

Bridge 05222 Inspection Report



Latitude:35.36145, Longitude:-90.65359

Route:42 Section:03 Log:8.1

Arnold Road ID:19x42x3xA, Arnold Log mile:8.097

District 01, 37 - Cross County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

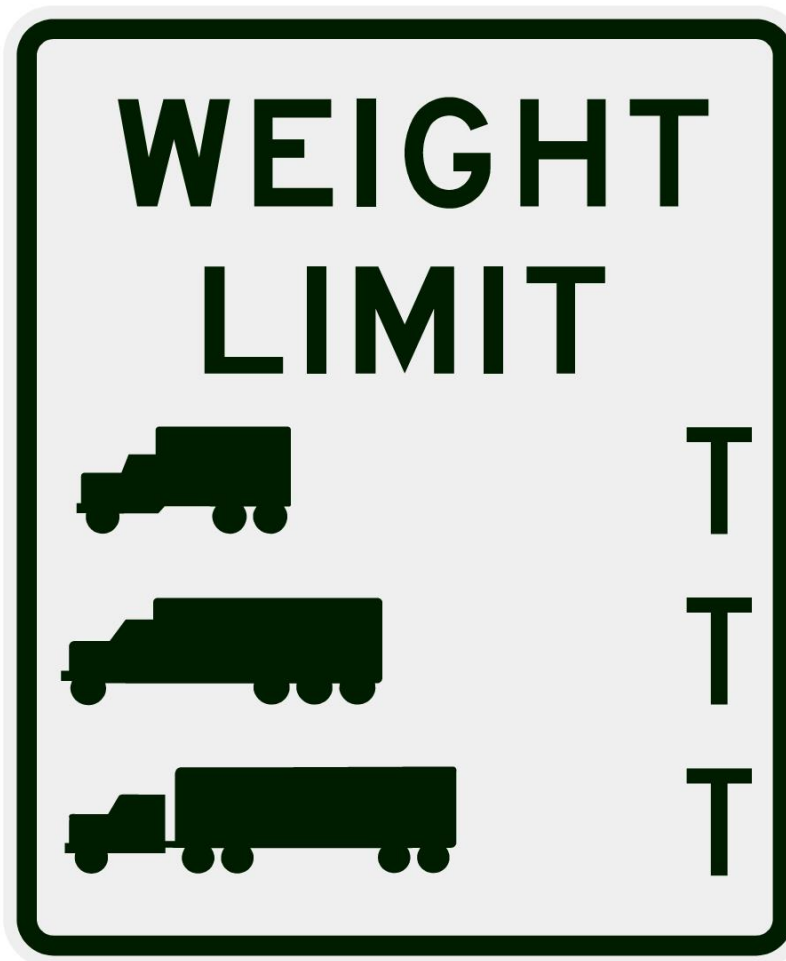
Bridge Posting Information

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

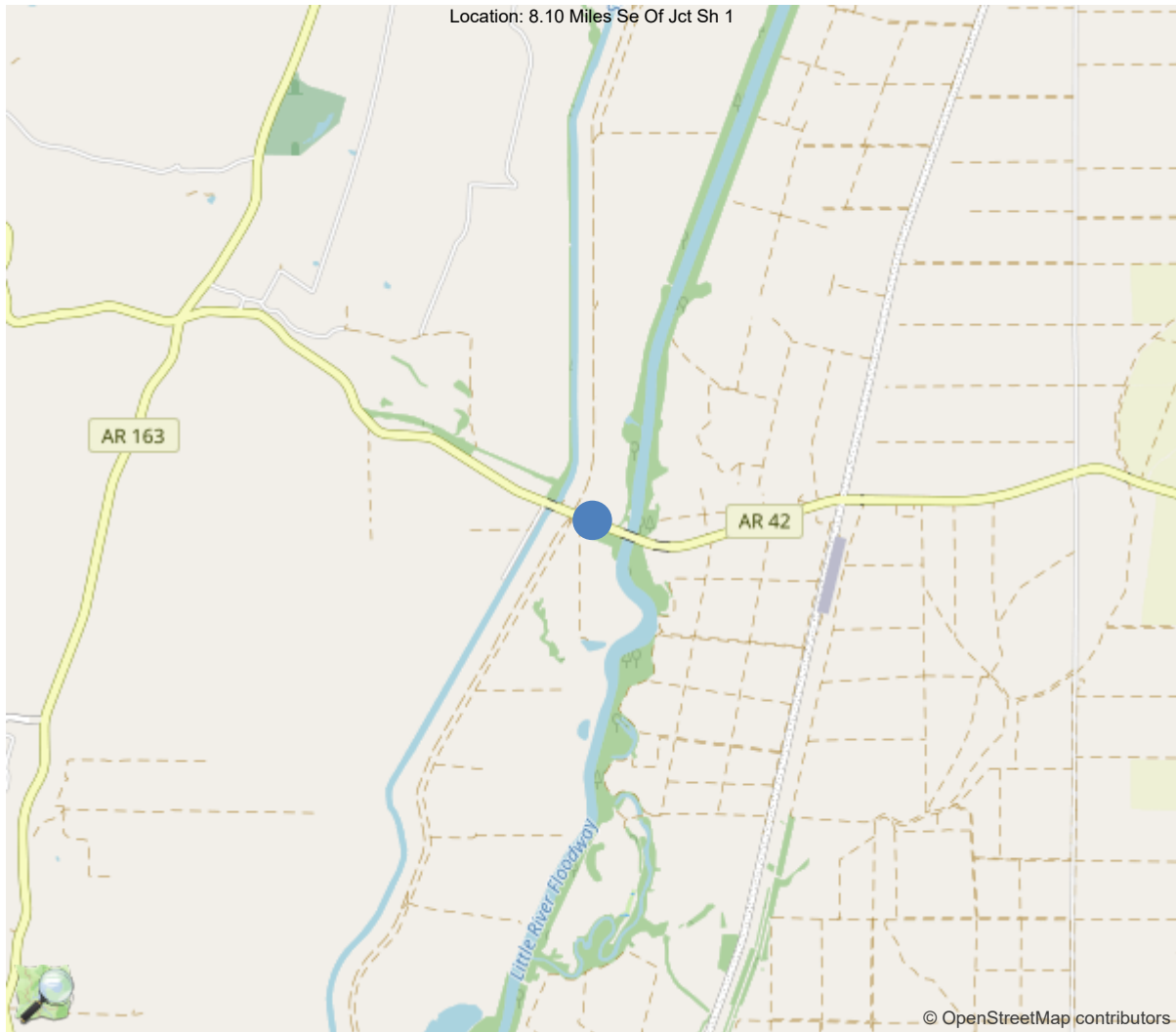
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 34 | | |
| Code 9 (31 Tons) | 41 | | |
| Code 5 (40 Tons) | 53 | | |

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



30"x36" AR



35.36145, -90.65359

National Bridge Inventory Data Sheet

| IDENTIFICATION | |
|---|--------------------------------|
| (1) State Names | 5 - Arkansas |
| (8) Structure Number | 05222 |
| (5) Inventory Route | 1 |
| (2) Highway Agency District | 01 - District 01 |
| (3) County Code | 37 - Cross County |
| (4) Place Code | 0 |
| (6) Features Intersected | St Francis River Relief |
| (7) Facility Carried | Sh-42/Sec-3/L-8.10 |
| (9) Location | 8.10 Miles Se Of Jct Sh 1 |
| (11) Mile Point | 8.1 mi |
| (12) Base Highway Network | No |
| (13) LRS Inventory Rte & Subrte | 0000000000 |
| (16) Latitude | 35.36145 |
| (17) Longitude | -90.65359 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 11 |
| Material | 1 - Concrete |
| Type | 1 - Slab |
| (44) Approach Structure Type | 00 |
| Material | 0 - Other |
| Type | 0 - Other |
| (45) No. of Spans in Main Unit | 4 |
| (46) No. of Approach Spans | 0 |
| (107) Deck Structure Type | 1 - Concrete Cast-in-Place |
| (108) Wearing Surface/Protective System | |
| Type of Wearing Surface | 6 - Bituminous |
| Type of Membrane | 0 - None |
| Type of Deck Protection | 0 - None |
| AGE AND SERVICE | |
| (27) Year Built | 1970 |
| (106) Year Reconstructed | 0 |
| (42) Type of Service | 19 |
| On | 1 - Highway |
| Under | 9 - Relief for waterway |
| (28) Lane | |
| On | 2 |
| Under | 0 |
| (29) Average Daily Traffic | 170 |
| (30) Year of ADT | 2024 |
| (109) Truck ADT | % |
| (19) Bypass, Detour Length | 16 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 25 ft |
| (49) Structure Length | 100 ft |
| (50) Curb or Sidewalk Width | |
| Left | 0.4 ft |
| Right | 0.4 ft |
| (51) Bridge Roadway Width Curb to Curb | 27.9 ft |
| (52) Deck Width Out to Out | 30 ft |
| (32) Approach Roadway Width (W/Shoulders) | 24 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 | 28 ft |
| (53) Min Vert Clear Over Bridge Rdwy | 99.99 ft |
| (54) Min Vert Underclear | 0 ft |
| Ref: | |
| (55) Min Lat Underclear RT | 0 ft |
| Ref: | |
| (56) Min Lat Underclear LT | 0 ft |
| NAVIGATION DATA | |
| (38) Navigation Control | 0 - No navigation control on w |
| (111) Pier Protection | 1 - Navigation protection not |
| (39) Navigation Vertical Clearance | 0 ft |
| (116) Vert-Lift Bridge Nav Min Vert Clear | 0 ft |
| (40) Navigation Horizontal Clearance | 0 ft |

| CLASSIFICATION | |
|--|---|
| (112) NBIS Bridge Length | Y |
| (104) Highway System | 0 |
| (26) Functional Class | 7 - Rural Major Collector |
| (100) Defense Highway | 0 - The inventory route is not |
| (101) Parallel Structure | N - No parallel structure exists |
| (102) Direction of Traffic | 2 - way traffic |
| (103) Temporary Structure | |
| (105) Federal Lands Highways | 0 - N/A |
| (110) Designated National Network | 0 - The inventory route is not |
| (20) Toll | 3 - On free road. The structure |
| (21) Maintain | 1 - State Highway Agency |
| (22) Owner | 1 - State Highway Agency |
| (37) Historical Significance | 5 - Bridge is not eligible for |
| CONDITION | |
| (58) Deck | 7 |
| (59) Superstructure | 7 |
| (60) Substructure | 7 |
| (61) Channel & Channel Protection | 8 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 5 - MS 18 / HS 20 |
| (63) Operating Rating Method | 1 |
| (64) Operating Rating | |
| Type | 1 - Load Factor(LF) |
| Rating | 57 |
| (65) Inventory Rating Method | 1 - Load Factor(LF) |
| (66) Inventory Rating | |
| Type | |
| Rating | 34 |
| (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 | 5 |
| (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 | 0 - Inspected feature does not meet |
| (36D) Approach Guardrail Ends | 1 - Inspected feature meets current |
| (113) Scour Critical Bridges | 7 - Countermeasures have been installed |
| 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 | 479 |
| (115) Year of Future ADT | 2028 |

| INSPECTIONS * | | | |
|--|------|-------------|------------|
| (90) Inspection Date | | | 01/06/2026 |
| (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: Myron Futrell, Inspection Date: 01/06/2026

Specifications for National Bridge Inventory Sheets

| IDENTIFICATION | |
|-----------------------------|-------|
| B.ID.01 Bridge Number | 05222 |
| B.ID.02 Bridge Name | |
| B.ID.03 Previous Bridge No. | |
| B.W.01 Year Built | 1970 |

| LOCATION | |
|--|---------------------------|
| B.L.01 State Code | 5 - Arkansas |
| B.L.02 County Code | 37 - Cross County |
| B.L.03 Place Code | 00000 - N/A |
| B.L.04 Highway Agency District | 01 - District 01 |
| B.L.05 Latitude | 35.36145 |
| B.L.06 Longitude | -90.65359 |
| 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 | 8.10 Miles Se Of Jct Sh 1 |
| 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 | 95.4 |
| B.G.02 Total Bridge Length | 100.1 |
| B.G.03 Max Span Length | 24.9 |
| B.G.04 Min Span Length | 21.5 |
| B.G.05 Bridge Width Out-to-Out | 29.9 |
| B.G.06 Bridge Width Curb-to-Curb | 27.9 |
| B.G.07 Left Curb or Sidewalk Width | 0.3 |
| B.G.08 Right Curb or Sidewalk Width | 0.3 |
| B.G.09 Approach Roadway Width | 24.9 |

| | |
|-----------------------------|---------------------------|
| 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 | 2993.0 |

| LOADS AND LOAD RATING | |
|--|-------------------------------------|
| B.LR.01 Design Load | HS20 - HS-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 | 0.94 |
| B.LR.06 Operating Load Rating Factor | 1.58 |
| B.LR.07 Controlling Legal Load Rating Factor | |
| B.LR.08 Routine Permit Loads | Bridge does not carry routine permi |

| 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 | 7 - GOOD - Some minor defects. |
| 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 | 7 - GOOD - Some minor defects. |
| B.C.07 Bridge Bearings Cond. | N - NOT APPLICABLE - Component |
| B.C.08 Bridge Joints Condition | 6 - SATISFACTORY - Widespread |
| B.C.09 Channel Condition Rating | 8 - VERY GOOD - Inherent defec |
| B.C.10 Channel Protection Condition | 9 - EXCELLENT - Isolated inher |
| B.C.11 Scour Condition Rating | 9 - No scour. |
| B.C.12 Bridge Condition Classification | G - Good |
| B.C.13 Lowest Condition Rating | 7 - GOOD - Some minor defects. |
| 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 | A - Seismic evaluation completed. B |

Team Lead: Myron Futrell, Inspection Date: 01/06/2026

| SPAN SETS | | | |
|--------------------------------|--------------------------------|--|--------------------------------|
| M1 | | | |
| B.SP.02 # of Spans | 4 | B.SP.08 Deck Interaction | IM - Integral or monolithic |
| B.SP.03 # of Beam Lines | 1 | B.SP.09 Deck Material and Type | C01 - Reinforced concrete - ca |
| B.SP.04 Span Material | C01 - Reinforced concrete - ca | B.SP.10 Wearing Surface | B01 - Bituminous (asphalt) |
| B.SP.05 Span Continuity | 1 - Simple or single span | B.SP.11 Deck Protective System | 0 - None |
| B.SP.06 Span Type | S02 - Slab - voided | 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 | 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 | 3 | 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 |

| HIGHWAY FEATURES | | | |
|---|--------------------------|--|------|
| H1 | | | |
| B.F.02 Feature Location | C - Carried on bridge | B.H.09 Annual ADT | 420 |
| B.F.03 Feature Name | Sh-42/Sec-3/L-8.10 | B.H.10 Annual ADTT | 4 |
| B.H.01 Functional Classification | 5 - Major Collector | B.H.11 Year of Annual ADT | 2018 |
| B.H.02 Urban Code | 99999 | B.H.12 Highway Max Usable Vertical Clearance | 99.9 |
| B.H.03 NHS Designation | N - Non-NHS | B.H.13 Highway Min Vertical Clearance | 99.9 |
| B.H.04 National Highway Freight Network | N - Not on the NHFN | B.H.14 Highway Min Horizontal Clearance, Left | |
| B.H.05 STRAHNET Designation | N - Not a STRAHNET route | B.H.15 Highway Min Horizontal Clearance, Right | |
| B.H.06 LRS Route ID | | B.H.16 Highway Max Usable Surface Width | 27.8 |
| B.H.07 LRS Mile Point | 8.1 | B.H.17 Bypass Detour Length | 16 |
| 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 | 42 | 2-T - TEMP - Two-way traffic - NS or EW | 3 - State route | 1 - Mainline |



Team Lead: Myron Futrell, Inspection Date: 01/06/2026

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 | St Francis 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 | 12/24/2025 |

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 #05222(Routine, Underwater type 2)

Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 01/06/2026

Inspection Notes

General Observation

Team Lead: Myron Futrell
Advanced Bridge Inspector: Charley Smith
Channel Cross Section done with weighted measuring tape.
No lane closure needed.
UAV was used for some photos.

Drawing numbers: 15821-22, 15083, 15086.

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Deck is reinforced concrete voided slab, so deck and superstructure are rated the same. Deck is in good condition with asphalt overlay on deck surface. Under surface has minor cracks, one with rust stains.

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Superstructure is a reinforced concrete voided slab, so deck and superstructure are rated the same. Superstructure is in good condition with minor cracks on side of slab one with light efflorescence.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Substructure is in good condition with minor spalls, and cracks some with exposed reinforcing steel. Substructure is reinforced concrete piles and caps.

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

Channel has good alignment with structure. Channel banks are well vegetated with rip rap under structure.

A-55 - Deck Washing Needed (Y)

Gutters have dirt and debris in them.

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

Log mile incorrect should read Sh-42, Section-3, Log mile-8.10. Abutment 2 log mile sign missing.

A-64 - Vegetation Removal Requested (Y)

Trees and brush are growing beside and under bridge.

B.C.05 Bridge Railing Condition Rating (7 - GOOD - Some minor defects.)

Bridge rails are in overall good condition. Left bridge rail has some minor collision damage and right bridge rail has a spacer missing.

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

Bridge rail transitions are in overall good condition.



Asset #05222(Routine, Underwater type 2)

Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 01/06/2026

B.C.08 Bridge Joints Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

Bridge joints are in overall satisfactory condition. Joints have been overlaid with ACHM allowing non-compressible materials to enter.

B.C.10 Channel Protection Condition Rating (9 - EXCELLENT - Isolated inherent defects)

Channel protection is overall excellent condition with little to no deficiencies.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)

No scour.

National Bridge Element Quantities and Notes

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|------|-----|-----|-----|
| 38 | RC Slab | SF | 3000 | 2978 | 0 | 22 | 0 |
| 1080 | Delamination/Spall/Patched Area | SF | 1 | 0 | 0 | 1 | 0 |
| 1120 | Efflorescence/Rust Staining | SF | 20 | 0 | 0 | 20 | 0 |
| 1130 | Cracking (RC and Other) | SF | 1 | 0 | 0 | 1 | 0 |
| 510 | Wearing Surfaces | SF | 2600 | 2360 | 0 | 240 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 240 | 0 | 0 | 240 | 0 |
| (38) Wearing surface: cracked at joints, and has several longitudinal and transverse cracks randomly spaced. 240SF CS3 (Cracking) Slab, span 2, left side, at bent 3: diagonal CS3 crack near bearing with light efflorescence. 1SF CS3 (Efflorescence) Sides of slab, in all spans: hairline vertical crack for 1'. 1SF CS3 (Cracking) Under surface, each span, has open longitudinal hairline cracks with rust staining in span 4. 19SF CS3 (Rust Staining) Under surface, span 3, at right side drain: 1' delaminated area. 1SF CS3 (Delam) | | | | | | | |
| 215 | Reinforced Concrete Abutment | LF | 72 | 72 | 0 | 0 | 0 |
| (215) No noted deficiencies. | | | | | | | |
| 227 | Reinforced Concrete Pile | EA | 12 | 12 | 0 | 0 | 0 |
| (227) No noted deficiencies. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 61 | 51 | 3 | 7 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 4 | 0 | 3 | 1 | 0 |
| 1090 | Exposed Rebar | LF | 6 | 0 | 0 | 6 | 0 |
| (234) Caps: vertical hairline cracks 4' to 6' apart. Bent 2, cap, on bottom, between piles 1,2 and 2,3: 1' spalls and left end each location has exposed reinforcing steel with minor section loss. 2LF CS3 (Rebar) Bent 2, cap, back face, right side corner: 1' spall no exposed reinforcing steel. 1LF CS2 (Spall) Bent 3, cap, right side, on bottom, beside pile 4: 1' spall with exposed reinforcing steel with minor section loss. 1LF CS3 (Rebar) Bent 3, cap, left side, on bottom, left side of pile 1: 6" pop off spall with exposed reinforcing steel minor section loss. 1LF CS3 (Rebar) Bent 3, cap, back face, at top, between pile 1 and 2: 1' delaminated area. 1LF CS2 (Delam) Bent 4, cap, ahead face, right end: 1' spall with no reinforcing steel exposed. 1LF CS2 (Spall) Bent 4, cap, on bottom, right end, beside pile 4: 1' spall with reinforcing steel exposed with minor section loss. 1LF CS3 (Rebar) Bent 4, cap, on bottom, between pile 2 and 3: 6" spall with reinforcing steel exposed with minor section loss. 1LF CS3 (Rebar) Bent 4, cap, on bottom, between piles 1 and 2: 1' delaminated area. 1LF CS2 (Delam) | | | | | | | |
| 301 | Pourable Joint Seal | LF | 150 | 0 | 0 | 150 | 0 |
| 2350 | Debris Impaction | LF | 150 | 0 | 0 | 150 | 0 |
| (301) Joints: covered with achm. 150LF CS3 (Debris Impaction) | | | | | | | |
| 330 | Metal Bridge Railing | LF | 200 | 173 | 27 | 0 | 0 |
| 1020 | Connection | LF | 1 | 0 | 1 | 0 | 0 |



Asset #05222(Routine, Underwater type 2)

Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell **Inspection Date:** 01/06/2026

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|--------------------------|-------|-------|-----|-----|-----|-----|
| 7000 | Damage | LF | 26 | 0 | 26 | 0 | 0 |
| 515 | Steel Protective Coating | SF | 600 | 600 | 0 | 0 | 0 |
| (330) Left bridge rail, various locations: minor collision damage. 8LF CS2 (Damage) Right bridge rail, spans 1,3 and 4: minor collision damage. 18LF CS2 (Damage) Abutment 2, left end post, at top: spalled with no exposed reinforcing steel. Bridge rail, span 4, third rail post: missing rail spacer. 1LF CS2 (Connection) Bridge rail, span 4, right side, next to last post: spalled with exposed reinforcing steel with no section loss. | | | | | | | |

Inspection Photos and Notes



Side view/elevation.



Top view/inventory.



Side view / elevation.



Aerial view.



Span 4, right side, rail post 4: 1' spall with exposed reinforcing steel at top.



Bridge rail, monument post, abutment 2, left side: spall for 1'.



Typical bridge rail, left side: collision damage.



Right side, bridge rail.



Left side, bridge rail.



Abutment 2, right approach rail.



Abutment 2, approach rail, left side.



Abutment 1, right side, approach guard rail.



Abutment 1, left side, approach guard rail.



Typical joint, bent 4.



Typical joint.



Abutment 1.



Typical deck.



Span 1, near center: typical cracking with rust stains.



Span 3, right side, by drain: 1' spall with exposed reinforcing steel.



Span 4, center span: typical longitudinal cracks with rust stains.



Abutment 1.



Bent 2, cap, bottom face, right side: 2' spall with exposed reinforcing steel.



Bent 2, cap, bottom face, between piles 2 and 3: six 1' spalls with exposed reinforcing steel.



Bent 3, cap, bottom face, left side of pile 1: 6" spall with exposed reinforcing steel.



Bent 3, cap, on bottom face, right of pile 4: 1' spall with exposed reinforcing steel.



Bent 4, between piles 1 and 2, bottom face: cracked and delaminated for 2'.



Bent 4, cap, bottom face, on each side of pile 3: delaminated for 6".



Typical pile.



Abutment 2.



Channel, right side.



Channel, left side.



Wood back wall, behind backface of bent 2.



Wood back wall, ahead face of bent 2.



Channel left side.



Channel left side.



Dirt and debris in gutters.



Abutment 2: log mile sign missing.



Abutment 1, log mile sign.



Trees and vegetation growing onto and beside bridge.



Left side, bridge rail.



Right side, bridge rail.



Abutment 1, left side, approach guard rail.



Abutment 1, right side, approach guard rail.



Abutment 2, approach rail, left side.



Abutment 2, right approach rail.

Maintenance Needs

Date Reported: 01/20/2022

Priority: D- Routine

Type of Work: Miscellaneous

Status: Monitor

Component: Bridge

Deficiency Description

Bridge rail, span 4, post 3: spacer is missing.

Remarks



Bridge rail, span 4, post 3: spacer is missing.



Asset #05222(Routine, Underwater type 2)

Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 01/06/2026

Routine Maintenance

Check Box Maintenance Items

| Type of Maintenance | Is Recommended? |
|---|-----------------|
| A-54 - Sealable Deck Cracks | No |
| A-55 - Deck Washing Needed | Yes |
| 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 | Yes |
| A-65 - Clogged deck drains? | No |
| A-66 - Approach minor pothole/leveling needed | No |

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (Yes)

Gutters have dirt and debris in them.



Dirt and debris in gutters.

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 (No)

A-62 - Hydro and LMC Advised (No)

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

Log mile incorrect should read Sh-42, Section-3, Log mile-8.10. Abutment 2 log mile sign missing.



Abutment 2: log mile sign missing.



Abutment 1, log mile sign.

A-64 - Vegetation Removal Requested (Yes)

Trees and brush are growing beside and under bridge.



Trees and vegetation growing onto and beside bridge.

A-65 - Clogged deck drains? (No)



Asset #05222(Routine, Underwater type 2)
Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 01/06/2026

A-66 - Approach minor pothole/leveling needed (No)



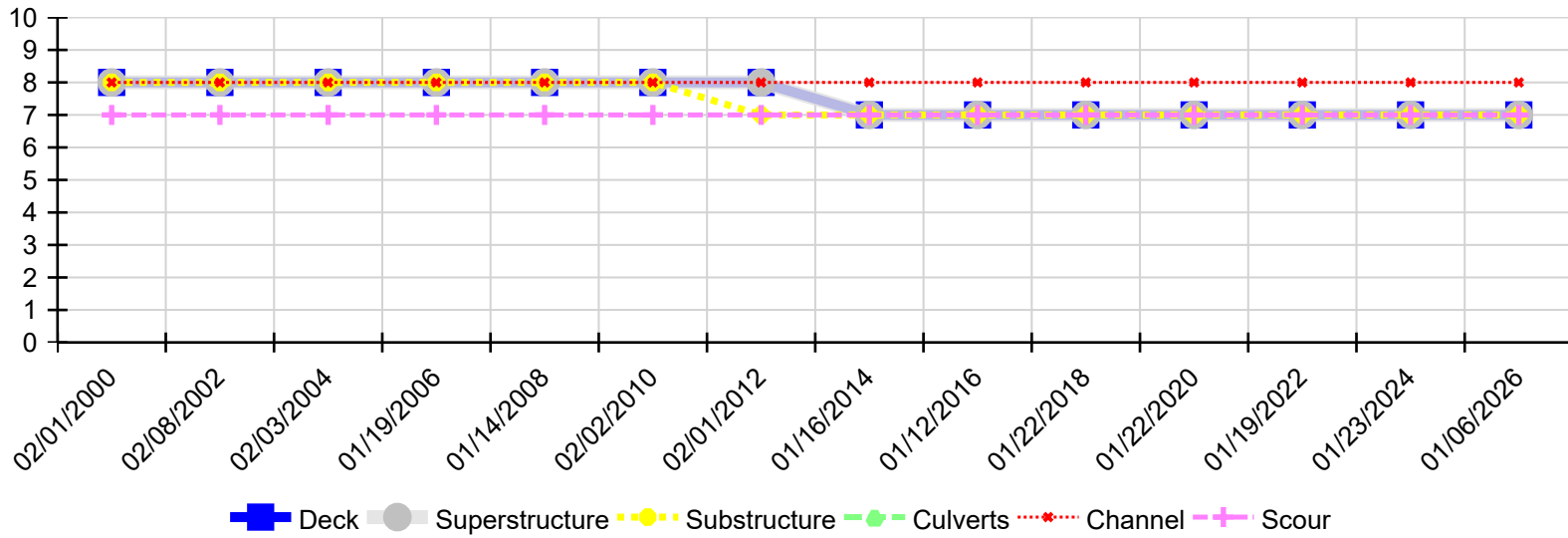
Asset #05222(Routine, Underwater type 2)

Sh-42/Sec-3/L-8.10 over St Francis River Relief

Location: 8.10 Miles Se Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 01/06/2026

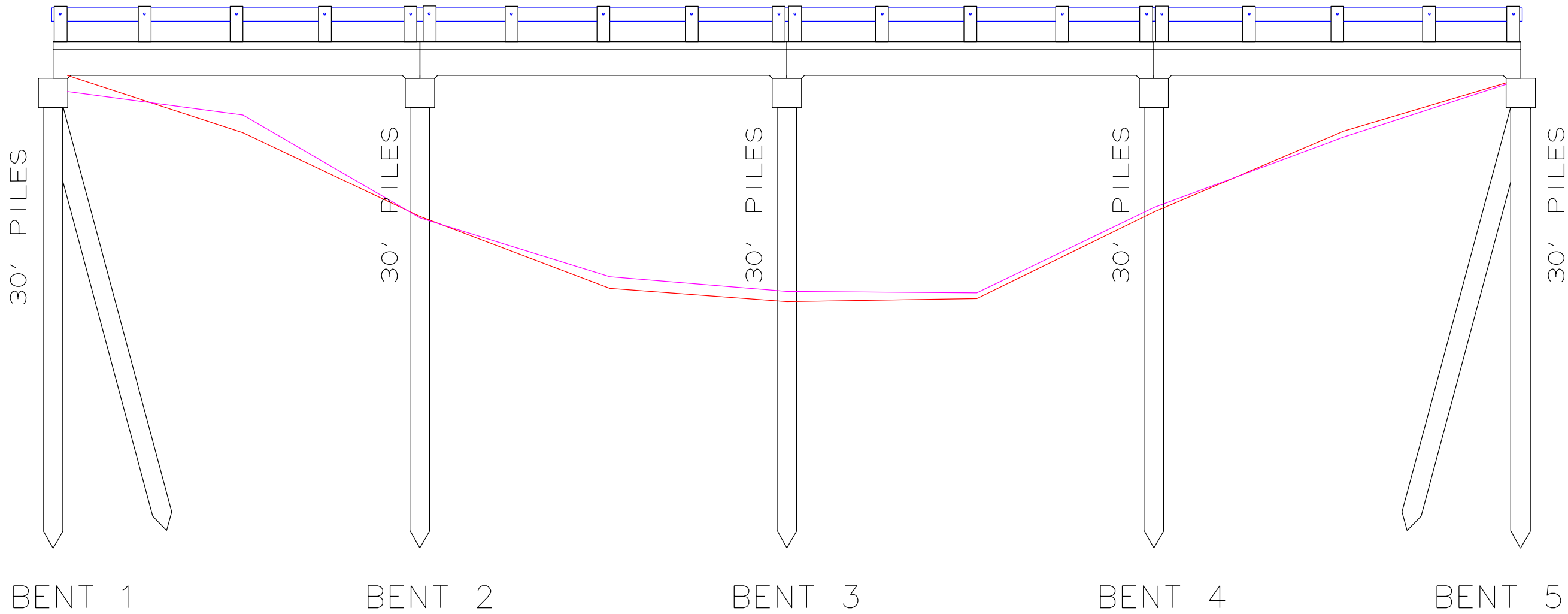
Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 01/06/2026 | 7 | 7 | 7 | N | 8 | 7 |
| 01/23/2024 | 7 | 7 | 7 | N | 8 | 7 |
| 01/19/2022 | 7 | 7 | 7 | N | 8 | 7 |
| 01/22/2020 | 7 | 7 | 7 | N | 8 | 7 |
| 01/22/2018 | 7 | 7 | 7 | N | 8 | 7 |
| 01/12/2016 | 7 | 7 | 7 | N | 8 | 7 |
| 01/16/2014 | 7 | 7 | 7 | N | 8 | 7 |
| 02/01/2012 | 8 | 8 | 7 | N | 8 | 7 |
| 02/02/2010 | 8 | 8 | 8 | N | 8 | 7 |
| 01/14/2008 | 8 | 8 | 8 | N | 8 | 7 |
| 01/19/2006 | 8 | 8 | 8 | N | 8 | 7 |
| 02/03/2004 | 8 | 8 | 8 | N | 8 | 7 |
| 02/08/2002 | 8 | 8 | 8 | N | 8 | 7 |
| 02/01/2000 | 8 | 8 | 8 | N | 8 | 7 |

BRIDGE #05222
CHANNEL PROFILE

Readings taken from top of bridge rail both sides



| | | | | | | | | | |
|------------------|------|------|-------|-------|-------|-------|-------|------|------|
| 01/07/2026 Right | 4.6' | 8.5' | 14.2' | 19.1' | 20.0' | 19.8' | 13.9' | 8.4' | 5.1' |
| 01/07/2026 Left | 5.7' | 7.3' | 14.3' | 18.3' | 19.3' | 19.4' | 13.6' | 8.8' | 5.2' |

1/6/2026 No water at time of inspection

| | | | | |
|--|------------------------|----------------------------|--------------------------|-----------------------|
| Right Side Sounding | Scale: 1"=8' | BRIDGE NO. 05222 | | BRIDGE OPERATIONS |
| Left Side Sounding | | Drawn By: CWS | Project: Channel Profile | |
| ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK. | Inspection Dir: W to E | Channel Flow: Edit | Checked By: CWS | Date: 1/7/2026 |