



Latitude:35.10885, Longitude:-91.82864

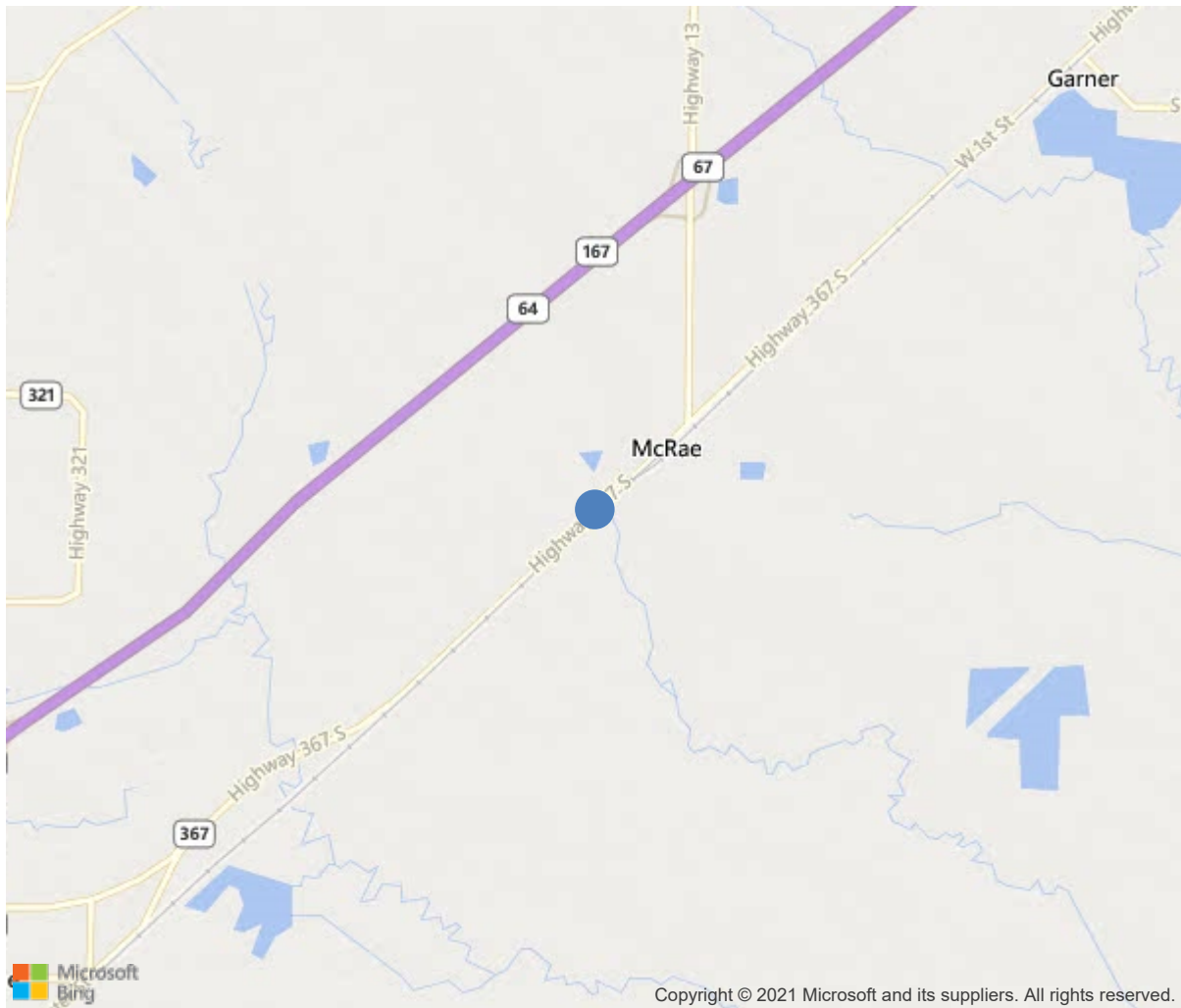
Route:367 Section:15 Log:8.028

Arnold Road ID:73x367x15xA, Arnold Log mile:8.028

District 05, White County

Owner: 1-State Highway Agency

065 M S JCT37-367



35.10885, -91.82864



Bridge #01446(Routine, Underwater type 2)

SH 367 White Co. over LAWRENCE BAYOU

Location: 065 M S JCT37-367

Team Lead: Nathan Edwards Inspection Date: August 17, 2021

| IDENTIFICATION | |
|---|----------------------------------|
| (1) State Names | Arkansas |
| (8) Structure Number | 01446 |
| (5) Inventory Route | 367 |
| (2) Highway Agency District | 05 |
| (3) County Code | 145-White County, Arkansas |
| (4) Place Code | 0 |
| (6) Features Intersected | LAWRENCE BAYOU |
| (7) Facility Carried | SH 367 White Co. |
| (9) Location | 065 M S JCT37-367 |
| (11) Mile Point | 8.028 mi |
| (12) Base Highway Network | No |
| (13) LRS Inventory Rte & Subrte | 0000000000 |
| (16) Latitude | 35.10885 |
| (17) Longitude | -91.82864 |
| (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 | 0 |
| (42) Type of Service | 15 |
| On | 1-Highway |
| Under | 5-Waterway |
| (28) Lane | |
| On | 2 |
| Under | 0 |
| (29) Average Daily Traffic | 1900 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 15 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 24 ft |
| (49) Structure Length | 49 ft |
| (50) Curb or Sidewalk Width | |
| Left | 0.5 ft |
| Right | 0.5 ft |
| (51) Bridge Roadway Width Curb to Curb | 26.9 ft |
| (52) Deck Width Out to Out | 30 ft |
| (32) Approach Roadway Width (W/Shoulders) | 24 ft |
| (33) Bridge Median | 0-No median |
| (34) Skew | 0 Deg |
| (35) Structure Flared | No flare |
| (10) Inventory Route Min Vert Clear | 99.99 ft |
| (47) Inventory Route Total Horiz Clear | 26.9 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 water |
| (111) Pier Protection | 1-Navigation protection not requ |
| (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 a S |
| (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 part of |
| (20) Toll | 3-On free road. The structure is toll |
| (21) Maintain | 1-State Highway Agency |
| (22) Owner | 1-State Highway Agency |
| (37) Historical Significance | 5-Bridge is not eligible for the NRHP |
| CONDITION | |
| (58) Deck | 7 |
| (59) Superstructure | 7 |
| (60) Substructure | 7 |
| (61) Channel & Channel Protection | 8 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 2-M 13.5 / H 15 |
| (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 | 2 |
| 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 | 7 |
| (68) Deck Geometry | 3 |
| (69) Clearances, Vertical/Horizontal | N |
| (71) Waterway Adequacy | 7 |
| (72) Approach Roadway Alignment | 8 |
| (36A) Bridge Railings | 0-Inspected feature does not meet cur |
| (36B) Transitions | 0-Inspected feature does not meet cur |
| (36C) Approach Guardrail | 1-Inspected feature meets currently a |
| (36D) Approach Guardrail Ends | 0-Inspected feature does not meet cur |
| (113) Scour Critical Bridges | 5-Bridge foundations determined to be |
| PROPOSED IMPROVEMENTS | |
| (75) Type of Work | Replacement of bridge or other |
| (76) Length of Structure Improvement | 73 ft |
| (94) Bridge Improvement Cost | \$ 0 |
| (95) Roadway Improvement Cost | \$ 125 |
| (96) Total Project Cost | \$ 281 |
| (97) Year of Improvement Cost Estimate | 2002 |
| (114) Future ADT | 3117 |
| (115) Year of Future ADT | 2028 |

| INSPECTIONS * | | | |
|--|-----------|-------------|------|
| (90) Inspection Date | 08/2021 | | |
| (91) Frequency | 24 Months | | |
| (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. | | | |

| ELEM | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|--------------------------------------|-------|-------|------|-----|-----|-----|
| 16 | Reinforced Concrete Top Flange | SF | 1470 | 1470 | 0 | 0 | 0 |
| 510 | Wearing Surfaces | SF | 1323 | 998 | 0 | 325 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 325 | 0 | 0 | 325 | 0 |
| (16-510) | | | | | | | |
| Cracking to asphalt overlay. | | | | | | | |
| 110 | Reinforced Concrete Open Girder/Beam | LF | 188 | 184 | 1 | 3 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 1 | 0 | 1 | 0 | 0 |
| 1090 | Exposed Rebar | LF | 3 | 0 | 0 | 3 | 0 |
| (110) | | | | | | | |
| Minor cracking to all girders. | | | | | | | |
| Span 1 - moderate spalls with rebar exposed to diaphragm. | | | | | | | |
| Span 1 - Girder 4 has spall with 1' rebar exposed to end of girder over cap. | | | | | | | |
| Span 2 - Girder 1 has spall with 1' rebar exposed to concrete haunch. | | | | | | | |
| Span 2 - Spall & area of delamination with 4" rebar exposed to Girder 4 @ beginning of span. | | | | | | | |
| Spalls with rebar 16' exposed to diaphragm above Bent 1. | | | | | | | |
| Delaminated area to Girder 3 @ Span 2. | | | | | | | |
| 205 | Reinforced Concrete Column | EA | 2 | 1 | 1 | 0 | 0 |
| 6000 | Scour | EA | 1 | 0 | 1 | 0 | 0 |
| (205) | | | | | | | |
| Minor scour @ Column 1 Bent 1. | | | | | | | |
| 210 | Reinforced Concrete Pier Wall | LF | 21 | 0 | 21 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 21 | 0 | 21 | 0 | 0 |
| 215 | Reinforced Concrete Abutment | LF | 100 | 90 | 10 | 0 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 6 | 0 | 6 | 0 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 4 | 0 | 4 | 0 | 0 |
| (215) | | | | | | | |
| Cracking & large area of delamination with efflorescence @ Abutment 2 between Girders 1 - 2. | | | | | | | |
| Minor efflorescent cracking to Left @ Right ends of Abutment 2. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 27 | 16 | 7 | 4 | 0 |
| 1090 | Exposed Rebar | LF | 4 | 0 | 0 | 4 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 1 | 0 | 1 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 6 | 0 | 6 | 0 | 0 |
| (234) | | | | | | | |
| Spall with rebar exposed to haunch @ Girder 4 @ Bent 1 backside. | | | | | | | |

| ELEM | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|--|------------------------------------|-------|-------|-----|-----|-----|-----|
| Spall with rebar exposed to Right end of cap @ Bent 1. Spall with rebar exposed to haunch @ Girder 1 ahead & back side of Bent 1. Horizontal cracking to Left side of cap @ Bent 1. Efflorescent cracking backside of cap @ Bent 1. | | | | | | | |
| 304 | Open Expansion Joint | LF | 27 | 0 | 0 | 27 | 0 |
| 2350 | Debris Impaction | LF | 27 | 0 | 0 | 27 | 0 |
| (304) | | | | | | | |
| Joint is not visible due to asphalt overlay. | | | | | | | |
| 331 | Reinforced Concrete Bridge Railing | LF | 98 | 96 | 0 | 2 | 0 |
| 7000 | Damage | LF | 2 | 0 | 0 | 2 | 0 |
| (331) | | | | | | | |
| Damage to concrete end post @ Abutment 1 Left. | | | | | | | |



Roadway with Log Mile running Southwest to Northeast.

Maintenance Needs

Date Reported: 08/25/2011

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Cracking & spalls with rebar exposed to diaphragms between Girders 1-4 @ Bent 1.

Remarks



Cracking & spalls with rebar exposed to diaphragms between Girders 1-4 @ Bent 1.



Cracking & spalls with rebar exposed to diaphragms between Girders 1-4 @ Bent 1.



Bridge #01446(Routine, Underwater type 2)

SH 367 White Co. over LAWRENCE BAYOU

Location: 065 M S JCT37-367

Team Lead: Nathan Edwards **Inspection Date:** August 17, 2021

Date Reported: 08/25/2011

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Span 2, Girder 1 has spall with 1' rebar exposed to concrete Haunch.

Remarks



Span 2 Girder 1 has spall with 1' rebar exposed to concrete Haunch.

Date Reported: 08/25/2011
Priority: G - General/ Preventive maintenance
Type of Work: Repair
Status: Monitor
Component:

Deficiency Description

Impact damage to right guard @ approach at Abutment 1.

Remarks



Impact damage to right guard @ approach at
Abutment 1.

Date Reported: 08/19/2013

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Spall with 1' of rebar exposed to concrete haunch of Girder 4 @ Span 1.

Remarks



Spall with 1' of rebar exposed to concrete haunch
of Girder 4 @ Span 1

Date Reported: 08/25/2015

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component:

Deficiency Description

Large spall with rebar exposed to the right end of cap @ Bent 1.

Remarks



Large cracks and area of delamination to the right end of cap @ Bent 1.



Bridge #01446(Routine, Underwater type 2)

SH 367 White Co. over LAWRENCE BAYOU

Location: 065 M S JCT37-367

Team Lead: Nathan Edwards **Inspection Date:** August 17, 2021

Inspection Comments

Elevation with Log Mile running to the Right.

Job# 595

Deck Notes

Wearing Surface: Cracking to asphalt overlay.

Superstructure Notes

Diaphragms/Cross Frames: Cracking & spalls with 16' of rebar exposed to concrete diaphragms on back & ahead sides of Bent 1.

Substructure Notes

Backwall: Large area of delaminating @ Abutment 2

Pier Cap: Large cracks to right end of cap at bent 1.

Load Rating

The layout drawing is 2886. The span drawing is 2353. Job Number 595