



Latitude:36.29627, Longitude:-90.88204

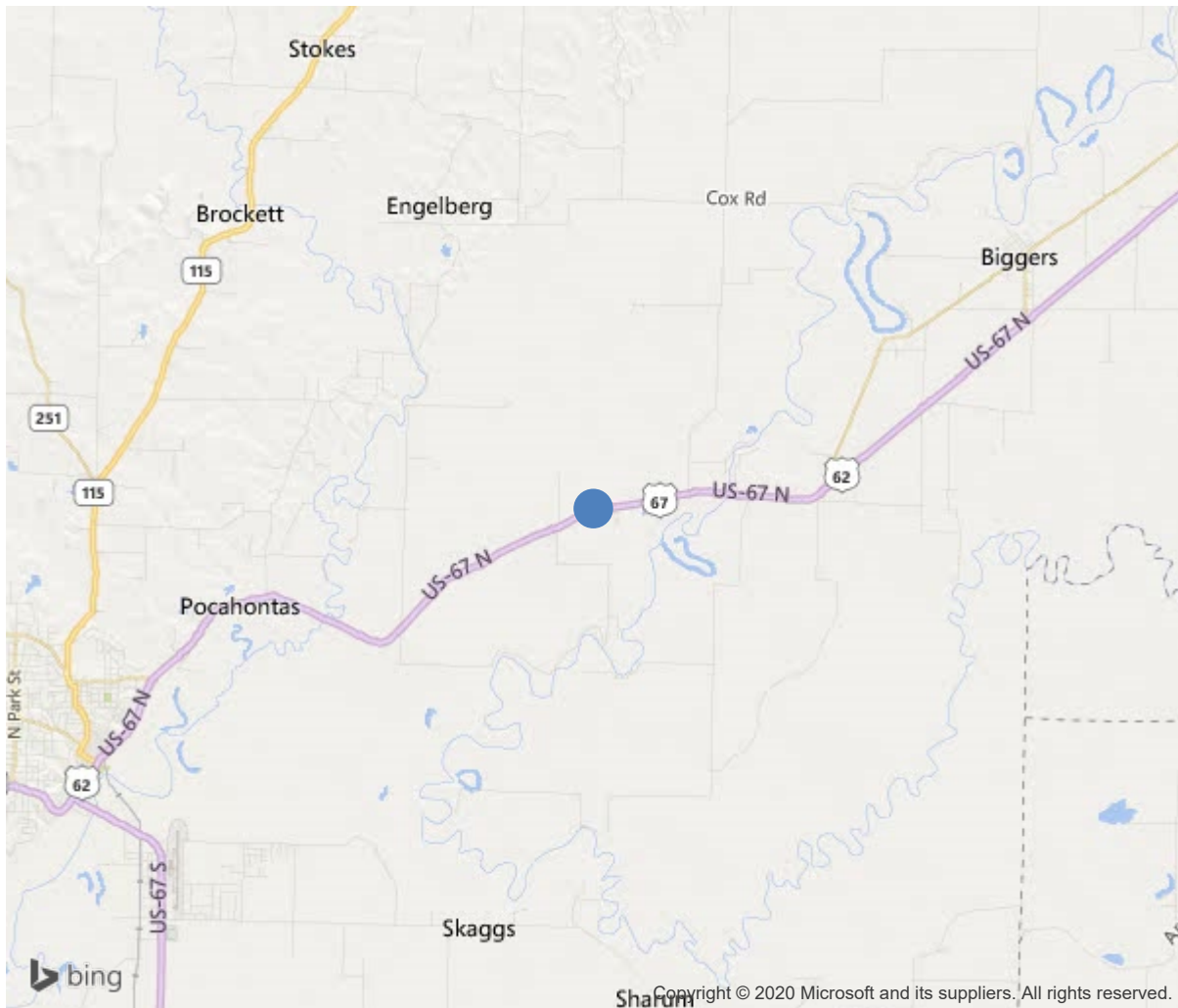
Route:67 Section:19 Log:6.56

Arnold Road ID:61x67x19xA, Arnold Log mile:6.546

District 10, Randolph County

Owner: 1-State Highway Agency

6.50 MI NE JCT US 62 & 67



36.29627, -90.88204



Bridge #00497 (Routine)
US 67-19- LM 6.56 over SALLEE SLOUGH

Location: 6.50 MI NE JCT US 62 & 67

Team Lead: Tim Myrick Inspection Date: May 14, 2018

| IDENTIFICATION | |
|-------------------------------------------|----------------------------------|
| (1) State Names | Arkansas |
| (8) Structure Number | 00497 |
| (5) Inventory Route | 67 |
| (2) Highway Agency District | 10 |
| (3) County Code | 121-Randolph County, Arkansas |
| (4) Place Code | 0 |
| (6) Features Intersected | SALLEE SLOUGH |
| (7) Facility Carried | US 67-19- LM 6.56 |
| (9) Location | 6.50 MI NE JCT US 62 & 67 |
| (11) Mile Point | 6.56 mi |
| (12) Base Highway Network | Yes |
| (13) LRS Inventory Rte & Subrte | 0000067190 |
| (16) Latitude | 36.29627 |
| (17) Longitude | -90.88204 |
| (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 | 4 |
| (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 | 1928 |
| (106) Year Reconstructed | 1955 |
| (42) Type of Service | 15 |
| On | 1-Highway |
| Under | 5-Waterway |
| (28) Lane | |
| On | 2 |
| Under | 0 |
| (29) Average Daily Traffic | 6600 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 10 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 31 ft |
| (49) Structure Length | 122 ft |
| (50) Curb or Sidewalk Width | |
| Left | 1.2 ft |
| Right | 1.2 ft |
| (51) Bridge Roadway Width Curb to Curb | 28.2 ft |
| (52) Deck Width Out to Out | 31.7 ft |
| (32) Approach Roadway Width (W/Shoulders) | 42 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 | 28.2 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 | | | 6 |
| (60) Substructure | | | 6 |
| (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 | 60 | | |
| (65) Inventory Rating Method | 1-Load Factor(LF) | | |
| (66) Inventory Rating | | | |
| Type | 4 | | |
| 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 | | | 4 |
| (69) Clearances, Vertical/Horizontal | | | N |
| (71) Waterway Adequacy | | | 9 |
| (72) Approach Roadway Alignment | | | 8 |
| (36) Traffic Safety Features | | | 0011 |
| A) Bridge Railings | 0-Inspected feature does not meet cur | | |
| B) Transitions | 0-Inspected feature does not meet cur | | |
| C) Approach Guardrail | 1-Inspected feature meets currently a | | |
| D) 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 | | | |
| (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 | | | 5436 |
| (115) Year of Future ADT | | | 2028 |
| INSPECTIONS | | | |
| (90) Inspection Date | | | 201805 |
| (91) Frequency | | | 24 Months |
| (92) Critical Feature Inspection | Done | Freq. (Mon) | Date |
| A: Fracture Critical Detail | No | 24 | |
| B: Underwater Inspection | No | 0 | |
| C: Other Special Inspection | No | 0 | |

| | |
|---------------------|---------------|
| SUFFICIENCY RATING | 77.6 |
| STATUS (SD/FO/None) | Not Deficient |



Bridge #00497 (Routine)

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Location: 6.50 MI NE JCT US 62 & 67

Team Lead: Ronnie Richardson, Inspection Date: May 14, 2018

| ELEM | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|------|--------------------------------------|-------|-------|------|-----|-----|-----|
| 16 | Reinforced Concrete Top Flange | SF | 3867 | 3850 | 17 | 0 | 0 |
| 1080 | Delamination/Spall/Patched Area | SF | 5 | 0 | 5 | 0 | 0 |
| 1090 | Exposed Rebar | SF | 12 | 0 | 12 | 0 | 0 |
| 510 | Wearing Surfaces | SF | 3428 | 3165 | 0 | 263 | 0 |
| 3220 | Crack (Wearing Surface) | SF | 263 | 0 | 0 | 263 | 0 |
| 110 | Reinforced Concrete Open Girder/Beam | LF | 726 | 690 | 0 | 36 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 1 | 0 | 0 | 1 | 0 |
| 1130 | Cracking (RC and Other) | LF | 35 | 0 | 0 | 35 | 0 |
| 215 | Reinforced Concrete Abutment | LF | 76 | 76 | 0 | 0 | 0 |
| 227 | Reinforced Concrete Pile | EA | 18 | 0 | 18 | 0 | 0 |
| 1080 | Delamination/Spall/Patched Area | EA | 1 | 0 | 1 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | EA | 17 | 0 | 17 | 0 | 0 |
| 234 | Reinforced Concrete Pier Cap | LF | 83 | 67 | 3 | 13 | 0 |
| 1080 | Delamination/Spall/Patched Area | LF | 3 | 0 | 0 | 3 | 0 |
| 1090 | Exposed Rebar | LF | 10 | 0 | 0 | 10 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 3 | 0 | 3 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 0 | 0 | 0 | 0 | 0 |
| 330 | Metal Bridge Railing | LF | 244 | 0 | 244 | 0 | 0 |
| 1000 | Corrosion | LF | 244 | 0 | 244 | 0 | 0 |



Deck view



Underneath deck view



Roadway view



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Maintenance Needs



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Inspection Comments

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Deck Notes

ROUTINE INSPECTION 2018 Concrete deck with asphalt overlay has a few moderate size cracks in asphalt overlay, mainly over joints and centerline. Concrete soffit, Span 2 right overhang has a 2 ft. x 2 ft. spall, no exposed rebar. Span 4, Bay 2 near Bt. 4 has a 2 ft. x 6 in. spall with exposed rebar. Concrete soffit has a few insignificant cracks with efflorescence. Bridge rail are rust covered with pitting.

Superstructure Notes

SUPERSTRUCTURE: Spans 1, 2 & 3 concrete girders (T Beams) have some cracks and spalls at ends of girder over caps, especially outside girders 1 & 6. Span 1 girders 3, 4 & 5 over bent 2, Span 2 girders 4 & 5 over bent 2 are cracked on ends. Span 2 concrete girder 6 (T Beam) has 2 ft. long longitudinal crack in bottom of girder starting at Bt. 2 cap, see 2016 photo. Concrete diaphragms have insignificant size cracks with efflorescence see 2008 photo.

Substructure Notes

SUBSTRUCTURE: Bent 2 concrete cap has a 1 ft. x 1 ft. x 2 in. deep spall to bottom of cap with exposed rebar. Bent 3 concrete cap has a 2 ft. x 1 ft. x 2 in. deep spall with exposed rebar on Rt. end of cap. Bent 3 concrete cap, span 3 side, (ahead) under girder 5 has a 2 ft. x 2 ft. spall with exposed rebar. Bent 3 concrete cap, span 3 side, (ahead) between girders 1 & 2 has a spall with exposed rebar. Bent 4 concrete cap has a 1 ft. x 2 ft. x 1 1/2 in deep spall with exposed rebar under girder 2 on span 3 side see (2012 photo), also a 1 ft. x 1 ft. delamination near pile 3. Concrete piles have minor cracking and deterioration. Bent 4 pile 3 top 1.0 ft. has a shelled off area, no exposed rebar.