



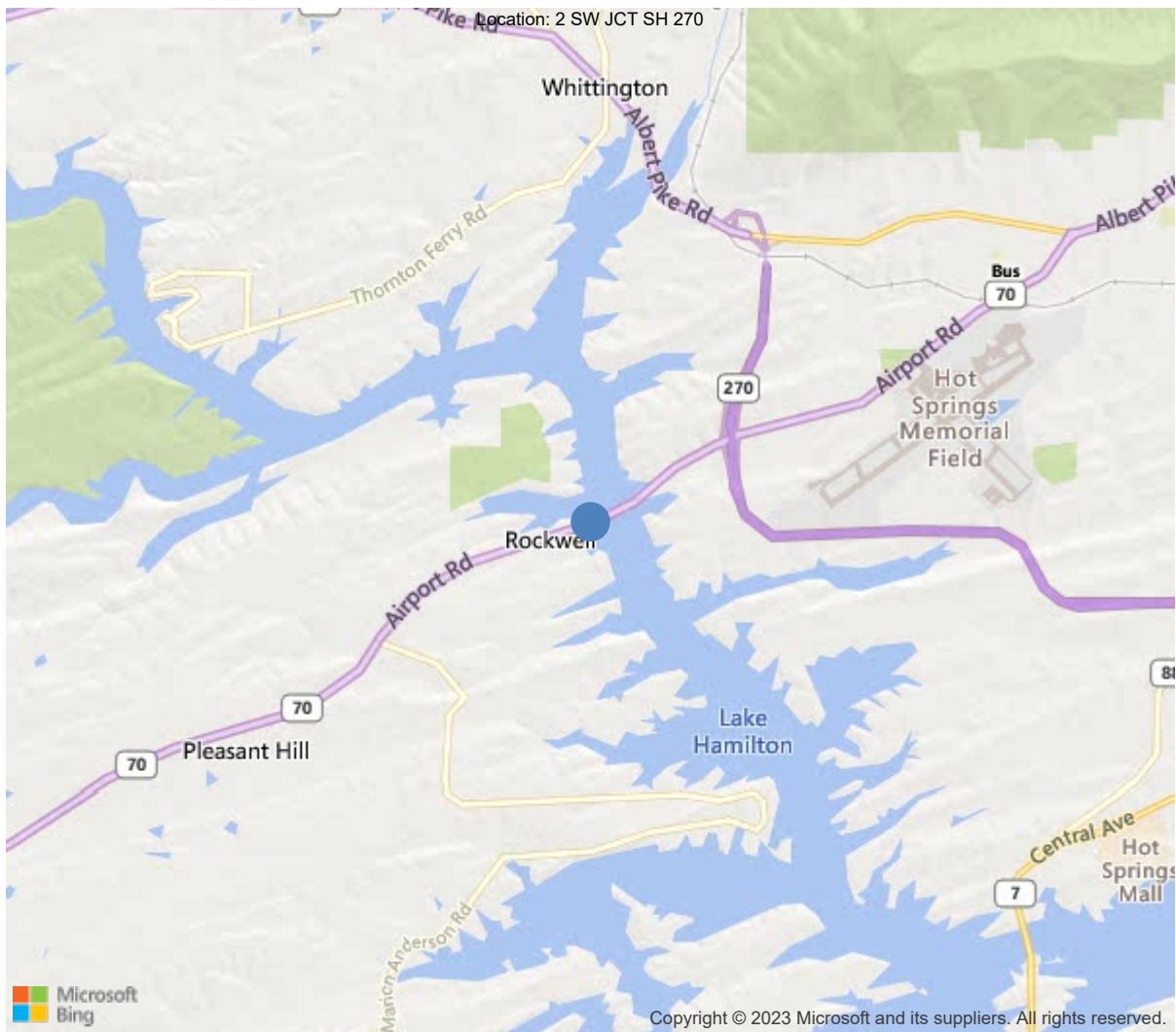
Latitude:34.47173, Longitude:-93.12725

Route:70 Section:08 Log:14.33

Arnold Road ID:26x70x8xA, Arnold Log mile:14.457

District 06, 51 - Garland County

Owner: 1 - State Highway Agency



34.47173, -93.12725





Asset #05872(Routine)

US 70 over LAKE HAMILTON

Location: 2 SW JCT SH 270

Team Lead: Shane Byrd, Inspection Date: 07/19/2021

| IDENTIFICATION                            |  |
|---|--|
| (1) State Names                           | 5 - Arkansas                             |
| (8) Structure Number                      | 05872                                    |
| (5) Inventory Route                       | 1  |
| (2) Highway Agency District               | 06 - District 06                         |
| (3) County Code                           | 51 - Garland County                      |
| (4) Place Code                            | 33400                                    |
| (6) Features Intersected                  | LAKE HAMILTON                            |
| (7) Facility Carried                      | US 70                                    |
| (9) Location                              | 2 SW JCT SH 270                          |
| (11) Mile Point                           | 14.33 mi                                 |
| (12) Base Highway Network                 | Yes                                      |
| (13) LRS Inventory Rte & Subrte           | 0000070080                               |
| (16) Latitude                             | 34.471725                                |
| (17) Longitude                            | -93.127251                               |
| (98) Border Bridge State Code             |  |
| (99) Border Bridge Structure No.          |  |
| STRUCTURE TYPE AND MATERIAL               |  |
| (43) Main Structure Type                  | 42                                       |
| Material                                  | 4 - Steel continuous                     |
| Type                                      | 2 - Stringer/Multi-beam or girder        |
| (44) Approach Structure Type              | 32                                       |
| Material                                  | 3 - Steel                                |
| Type                                      | 2 - Stringer/Multi-beam or girder        |
| (45) No. of Spans in Main Unit            | 7  |
| (46) No. of Approach Spans                | 2  |
| (107) Deck Structure Type                 | 1 - Concrete Cast-in-Place               |
| (108) Wearing Surface/Protective System   |  |
| Type of Wearing Surface                   | 1 - Monolithic Concrete (concurrently pl |
| Type of Membrane                          | 0 - None                                 |
| Type of Deck Protection                   | 0 - None                                 |
| AGE AND SERVICE                           |  |
| (27) Year Built                           | 1984                                     |
| (106) Year Reconstructed                  | 0  |
| (42) Type of Service                      | 15                                       |
| On  | 1 - Highway                              |
| Under                                     | 5 - Waterway                             |
| (28) Lane                                 |  |
| On  | 4  |
| Under                                     | 0  |
| (29) Average Daily Traffic                | 34000                                    |
| (30) Year of ADT                          | 2018                                     |
| (109) Truck ADT                           | 2 %                                      |
| (19) Bypass, Detour Length                | 14 mi                                    |
| GEOMETRIC DATA                            |  |
| (48) Length of Maximum Span               | 192 ft                                   |
| (49) Structure Length                     | 1410 ft                                  |
| (50) Curb or Sidewalk Width               |  |
| Left                                      | 0 ft                                     |
| Right                                     | 0 ft                                     |
| (51) Bridge Roadway Width Curb to Curb    | 64 ft                                    |
| (52) Deck Width Out to Out                | 66.8 ft                                  |
| (32) Approach Roadway Width (W/Shoulders) | 64 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    | 65 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                  | 14 - Urban Other Principal Art      |
| (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      | 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                                 | 59                                  |
| (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             | 6                                   |
| (68) Deck Geometry                     | 7                                   |
| (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                      | 35 - Bridge rehabilitation bec      |
| (76) Length of Structure Improvement   | 1410 ft                             |
| (94) Bridge Improvement Cost           | \$ 0                                |
| (95) Roadway Improvement Cost          | \$ 0                                |
| (96) Total Project Cost                | \$ 4064                             |
| (97) Year of Improvement Cost Estimate | 2003                                |
| (114) Future ADT                       | 38000                               |
| (115) Year of Future ADT               | 2038                                |

| INSPECTIONS *  |            |             |            |
|--|------------|-------------|------------|
| (90) Inspection Date   | 07/19/2021 |             |            |
| (91) Frequency   | 24         |             |            |
| (92) Critical Feature Inspection   | Done       | Freq. (Mon) | Date       |
| A: Fracture Critical Detail  | No         |             |            |
| B: Underwater Inspection   | Yes        | 60          | 07/20/2021 |
| C: Other Special Inspection  |            |             |            |
| * 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 #05872(Routine)

District: 06, County: 51 - Garland County

Team Lead: Shane Byrd, Inspection Date: 07/19/2021

### General Observation

Logged eastbound

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

Lowered Item 60 to 6 from 7 based on underwater dive which showed Item 60 as 5. MAH 10/28/16

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### A-46 - Asset Files

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**Team Lead:** Shane Byrd, **Inspection Date:** 07/19/2021

| ELEMENTS  | DESCRIPTION   | UNITS | TOTAL  | CS1   | CS2    | CS3 | CS4 |
|---|---|-------|--------|-------|--------|-----|-----|
| 12  | Reinforced Concrete Deck  | SF    | 94230  | 70594 | 23630  | 6   | 0   |
| 1080  | Delamination/Spall/Patched Area   | SF    | 14     | 0     | 14     | 0   | 0   |
| 1090  | Exposed Rebar   | SF    | 6      | 0     | 0      | 6   | 0   |
| 1120  | Efflorescence/Rust Staining   | SF    | 11808  | 0     | 11808  | 0   | 0   |
| 1130  | Cracking (RC and Other)   | SF    | 11808  | 0     | 11808  | 0   | 0   |
| (12) The deck has scattered small spalls.<br>Span 4 & 5 have spalls with exposed rebar<br>Large sealed and unsealed transverse and longitudinal cracks throughout deck at an average of 4 foot centers (width 0.016"-0.030"). A few transverse cracks have a width of 0.060".<br>The soffit has multiple transverse cracks with efflorescence staining. Cracks are averaging 4 foot centers. This condition is common throughout this bridge.   |   |       |        |       |        |     |     |
| 107   | Steel Open Girder/Beam  | LF    | 11280  | 11241 | 37     | 2   | 0   |
| 1000  | Corrosion   | LF    | 36     | 0     | 36     | 0   | 0   |
| 1020  | Connection  | LF    | 3      | 0     | 1      | 2   | 0   |
| 515   | Steel Protective Coating  | SF    | 129720 | 0     | 129720 | 0   | 0   |
| 3430  | Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings) | LF    | 129720 | 0     | 129720 | 0   | 0   |
| (107) The ends of the girders at the joints have debris that has built up on them causing minor corrosion with laminating rust.<br>Span 2 girder 2 diaphragm 6 has 1 loose bolt.<br>Span 5 girder 1 back of bent 6 bottom flange small flaking rust.<br>Span 7 girder 2 diaphragm bolt is missing a nut<br>Span 5 girder 3 diaphragm 5 is missing 2 bolts and 1 bolt is missing a nut<br>Span 9 at bent 10 girders 1,2,3,&4 have flaking rust to bottom flange and lower web.<br>All the A-588 steel has a granular texture and appears to be functioning as designed to protect the steel. |   |       |        |       |        |     |     |
| 210   | Reinforced Concrete Pier Wall   | LF    | 253    | 116   | 137    | 0   | 0   |
| 1120  | Efflorescence/Rust Staining   | LF    | 10     | 0     | 10     | 0   | 0   |
| 1130  | Cracking (RC and Other)   | LF    | 7      | 0     | 7      | 0   | 0   |
| 1190  | Abrasion/Wear (PSC/RC)  | LF    | 120    | 0     | 120    | 0   | 0   |
| (210) All piers have vertical cracks and cracks with efflorescence staining.<br>Piers 3-7 all have minor abrasion at waterline.   |   |       |        |       |        |     |     |
| 215   | Reinforced Concrete Abutment  | LF    | 196    | 161   | 35     | 0   | 0   |
| 1080  | Delamination/Spall/Patched Area   | LF    | 1      | 0     | 1      | 0   | 0   |
| 1120  | Efflorescence/Rust Staining   | LF    | 10     | 0     | 10     | 0   | 0   |
| 1130  | Cracking (RC and Other)   | LF    | 24     | 0     | 24     | 0   | 0   |
| (215) Both abutments have small vertical cracks with efflorescence staining in the back wall.<br>Abutment 1 has small spall on left side.<br>Vertical cracks in the beam seat at abutment 2.<br>Vertical open crack with efflorescence in the right wing wall at abutment 2.  |   |       |        |       |        |     |     |

**Team Lead:** Shane Byrd, **Inspection Date:** 07/19/2021

| ELEMENTS  | DESCRIPTION                        | UNITS | TOTAL | CS1  | CS2 | CS3 | CS4 |
|---|------------------------------------|-------|-------|------|-----|-----|-----|
| 234   | Reinforced Concrete Pier Cap       | LF    | 532   | 475  | 56  | 1   | 0   |
| 1080  | Delamination/Spall/Patched Area    | LF    | 3     | 0    | 2   | 1   | 0   |
| 1120  | Efflorescence/Rust Staining        | LF    | 12    | 0    | 12  | 0   | 0   |
| 1130  | Cracking (RC and Other)            | LF    | 42    | 0    | 42  | 0   | 0   |
| (234) Vertical and diagonal cracks in all pier caps. Some cracks have efflorescence staining.<br>Bents 4,5&7 have small spalls.   |                                    |       |       |      |     |     |     |
| 302   | Compression Joint Seal             | LF    | 132   | 0    | 0   | 132 | 0   |
| 2330  | Seal Damage                        | LF    | 132   | 0    | 0   | 132 | 0   |
| (302) All joint material is torn and split.   |                                    |       |       |      |     |     |     |
| 303   | Assembly Joint with Seal           | LF    | 128   | 0    | 128 | 0   | 0   |
| 2350  | Debris Impaction                   | LF    | 128   | 0    | 128 | 0   | 0   |
| (303) The finger joints have a small amount of dirt and debris that has accumulated in the trough.<br>Joints have been cleaned but have accumulated minor amounts of sand and debris                                    |                                    |       |       |      |     |     |     |
| 311   | Movable Bearing                    | EA    | 64    | 42   | 15  | 7   | 0   |
| 1000  | Corrosion                          | EA    | 22    | 0    | 15  | 7   | 0   |
| (311) All bearings have minor corrosion. Bearings at both abutments have minor pitting and laminating rust<br>Bent 2 span 2 bearing 4 has pack rust forming between the bolted connections. Common bearing 2,3,5,6 & 7. |                                    |       |       |      |     |     |     |
| 313   | Fixed Bearing                      | EA    | 32    | 32   | 0   | 0   | 0   |
| (313) All bearings have minor corrosion.  |                                    |       |       |      |     |     |     |
| 321   | Reinforced Concrete Approach Slab  | SF    | 5628  | 5628 | 0   | 0   | 0   |
| (321) Both approach slabs have longitudinal and transverse cracks that have been sealed.  |                                    |       |       |      |     |     |     |
| 331   | Reinforced Concrete Bridge Railing | LF    | 2820  | 2820 | 0   | 0   | 0   |
| (331) Minor vertical cracking in the rail   |                                    |       |       |      |     |     |     |

**Team Lead:** Shane Byrd, **Inspection Date:** 07/19/2021

## Deck

| ELEMENTS   | DESCRIPTION                     | UNITS | TOTAL | CS1   | CS2   | CS3 | CS4 |
|--|---------------------------------|-------|-------|-------|-------|-----|-----|
| 12   | Reinforced Concrete Deck        | SF    | 94230 | 70594 | 23630 | 6   | 0   |
| 1080   | Delamination/Spall/Patched Area | SF    | 14    | 0     | 14    | 0   | 0   |
| 1090   | Exposed Rebar                   | SF    | 6     | 0     | 0     | 6   | 0   |
| 1120   | Efflorescence/Rust Staining     | SF    | 11808 | 0     | 11808 | 0   | 0   |
| 1130   | Cracking (RC and Other)         | SF    | 11808 | 0     | 11808 | 0   | 0   |
| <p>(12) The deck has scattered small spalls.</p> <p>Span 4 &amp; 5 have spalls with exposed rebar</p> <p>Large sealed and unsealed transverse and longitudinal cracks throughout deck at an average of 4 foot centers (width 0.016"- 0.030").</p> <p>A few transverse cracks have a width of 0.060".</p> <p>The soffit has multiple transverse cracks with efflorescence staining. Cracks are averaging 4 foot centers. This condition is common throughout this bridge.</p> |                                 |       |       |       |       |     |     |



**Team Lead: Shane Byrd, Inspection Date: 07/19/2021**

## Superstructure

| ELEMENTS  | DESCRIPTION   | UNITS | TOTAL  | CS1   | CS2    | CS3 | CS4 |
|---|---|-------|--------|-------|--------|-----|-----|
| 107   | Steel Open Girder/Beam  | LF    | 11280  | 11241 | 37     | 2   | 0   |
| 1000  | Corrosion   | LF    | 36     | 0     | 36     | 0   | 0   |
| 1020  | Connection  | LF    | 3      | 0     | 1      | 2   | 0   |
| 515   | Steel Protective Coating  | SF    | 129720 | 0     | 129720 | 0   | 0   |
| 3430  | Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings) | LF    | 129720 | 0     | 129720 | 0   | 0   |
| (107) The ends of the girders at the joints have debris that has built up on them causing minor corrosion with laminating rust.<br>Span 2 girder 2 diaphragm 6 has 1 loose bolt.<br>Span 5 girder 1 back of bent 6 bottom flange small flaking rust.<br>Span 7 girder 2 diaphragm bolt is missing a nut<br>Span 5 girder 3 diaphragm 5 is missing 2 bolts and 1 bolt is missing a nut<br>Span 9 at bent 10 girders 1,2,3,&4 have flaking rust to bottom flange and lower web.<br>All the A-588 steel has a granular texture and appears to be functioning as designed to protect the steel. |   |       |        |       |        |     |     |



Team Lead: Shane Byrd, Inspection Date: 07/19/2021

## Substructure

| ELEMENTS   | DESCRIPTION                     | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|---------------------------------|-------|-------|-----|-----|-----|-----|
| 210  | Reinforced Concrete Pier Wall   | LF    | 253   | 116 | 137 | 0   | 0   |
| 1120   | Efflorescence/Rust Staining     | LF    | 10    | 0   | 10  | 0   | 0   |
| 1130   | Cracking (RC and Other)         | LF    | 7     | 0   | 7   | 0   | 0   |
| 1190   | Abrasion/Wear (PSC/RC)          | LF    | 120   | 0   | 120 | 0   | 0   |
| (210) All piers have vertical cracks and cracks with efflorescence staining.<br>Piers 3-7 all have minor abrasion at waterline.  |                                 |       |       |     |     |     |     |
| 215  | Reinforced Concrete Abutment    | LF    | 196   | 161 | 35  | 0   | 0   |
| 1080   | Delamination/Spall/Patched Area | LF    | 1     | 0   | 1   | 0   | 0   |
| 1120   | Efflorescence/Rust Staining     | LF    | 10    | 0   | 10  | 0   | 0   |
| 1130   | Cracking (RC and Other)         | LF    | 24    | 0   | 24  | 0   | 0   |
| (215) Both abutments have small vertical cracks with efflorescence staining in the back wall.<br>Abutment 1 has small spall on left side.<br>Vertical cracks in the beam seat at abutment 2.<br>Vertical open crack with efflorescence in the right wing wall at abutment 2. |                                 |       |       |     |     |     |     |
| 234  | Reinforced Concrete Pier Cap    | LF    | 532   | 475 | 56  | 1   | 0   |
| 1080   | Delamination/Spall/Patched Area | LF    | 3     | 0   | 2   | 1   | 0   |
| 1120   | Efflorescence/Rust Staining     | LF    | 12    | 0   | 12  | 0   | 0   |
| 1130   | Cracking (RC and Other)         | LF    | 42    | 0   | 42  | 0   | 0   |
| (234) Vertical and diagonal cracks in all pier caps. Some cracks have efflorescence staining.<br>Bents 4,5&7 have small spalls.  |                                 |       |       |     |     |     |     |

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

Comment: Lowered Item 60 to 6 from 7 based on underwater dive which showed Item 60 as 5. MAH 10/28/16



Asset #05872(Routine)

US 70 over LAKE HAMILTON

Location: 2 SW JCT SH 270

Team Lead: Shane Byrd, Inspection Date: 07/19/2021

## Culvert

| ELEMENTS | DESCRIPTION | UNITS | TOTAL |     |     |     |     |
|----------|-------------|-------|-------|-----|-----|-----|-----|
|          |             |       |       | CS1 | CS2 | CS3 | CS4 |





Elevation



Elevation



Span 2 soffit overview.



Deck overview West end of bridge.





Approach Eastbound



Deck has been diamond ground for smoothness



Span 1 soffit has cracks with efflorescence, common all spans.



Deck span 5 spall with exposed rebar.





Deck spall with exposed rebar span 4.



Span 9 beam 2 at bent 10 bottom flange and lower web have 3/8" diameter flakes, common girders 1,3,&4.



Span 5 girder 1 back of bent 6 bottom flange small flaking rust.



Span 2 girder 2 diaphragm 6 loose bolt.





Bent 9 pier wall ahead has cracks with efflorescence and rust staining.



Bent 2 pier wall ahead has vertical cracks.



Bent 1 abutment has small scattered vertical cracks.



Vertical cracks in beam seat at abutment 2.





Left side bent 1 abutment has spall.



Bent 1 has scattered cracks with efflorescence in back wall.



Vertical open cracks with efflorescence right wing wall at abutment 2.



Bent 8 cap ahead vertical crack.





Bent 7 ahead pier cap has vertical crack with efflorescence.



Bent 7 ahead left side pier cap has spall.



Joint seal at bent 10 are torn and split.



Bent 2 span 2 bearing 4 has pack rust forming between the bolted connections. Common bearing 2,3,5,6 & 7.





Bearings at abutment 2 have corrosion with laminating rust, common abutment 1.



East approach slab sealed cracks.



Deck overview west end of bridge.



Span 5 spall with exposed rebar.





Joint seal at bent 1 are torn and split.



Bent 2 finger joint has debris impaction.

**Maintenance Needs**

**Date Reported:** 08/31/2011

**Priority:** D- Routine

**Status:** Assigned

**Type of Work:** (Inactive) (Inactive) 9 - None

**Component:**

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**Deficiency Description**

Utilities:

Pier 8, Back, Between G1-G2: Angle iron water line brace between girders is loose. The only support is a U bolt attaching it to the water line.

Pier 8, Back, Between G1-G2: Utility cable is separated.

**Remarks**

Turned over to utilities 8-8-16

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Utility company has installed c-clamps on waterline bracket.

**Team Lead:** Shane Byrd, **Inspection Date:** 07/19/2021

**Maintenance Needs**

**Date Reported:** 07/31/2019

**Priority:** D- Routine

**Status:** Monitor

**Type of Work:** (Inactive) (Inactive) 9 - None

**Component:**

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**Deficiency Description**

Large pothole at the east end of the bridge at the approach slab.  
Two potholes in east and westbound lanes in span 4

**Remarks**

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Spall in right lane and 1 in left lane mid span



**Maintenance Needs**

**Date Reported:** 07/31/2019

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Assigned

**Component:**

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**Deficiency Description**

vines and trees growing on pier walls at bents 1, 2, 9 and 10

**Remarks**

Assigned Garland 06261 10/8/19

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vines and trees growing at both abutments



Bent 9 pier wall has vines growing on pier wall.

**Maintenance Needs**

**Date Reported:** 07/15/2009

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

APPROACH SLABS:

Approach slabs at both ends of the bridge have potholes in the asphalt at the beginning of the approach slabs.

**Remarks**

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Potholes in asphalt at ends of approach slabs.



**Maintenance Needs**

**Date Reported:** 07/15/2009

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

R/C CAPS:

Vertical hairline cracks in all caps.

Pier 1- 8: Vertical efflorescence cracks in the face of the cap.

Pier 2, Grout peeling off Rt. End of cap.

Pier 6, Ahead: Minor spall on the left end of the cap.

**Remarks**

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Cracks in cap at bent 7



Large vertical cracks in pier walls

**Maintenance Needs**

**Date Reported:** 07/21/2021

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Open

**Component:** Element

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**Deficiency Description**

Bent 2 span 2 bearing 4 has pack rust forming between the bolted connections. Common bearing 2,3,5,6 & 7.

**Remarks**

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Bent 2 span 2 bearing 4 has pack rust forming between the bolted connections. Common bearing 2,3,5,6 & 7.

**Maintenance Needs**

**Date Reported:** 07/21/2021

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Open

**Component:** Deck

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**Deficiency Description**

Spans 4 & 5 have spalls with exposed rebar.

**Remarks**

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Deck span 5 spall with exposed rebar.



Deck spall with exposed rebar. Liver bent 4.





**Asset #05872(Routine)**

**US 70 over LAKE HAMILTON**

**Location: 2 SW JCT SH 270**

**Team Lead: Shane Byrd, Inspection Date: 07/19/2021**

## **Routine Maintenance**

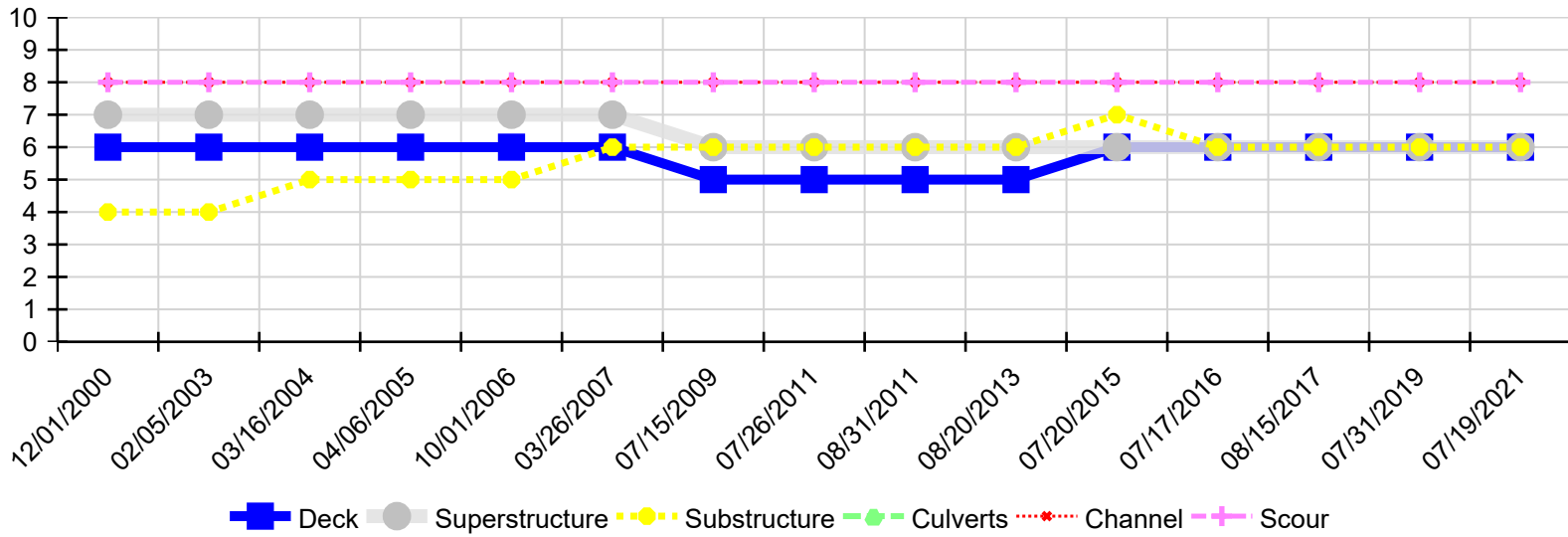
Check Box Maintenance Items

| <b>Type of Maintenance</b>               | <b>Is recommended?</b> |
|--|------------------------|
| 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             |                        |



Team Lead: Shane Byrd, Inspection Date: 07/19/2021

Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 07/19/2021      | 6    | 6              | 6            | N        | 8       | 8     |
| 07/31/2019      | 6    | 6              | 6            | N        | 8       | 8     |
| 08/15/2017      | 6    | 6              | 6            | N        | 8       | 8     |
| 07/17/2016      | 6    | 6              | 6            | N        | 8       | 8     |
| 07/20/2015      | 6    | 6              | 7            | N        | 8       | 8     |
| 08/20/2013      | 5    | 6              | 6            | N        | 8       | 8     |
| 08/31/2011      | 5    | 6              | 6            | N        | 8       | 8     |
| 07/26/2011      | 5    | 6              | 6            | N        | 8       | 8     |
| 07/15/2009      | 5    | 6              | 6            | N        | 8       | 8     |
| 03/26/2007      | 6    | 7              | 6            | N        | 8       | 8     |
| 10/01/2006      | 6    | 7              | 5            | N        | 8       | 8     |
| 04/06/2005      | 6    | 7              | 5            | N        | 8       | 8     |
| 03/16/2004      | 6    | 7              | 5            | N        | 8       | 8     |
| 02/05/2003      | 6    | 7              | 4            | N        | 8       | 8     |
| 12/01/2000      | 6    | 7              | 4            | N        | 8       | 8     |