposed reinforcing steel adjacent to girder # 4. Exposed reinforcing has initial section loss during this inspection. Abutment # 1 pictured.

## Routine Maintenance

### Check Box Maintenance Items

| Type of Maintenance                           | Is Recommended? |
|---|-----------------|
| A-54 - Sealable Deck Cracks                   | Yes             |
| 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                | Yes             |
| 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 (Yes)**

The driving surface of the deck has sealable cracking in all spans.



Sealable deck cracking.



**Asset #01013**(Routine)  
**US 71 Business over Poteau River Relief**  
**Location: 1.99 MI S JCT US 71**  
**Team Lead: Eric West Inspection Date: 03/17/2025**

**A-55 - Deck Washing Needed (No)**

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

**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 (Yes)**

Structure appears to be a good candidate for a polymer wearing surface.

**A-62 - Hydro and LMC Advised (No)**

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



**Asset #01013(Routine)**

**US 71 Business over Poteau River Relief**

**Location: 1.99 MI S JCT US 71**

**Team Lead: Eric West Inspection Date: 03/17/2025**

**A-64 - Vegetation Removal Requested (No)**

**A-65 - Clogged deck drains?**

**A-66 - Approach minor pothole/leveling needed**



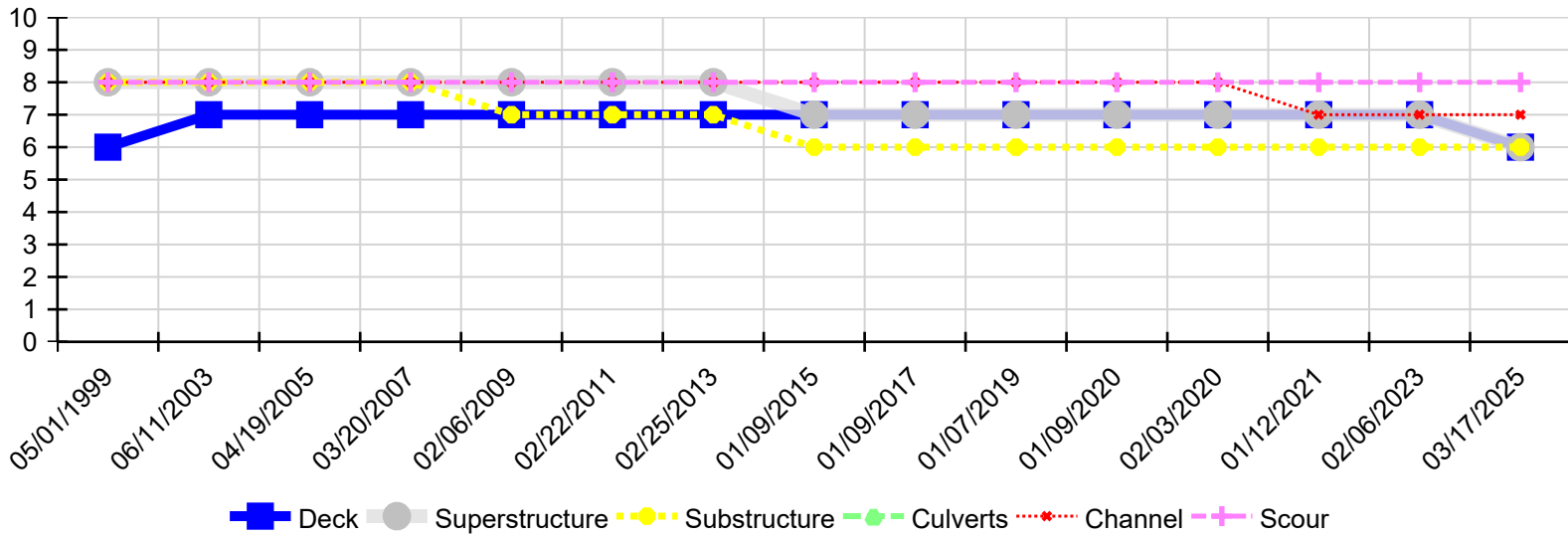


**Asset #01013(Routine)**  
**US 71 Business over Poteau River Relief**

**Location: 1.99 MI S JCT US 71**

**Team Lead: Eric West Inspection Date: 03/17/2025**

Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 03/17/2025      | 6    | 6              | 6            | N        | 7       | 8     |
| 02/06/2023      | 7    | 7              | 6            | N        | 7       | 8     |
| 01/12/2021      | 7    | 7              | 6            | N        | 7       | 8     |
| 02/03/2020      | 7    | 7              | 6            | N        | 8       | 8     |
| 01/09/2020      | 7    | 7              | 6            | N        | 8       | 8     |
| 01/07/2019      | 7    | 7              | 6            | N        | 8       | 8     |
| 01/09/2017      | 7    | 7              | 6            | N        | 8       | 8     |
| 01/09/2015      | 7    | 7              | 6            | N        | 8       | 8     |
| 02/25/2013      | 7    | 8              | 7            | N        | 8       | 8     |
| 02/22/2011      | 7    | 8              | 7            | N        | 8       | 8     |
| 02/06/2009      | 7    | 8              | 7            | N        | 8       | 8     |
| 03/20/2007      | 7    | 8              | 8            | N        | 8       | 8     |
| 04/19/2005      | 7    | 8              | 8            | N        | 8       | 8     |
| 06/11/2003      | 7    | 8              | 8            | N        | 8       | 8     |
| 05/01/1999      | 6    | 8              | 8            | N        | 8       | 8     |