



Latitude:35.99710, Longitude:-94.17379

Route:71 Section:16 Log:20.116

Arnold Road ID:72x71x16xA, Arnold Log mile:20.053

District 04, 143 - Washington County

Owner: 1 - State Highway Agency

Bridge Posting Information

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

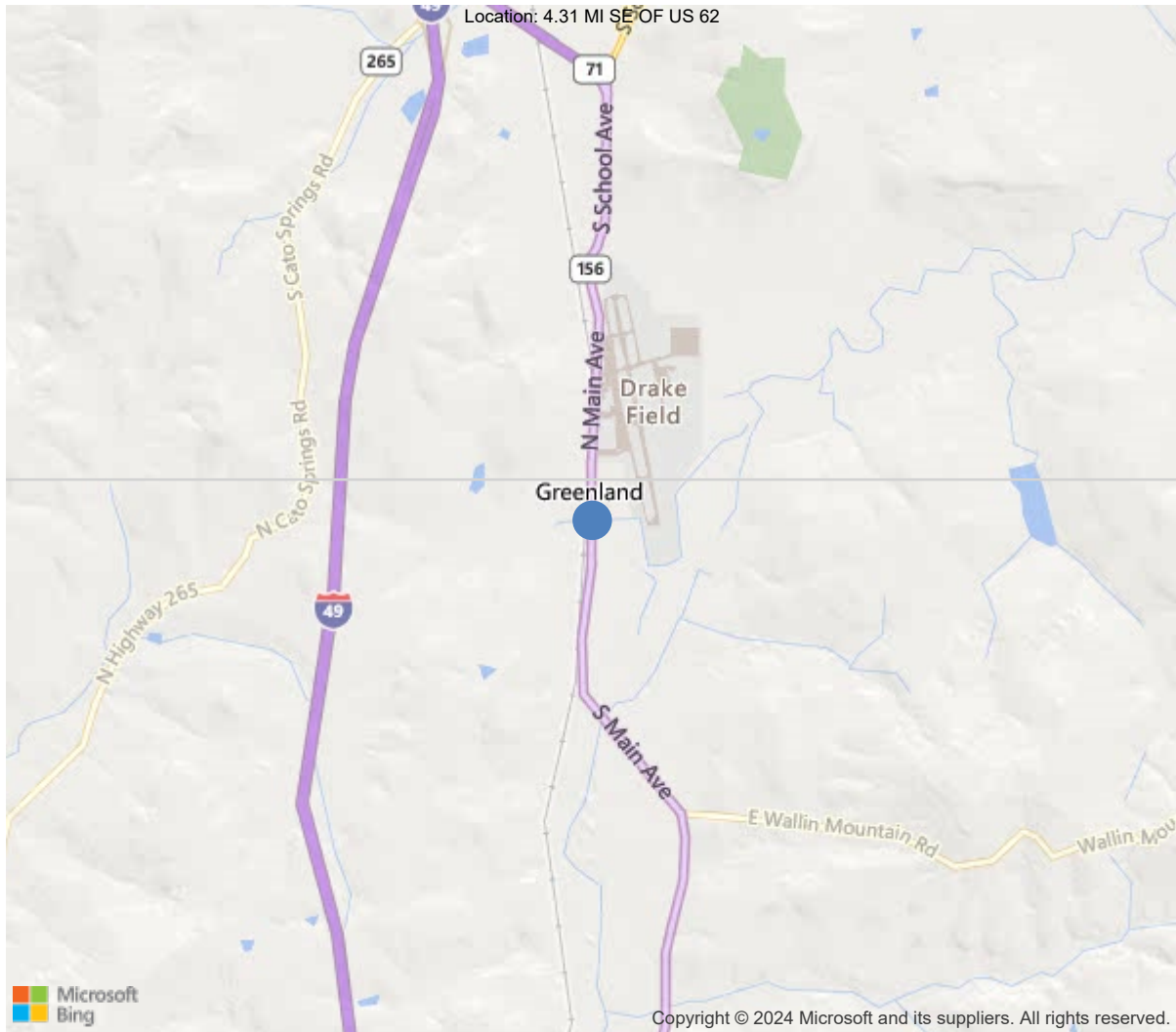
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 35 | | |
| Code 9 (31 Tons) | 40 | | |
| Code 5 (40 Tons) | 51 | | |

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



35.99710, -94.17379



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

| IDENTIFICATION | |
|---|--------------------------------|
| (1) State Names | 5 - Arkansas |
| (8) Structure Number | B1423 |
| (5) Inventory Route | 1 |
| (2) Highway Agency District | 04 - District 04 |
| (3) County Code | 143 - Washington County |
| (4) Place Code | 28660 |
| (6) Features Intersected | Barnett Creek |
| (7) Facility Carried | US 71 - Wash. Co. |
| (9) Location | 4.31 MI SE OF US 62 |
| (11) Mile Point | 20.116 mi |
| (12) Base Highway Network | Yes |
| (13) LRS Inventory Rte & Subrte | 0000071160 |
| (16) Latitude | 35.9971 |
| (17) Longitude | -94.17379 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 14 |
| Material | 1 - Concrete |
| Type | 4 - Tee 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 | 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 | 1930 |
| (106) Year Reconstructed | 1974 |
| (42) Type of Service | 55 |
| On | 5 - Highway-pedestrian |
| Under | 5 - Waterway |
| (28) Lane | |
| On | 4 |
| Under | 0 |
| (29) Average Daily Traffic | 8371 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 25 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 27 ft |
| (49) Structure Length | 55 ft |
| (50) Curb or Sidewalk Width | |
| Left | 4 ft |
| Right | 4 ft |
| (51) Bridge Roadway Width Curb to Curb | 49.9 ft |
| (52) Deck Width Out to Out | 60 ft |
| (32) Approach Roadway Width (W/Shoulders) | 49.9 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 | 58.1 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 | 16 - Urban 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 | 5 |
| (59) Superstructure | 5 |
| (60) Substructure | 5 |
| (61) Channel & Channel Protection | 6 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 4 - M 18 / H 20 |
| (63) Operating Rating Method | 1 |
| (64) Operating Rating | |
| Type | 1 - Load Factor(LF) |
| Rating | 51 |
| (65) Inventory Rating Method | 1 - Load Factor(LF) |
| (66) Inventory Rating | |
| Type | |
| Rating | 31 |
| (70) Bridge Posting | 5 - Equal to or above legal loads |
| (41) Structure Open/Posted/Closed | A - Open, no restriction |
| APPRAISAL | |
| (67) Structural Evaluation | |
| (68) Deck Geometry | 3 |
| (69) Clearances, Vertical/Horizontal | N |
| (71) Waterway Adequacy | 6 |
| (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 to |
| PROPOSED IMPROVEMENTS | |
| (75) Type of Work | 35 - Bridge rehabilitation bec |
| (76) Length of Structure Improvement | 55 ft |
| (94) Bridge Improvement Cost | \$ 0 |
| (95) Roadway Improvement Cost | \$ 0 |
| (96) Total Project Cost | \$ 147 |
| (97) Year of Improvement Cost Estimate | 2000 |
| (114) Future ADT | 12518 |
| (115) Year of Future ADT | 2028 |

| INSPECTIONS * | | | |
|--|------------|-------------|------|
| (90) Inspection Date | 08/22/2023 | | |
| (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. | | | |



Asset #B1423(Routine, Underwater type 2)

District: 04, County: 143 - Washington County

Team Lead: Eric West, Inspection Date: 08/22/2023

General Observation

08/22/2023 - EJW & JPW - Routine and Underwater Type II Inspection conducted on this date.

07/19/2021 - RSM & SPC: Routine inspection conducted this date. See element notes for documentation.

07/17/2019 - TJL - Elements were plan verified on this date.07/17/2019 - JCJ & TJL - Type 2 Underwater Inspection - Visual observations during low water conditions indicate that all footings have cover with no apparent scour problems during this inspection. Plan drawings specify that the footings have a minimum key of 1' 6" into rock.

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.)
08/22/2023 - EJW & JPW - Underwater Type II Inspection conducted on this date. Visual observation with low clear water conditions indicate the footings have cover with no apparent scour problems.

Channel-

-The channel is partially restricted by trees and vegetation.

A-15 - Late Reason (Optimize Schedule)

08/22/2023 - EJW - Structure inspected late due to heavy work load.

A-64 - Vegetation Removal Requested (Y)

Channel-

The channel is partially restricted by trees and vegetation.



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|--------------------------------------|-------|-------|------|-----|-----|-----|
| 16 | Reinforced Concrete Top Flange | SF | 1343 | 1238 | 92 | 13 | 0 |
| 1090 | Exposed Rebar | SF | 2 | 0 | 0 | 2 | 0 |
| 1120 | Efflorescence/Rust Staining | SF | 103 | 0 | 92 | 11 | 0 |
| 510 | Wearing Surfaces | SF | 1343 | 1048 | 0 | 295 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 295 | 0 | 0 | 295 | 0 |
| (16) -The ACHM wearing surface has transverse reflective cracking over bent # 2 and longitudinal reflective cracking over the construction joints where the structure was widened. -The undersurface of the deck has areas of longitudinal and transverse cracking with light efflorescence at variable spacing. -The undersurface has areas with map cracking with light efflorescence adjacent to the abutments. (510-16) -The wearing surface has cracking in the wheel paths and over the joints. | | | | | | | |
| 38 | RC Slab | SF | 1344 | 1317 | 27 | 0 | 0 |
| 1080 | Delamination/Spall/Patched Area | SF | 19 | 0 | 19 | 0 | 0 |
| 1090 | Exposed Rebar | SF | 1 | 0 | 1 | 0 | 0 |
| 1130 | Cracking (RC and Other) | SF | 7 | 0 | 7 | 0 | 0 |
| 510 | Wearing Surfaces | SF | 1234 | 1214 | 20 | 0 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 20 | 0 | 20 | 0 | 0 |
| (38) -The structure was widened on both sides in the past with concrete slab spans. -Delaminated areas and shallow spalling in the undersurface of the slab along both edges adjacent to the deck drains in both spans. | | | | | | | |
| 110 | Reinforced Concrete Open Girder/Beam | LF | 250 | 111 | 0 | 139 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 3 | 0 | 0 | 3 | 0 |
| 1090 | Exposed Rebar | LF | 11 | 0 | 0 | 11 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 125 | 0 | 0 | 125 | 0 |
| (110) -Beams # 1, 2, & 5 in span # 1, and beams # 1 and # 2 of span # 2 have heavy longitudinal and map cracking with heavy efflorescence. -Span # 1, girder # 2 has shallow spalling with exposed reinforcing steel along the bottom of the girder. Exposed reinforcing steel appears to be transverse secondary reinforcement. -The beam haunches at bent # 2 have map cracking, some with efflorescence. Span # 1, girder # 2 haunch at bent # 2 has wide mapcracking with spalling. -Span # 1, girder # 5 has two 6" shallow spalls near abutment # 1 and one 6" spall approximately 7' from bent # 2. -Span # 2, girder # 1 has a 4" shallow spall with exposed reinforcing steel located 2' from bent # 2. Exposed steel has initial section loss. The undersurface of the girder has a 5' long delaminated area adjacent to abutment # 2. -Span # 2, girders # 3 & 4 have a spall with exposed reinforcing steel with active corrosion and initial section loss at the end of the girder over bent # 2. | | | | | | | |
| 205 | Reinforced Concrete Column | EA | 6 | 3 | 1 | 2 | 0 |
| 1120 | Efflorescence/Rust Staining | EA | 2 | 0 | 0 | 2 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | EA | 1 | 0 | 1 | 0 | 0 |



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|------------------------------------|-------|-------|-----|-----|-----|-----|
| (205) -Bent # 2, columns # 2 & 3 have map cracking with efflorescence. -Light scale and minor abrasion at the base of the columns. | | | | | | | |
| 210 | Reinforced Concrete Pier Wall | LF | 35 | 0 | 35 | 0 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 5 | 0 | 5 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 7 | 0 | 7 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 23 | 0 | 23 | 0 | 0 |
| (210) Bent # 2 - -Light abrasion along the base of the pier wall on the span # 1 side. | | | | | | | |
| 215 | Reinforced Concrete Abutment | LF | 152 | 69 | 63 | 20 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 2 | 0 | 2 | 0 | 0 |
| 1090 | Exposed Rebar | LF | 1 | 0 | 0 | 1 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 19 | 0 | 0 | 19 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 61 | 0 | 61 | 0 | 0 |
| (215) -Light map cracking with efflorescence and light abrasion on the edges of the abutments adjacent to the wing wall junctures in the original section of the structure. -Abutment # 1 column # 3 has 2 horizontal sections of exposed reinforcing steel. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 53 | 33 | 8 | 12 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 4 | 0 | 2 | 2 | 0 |
| 1090 | Exposed Rebar | LF | 4 | 0 | 0 | 4 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 6 | 0 | 0 | 6 | 0 |
| 1130 | Cracking (RC and Other) | LF | 6 | 0 | 6 | 0 | 0 |
| (234) Bent # 2 - -Map cracking with efflorescence in the haunches beneath concrete girders # 1 & 2. -Bent # 2 has light map cracking on both sides of the cap under bays # 2 & 3. -Bent # 2 backface has a 2' shallow spall with efflorescence in the bearing area of girder # 5. -Bent # 2 Rt aheadface has an approximately 2' long spall with exposed reinforcing steel between girders # 4 & 5. | | | | | | | |
| 302 | Compression Joint Seal | LF | 61 | 1 | 0 | 60 | 0 |
| 2350 | Debris Impaction | LF | 57 | 0 | 0 | 57 | 0 |
| 2360 | Adjacent Deck or Header | LF | 3 | 0 | 0 | 3 | 0 |
| (302) -Driving surface of the deck has an asphalt overlay and joints were not visible at this inspection. -Spalling with exposed reinforcing steel in the expansion dam in span # 2 bay # 3. | | | | | | | |
| 330 | Metal Bridge Railing | LF | 110 | 110 | 0 | 0 | 0 |
| (330) -Metal portions of the bridge railing have no apparent problems during this inspection. | | | | | | | |
| 331 | Reinforced Concrete Bridge Railing | LF | 110 | 91 | 13 | 6 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 1 | 0 | 1 | 0 | 0 |
| 1090 | Exposed Rebar | LF | 6 | 0 | 0 | 6 | 0 |

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|-------------------------|-------|-------|-----|-----|-----|-----|
| 1130 | Cracking (RC and Other) | LF | 12 | 0 | 12 | 0 | 0 |
| (331) -Concrete portions of the bridge railing have spalls with exposed reinforcing steel. -The right bridge railing in span # 2 has hairline map cracking and 1 minor spall. -There are spalls with exposed reinforcing steel visible from the undersurface of the side walk on the right side of span # 2. | | | | | | | |

Deck

[illegible]

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|--------------------------------------|-------|-------|-----|-----|-----|-----|
| 110 | Reinforced Concrete Open Girder/Beam | LF | 250 | 111 | 0 | 139 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 3 | 0 | 0 | 3 | 0 |
| 1090 | Exposed Rebar | LF | 11 | 0 | 0 | 11 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 125 | 0 | 0 | 125 | 0 |
| <p>(110) -Beams # 1, 2, & 5 in span # 1, and beams # 1 and # 2 of span # 2 have heavy longitudinal and map cracking with heavy efflorescence.</p> <p>-Span # 1, girder # 2 has shallow spalling with exposed reinforcing steel along the bottom of the girder. Exposed reinforcing steel appears to be transverse secondary reinforcement.</p> <p>-The beam haunches at bent # 2 have map cracking, some with efflorescence. Span # 1, girder # 2 haunch at bent # 2 has wide mapcracking with spalling.</p> <p>-Span # 1, girder # 5 has two 6" shallow spalls near abutment # 1 and one 6" spall approximately 7' from bent # 2.</p> <p>-Span # 2, girder # 1 has a 4" shallow spall with exposed reinforcing steel located 2' from bent # 2. Exposed steel has initial section loss. The undersurface of the girder has a 5' long delaminated area adjacent to abutment # 2.</p> <p>-Span # 2, girders # 3 & 4 have a spall with exposed reinforcing steel with active corrosion and initial section loss at the end of the girder over bent # 2.</p> | | | | | | | |



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

Substructure

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|-----|-----|-----|-----|
| 205 | Reinforced Concrete Column | EA | 6 | 3 | 1 | 2 | 0 |
| 1120 | Efflorescence/Rust Staining | EA | 2 | 0 | 0 | 2 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | EA | 1 | 0 | 1 | 0 | 0 |
| (205) -Bent # 2, columns # 2 & 3 have map cracking with efflorescence. -Light scale and minor abrasion at the base of the columns. | | | | | | | |
| 210 | Reinforced Concrete Pier Wall | LF | 35 | 0 | 35 | 0 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 5 | 0 | 5 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 7 | 0 | 7 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 23 | 0 | 23 | 0 | 0 |
| (210) Bent # 2 - -Light abrasion along the base of the pier wall on the span # 1 side. | | | | | | | |
| 215 | Reinforced Concrete Abutment | LF | 152 | 69 | 63 | 20 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 2 | 0 | 2 | 0 | 0 |
| 1090 | Exposed Rebar | LF | 1 | 0 | 0 | 1 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 19 | 0 | 0 | 19 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 61 | 0 | 61 | 0 | 0 |
| (215) -Light map cracking with efflorescence and light abrasion on the edges of the abutments adjacent to the wing wall junctures in the original section of the structure. -Abutment # 1 column # 3 has 2 horizontal sections of exposed reinforcing steel. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 53 | 33 | 8 | 12 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 4 | 0 | 2 | 2 | 0 |
| 1090 | Exposed Rebar | LF | 4 | 0 | 0 | 4 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 6 | 0 | 0 | 6 | 0 |
| 1130 | Cracking (RC and Other) | LF | 6 | 0 | 6 | 0 | 0 |
| (234) Bent # 2 - -Map cracking with efflorescence in the haunches beneath concrete girders # 1 & 2. -Bent # 2 has light map cracking on both sides of the cap under bays # 2 & 3. -Bent # 2 backface has a 2' shallow spall with efflorescence in the bearing area of girder # 5. -Bent # 2 Rt aheadface has an approximately 2' long spall with exposed reinforcing steel between girders # 4 & 5. | | | | | | | |

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.)

Comment: 08/22/2023 - EJW & JPW - Underwater Type II Inspection conducted on this date. Visual observation with low clear water conditions indicate the footings have cover with no apparent scour problems.

Channel-

-The channel is partially restricted by trees and vegetation.



Roadway



Typical driving surface.



Span # 1 typical undersurface.



Bent # 2 typical.



Downstream



Upstream



Span # 2 bay # 1 deck haunch over Bent # 2 spalling with exposed reinforcing steel.



Cracking in the asphalt wearing surface.



Span # 2 Lt concrete spalling and delaminating adjacent to the deck drains.



Span # 2 Rt concrete delamination adjacent to the deck drains.



Span # 2 girder # 4 spalling with exposed reinforcing steel over Bent # 2.



Span # 1 & 2 Girder # 3 spalling with exposed reinforcing steel.



Span # 2 girders # 1 & 2 efflorescence buildup.



Span # 1 girder # 2 haunch cracking.



Span # 1 beam # 5 efflorescence buildup.



Span # 1 beams # 1 & 2 efflorescence buildup.



Bent # 2, columns # 2 & 3 have map cracking with efflorescence.



Abutment # 1 column # 3 exposed reinforcing steel.



Abutment # 1 cracking with efflorescence buildup.



Span # 2 Rt spalling with exposed reinforcing steel.



Span # 1 girder # 5 spalling in the bearing area.



Span # 2 Lt exposed reinforcing steel.



Upstream



Downstream

Maintenance Needs

Date Reported: 08/12/2011

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Substructure, Bent # 2 Cap -

The ahead face of Bent # 2 cap has spalling with exposed reinforcing steel adjacent to girder # 4.

Remarks



The ahead face of Bent # 2 cap has spalling with exposed reinforcing steel adjacent to girder # 4.



The ahead face of Bent # 2 cap has spalling with exposed reinforcing steel adjacent to girder # 4.

Maintenance Needs

Date Reported: 08/12/2011

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Slab Undersurface -

Delaminated/Spalled areas with exposed reinforcing steel along the edges of the slab undersurface adjacent to the deck drains in both spans.

The undersurface of the pedestrian sidewalk on the right side has areas of spalling with exposed reinforcing steel.

Remarks



Span # 2 Lt concrete spalling and delaminating adjacent to the deck drains.



Span # 2. Right overhang. Exposed reinforcing steel.

Maintenance Needs

Date Reported: 07/03/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Substructure, Bent # 2 -

The cap and beam haunches have map cracking with efflorescence. The expansion material between the girder haunch and cap haunch is missing at span # 1, girder # 4 at bent # 2.

Remarks



Span # 1 girder # 2 haunch cracking.



Span # 1 side of Bent # 2. Left side.

Maintenance Needs

Date Reported: 07/03/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Superstructure -

Span # 2, girder # 1 has a 4" shallow spall with exposed reinforcing steel located 2' from bent # 2. Exposed steel has initial section loss. The undersurface of the girder has a 5' long delaminated area adjacent to abutment # 2.

The end of Girders # 3 & 4 in Span # 2 over Bent # 2 have a shallow spall that exposes reinforcing steel that has active corrosion with initial section loss.

Remarks



Span # 1 & 2 Girder # 3 spalling with exposed reinforcing steel.



Span # 2 girder # 4 spalling with exposed reinforcing steel over Bent # 2.



Span # 2 girder # 4 spalling with exposed reinforcing steel over Bent # 2.



Exposed reinforcing steel in the end of Girder # 4 over Bent # 2.

Maintenance Needs

Date Reported: 07/03/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Superstructure -

The concrete Tee beams in both spans have longitudinal and map cracking with heavy efflorescence.

Remarks



Span # 1 beam # 5 efflorescence buildup.



Span # 2 girders # 1 & 2 efflorescence buildup.



Girders # 1 & 2 in Span # 2-Mapcracking with efflorescence.

Maintenance Needs

Date Reported: 07/03/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Deck -

The undersurface of the deck has areas of map cracking with efflorescence adjacent to the bents and between the girders.

Remarks



Span # 2 bay # 1 deck haunch over Bent # 2 spalling with exposed reinforcing steel.



Deck soffit. Span # 2. Bay # 1.

Maintenance Needs

Date Reported: 07/20/2021

Priority: D- Routine

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

Status: Monitor

Component: Channel

Deficiency Description

Channel under Span # 2 -

Span # 2 is restricted by approximately 3' of streambed material accumulation.

Remarks



Span # 2 is restricted by approximately 3' of streambed material accumulation.



Span # 2 is restricted by approximately 3' of streambed material accumulation.



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, **Inspection Date:** 08/22/2023

Routine Maintenance

Check Box Maintenance Items

| Type of Maintenance | Is recommended? |
|--|-----------------|
| A-54 - Sealable Deck Cracks | |
| A-55 - Deck Washing Needed | |
| A-56 - Joint Cleaning/Flushing Needed | |
| A-57 - Beam End and Bearing Paint Needed | |
| A-58 - Cap Cleaning/Flushing Needed | |
| A-59 - Joint Repair Needed | |
| A-60 - Full Beam Painting Needed | |
| A-61 - Polymer Overlay Advised | |
| A-62 - Hydro and LMC Advised | |
| A-63 Missing/Incorrect Log Mile Signage | |
| A-64 - Vegetation Removal Requested | Yes |

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested (Yes)

Channel-

The channel is partially restricted by trees and vegetation.



Upstream



Downstream



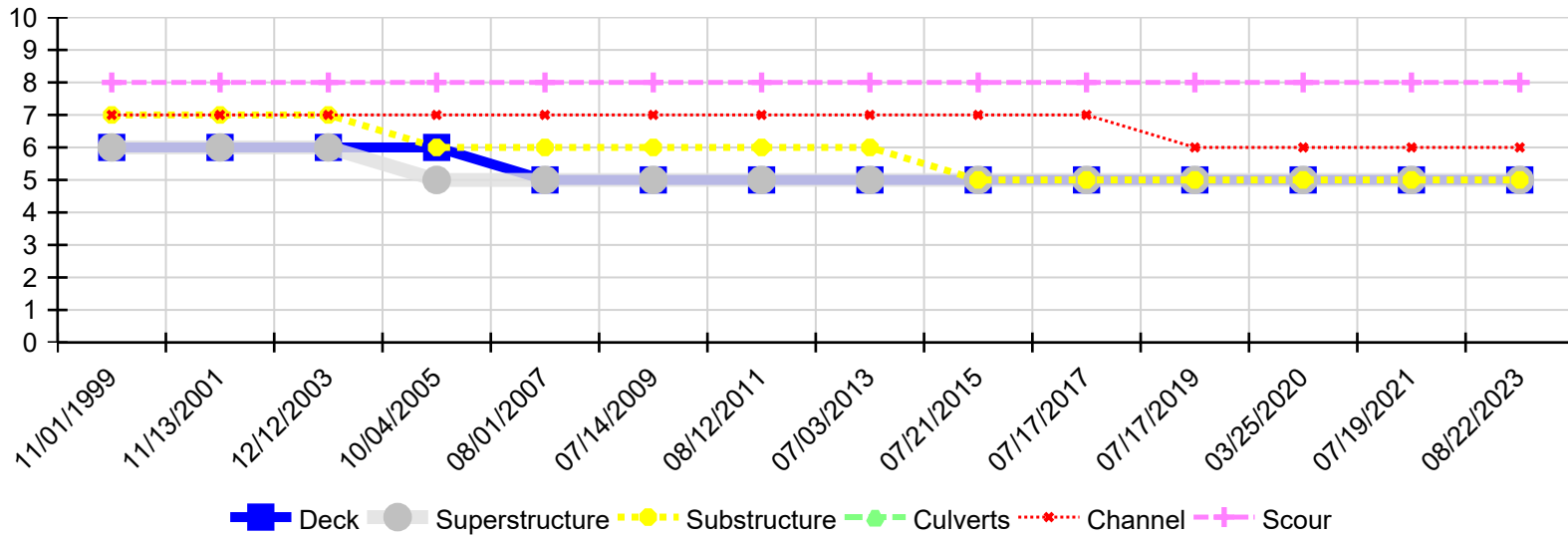
Asset #B1423(Routine, Underwater type 2)

US 71 - Wash. Co. over Barnett Creek

Location: 4.31 MI SE OF US 62

Team Lead: Eric West, Inspection Date: 08/22/2023

Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 08/22/2023 | 5 | 5 | 5 | N | 6 | 8 |
| 07/19/2021 | 5 | 5 | 5 | N | 6 | 8 |
| 03/25/2020 | 5 | 5 | 5 | N | 6 | 8 |
| 07/17/2019 | 5 | 5 | 5 | N | 6 | 8 |
| 07/17/2017 | 5 | 5 | 5 | N | 7 | 8 |
| 07/21/2015 | 5 | 5 | 5 | N | 7 | 8 |
| 07/03/2013 | 5 | 5 | 6 | N | 7 | 8 |
| 08/12/2011 | 5 | 5 | 6 | N | 7 | 8 |
| 07/14/2009 | 5 | 5 | 6 | N | 7 | 8 |
| 08/01/2007 | 5 | 5 | 6 | N | 7 | 8 |
| 10/04/2005 | 6 | 5 | 6 | N | 7 | 8 |
| 12/12/2003 | 6 | 6 | 7 | N | 7 | 8 |
| 11/13/2001 | 6 | 6 | 7 | N | 7 | 8 |
| 11/01/1999 | 6 | 6 | 7 | N | 7 | 8 |