



Latitude:34.29777, Longitude:-91.43508

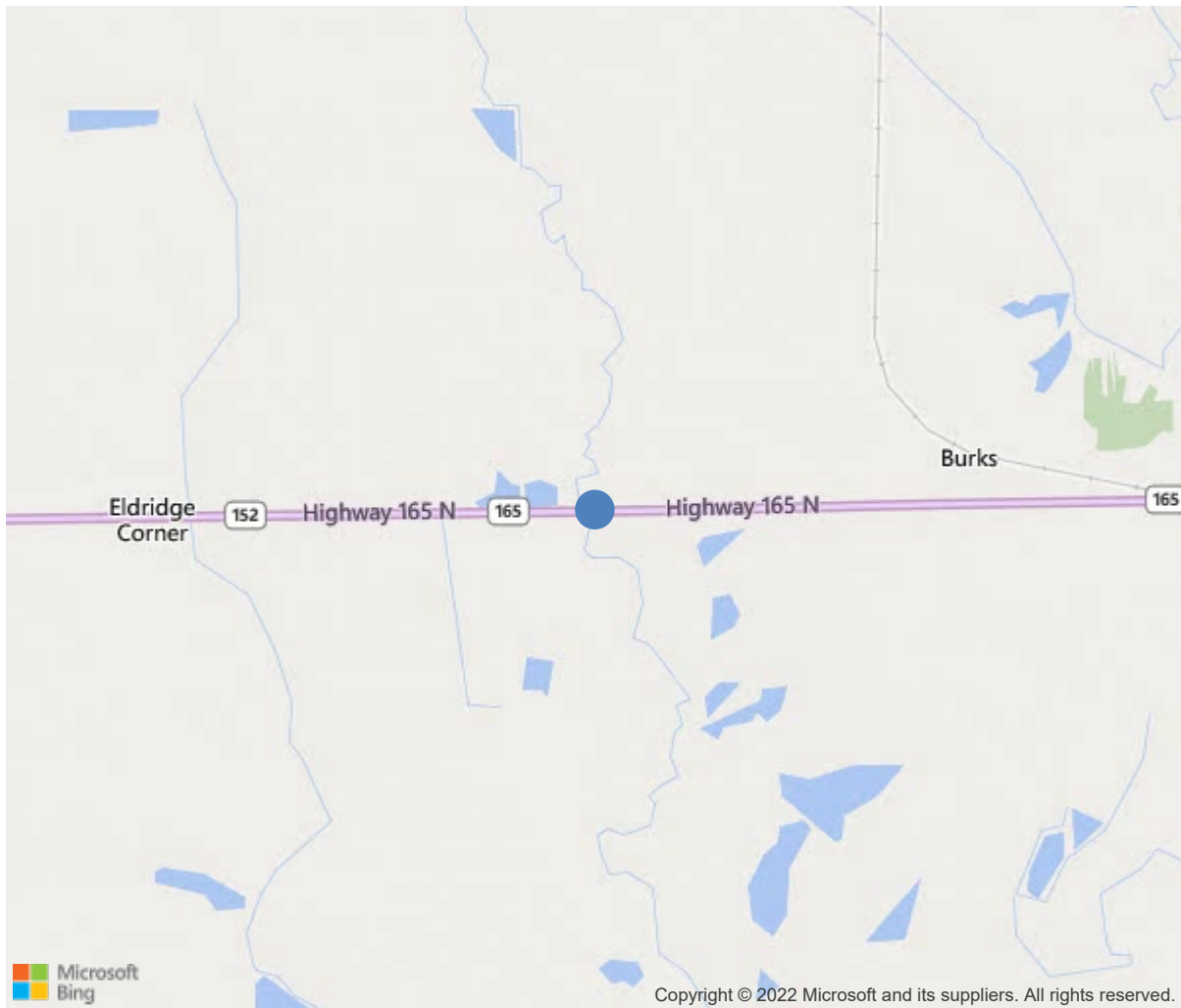
Route:165 Section:05 Log:28.39

Arnold Road ID:1x165x5xA, Arnold Log mile:28.572

District 02, Arkansas County

Owner: 1-State Highway Agency

3.2 Mi E SH 11-DeWitt



34.29777, -91.43508

Inspection Direction : E to W



Bridge #02891(Routine)

US 165-05 LM 28.39 over Mill Bayou

Location: 3.2 Mi E SH 11-DeWitt

Team Lead: Greg Loomis Inspection Date: September 27, 2021

| IDENTIFICATION | |
|---|--|
| (1) State Names | Arkansas |
| (8) Structure Number | 02891 |
| (5) Inventory Route | 165 |
| (2) Highway Agency District | 02 |
| (3) County Code | 1-Arkansas County, Arkansas |
| (4) Place Code | 0 |
| (6) Features Intersected | Mill Bayou |
| (7) Facility Carried | US 165-05 LM 28.39 |
| (9) Location | 3.2 Mi E SH 11-DeWitt |
| (11) Mile Point | 28.39 mi |
| (12) Base Highway Network | Yes |
| (13) LRS Inventory Rte & Subrte | 0000165050 |
| (16) Latitude | 34.29777 |
| (17) Longitude | -91.43508 |
| (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 | 6 |
| (46) No. of Approach Spans | 0 |
| (107) Deck Structure Type | 1-Concrete Cast-in-Place |
| (108) Wearing Surface/Protective System | |
| Type of Wearing Surface | 1-Monolithic Concrete (concurrently placed |
| Type of Membrane | 0-None |
| Type of Deck Protection | 0-None |
| AGE AND SERVICE | |
| (27) Year Built | 1953 |
| (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 | 2200 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 15 % |
| (19) Bypass, Detour Length | 18 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 25 ft |
| (49) Structure Length | 150 ft |
| (50) Curb or Sidewalk Width | |
| Left | 1.5 ft |
| Right | 1.5 ft |
| (51) Bridge Roadway Width Curb to Curb | 26 ft |
| (52) Deck Width Out to Out | 29.5 ft |
| (32) Approach Roadway Width (W/Shoulders) | 27.9 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 | 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 water |
| (111) Pier Protection | 5-None present but re-evaluation |
| (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 | 2-Rural Principal Arterial - Oth |
| (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 | 1-The inventory route is part of the |
| (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 | 7 |
| (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 | 49.1 |
| (65) Inventory Rating Method | 1-Load Factor(LF) |
| (66) Inventory Rating | |
| Type | 6 |
| Rating | 30 |
| (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 | 3 |
| (69) Clearances, Vertical/Horizontal | N |
| (71) Waterway Adequacy | 8 |
| (72) Approach Roadway Alignment | 8 |
| (36A) Bridge Railings | 0-Inspected feature does not meet cur |
| (36B) Transitions | 1-Inspected feature meets currently a |
| (36C) Approach Guardrail | 1-Inspected feature meets currently a |
| (36D) Approach Guardrail Ends | 1-Inspected feature meets currently a |
| (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 | 180 ft |
| (94) Bridge Improvement Cost | \$ 0 |
| (95) Roadway Improvement Cost | \$ 235 |
| (96) Total Project Cost | \$ 669 |
| (97) Year of Improvement Cost Estimate | 2002 |
| (114) Future ADT | 2920 |
| (115) Year of Future ADT | 2028 |

| INSPECTIONS * | | | |
|--|-----------|-------------|------|
| (90) Inspection Date | 09/2021 | | |
| (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. | | | |

Team Lead: Greg Loomis, **Inspection Date:** September 27, 2021

[illegible]



Roadway view



Deck - Spans 1-6: Typical



Soffit - Span 5: Typical



Deck - Span 6 left: Longitudinal crack

Maintenance Needs

Date Reported: 08/18/2011
Priority: C - Important
Type of Work: Repair
Status: Open
Inspection Direction E to W
Component: 304 - Open Expansion Joint

Deficiency Description

Joints – Bents 2-6:
No pourable joint material in place – joints are filled with dirt and debris.
Bents 2, 4, & 5: Spalling of adjacent concrete with some repairs.

09-27-2021 GGL-PRD: Changed priority from "D" to "C".

Remarks

clean joint, replace material



Joint - Bent 2: Spalling of adjacent deck

Team Lead: Greg Loomis **Inspection Date:** September 27, 2021

Date Reported: 08/14/2013
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Inspection Direction E to W
Component: 234 - Reinforced Concrete Pier Cap

Deficiency Description

Caps: Some minor cracking, shallow delaminations, and minor spalling on front and back faces of caps, mostly near ends under curbs and gutterlines.

Bent 1: Shallow spall on left side with some steel exposed.

Bent 4 ahead side: Shallow spall with exposed rebar over Pile 2.

Bent 5 left end: Scalling with some steel exposed rebar.

Bent 6 both ends: Scalling with some exposed rebar.

Bent 7: Shallow spall with minor exposed rebar.

Remarks



Abutment - Bent 7



Cap - Bent 3 back face



Cap - Bent 6 right



Cap - Bent 2 left ahead face



Abutment - Bent 1 left

Date Reported: 09/01/2015
Priority: G - General/ Preventive maintenance
Type of Work: Repair
Status: Monitor
Inspection Direction E to W
Component: 38 - RC Slab

Deficiency Description

Soffit - Span 1 left: Delamination/spalling with exposed rebar at drain

Remarks



Spall with exposed rebar at soffit drain opening span 1 left side .



Soffit - Span 1 left: Rebar exposed



Bridge #02891 (Routine)

US 165-05 LM 28.39 over Mill Bayou

Location: 3.2 Mi E SH 11-DeWitt

Team Lead: Greg Loomis **Inspection Date:** September 27, 2021

Inspection Comments

Bridge is logged from east to west.