



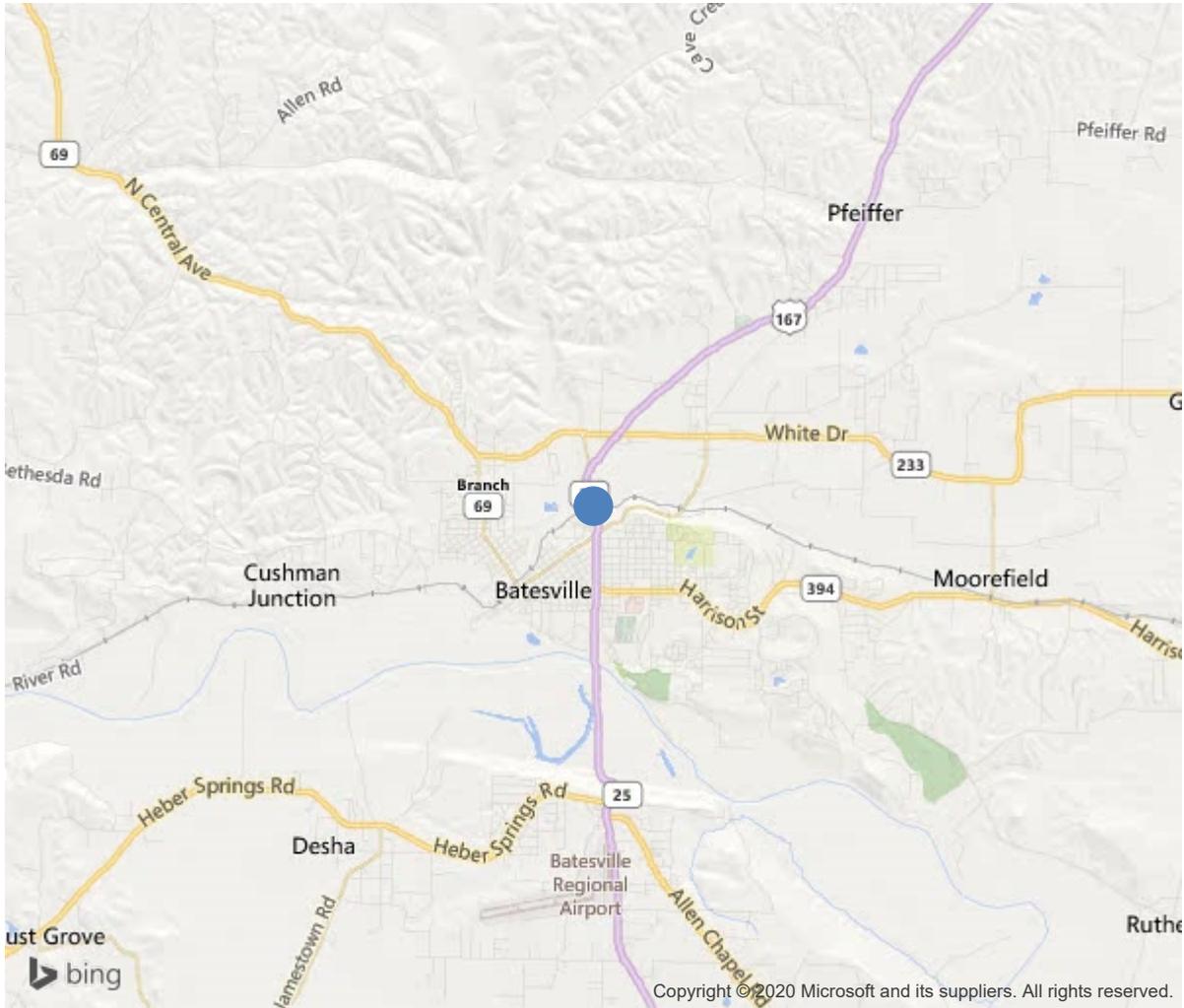
Bridge #07110(Routine)

US 167/Indepen Co. over Mo. & No. Ar. RR

Location: .80 Mi N. Jct SH 69

Team Lead: Kerry Little Inspection Date: August 15, 2018

.80 Mi N. Jct SH 69



35.78131, -91.64131



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| IDENTIFICATION | |
|---|--|
| (1) State Names | Arkansas |
| (8) Structure Number | 07110 |
| (5) Inventory Route | 167 |
| (2) Highway Agency District | 05 |
| (3) County Code | 63-Independence County, Arkansas |
| (4) Place Code | 3700 |
| (6) Features Intersected | Mo. & No. Ar. RR |
| (7) Facility Carried | US 167/Indepen Co. |
| (9) Location | .80 Mi N. Jct SH 69 |
| (11) Mile Point | 0.8 mi |
| (12) Base Highway Network | Yes |
| (13) LRS Inventory Rte & Subrte | 0000167180 |
| (16) Latitude | 35.78131 |
| (17) Longitude | -91.64131 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 42 |
| Material | 4-Steel continuous |
| Type | 2-Stringer/Multi-beam or girder |
| (44) Approach Structure Type | 00 |
| Material | 0-Other |
| Type | 0-Other |
| (45) No. of Spans in Main Unit | 3 |
| (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 | 1-Epoxy Coated Reinforcing |
| AGE AND SERVICE | |
| (27) Year Built | 2010 |
| (106) Year Reconstructed | 0 |
| (42) Type of Service | 12 |
| On | 1-Highway |
| Under | 2-Railroad |
| (28) Lane | |
| On | 4 |
| Under | 0 |
| (29) Average Daily Traffic | 17747 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 9 % |
| (19) Bypass, Detour Length | 3 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 72 ft |
| (49) Structure Length | 188.3 ft |
| (50) Curb or Sidewalk Width | |
| Left | 6.5 ft |
| Right | 6.5 ft |
| (51) Bridge Roadway Width Curb to Curb | 56.1 ft |
| (52) Deck Width Out to Out | 58 ft |
| (32) Approach Roadway Width (W/Shoulders) | 58.1 ft |
| (33) Bridge Median | 0-No median |
| (34) Skew | 20 Deg |
| (35) Structure Flared | No flare |
| (10) Inventory Route Min Vert Clear | 99.99 ft |
| (47) Inventory Route Total Horiz Clear | 70.9 ft |
| (53) Min Vert Clear Over Bridge Rdwy | 99.9 ft |
| (54) Min Vert Underclear | 23.25 ft |
| Ref: | |
| (55) Min Lat Underclear RT | 26.9 ft |
| Ref: | |
| (56) Min Lat Underclear LT | 0 ft |
| NAVIGATION DATA | |
| (38) Navigation Control | N-Not applicable, no waterway. |
| (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 | 14-Urban Other Principal Arterial |
| (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 | 8 |
| (60) Substructure | 8 |
| (61) Channel & Channel Protection | N |
| (62) Culverts | N |
| LOAD RATING AND POSTING | |
| (31) Design Load | 5-MS 18 / HS 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 | 3 |
| 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 | 8 |
| (68) Deck Geometry | 5 |
| (69) Clearances, Vertical/Horizontal | 9 |
| (71) Waterway Adequacy | N |
| (72) Approach Roadway Alignment | 8 |
| (36) Traffic Safety Features | 1111 |
| A) Bridge Railings | 1-Inspected feature meets currently a |
| B) Transitions | 1-Inspected feature meets currently a |
| C) Approach Guardrail | 1-Inspected feature meets currently a |
| D) Approach Guardrail Ends | 1-Inspected feature meets currently a |
| (113) Scour Critical Bridges | N-Bridge not over waterway. |
| PROPOSED IMPROVEMENTS | |
| (75) Type of Work | |
| (76) Length of Structure Improvement | ft |
| (94) Bridge Improvement Cost | \$ |
| (95) Roadway Improvement Cost | \$ |
| (96) Total Project Cost | \$ |
| (97) Year of Improvement Cost Estimate | |
| (114) Future ADT | 21122 |
| (115) Year of Future ADT | 2028 |
| INSPECTIONS | |
| (90) Inspection Date | 201808 |
| (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 | 94.5 |
| STATUS (SD/FO/None) | Not Deficient |



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| ELEM | DESCRIPTION | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|---|------------------------------------|-------|-------|-------|------|-----|-----|
| 12 | Reinforced Concrete Deck | SF | 10921 | 9047 | 1454 | 420 | 0 |
| 1120 | Efflorescence/Rust Staining | SF | 14 | 0 | 14 | 0 | 0 |
| 1130 | Cracking (RC and Other) | SF | 1860 | 0 | 1440 | 420 | 0 |
| (12) | | | | | | | |
| Unsealed transverse and longitudinal cracks to deck @ all spans. Transverse cracking & map cracking to sidewalks and curbs. Transverse efflorescent cracking to Right overhang. | | | | | | | |
| 107 | Steel Open Girder/Beam | LF | 1860 | 1860 | 0 | 0 | 0 |
| 515 | Steel Protective Coating | SF | 15429 | 15429 | 0 | 0 | 0 |
| 205 | Reinforced Concrete Column | EA | 8 | 8 | 0 | 0 | 0 |
| 215 | Reinforced Concrete Abutment | LF | 156 | 147 | 9 | 0 | 0 |
| 1120 | Efflorescence/Rust Staining | LF | 9 | 0 | 9 | 0 | 0 |
| (215) | | | | | | | |
| Vertical efflorescent cracks to Abutments 1 & 2. Right wing cracked @ Abutment 2. | | | | | | | |
| 234 | Reinforced Concrete Pier Cap | LF | 154 | 154 | 0 | 0 | 0 |
| 301 | Pourable Joint Seal | LF | 336 | 336 | 0 | 0 | 0 |
| 302 | Compression Joint Seal | LF | 149 | 149 | 0 | 0 | 0 |
| 310 | Elastomeric Bearing | EA | 40 | 33 | 0 | 7 | 0 |
| 1020 | Connection | EA | 7 | 0 | 0 | 7 | 0 |
| (310) | | | | | | | |
| Anchor bolt nuts missing @ Abutment 2 - Girders 1, 2, 3, 5, 6, 8 & 10. | | | | | | | |
| 331 | Reinforced Concrete Bridge Railing | LF | 372 | 297 | 75 | 0 | 0 |
| 1130 | Cracking (RC and Other) | LF | 75 | 0 | 75 | 0 | 0 |
| (331) | | | | | | | |
| Vertical cracking to parapet walls. | | | | | | | |



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Maintenance Needs



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Inspection Comments

Job 050159Log Mile running North.
