



Missouri Department of Transportation  
Bridge Inventory and Inspection System  
Structural Inventory & Appraisal Sheet

August 23, 2021  
2:54:19pm

COUNTY : GENTRY BRIDGE : T0195 1 REVIEW STATUS : CONVERTED NBI STATUS : T  
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/9/2021 SUBMITTAL YEAR : 2021

| GENERAL STRUCTURE INFORMATION  |                         |                          | ROUTE DESIGNATION INFORMATION   |                             |                           |
|--------------------------------|-------------------------|--------------------------|---------------------------------|-----------------------------|---------------------------|
| 1                              | State                   | MISSOURI                 | 5A                              | Record Type                 | ROUTE CARRIED 'ON' STRUCT |
| 2                              | District                | NW                       | 5B                              | Route Signing Prefix        | MO                        |
| 3                              | County                  | GENTRY                   | 5C                              | Designated Level of Service | MAINLINE                  |
| 8                              | Federal ID No.          | 9380                     | 5D                              | Route Number                | 0000E                     |
| 27                             | Year Built              | 1934                     | 5E                              | Directional Suffix          | NOT APPLICABLE            |
| 106                            | Year Reconstructed      | 1994                     | 7                               | Facility Carried            | RT E E                    |
| 42A                            | Type of Service On      | HIGHWAY                  | 12                              | Base Hwy. Network           | NO                        |
| 21                             | Structure Maintenance   | STATE HIGHWAY AGENCY     | 13A                             | LRS Inventory Route No.     |                           |
| 22                             | Structure Owner         | STATE HIGHWAY AGENCY     | 13B                             | Subroute No.                |                           |
| 33                             | Br. Median Code         | NO MEDIAN                | 20                              | Toll Status                 | ON FREE ROAD              |
| 37                             | Historical Significance | HISTORICAL SIGNIF UNKNWN | 26                              | Functional Classification   | 07-RURAL MAJOR COLLECTOR  |
| 101                            | Parallel Struc Desg     | NONE EXISTS              | 28A                             | Lanes on Structure          | 02                        |
| 103                            | Temporary Structure     | NOT TEMPORARY            | 100                             | STRAHNET Designation        | RTE NOT A DEFENSE HWY     |
| 112                            | NBIS Bridge Length      | YES                      | 104                             | National Highway System     | NOT ON NHS                |
|                                |                         |                          | 105                             | Federal Lands Highway       | NOT APPLICABLE            |
|                                |                         |                          | 110                             | Designated Nat. Network     | NO                        |
| STRUCTURE LOCATION INFORMATION |                         |                          | STRUCTURE TRAFFIC INFORMATION   |                             |                           |
| 4                              | Place                   | COOPER                   | 29                              | AADT                        | 347                       |
|                                | Code                    | 16282                    | 30                              | AADT Year                   | 2020                      |
| 9                              | Location                | S 9 T 62 N R 32 W        | 102                             | Direction of Traffic        | 2-WAY TRAFFIC             |
| 11                             | Milepoint               | 1.11 miles               | 109                             | AADT Truck Percent          | 20%                       |
| 16                             | Latitude                | 40 D 11 M 27 S           | 114                             | Future AADT                 | 451                       |
| 17                             | Longitude               | 94 D 30 M 29 S           | 115                             | Future AADT Year            | 2040                      |
| UNDERRECORD INFORMATION        |                         |                          | STRUCTURE GEOMETRIC INFORMATION |                             |                           |
| 6                              | Features Intersected    | WALNUT FK                | 10                              | Inventory Rte. Vert. Clear  | 99 Ft. 99 In.             |
| 42B                            | Type of Service Under   | WATERWAY                 | 19                              | By pass Detour Length       | 19.38 miles               |
| 28B                            | Lanes Under Structure   | 00                       | 32                              | Approach Roadway Width      | 20 Ft. 0 In.              |
| 54A                            | Vert. Clearance Ref.    | N/A                      | 34                              | Skew                        | 0.00 Degrees              |
| 54B                            | Vert. Clearance         | 0 Ft. 0 In.              | 35                              | Struct. Flared              | NO                        |
| 55A                            | Rt. Lat Clear Ref.      | N/A                      | 47                              | Total Horiz. Clear          | 20 Ft. 0 In.              |
| 55B                            | Rt. Lat Clearance       | 0 Ft. 0 In.              | 48                              | Maximum Span Length         | 47 Ft. 11 In.             |
| 56                             | Left Lat Clearance      | 0 Ft. 0 In.              | 49                              | Structure Length            | 122 Ft. 1 In.             |
| 38                             | Navigation Control      | PERMIT NOT REQ           | 50A                             | Left Curb/Sidewalk Width    | 0 Ft. 0 In.               |
| 39                             | Nav Vertical Clear      | 0 Ft. 0 In.              | 50B                             | Right Curb/Sidewalk Width   | 0 Ft. 0 In.               |
| 40                             | Nav Horizontal Clear    | 0 Ft. 0 In.              | 51                              | Curb to Curb Br. Width      | 20 Ft. 0 In.              |
| 111                            | Nav. Pier Protection    |                          | 52                              | Deck Width (Out-Out)        | 21 Ft. 4 In.              |
| 116                            | Nav. Cl. Vert. Clear    |                          | 53                              | Vert. Clearance Over Deck   | 99 Ft. 99 In.             |

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| LOAD RATING AND POSTING INFORMATION   |                             |                           | MATERIAL/CONSTRUCTION INFORMATION     |  |                          |
|---------------------------------------|-----------------------------|---------------------------|---------------------------------------|--|--------------------------|
| 31                                    | Design Load                 | H 10                      | 43A                                   | Main Struc. Mat type                     | STEEL                    |
| 41                                    | Structure Status            | POSTED FOR LOAD           | 43B                                   | Main struc Constr. Type                  | STRINGER/MULTIBEAM - GRD |
| 63                                    | Oper. Rating Meth.          | ALLOWABLE STRESS          | 45                                    | # of Main Spans                          | 3                        |
| 64                                    | Operating Rating            | 24 Tons.                  | 44A                                   | Appr Struc. Mat type                     | 000                      |
| 65                                    | Inventory Rating Meth       | ALLOWABLE STRESS          | 44B                                   | Appr Struc. Cnstr. type                  | 000                      |
| 66                                    | Inventory Rating            | 13 Tons.                  | 46                                    | # of Approach Span                       | 0                        |
| 70                                    | Bridge Posting Code         | 20.0-29.9% BELOW          | 107                                   | Deck Mat/Constr.                         | 1 CONCRETE CIP           |
| PROPOSED IMPROVEMENT INFORMATION      |                             |                           | 108A                                  | Wear Surf Mat/Constr.                    | 6 BITUMINOUS             |
| Sufficiency Rating 13.9 Percent       |                             |                           | 108B                                  | Membrane Mat/Constr.                     | 0 NONE                   |
| Deficiency Rating STRUCTURAL          |                             |                           | 108C                                  | Deck Protect Mat/Constr.                 | 0 NONE                   |
| Funding Eligibility FULL              |                             |                           | CONDITION RATING INFORMATION          |  |                          |
| 75A                                   | Proposed Work               | REPLACEMENT SUBSTND LOAD  | 58                                    | Deck Cond. Rating                        | 3                        |
| 75B                                   | Work Done By                | Contract                  | 59                                    | Superstructure Cond. Rating              | 5                        |
| 76                                    | New Struc Length            | 150 Ft. 11 In.            | 60                                    | Substructure Cond. Rating                | 4                        |
| 94                                    | Struc Improve Cost          | \$ 471,000                | 61                                    | Channel /Channel Protection Cond. Rating | 5                        |
| 95                                    | Roadway Improve Cost        | \$ 47,000                 | 62                                    | Culvert Cond. Rating                     | N                        |
| 96                                    | Total Project Cost          | \$ 706,000                | INSPECTION INFORMATION                |  |                          |
| 97                                    | Year of Cost Estimates      | 2021                      | 90                                    | Gen. Insp Date                           | 11 / 19                  |
| APPRAISAL RATING INFORMATION          |                             |                           | 91                                    | Gen. Insp. Frequency                     | 24 Months                |
| 36A                                   | Br. Rail App. Rating        | DOES NOT MEET ACCEPT STND | 92A                                   | Frac. Critical Inspection                | N Months                 |
| 36B                                   | Transition Rail App. Rating | DOES NOT MEET ACCEPT STND | 93A                                   | Frac. Critical Insp. Date                |                          |
| 36C                                   | Approach Rail App. Rating   | DOES NOT MEET ACCEPT STND | 92B                                   | Underwater Inspection                    | N Months                 |
| 36D                                   | Rail End Treat. App. Rating | DOES NOT MEET ACCEPT STND | 93B                                   | Underwater Insp. Date                    |                          |
| 67                                    | Struc Eval App. Rating      | 4                         | 92C                                   | Special Inspection                       | N Months                 |
| 68                                    | Deck Geometry App. Rating   | 4                         | 93C                                   | Special Inspection Date                  |                          |
| 69                                    | Underclearance App. Rating  | N                         | BORDER BRIDGE INFORMATION             |  |                          |
| 71                                    | Waterway Adeq. App. Rating  | 6                         | 98                                    | Neighboring State Code                   |                          |
| 72                                    | Approach Road App. Rating   | 8                         | 98B                                   | Neighboring State % Respon               |                          |
| 113                                   | Scour Assess App. Rating    | 3                         | 99                                    | Neighboring State Struc. No.             |                          |
| APPROVED POSTING INFORMATION          |                             |                           | FIELD POSTING INFORMATION             |  |                          |
| Approved Posting Category S-7         |                             |                           | Field Posting Category S-7            |  |                          |
| Ton1 Ton2 Ton3                        |                             |                           | Ton1 Ton2 Ton3                        |  |                          |
| Tonnage Values for Posting Sign 17    |                             |                           | Tonnage Values for Posting Sign 17    |  |                          |
| General Text for Posting Sign         |                             |                           | General Text for Posting Sign         |  |                          |
| TRUCKS OVER 17 TONS 15 MPH ON BRIDGE. |                             |                           | TRUCKS OVER 17 TONS 15 MPH ON BRIDGE. |  |                          |

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