



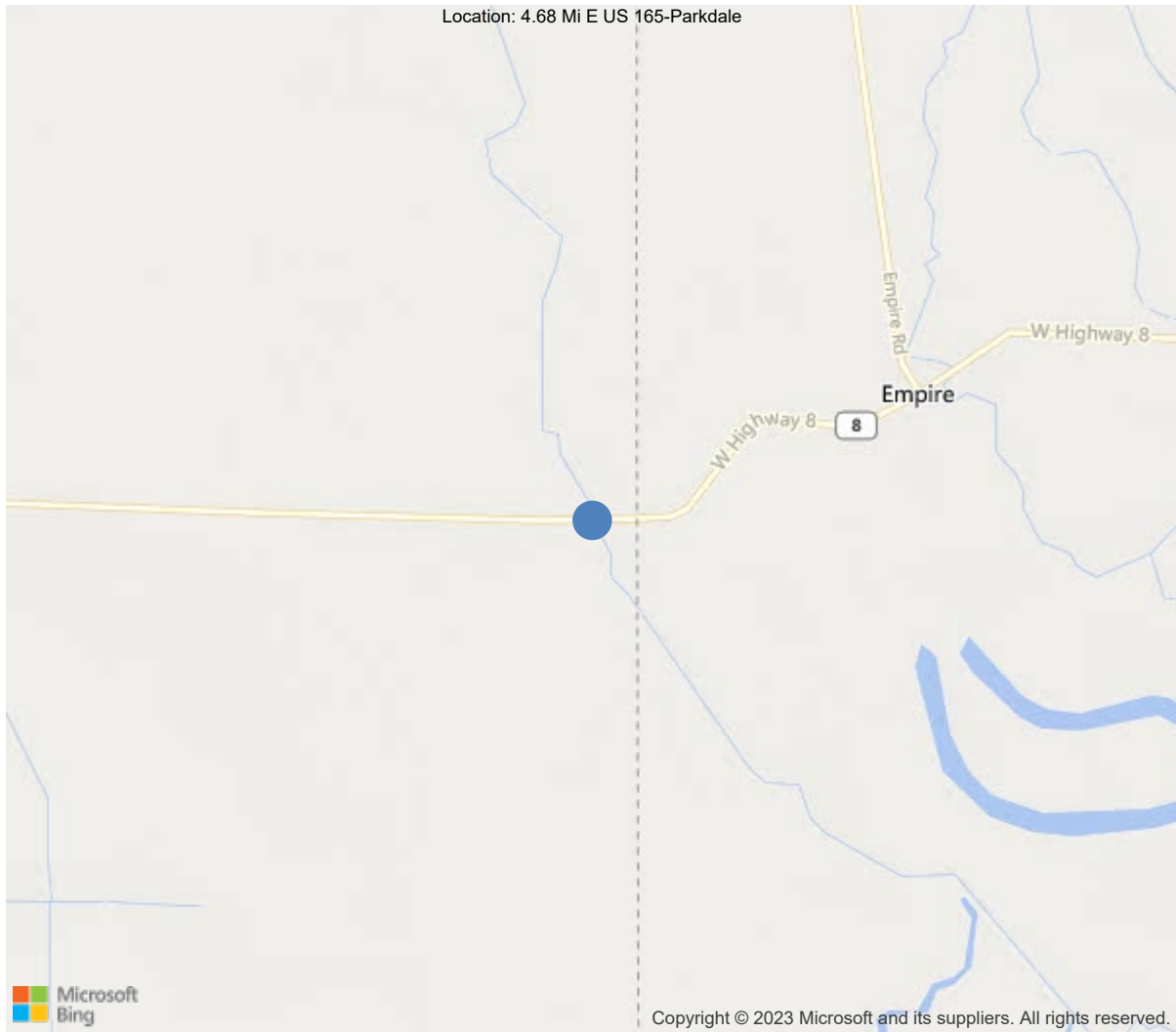
Latitude:33.11202, Longitude:-91.46441

Route:8 Section:15 Log:4.68

Arnold Road ID:2x8x15xA, Arnold Log mile:4.693

District 02, 3 - Ashley County

Owner: 1 - State Highway Agency



33.11202, -91.46441





Asset #02962(Routine)

SH 8-15 LM 4.67 over Fleshman Bayou

Location: 4.68 Mi E US 165-Parkdale

Team Lead: Sharon Hooks, Inspection Date: 10/03/2022

| IDENTIFICATION                            |                                |
|---|--------------------------------|
| (1) State Names                           | 5 - Arkansas                   |
| (8) Structure Number                      | 02962                          |
| (5) Inventory Route                       | 1                              |
| (2) Highway Agency District               | 02 - District 02               |
| (3) County Code                           | 3 - Ashley County              |
| (4) Place Code                            | 0                              |
| (6) Features Intersected                  | Fleshman Bayou                 |
| (7) Facility Carried                      | SH 8-15 LM 4.67                |
| (9) Location                              | 4.68 Mi E US 165-Parkdale      |
| (11) Mile Point                           | 4.68 mi                        |
| (12) Base Highway Network                 | No                             |
| (13) LRS Inventory Rte & Subrte           | 0000000000                     |
| (16) Latitude                             | 33.112016655869                |
| (17) Longitude                            | -91.4644067243735              |
| (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            | 5                              |
| (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                           | 1955                           |
| (106) Year Reconstructed                  | 0                              |
| (42) Type of Service                      | 15                             |
| On  | 1 - Highway                    |
| Under                                     | 5 - Waterway                   |
| (28) Lane                                 |                                |
| On  | 2                              |
| Under                                     | 0                              |
| (29) Average Daily Traffic                | 330                            |
| (30) Year of ADT                          | 2018                           |
| (109) Truck ADT                           | 1 %                            |
| (19) Bypass, Detour Length                | 25 mi                          |
| GEOMETRIC DATA                            |                                |
| (48) Length of Maximum Span               | 28 ft                          |
| (49) Structure Length                     | 140 ft                         |
| (50) Curb or Sidewalk Width               |                                |
| Left                                      | 1 ft                           |
| Right                                     | 1 ft                           |
| (51) Bridge Roadway Width Curb to Curb    | 24 ft                          |
| (52) Deck Width Out to Out                | 28.5 ft                        |
| (32) Approach Roadway Width (W/Shoulders) | 20 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    | 25.9 ft                        |
| (53) Min Vert Clear Over Bridge Rdwy      | 99.99 ft                       |
| (54) Min Vert Underclear                  | 0 ft                           |
| Ref:                                      |                                |
| (55) Min Lat Underclear RT                | 99.9 ft                        |
| Ref:                                      |                                |
| (56) Min Lat Underclear LT                | 0 ft                           |
| NAVIGATION DATA                           |                                |
| (38) Navigation Control                   | 0 - No navigation control on w |
| (111) Pier Protection                     | 5 - None present but re-evalua |
| (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 exis      |
| (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 structu       |
| (21) Maintain                          | 1 - State Highway Agency            |
| (22) Owner                             | 1 - State Highway Agency            |
| (37) Historical Significance           | 5 - Bridge is not eligible for      |
| CONDITION                              |                                     |
| (58) Deck                              | 6                                   |
| (59) Superstructure                    | 6                                   |
| (60) Substructure                      | 6                                   |
| (61) Channel & Channel Protection      | 7                                   |
| (62) Culverts                          | N                                   |
| LOAD RATING AND POSTING                |                                     |
| (31) Design Load                       | 2 - M 13.5 / H 15                   |
| (63) Operating Rating Method           | 1                                   |
| (64) Operating Rating                  |                                     |
| Type                                   | 1 - Load Factor(LF)                 |
| Rating                                 | 44                                  |
| (65) Inventory Rating Method           | 1 - Load Factor(LF)                 |
| (66) Inventory Rating                  |                                     |
| Type                                   |                                     |
| Rating                                 | 27                                  |
| (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                     | 5                                   |
| (69) Clearances, Vertical/Horizontal   | N                                   |
| (71) Waterway Adequacy                 | 8                                   |
| (72) Approach Roadway Alignment        | 8                                   |
| (36A) Bridge Railings                  | 0 - Inspected feature does not meet |
| (36B) Transitions                      | 0 - Inspected feature does not meet |
| (36C) Approach Guardrail               | 0 - Inspected feature does not meet |
| (36D) Approach Guardrail Ends          | 0 - Inspected feature does not meet |
| (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                       | 456                                 |
| (115) Year of Future ADT               | 2028                                |

| INSPECTIONS *  |            |             |      |
|--|------------|-------------|------|
| (90) Inspection Date   | 10/03/2022 |             |      |
| (91) Frequency   | 24         |             |      |
| (92) Critical Feature Inspection   | Done       | Freq. (Mon) | Date |
| A: Fracture Critical Detail  | No         |             |      |
| B: Underwater Inspection   | No         |             |      |
| 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 #02962(Routine)

District: 02, County: 3 - Ashley County

Team Lead: Sharon Hooks, Inspection Date: 10/03/2022

#### General Observation

Bridge is logged from west to east.  
Beginning of structure toward US 165, Parkdale, West End.

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#### A-46 - Asset Files

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Asset #02962(Routine)

SH 8-15 LM 4.67 over Fleshman Bayou

Location: 4.68 Mi E US 165-Parkdale

Team Lead: Sharon Hooks, Inspection Date: 10/03/2022

| ELEMENTS  | DESCRIPTION                     | UNITS | TOTAL | CS1  | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|------|-----|-----|-----|
| 38  | RC Slab                         | SF    | 3710  | 3585 | 95  | 30  | 0   |
| 1080  | Delamination/Spall/Patched Area | SF    | 110   | 0    | 90  | 20  | 0   |
| 1090  | Exposed Rebar                   | SF    | 10    | 0    | 0   | 10  | 0   |
| 1130  | Cracking (RC and Other)         | SF    | 5     | 0    | 5   | 0   | 0   |
| 510   | Wearing Surfaces                | SF    | 3080  | 2992 | 0   | 88  | 0   |
| 3220  | Crack (Wearing Surface)         | SF    | 88    | 0    | 0   | 88  | 0   |
| (38) Deck: 26'-6" wide x 140' long = 3710 sqft.<br>Wearing surface (asphalt overlay): 22' wide x 140' long = 3080 sqft.<br>New chip overlay 1/2" added in 2018.<br>Transverse cracking @ Bents,<br><br>Curbs: Rebar exposed on face of curbs in various locations.<br><br>Soffit:<br>Some very small cracks near center-line.<br>Areas around drains have been rubbed or patched in the past - some small spalls with exposed rebar at drain openings on left side. |                                 |       |       |      |     |     |     |
| 215   | Reinforced Concrete Abutment    | LF    | 76    | 76   | 0   | 0   | 0   |
| (215) Abutments: 27'-6" = 28' each (with approximately 5' wings each corner) / Bents 1 & 6.   |                                 |       |       |      |     |     |     |
| 227   | Reinforced Concrete Pile        | EA    | 16    | 11   | 4   | 1   | 0   |
| 1130  | Cracking (RC and Other)         | EA    | 2     | 0    | 2   | 0   | 0   |
| 1190  | Abrasion/Wear (PSC/RC)          | EA    | 3     | 0    | 2   | 1   | 0   |
| (227) Piling: 4 per bent / Bents 2-5.<br><br>Bent 4 Pile 2 left: Vertical crack 8-10' down from cap.<br>Bent 4 Piles 1-4: Some abrasive wear from stream flow - CS2 abrasive wear x 3.<br>Bent 5 Pile 4: Vertical crack at bottom of cap down 12" (has been patched/repared by state forces).   |                                 |       |       |      |     |     |     |
| 234   | Reinforced Concrete Pier Cap    | LF    | 96    | 78   | 13  | 5   | 0   |
| 1080  | Delamination/Spall/Patched Area | LF    | 13    | 0    | 13  | 0   | 0   |
| 1090  | Exposed Rebar                   | LF    | 5     | 0    | 0   | 5   | 0   |
| (234) Caps: 27'-6" = 28' each / Bents 2-5.<br>Bents 4-5: Spalling with some rebar exposed - 5'.<br>Bents 2, 4, & 5: Spalling with rebar exposed has been patched/repared by state forces - 13'.   |                                 |       |       |      |     |     |     |
| 301   | Pourable Joint Seal             | LF    | 96    | 0    | 0   | 96  | 0   |
| 2350  | Debris Impaction                | LF    | 96    | 0    | 0   | 96  | 0   |
| (301) Joints: 24" each / Bents 2-5.<br>All joint seals are CS3 impacted due to asphalt overlay.   |                                 |       |       |      |     |     |     |
| 330   | Metal Bridge Railing            | LF    | 280   | 265  | 15  | 0   | 0   |



## Deck

| ELEMENTS  | DESCRIPTION                     | UNITS | TOTAL | CS1  | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|------|-----|-----|-----|
| 38  | RC Slab                         | SF    | 3710  | 3585 | 95  | 30  | 0   |
| 1080  | Delamination/Spall/Patched Area | SF    | 110   | 0    | 90  | 20  | 0   |
| 1090  | Exposed Rebar                   | SF    | 10    | 0    | 0   | 10  | 0   |
| 1130  | Cracking (RC and Other)         | SF    | 5     | 0    | 5   | 0   | 0   |
| 510   | Wearing Surfaces                | SF    | 3080  | 2992 | 0   | 88  | 0   |
| 3220  | Crack (Wearing Surface)         | SF    | 88    | 0    | 0   | 88  | 0   |
| (38) Deck: 26'-6" wide x 140' long = 3710 sqft.<br>Wearing surface (asphalt overlay): 22' wide x 140' long = 3080 sqft.<br>New chip overlay 1/2" added in 2018.<br>Transverse cracking @ Bents, |                                 |       |       |      |     |     |     |
| Curbs: Rebar exposed on face of curbs in various locations.   |                                 |       |       |      |     |     |     |
| Soffit:<br>Some very small cracks near center-line.<br>Areas around drains have been rubbed or patched in the past - some small spalls with exposed rebar at drain openings on left side.       |                                 |       |       |      |     |     |     |





Asset #02962(Routine)

SH 8-15 LM 4.67 over Fleshman Bayou

Location: 4.68 Mi E US 165-Parkdale

Team Lead: Sharon Hooks, Inspection Date: 10/03/2022

## Superstructure

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

**SH 8-15 LM 4.67 over Fleshman Bayou**

**Location: 4.68 Mi E US 165-Parkdale**

**Team Lead:** Sharon Hooks, **Inspection Date:** 10/03/2022

## Substructure

| ELEMENTS  | DESCRIPTION                     | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|---------------------------------|-------|-------|-----|-----|-----|-----|
| 215   | Reinforced Concrete Abutment    | LF    | 76    | 76  | 0   | 0   | 0   |
| (215) Abutments: 27'-6" = 28' each (with approximately 5' wings each corner) / Bents 1 & 6.         |                                 |       |       |     |     |     |     |
| 227   | Reinforced Concrete Pile        | EA    | 16    | 11  | 4   | 1   | 0   |
| 1130  | Cracking (RC and Other)         | EA    | 2     | 0   | 2   | 0   | 0   |
| 1190  | Abrasion/Wear (PSC/RC)          | EA    | 3     | 0   | 2   | 1   | 0   |
| (227) Piling: 4 per bent / Bents 2-5.   |                                 |       |       |     |     |     |     |
| Bent 4 Pile 2 left: Vertical crack 8-10' down from cap.   |                                 |       |       |     |     |     |     |
| Bent 4 Piles 1-4: Some abrasive wear from stream flow - CS2 abrasive wear x 3.                      |                                 |       |       |     |     |     |     |
| Bent 5 Pile 4: Vertical crack at bottom of cap down 12" (has been patched/repared by state forces). |                                 |       |       |     |     |     |     |
| 234   | Reinforced Concrete Pier Cap    | LF    | 96    | 78  | 13  | 5   | 0   |
| 1080  | Delamination/Spall/Patched Area | LF    | 13    | 0   | 13  | 0   | 0   |
| 1090  | Exposed Rebar                   | LF    | 5     | 0   | 0   | 5   | 0   |
| (234) Caps: 27'-6" = 28' each / Bents 2-5.  |                                 |       |       |     |     |     |     |
| Bents 4-5: Spalling with some rebar exposed - 5'.   |                                 |       |       |     |     |     |     |
| Bents 2, 4, & 5: Spalling with rebar exposed has been patched/repared by state forces - 13'.        |                                 |       |       |     |     |     |     |



Asset #02962(Routine)

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Location: 4.68 Mi E US 165-Parkdale

Team Lead: Sharon Hooks, Inspection Date: 10/03/2022

### Culvert

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





Elevation.



Span 5 right concrete curb has exposed rebar.



Bent 2 joint seal has debris impactation due to asphalt overlay.  
Common on all joint seals.



Bent 2 left soffit at drain opening has minor spalling with  
exposed rebar.





Bent 4 substructure view.



Under view.



Deck over view.



Approach.





Bent 4 Pile 2: Cracking



Cap - Bent 5 back: Patched/rebar exposed



**Maintenance Needs**

**Date Reported:** 11/09/2016

**Priority:** C - Important

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

**Status:** Assigned

**Component:** Approach

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**Deficiency Description**

Log mile signs - both ends: Log mile signs, object markers, and posts are missing/knocked down.

**Remarks**

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Object marker and logged mile signs missing on both ends of bridge



Log mile sign - Bent 1 right: Sign missing

**Maintenance Needs**

**Date Reported:** 10/29/2018

**Priority:** D- Routine

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

**Status:** Monitor

**Component:** Channel

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**Deficiency Description**

Channel - Span 3 near Bent 3: Slope erosion with vertical bank

**Remarks**

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Span 3 near bent 3 has slope erosion with vertical bank.



**Asset #02962(Routine)**

**SH 8-15 LM 4.67 over Fleshman Bayou**

**Location: 4.68 Mi E US 165-Parkdale**

**Team Lead: Sharon Hooks, Inspection Date: 10/03/2022**

## **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             |                        |
| A-63 Missing/Incorrect Log Mile Signage  |                        |
| A-64 - Vegetation Removal Requested      |                        |



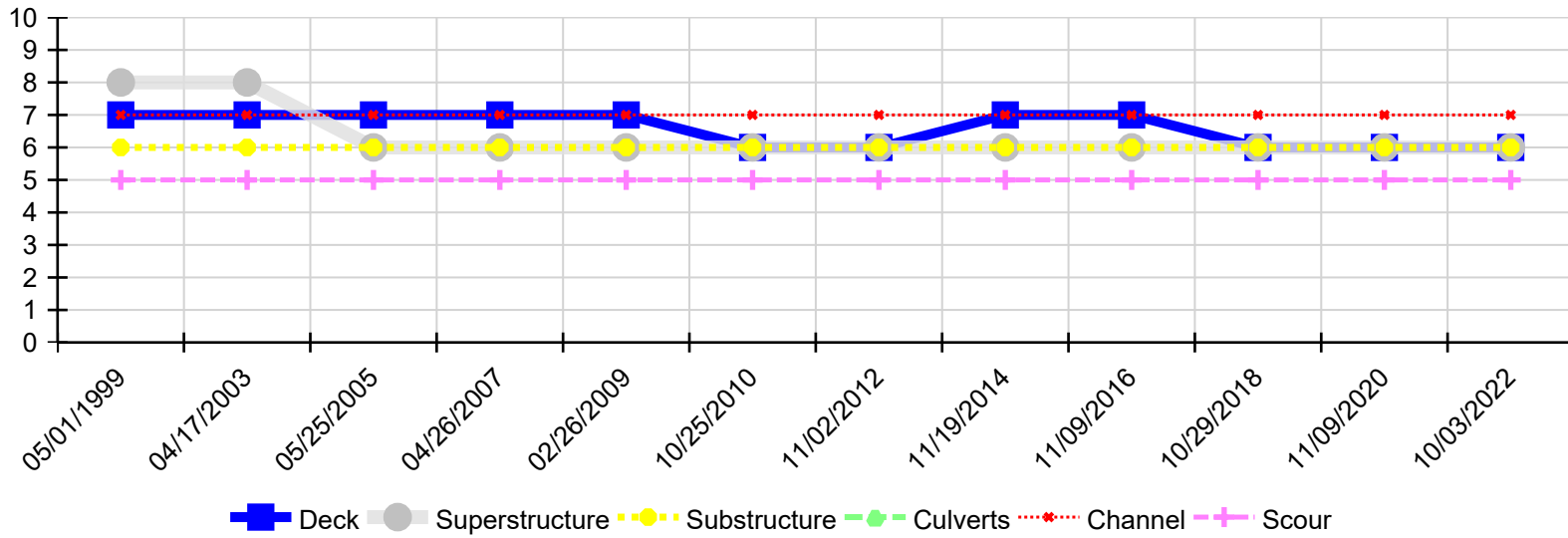
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Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 10/03/2022      | 6    | 6              | 6            | N        | 7       | 5     |
| 11/09/2020      | 6    | 6              | 6            | N        | 7       | 5     |
| 10/29/2018      | 6    | 6              | 6            | N        | 7       | 5     |
| 11/09/2016      | 7    | 6              | 6            | N        | 7       | 5     |
| 11/19/2014      | 7    | 6              | 6            | N        | 7       | 5     |
| 11/02/2012      | 6    | 6              | 6            | N        | 7       | 5     |
| 10/25/2010      | 6    | 6              | 6            | N        | 7       | 5     |
| 02/26/2009      | 7    | 6              | 6            | N        | 7       | 5     |
| 04/26/2007      | 7    | 6              | 6            | N        | 7       | 5     |
| 05/25/2005      | 7    | 6              | 6            | N        | 7       | 5     |
| 04/17/2003      | 7    | 8              | 6            | N        | 7       | 5     |
| 05/01/1999      | 7    | 8              | 6            | N        | 7       | 5     |