

Bridge A3617 Inspection Report



Latitude:35.03052, Longitude:-90.81070

Route:40 Section:51 Log:239.44

Arnold Road ID:68x40x51xB, Arnold Log mile:45.09

District 01, 123 - St. Francis County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

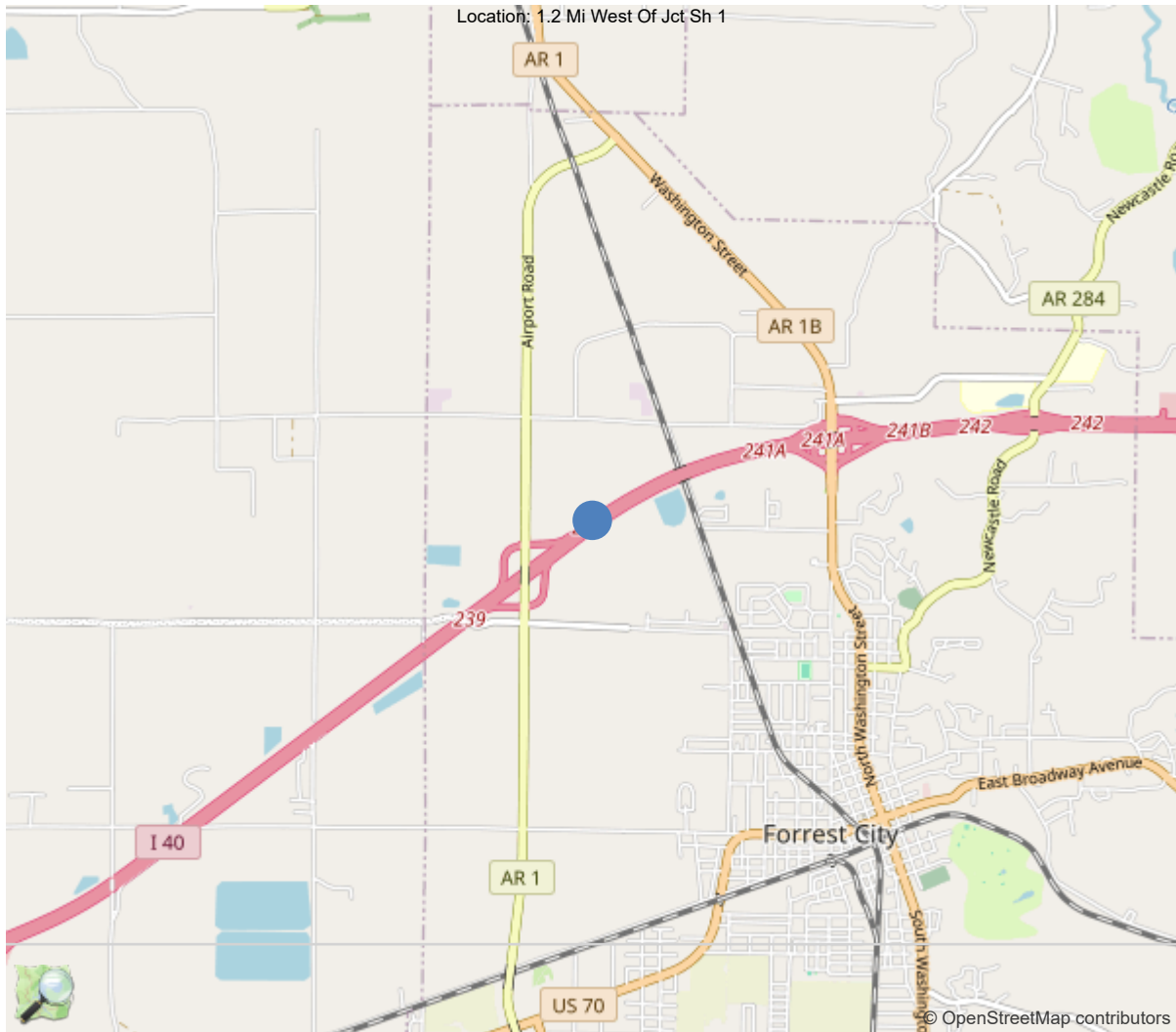
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 40 | | |
| Code 9 (31 Tons) | 50 | | |
| Code 5 (40 Tons) | 60 | | |

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



35.03052, -90.81070

National Bridge Inventory Data Sheet

| IDENTIFICATION | |
|---|--------------------------------|
| (1) State Names | 5 - Arkansas |
| (8) Structure Number | A3617 |
| (5) Inventory Route | 1 |
| (2) Highway Agency District | 01 - District 01 |
| (3) County Code | 123 - St. Francis County |
| (4) Place Code | 24430 |
| (6) Features Intersected | Drainage Ditch |
| (7) Facility Carried | I-40WB/Se51/239.44 |
| (9) Location | 1.2 Mi West Of Jct Sh 1 |
| (11) Mile Point | 239.44 mi |
| (12) Base Highway Network | Yes |
| (13) LRS Inventory Rte & Subrte | 0000040510 |
| (16) Latitude | 35.030521 |
| (17) Longitude | -90.810699 |
| (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 | 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 | 5 - Epoxy Overlay |
| Type of Membrane | 0 - None |
| Type of Deck Protection | 0 - None |
| AGE AND SERVICE | |
| (27) Year Built | 1965 |
| (106) Year Reconstructed | 2015 |
| (42) Type of Service | 15 |
| On | 1 - Highway |
| Under | 5 - Waterway |
| (28) Lane | |
| On | 2 |
| Under | 0 |
| (29) Average Daily Traffic | 29000 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 51 % |
| (19) Bypass, Detour Length | 3 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 30 ft |
| (49) Structure Length | 90 ft |
| (50) Curb or Sidewalk Width | |
| Left | 0 ft |
| Right | 0 ft |
| (51) Bridge Roadway Width Curb to Curb | 39.7 ft |
| (52) Deck Width Out to Out | 42.3 ft |
| (32) Approach Roadway Width (W/Shoulders) | 38.1 ft |
| (33) Bridge Median | 0 - No median |
| (34) Skew | 52 Deg |
| (35) Structure Flared | 0 - No flare |
| (10) Inventory Route Min Vert Clear | 99.99 ft |
| (47) Inventory Route Total Horiz Clear | 39.7 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 | 1 |
| (26) Functional Class | 11 - Urban Principal Arterial |
| (100) Defense Highway | 1 - The inventory route is on |
| (101) Parallel Structure | L - The left structure of para |
| (102) Direction of Traffic | 1 - 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 | 5 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 6 - MS 18+Mod / HS 20+Mod |
| (63) Operating Rating Method | 1 |
| (64) Operating Rating | |
| Type | 1 - Load Factor(LF) |
| Rating | 60 |
| (65) Inventory Rating Method | 1 - Load Factor(LF) |
| (66) Inventory Rating | |
| Type | |
| Rating | 36 |
| (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 | 5 - 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 | 22628 |
| (115) Year of Future ADT | 2027 |

| INSPECTIONS * | | | |
|--|------|-------------|------------|
| (90) Inspection Date | | | 04/16/2024 |
| (91) Frequency | | | 24 |
| (92) Critical Feature Inspection | Done | Freq. (Mon) | Date |
| A: Fracture Critical Detail | No | | |
| B: Underwater Inspection | No | | |
| C: Other Special Inspection | No | | |
| * The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted. | | | |



Team Lead: Myron Futrell, Inspection Date: 04/16/2024

Specifications for National Bridge Inventory Sheets

| IDENTIFICATION | |
|-----------------------------|-------|
| B.ID.01 Bridge Number | A3617 |
| B.ID.02 Bridge Name | |
| B.ID.03 Previous Bridge No. | |
| B.W.01 Year Built | 1965 |

| LOCATION | |
|--|--------------------------|
| B.L.01 State Code | 5 - Arkansas |
| B.L.02 County Code | 123 - St. Francis County |
| B.L.03 Place Code | 24430 - Forrest City |
| B.L.04 Highway Agency District | 01 - District 01 |
| B.L.05 Latitude | 35.030521 |
| B.L.06 Longitude | -90.810699 |
| 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 | 1.2 Mi West 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 | 85.4 |
| B.G.02 Total Bridge Length | 89.9 |
| B.G.03 Max Span Length | 29.9 |
| B.G.04 Min Span Length | 26.5 |
| B.G.05 Bridge Width Out-to-Out | 42.3 |
| B.G.06 Bridge Width Curb-to-Curb | 39.7 |
| B.G.07 Left Curb or Sidewalk Width | 0 |
| B.G.08 Right Curb or Sidewalk Width | 0 |
| B.G.09 Approach Roadway Width | 38.1 |

| | |
|-----------------------------|---------------------------|
| B.G.10 Bridge Median | 0 - No median |
| B.G.11 Skew | 52 |
| B.G.12 Curved Bridge | N - Not curved |
| B.G.13 Max Bridge Height | 12 |
| B.G.14 Sidehill Bridge | N - Not a sidehill bridge |
| B.G.15 Irregular Deck Area | |
| B.G.16 Calculated Deck Area | 3804.6 |

| LOADS AND LOAD RATING | |
|--|----------------------------|
| B.LR.01 Design Load | HS20M - HS-20 and Military |
| 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 | 1 |
| B.LR.06 Operating Load Rating Factor | 1.67 |
| B.LR.07 Controlling Legal Load Rating Factor | |
| B.LR.08 Routine Permit Loads | |

| INSPECTION REQUIREMENTS | |
|----------------------------------|-------------------------------------|
| B.IR.01 NSTM Inspection Required | N - NSTM inspection not required. |
| B.IR.02 Fatigue Details | |
| B.IR.03 UW Inspection Required | N - Underwater inspection not requi |
| B.IR.04 Complex Feature | N - Bridge does not have complex fe |

| COMPONENT CONDITION RATINGS | |
|---|--------------------------------|
| B.C.01 Deck Condition Rating | 6 - SATISFACTORY - Widespread |
| B.C.02 Superstructure Condition | 6 - SATISFACTORY - Widespread |
| B.C.03 Substructure Condition | 6 - SATISFACTORY - Widespread |
| B.C.04 Culvert Condition | N - NOT APPLICABLE - Component |
| B.C.05 Bridge Railing Condition | 6 - SATISFACTORY - Widespread |
| B.C.06 Bridge Railing Transitions Condition | 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 | 5 - FAIR - Moderate defects; b |
| B.C.10 Channel Protection Condition | 5 - FAIR - Some moderate defec |
| B.C.11 Scour Condition Rating | 5 - Moderate scour; strength a |
| 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 | AB-T - TEMP - Stable for scour, pos |
| B.AP.04 Scour Plan of Action | 0 - A scour POA is not required. |
| B.AP.05 Seismic Vulnerability | 0 - Seismic evaluation not complete |

| SPAN SETS | | | |
|--------------------------------|--------------------------------|--|--------------------------------|
| M1 | | | |
| B.SP.02 # of Spans | 3 | 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 | P01 - Polymer - epoxy |
| 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 | 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 | 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 | 29000 |
| B.F.03 Feature Name | I-40WB/Se51/239.44 | B.H.10 Annual ADTT | 14790 |
| B.H.01 Functional Classification | 1 - Interstate | B.H.11 Year of Annual ADT | 2018 |
| B.H.02 Urban Code | T-U | B.H.12 Highway Max Usable Vertical Clearance | 99.9 |
| B.H.03 NHS Designation | Y - 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 | 1 - STRAHNET route | B.H.15 Highway Min Horizontal Clearance, Right | |
| B.H.06 LRS Route ID | 40510 | B.H.16 Highway Max Usable Surface Width | 39.6 |
| B.H.07 LRS Mile Point | 239.44 | B.H.17 Bypass Detour Length | 3 |
| 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 | R01 | 40W | 1-T - TEMP - One-way traffic - NB or EB or SB or WB | 1 - Interstate route | 1 - Mainline |



Team Lead: Myron Futrell, Inspection Date: 04/16/2024

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 | Drainage Ditch | B.N.04 Navigation Channel Width | |
| B.N.01 Navigable Waterway | N - Not navigable waters | B.N.05 Navigation Channel Min Horizontal Clearance | |
| B.N.02 Navigation Min Vertical Clearance | | B.N.06 Substructure Navigation Protection | |

POSTING STATUS DATA

| | |
|-----------------------------|------------------------------------|
| B.PS.01 Load Posting Status | B.PS.02 Posting Status Change Date |
| PO - Permanent - Open | |

LOAD EVALUATION AND POSTING

| | | | |
|----------------------------------|----------------------------------|----------------------|-----------------------|
| B.EP.01 Legal Load Configuration | B.EP.02 Legal Load Rating Factor | B.EP.03 Posting Type | B.EP.04 Posting Value |
|----------------------------------|----------------------------------|----------------------|-----------------------|



Asset #A3617(Routine, Underwater type 2)

I-40WB/Se51/239.44 over Drainage Ditch

Location: 1.2 Mi West Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 04/16/2024

Inspection Notes

General Observation

Team Lead-Myron Futrell
Assisting Bridge Inspector-Charley Smith
All areas accessed by foot.
No lane closure required for inspection.

Drawing numbers: 12129, 12122b.

36C - Approach Guardrail (1 - Inspected feature meets currently acceptable standards.*)

Abutment 2, right approach rail, mid span: approximately 15' moderate collision damage.

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

Deck is in overall satisfactory condition. Hydro demolition has been performed on deck and an epoxy wearing surface has also been applied. Only a minor amount of missing joint material is noted as a defect. Deck is rated at 6 due to condition of slab.

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

Voided slab superstructure is in overall satisfactory condition. Soffit / undersurface has longitudinal cracking, some with rust staining and efflorescence. There is a minor amount of spalling with exposed reinforcing steel and delaminated areas. Top of slab has epoxy wearing surface. Ends of slabs have minor spalling at bents.

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

Concrete substructure is in overall satisfactory condition. Abutment slopes have areas minor to moderate erosion with several piles being exposed due to undermining of caps. Abutment 1 cap has minor cracking. Bents 2 and 3 pile caps have several moderate spalls, one with exposed reinforcing steel. There are a few pieces of exposed reinforcing steel due to poor concrete coverage.

4-6-2022 lowered substructure from 7 to 6 due to cap deficiencies and erosion at abutments.

61 - Channel/Channel Protection (5 - Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel.)

Channel is in fair overall condition. Channel alignment at structure is fair, bridge has 52 degree skew. Abutment slopes have minor to moderate erosion exposing several piles, otherwise slopes are well vegetated. Channel, both sides, has vegetation growth restricting flow.

A-55 - Deck Washing Needed (Y)

Dirt and debris in gutters.

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

No log mile sign.



Asset #A3617(Routine, Underwater type 2)

I-40WB/Se51/239.44 over Drainage Ditch

Location: 1.2 Mi West Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 04/16/2024

A-64 - Vegetation Removal Requested (Y)

Vegetation growing beside, under and onto bridge.

National Bridge Element Quantities and Notes

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|------|------|-----|-----|
| 38 | RC Slab | SF | 3780 | 2415 | 1000 | 365 | 0 |
| 1080 | Delamination/Spall/Patched Area | SF | 2 | 0 | 0 | 2 | 0 |
| 1090 | Exposed Rebar | SF | 3 | 0 | 0 | 3 | 0 |
| 1120 | Efflorescence/Rust Staining | SF | 360 | 0 | 0 | 360 | 0 |
| 1130 | Cracking (RC and Other) | SF | 1000 | 0 | 1000 | 0 | 0 |
| 510 | Wearing Surfaces | SF | 3510 | 3510 | 0 | 0 | 0 |
| (38) Deck has been hydro-blasted and a latex modified overlay and epoxy coated wearing surface has been added. All spans, soffit / undersurface of deck: several open cracks with areas of light efflorescence and rust staining. Efflorescence and rust staining 360SF CS3, Cracking 1000SF CS2 Span 3, soffit / undersurface of deck, near pile 3, at abutment 2: 2' delaminated area with a 3' spall with exposed reinforcing steel having minor section loss. Delam 2SF CS3, Rebar 3SF CS3 | | | | | | | |
| 215 | Reinforced Concrete Abutment | LF | 161 | 142 | 19 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 3 | 0 | 3 | 0 | 0 |
| 6000 | Scour | LF | 16 | 0 | 16 | 0 | 0 |
| (215) Abutment 1, slope: minor erosion a few inches deep under cap, exposing piles 3 and 4 slightly, area at pile 3 has sandbags placed. 6LF CS2 Abutment 1, cap, ahead face right side has two 2' longitudinal CS2 crack and a vertical CS2 crack. 3LF CS2 Abutment 2, slope, left side: eroded to cap, four feet from left end of cap, with erosion veins extending down slope. 6LF CS2 Abutment 2, cap, at pile 7: undermined for 4' up to 2 1/2' deep exposing pile, with erosion veins extending down slope. 4LF CS2 | | | | | | | |
| 227 | Reinforced Concrete Pile | EA | 19 | 19 | 0 | 0 | 0 |
| (227) Abutment 1, piles 3 and 4: slightly exposed due to erosion. Abutment 2, pile 7: exposed due to erosion. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 143 | 129 | 0 | 14 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 7 | 0 | 0 | 7 | 0 |
| 1090 | Exposed Rebar | LF | 7 | 0 | 0 | 7 | 0 |
| (234) Bent 2, pile cap, back face, between piles 6 and 7, at top: 2' spall with no exposed reinforcing steel. 2LF CS3 Bent 2, pile cap, bottom face, between piles 4 and 5 and piles 6 and 7: several pieces of exposed reinforcing steel with moderate section loss. 4LF CS3 Bent 2, pile cap, right end, top face: scaling with one foot spall back face top edge no exposed reinforcing steel. 1LF CS3 Bent 3, pile cap, back face, between piles 2 and 3, at top: 1' spall with no exposed reinforcing steel. 1LF CS3 Bent 3, pile cap, back face, between piles 4 and 5, at top: 2' spall with no exposed reinforcing steel. 2LF CS3 Bent 3, pile cap, back face, between piles 6 and 7, at top: 1' spall with no reinforcing steel. 1LF CS3 Bent 3, pile cap, back face, at bottom edge, at pile 8: 3' spall with exposed reinforcing steel with minor section loss. 3LF CS3 | | | | | | | |
| 301 | Pourable Joint Seal | LF | 272 | 271 | 0 | 0 | 1 |

Inspection Photos and Notes



Side view / elevation



Top view / inventory



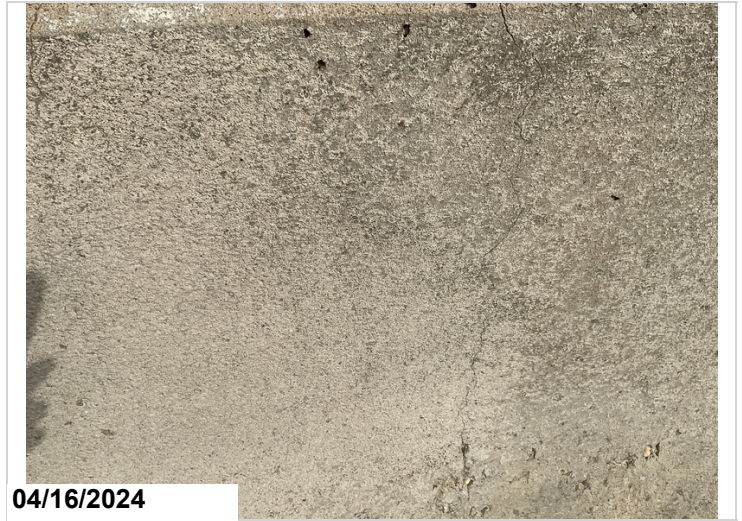
Google Earth aerial view



Name plate



Bridge rail, right side



Typical vertical cracking in bridge rail



Bridge rail, left side



Abutment 2, approach rail, left side.



Abutment 2, approach rail, right side



Abutment 2, right approach rail, mid span: approximately 15' moderate collision damage.



Span 3, soffit / undersurface of deck



Span 1, soffit / undersurface of deck



Span 2, soffit / undersurface of deck



Typical deck



Soffit / undersurface of deck, span 3, near pile 3, at abutment 2: 2' delaminated area with a 3' spall with exposed reinforcing steel having minor section loss. Delam 2SF CS3, Rebar 3SF CS3



Abutment 2



Bent 2, pile cap, back face



Abutment 1, slope: minor erosion a few inches deep under cap, exposing piles 3 and 4 slightly, area at pile 3 has sandbags placed.



Bent 3, pile cap, back face



Bent 2, ahead face



04/16/2024

Bent 2, pile cap, right end, top: is scaling with one foot spall back face top edge no exposed rebar.



04/16/2024

Bent 3, pile cap, back face, at bottom: 3' spall with exposed reinforcing steel with minor section loss on bottom edge at pile 8.



04/16/2024

Channel, right side



04/16/2024

Channel, left side



04/16/2024

Dirt and debris in gutters



04/16/2024

No log mile sign



04/16/2024

Vegetation growing beside, under and onto bridge.



04/16/2024

Abutment 2, approach slab



Abutment 1 approach slab

Maintenance Needs

Date Reported: 04/07/2020

Priority: B - Pressing

Status: Open

Type of Work: Approach Leveling/Maintenance

Component: Approach

Deficiency Description

Abutment 1, approach roadway, right lane, at edge of approach slab: two 1' x 6" spalls in overlay.

Abutment 2, approach roadway, left lane, at end of approach slab: 1' x 6" spall and a 3' long x 10" wide x 6" deep spall.

Remarks

5/1/2024-Reopened as a B priority due to increased spalling of approach roadway at abutment 2 approach slab.



04/16/2024

Abutment 2, approach roadway, left lane, at end of approach slab: 1' x 6" spall and a 3' long x 10" wide x 6" deep spall.



04/16/2024

Abutment 1, approach roadway, right lane, at edge of approach slab: two 1' x 6" spalls in overlay.

Maintenance Needs

Date Reported: 04/07/2020

Priority: C - Important

Type of Work: Channel Work/Drift Removal

Status: Assigned

Component: Channel

Deficiency Description

Abutment 2, slope, left side: eroded to cap, four feet from left end of cap, with erosion veins extending down slope.
Abutment 2, cap, at pile 7: undermined for 4' up to 2 1/2' deep exposing pile.

Remarks



04/16/2024

Abutment 2, cap, at pile 7: undermined for 4' up to 2 1/2' deep exposing pile.



04/16/2024

Abutment 2, slope, left side: eroded to cap, four feet from left end of cap, with erosion veins extending down slope.

Maintenance Needs

Date Reported: 05/01/2024

Priority: C - Important

Type of Work: Repair (General)

Status: Open

Component: Miscellaneous

Deficiency Description

Abutment 2, approach rail, right side, mid span: approximately 15' moderate collision damage.

Remarks



04/16/2024

Abutment 2, approach rail, right side, mid span:
approximately 15' moderate collision damage.

Maintenance Needs

Date Reported: 04/07/2022

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Abutment 1, slope: minor erosion a few inches deep under cap.

Remarks



Abutment #1 has minor erosion a few inches deep under cap.



Asset #A3617(Routine, Underwater type 2)

I-40WB/Se51/239.44 over Drainage Ditch

Location: 1.2 Mi West Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 04/16/2024

Routine Maintenance

Check Box Maintenance Items

| Type of Maintenance | Is Recommended? |
|---|-----------------|
| A-54 - Sealable Deck Cracks | |
| A-55 - Deck Washing Needed | Yes |
| 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 | Yes |
| A-64 - Vegetation Removal Requested | Yes |
| A-65 - Clogged deck drains? | |
| A-66 - Approach minor pothole/leveling needed | |

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed (Yes)

Dirt and debris in gutters.



Dirt and debris in gutters

A-56 - Joint Cleaning/Flushing Needed

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Girder Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

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

No log mile sign.



No log mile sign

A-64 - Vegetation Removal Requested (Yes)

Vegetation growing beside, under and onto bridge.



Vegetation growing beside, under and onto bridge.

A-65 - Clogged deck drains?



Asset #A3617(Routine, Underwater type 2)

I-40WB/Se51/239.44 over Drainage Ditch

Location: 1.2 Mi West Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 04/16/2024

A-66 - Approach minor pothole/leveling needed



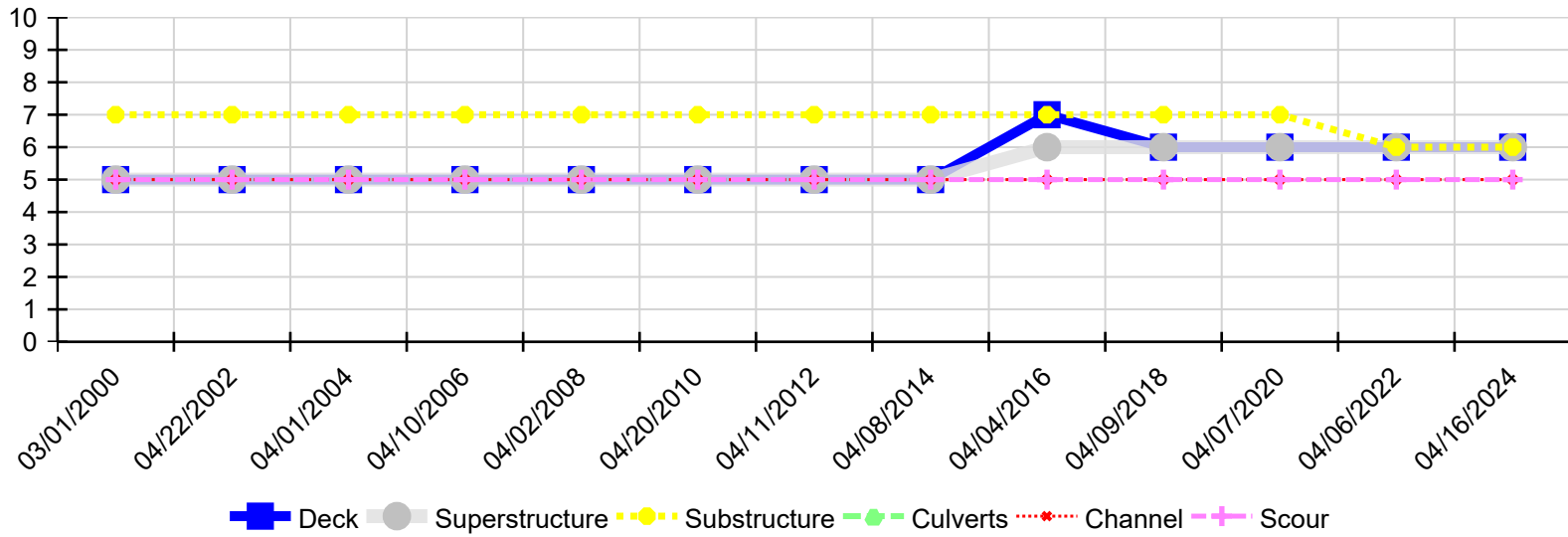
Asset #A3617(Routine, Underwater type 2)

I-40WB/Se51/239.44 over Drainage Ditch

Location: 1.2 Mi West Of Jct Sh 1

Team Lead: Myron Futrell Inspection Date: 04/16/2024

Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 04/16/2024 | 6 | 6 | 6 | N | 5 | 5 |
| 04/06/2022 | 6 | 6 | 6 | N | 5 | 5 |
| 04/07/2020 | 6 | 6 | 7 | N | 5 | 5 |
| 04/09/2018 | 6 | 6 | 7 | N | 5 | 5 |
| 04/04/2016 | 7 | 6 | 7 | N | 5 | 5 |
| 04/08/2014 | 5 | 5 | 7 | N | 5 | 5 |
| 04/11/2012 | 5 | 5 | 7 | N | 5 | 5 |
| 04/20/2010 | 5 | 5 | 7 | N | 5 | 5 |
| 04/02/2008 | 5 | 5 | 7 | N | 5 | 5 |
| 04/10/2006 | 5 | 5 | 7 | N | 5 | 5 |
| 04/01/2004 | 5 | 5 | 7 | N | 5 | 5 |
| 04/22/2002 | 5 | 5 | 7 | N | 5 | 5 |
| 03/01/2000 | 5 | 5 | 7 | N | 5 | 5 |