



Latitude:33.82094, Longitude:-92.02080

Route:35 Section:05 Log:16.236

Arnold Road ID:13x35x5xA, Arnold Log mile:16.191

District 07, 25 - Cleveland County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

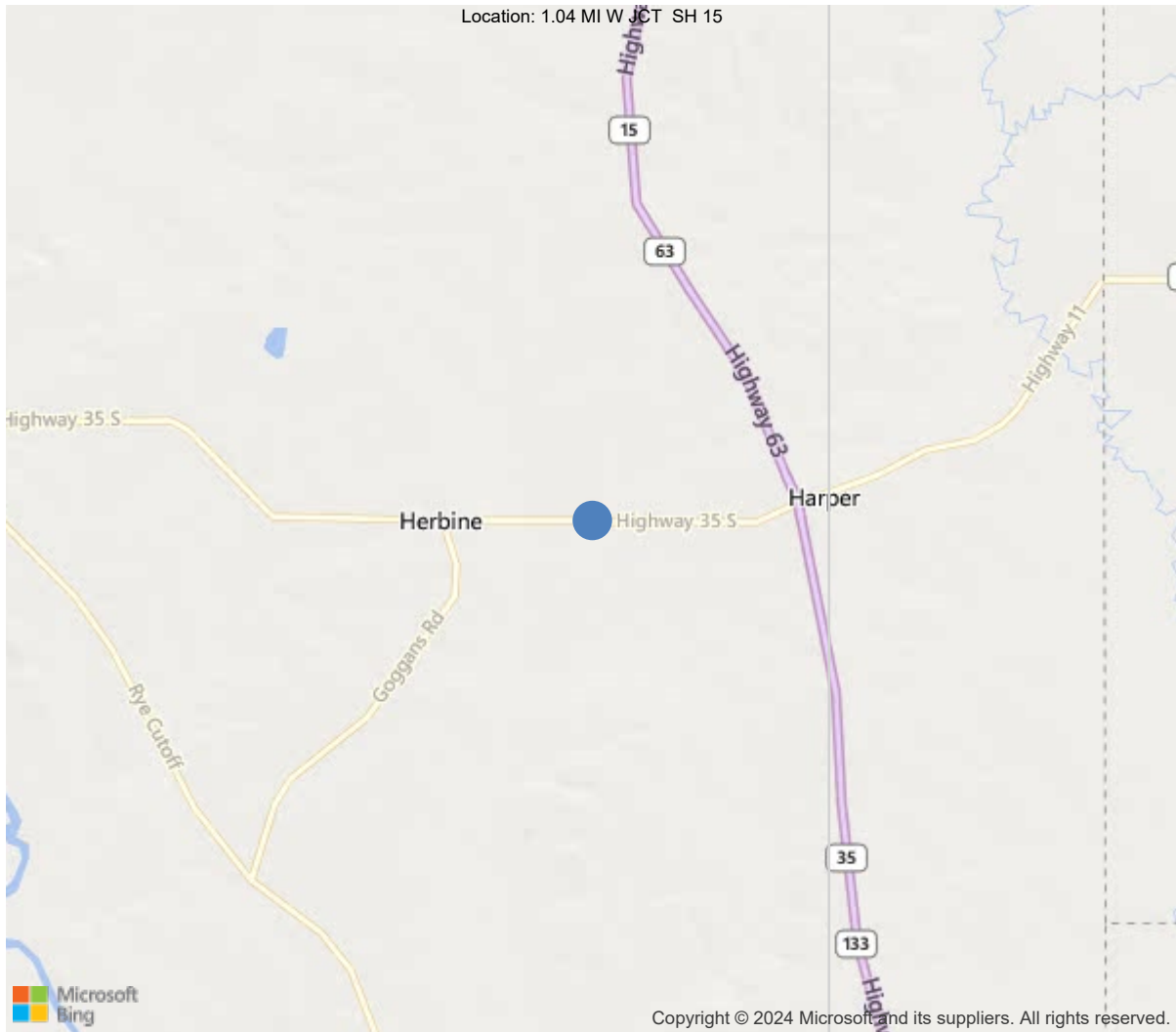
70 - Bridge Posting: 5 - Equal to or above legal loads

| Legal Load | Calculated Capacity | Beginning of Bridge Sign Current Value | End of Bridge Sign Current Value |
|------------------|---------------------|--|----------------------------------|
| Code 4 (22 Tons) | 31 | | |
| Code 9 (31 Tons) | 39 | | |
| Code 5 (40 Tons) | 54 | | |

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



33.82094, -92.02080



Asset #M0804(Routine)

SH 35 S-5 LM 16.23 over DITCH

Location: 1.04 MI W JCT SH 15

Team Lead: Rickie Bratton, Inspection Date: 09/11/2023

| IDENTIFICATION | |
|---|--|
| (1) State Names | 5 - Arkansas |
| (8) Structure Number | M0804 |
| (5) Inventory Route | 1 |
| (2) Highway Agency District | 07 - District 07 |
| (3) County Code | 25 - Cleveland County |
| (4) Place Code | 0 |
| (6) Features Intersected | DITCH |
| (7) Facility Carried | SH 35 S-5 LM 16.23 |
| (9) Location | 1.04 MI W JCT SH 15 |
| (11) Mile Point | 16.236 mi |
| (12) Base Highway Network | No |
| (13) LRS Inventory Rte & Subrte | 0000000000 |
| (16) Latitude | 33.82094 |
| (17) Longitude | -92.0208 |
| (98) Border Bridge State Code | |
| (99) Border Bridge Structure No. | |
| STRUCTURE TYPE AND MATERIAL | |
| (43) Main Structure Type | 119 |
| Material | 1 - Concrete |
| Type | 19 - Culvert |
| (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 | N - Not applicable |
| (108) Wearing Surface/Protective System | |
| Type of Wearing Surface | N - Not applicable (applies only to stru |
| Type of Membrane | N - Not applicable (applies only to stru |
| Type of Deck Protection | N - Not applicable (applies only to stru |
| AGE AND SERVICE | |
| (27) Year Built | 1928 |
| (106) Year Reconstructed | 1961 |
| (42) Type of Service | 15 |
| On | 1 - Highway |
| Under | 5 - Waterway |
| (28) Lane | |
| On | 2 |
| Under | 0 |
| (29) Average Daily Traffic | 550 |
| (30) Year of ADT | 2018 |
| (109) Truck ADT | 1 % |
| (19) Bypass, Detour Length | 0 mi |
| GEOMETRIC DATA | |
| (48) Length of Maximum Span | 10 ft |
| (49) Structure Length | 22 ft |
| (50) Curb or Sidewalk Width | |
| Left | 0 ft |
| Right | 0 ft |
| (51) Bridge Roadway Width Curb to Curb | 0 ft |
| (52) Deck Width Out to Out | 38 ft |
| (32) Approach Roadway Width (W/Shoulders) | 22 ft |
| (33) Bridge Median | 0 - No median |
| (34) Skew | 0 Deg |
| (35) Structure Flared | 0 - 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 w |
| (111) Pier Protection | 1 - Navigation protection not |
| (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 |
| (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 |
| (20) Toll | 3 - On free road. The structu |
| (21) Maintain | 1 - State Highway Agency |
| (22) Owner | 1 - State Highway Agency |
| (37) Historical Significance | 5 - Bridge is not eligible for |
| CONDITION | |
| (58) Deck | N |
| (59) Superstructure | N |
| (60) Substructure | N |
| (61) Channel & Channel Protection | 8 |
| (62) Culverts | 6 |
| 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 | 44 |
| (65) Inventory Rating Method | 1 - Load Factor(LF) |
| (66) Inventory Rating | |
| Type | |
| Rating | 26 |
| (70) Bridge Posting | 5 - Equal to or above legal loads |
| (41) Structure Open/Posted/Closed | A - Open, no restriction |
| APPRAISAL | |
| (67) Structural Evaluation | |
| (68) Deck Geometry | N |
| (69) Clearances, Vertical/Horizontal | N |
| (71) Waterway Adequacy | 6 |
| (72) Approach Roadway Alignment | 8 |
| (36A) Bridge Railings | 0 - Inspected feature does not meet |
| (36B) Transitions | 0 - Inspected feature does not meet |
| (36C) Approach Guardrail | 0 - Inspected feature does not meet |
| (36D) Approach Guardrail Ends | 0 - Inspected feature does not meet |
| (113) Scour Critical Bridges | 8 - Bridge foundations determined t |
| 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 | 694 |
| (115) Year of Future ADT | 2028 |

| INSPECTIONS * | | | |
|--|------------|-------------|------|
| (90) Inspection Date | 09/11/2023 | | |
| (91) Frequency | 24 | | |
| (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. | | | |



General Observation

Logged west to east.

62 - Culverts (6 - Deterioration or initial disintegration, minor chloride contamination, cracking with some leaching, or spalls on concrete or masonry walls and slabs. Local minor scouring at curtain walls, wingwalls or pipes. Metal culverts have a smooth curvature, non-symmetrical shape, significant corrosion or moderate pitting.)

2 span concrete culvert

Barrels have a few minor vertical cracks, with coarse abrasion at bottom of walls.

A-46 - Asset Files

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A-63 - Missing/Incorrect Log Mile Signage (Y)

Both ends missing log mile signs.

Team Lead: Rickie Bratton, **Inspection Date:** 09/11/2023

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | <div> <div></div> <div></div> <div></div> <div></div> </div> | | | |
|--|-----------------------------|-------|-------|--|-----|-----|-----|
| | | | | CS1 | CS2 | CS3 | CS4 |
| 241 | Reinforced Concrete Culvert | LF | 76 | 0 | 73 | 3 | 0 |
| 1130 | Cracking (RC and Other) | LF | 3 | 0 | 3 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 73 | 0 | 70 | 3 | 0 |
| (241) Barrels have a few minor vertical cracks, with coarse abrasion at bottom of walls. | | | | | | | |



Asset #M0804(Routine)

SH 35 S-5 LM 16.23 over DITCH

Location: 1.04 MI W JCT SH 15

Team Lead: Rickie Bratton, Inspection Date: 09/11/2023

Culvert

| ELEMENTS | DESCRIPTION | UNITS | TOTAL | | | | |
|--|-----------------------------|-------|-------|-----|-----|-----|-----|
| | | | | CS1 | CS2 | CS3 | CS4 |
| 241 | Reinforced Concrete Culvert | LF | 76 | 0 | 73 | 3 | 0 |
| 1130 | Cracking (RC and Other) | LF | 3 | 0 | 3 | 0 | 0 |
| 1190 | Abrasion/Wear (PSC/RC) | LF | 73 | 0 | 70 | 3 | 0 |
| (241) Barrels have a few minor vertical cracks, with coarse abrasion at bottom of walls. | | | | | | | |

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Comment: 2 span concrete culvert

Barrels have a few minor vertical cracks, with coarse abrasion at bottom of walls.



Moderate abrasion at bottom of divider wall.



Barrel 2 cracks



Elevation



Approach roadway Eastbound



Profile



Roadway



Approach roadway.



Elevation.



Asset #M0804(Routine)

SH 35 S-5 LM 16.23 over DITCH

Location: 1.04 MI W JCT SH 15

Team Lead: Rickie Bratton, **Inspection Date:** 09/11/2023

Maintenance Needs

Date Reported: 09/11/2023

Priority: D- Routine

Type of Work: Miscellaneous

Status: Open

Component:

Deficiency Description

Both ends of structure missing Log Mile signs.

Remarks



Elevation



Asset #M0804(Routine)

SH 35 S-5 LM 16.23 over DITCH

Location: 1.04 MI W JCT SH 15

Team Lead: Rickie Bratton, Inspection Date: 09/11/2023

Routine Maintenance

Check Box Maintenance Items

| Type of Maintenance | Is recommended? |
|--|-----------------|
| A-54 - Sealable Deck Cracks | |
| A-55 - Deck Washing Needed | |
| A-56 - Joint Cleaning/Flushing Needed | |
| A-57 - Beam End and Bearing Paint Needed | |
| A-58 - Cap Cleaning/Flushing Needed | |
| A-59 - Joint Repair Needed | |
| A-60 - Full Beam Painting Needed | |
| A-61 - Polymer Overlay Advised | |
| A-62 - Hydro and LMC Advised | |
| A-63 Missing/Incorrect Log Mile Signage | Yes |
| A-64 - Vegetation Removal Requested | |

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



Asset #M0804(Routine)

SH 35 S-5 LM 16.23 over DITCH

Location: 1.04 MI W JCT SH 15

Team Lead: Rickie Bratton, Inspection Date: 09/11/2023

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage (Yes)

Both ends missing log mile signs.

A-64 - Vegetation Removal Requested



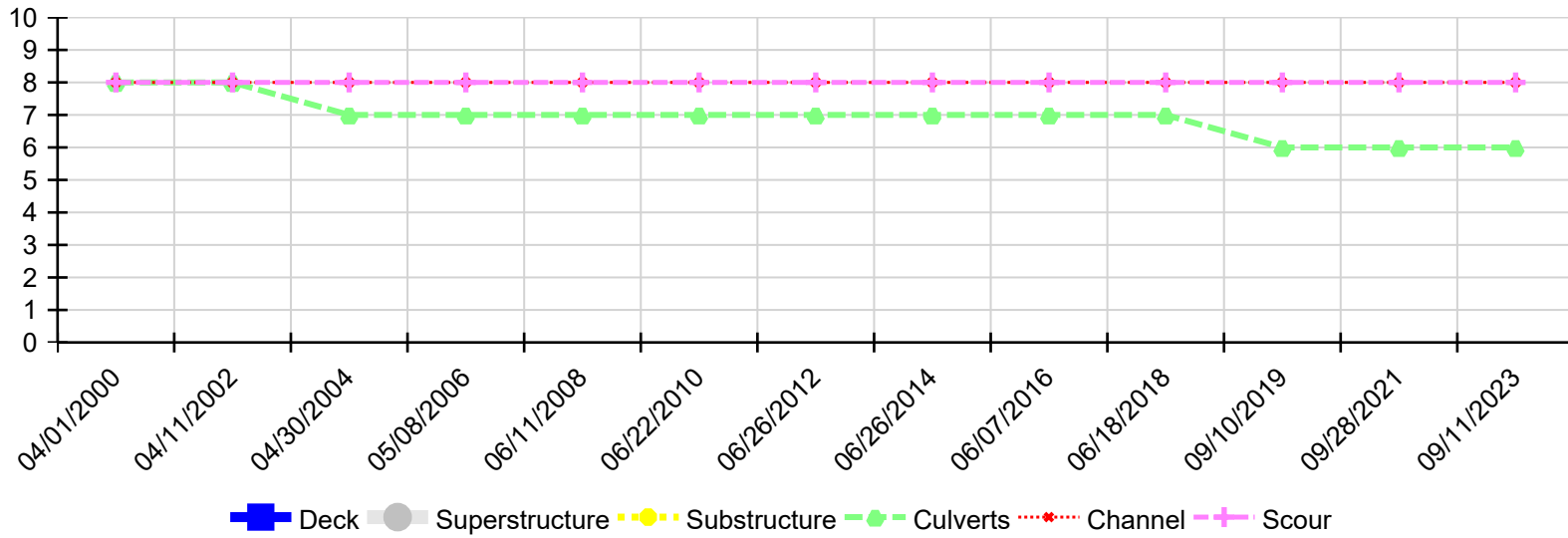
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Condition History



| Inspection Date | Deck | Superstructure | Substructure | Culverts | Channel | Scour |
|-----------------|------|----------------|--------------|----------|---------|-------|
| 09/11/2023 | N | N | N | 6 | 8 | 8 |
| 09/28/2021 | N | N | N | 6 | 8 | 8 |
| 09/10/2019 | N | N | N | 6 | 8 | 8 |
| 06/18/2018 | N | N | N | 7 | 8 | 8 |
| 06/07/2016 | N | N | N | 7 | 8 | 8 |
| 06/26/2014 | N | N | N | 7 | 8 | 8 |
| 06/26/2012 | N | N | N | 7 | 8 | 8 |
| 06/22/2010 | N | N | N | 7 | 8 | 8 |
| 06/11/2008 | N | N | N | 7 | 8 | 8 |
| 05/08/2006 | N | N | N | 7 | 8 | 8 |
| 04/30/2004 | N | N | N | 7 | 8 | 8 |
| 04/11/2002 | N | N | N | 8 | 8 | 8 |
| 04/01/2000 | N | N | N | 8 | 8 | 8 |