



Latitude:34.71903, Longitude:-92.99264

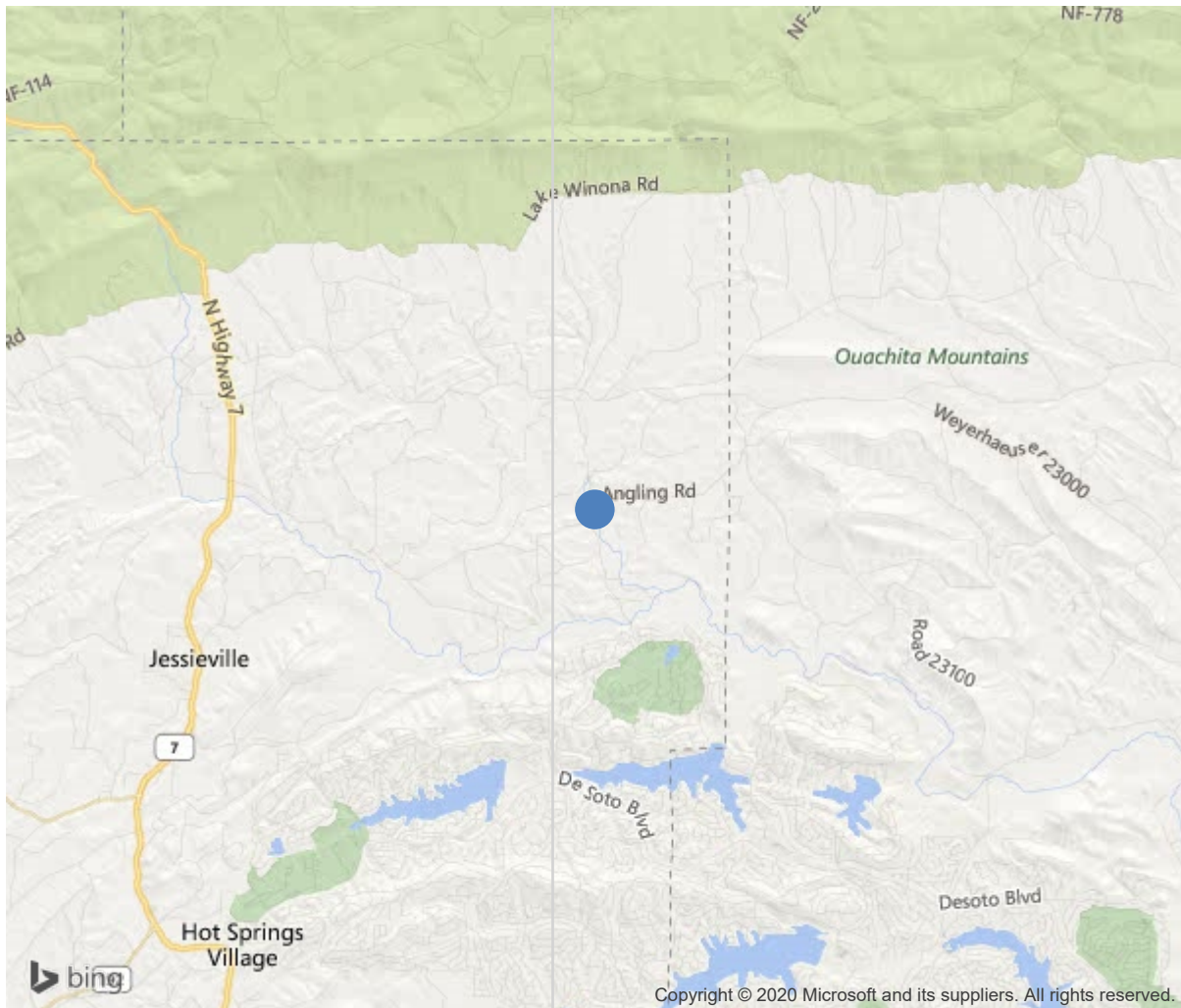
Route:73 Section:00 Log:6.2

Arnold Road ID:26xBEAUDRYCIRx1xA, Arnold Log mile:5.361

District 06, Garland County

Owner: 2-County Highway Agency

.2 M S CORDS 496 & 73



34.71903, -92.99264



Bridge #17970(Routine)
CR 73, BEAUDRY CIR over BRUSHY CRK
Location: .2 M S CORDS 496 & 73

Team Lead: Bill Marlow Inspection Date: February 01, 2017

| IDENTIFICATION | |
|---|--|
| (1) State Names | Arkansas |
| (8) Structure Number | 17970 |
| (5) Inventory Route | 73 |
| (2) Highway Agency District | 06 |
| (3) County Code | 51-Garland County, Arkansas |
| (4) Place Code | 0 |
| (6) Features Intersected | BRUSHY CRK |
| (7) Facility Carried | CR 73, BEAUDRY CIR |
| (9) Location | .2 M S CORDS 496 & 73 |
| (11) Mile Point | 6.2 mi |
| (12) Base Highway Network | No |
| (13) LRS Inventory Rte & Subrte | 0000000000 |
| (16) Latitude | 34.71903 |
| (17) Longitude | -92.99264 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 122 |
| Material | 1-Concrete |
| Type | 22-Channel 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 | 2-Concrete Precast Panels |
| (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 | 1970 |
| (106) Year Reconstructed | 0 |
| (42) Type of Service | 15 |
| On | 1-Highway |
| Under | 5-Waterway |
| (28) Lane | |
| On | 1 |
| Under | 0 |
| (29) Average Daily Traffic | 65 |
| (30) Year of ADT | 1987 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 2 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 45 ft |
| (49) Structure Length | 90 ft |
| (50) Curb or Sidewalk Width | |
| Left | 1 ft |
| Right | 1 ft |
| (51) Bridge Roadway Width Curb to Curb | 15.1 ft |
| (52) Deck Width Out to Out | 17.1 ft |
| (32) Approach Roadway Width (W/Shoulders) | 18 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 | 99.9 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 | 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 | One lane bridge for 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 | 2-County Highway Agency |
| (22) Owner | 2-County Highway Agency |
| (37) Historical Significance | 4-Historical significance is not dete |
| CONDITION | |
| (58) Deck | 7 |
| (59) Superstructure | 6 |
| (60) Substructure | 5 |
| (61) Channel & Channel Protection | 6 |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 0-Other or Unknown |
| (63) Operating Rating Method | 1 |
| (64) Operating Rating | |
| Type | 1-Load Factor(LF) |
| Rating | 46 |
| (65) Inventory Rating Method | 1-Load Factor(LF) |
| (66) Inventory Rating | |
| Type | 2 |
| Rating | 28 |
| (70) Bridge Posting | 5-Equal to or above legal loads |
| (41) Structure Open/Posted/Closed | A-Open, no restriction |
| APPRAISAL | |
| (67) Structural Evaluation | 5 |
| (68) Deck Geometry | 7 |
| (69) Clearances, Vertical/Horizontal | N |
| (71) Waterway Adequacy | 8 |
| (72) Approach Roadway Alignment | 6 |
| (36) Traffic Safety Features | 0000 |
| A) Bridge Railings | 0-Inspected feature does not meet cur |
| B) Transitions | 0-Inspected feature does not meet cur |
| C) Approach Guardrail | 0-Inspected feature does not meet cur |
| D) 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 | 116 ft |
| (94) Bridge Improvement Cost | \$ 0 |
| (95) Roadway Improvement Cost | \$ 109 |
| (96) Total Project Cost | \$ 302 |
| (97) Year of Improvement Cost Estimate | 1995 |
| (114) Future ADT | 85 |
| (115) Year of Future ADT | 2007 |
| INSPECTIONS | |
| (90) Inspection Date | |
| (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 |



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Team Lead: Bill Marlow, Inspection Date: February 01, 2017

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



Approach
Looking southbound.



Deck surface.



Cracks in the breast wall of bent 3.



The grout covering the channel beam lock of units 1&2 is missing at bent 2.



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Maintenance Needs



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Inspection Comments

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Deck Notes

Grout covering over the channel beam lock at bent 2 is missing.

Superstructure Notes

Small spalls on the bottom of the legs of the channel beams in both spans.

Substructure Notes

Both abutments have cracks in the breast walls. All of the footings are exposed. The bents are cast on exposed rock formations.