



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

June 30, 2021
12:31:57pm

COUNTY : ST. LOUIS BRIDGE : J0228 R1 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 6/28/2021 SUBMITTAL YEAR : 2021

| GENERAL STRUCTURE INFORMATION | | | ROUTE DESIGNATION INFORMATION | | |
|--------------------------------|-------------------------|---------------------------|---------------------------------|-----------------------------|---------------------------|
| 1 | State | MISSOURI | 5A | Record Type | ROUTE CARRIED 'ON' STRUCT |
| 2 | District | SL | 5B | Route Signing Prefix | MO |
| 3 | County | ST. LOUIS | 5C | Designated Level of Service | MAINLINE |
| 8 | Federal ID No. | 5309 | 5D | Route Number | 00366 |
| 27 | Year Built | 1931 | 5E | Directional Suffix | NOT APPLICABLE |
| 106 | Year Reconstructed | 1972 | 7 | Facility Carried | MO 366 E |
| 42A | Type of Service On | HIGHWAY | 12 | Base Hwy. Network | YES |
| 21 | Structure Maintenance | STATE HIGHWAY AGENCY | 13A | LRS Inventory Route No. | 0000006143 |
| 22 | Structure Owner | STATE HIGHWAY AGENCY | 13B | Subroute No. | 00 |
| 33 | Br. Median Code | CLOSED MEDIAN(NO BARRIER) | 20 | Toll Status | ON FREE ROAD |
| 37 | Historical Significance | HISTORICAL SIGNIF UNKNWN | 26 | Functional Classification | 14-UR OTHR PRINCIPL ARTRL |
| 101 | Parallel Struc Desg | NONE EXISTS | 28A | Lanes on Structure | 04 |
| 103 | Temporary Structure | NOT TEMPORARY | 100 | STRAHNET Designation | RTE NOT A DEFENSE HWY |
| 112 | NBIS Bridge Length | YES | 104 | National Highway System | ON NHS |
| | | | 105 | Federal Lands Highway | NOT APPLICABLE |
| | | | 110 | Designated Nat. Network | NO |
| STRUCTURE LOCATION INFORMATION | | | STRUCTURE TRAFFIC INFORMATION | | |
| 4 | Place | OAKLAND CITY | 29 | AADT | 22006 |
| | Code | 53750 | 30 | AADT Year | 2020 |
| 9 | Location | S 8 T 44 N R 6 E | 102 | Direction of Traffic | 2-WAY TRAFFIC |
| 11 | Milepoint | 3.40 miles | 109 | AADT Truck Percent | 13% |
| 16 | Latitude | 38 D 33 M 40 S | 114 | Future AADT | 30808 |
| 17 | Longitude | 90 D 22 M 16 S | 115 | Future AADT Year | 2040 |
| UNDERRECORD INFORMATION | | | STRUCTURE GEOMETRIC INFORMATION | | |
| 6 | Features Intersected | GRAVOIS CR | 10 | Inventory Rte. Vert. Clear | 99 Ft. 99 In. |
| 42B | Type of Service Under | WATERWAY | 19 | By pass Detour Length | 0.63 miles |
| 28B | Lanes Under Structure | 00 | 32 | Approach Roadway Width | 47 Ft. 11 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 | 42 Ft. 12 In. |
| 55B | Rt. Lat Clearance | 0 Ft. 0 In. | 48 | Maximum Span Length | 51 Ft. 10 In. |
| 56 | Left Lat Clearance | 0 Ft. 0 In. | 49 | Structure Length | 51 Ft. 10 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 | 85 Ft. 11 In. |
| 111 | Nav. Pier Protection | | 52 | Deck Width (Out-Out) | 87 Ft. 11 In. |
| 116 | Nav. Cl. Vert. Clear | | 53 | Vert. Clearance Over Deck | 99 Ft. 99 In. |

Design_No = J0228 and Inventory_Appraisal_Submittal_Year = 2021



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| LOAD RATING AND POSTING INFORMATION | | | MATERIAL/CONSTRUCTION INFORMATION | | |
|-------------------------------------|-----------------------------|---------------------------|------------------------------------|--|--------------------------|
| 31 | Design Load | H 15 | 43A | Main Struc. Mat type | CONCRETE |
| 41 | Structure Status | POSTED FOR LOAD | 43B | Main struc Constr. Type | STRINGER/MULTIBEAM - GRD |
| 63 | Oper. Rating Meth. | LOAD FACTOR | 45 | # of Main Spans | 1 |
| 64 | Operating Rating | 47 Tons. | 44A | Appr Struc. Mat type | 000 |
| 65 | Inventory Rating Meth | LOAD FACTOR | 44B | Appr Struc. Cnstr. type | 000 |
| 66 | Inventory Rating | 28 Tons. | 46 | # of Approach Span | 0 |
| 70 | Bridge Posting Code | =>LEGAL LOADS | 107 | Deck Mat/Constr. | 1 CONCRETE CIP |
| PROPOSED IMPROVEMENT INFORMATION | | | 108A | Wear Surf Mat/Constr. | 6 BITUMINOUS |
| Sufficiency Rating 63.0 Percent | | | 108B | Membrane Mat/Constr. | 1 BUILT UP |
| Deficiency Rating STRUCTURAL | | | 108C | Deck Protect Mat/Constr. | 0 NONE |
| Funding Eligibility PARTIAL | | | CONDITION RATING INFORMATION | | |
| 75A | Proposed Work | REHAB-GENERAL DETERIORAT | 58 | Deck Cond. Rating | 5 |
| 75B | Work Done By | Contract | 59 | Superstructure Cond. Rating | 4 |
| 76 | New Struc Length | 75 Ft. 6 In. | 60 | Substructure Cond. Rating | 5 |
| 94 | Struc Improve Cost | \$ 373,000 | 61 | Channel /Channel Protection Cond. Rating | 4 |
| 95 | Roadway Improve Cost | \$ 37,000 | 62 | Culvert Cond. Rating | N |
| 96 | Total Project Cost | \$ 559,000 | INSPECTION INFORMATION | | |
| 97 | Year of Cost Estimates | 2021 | 90 | Gen. Insp Date | 7 / 20 |
| 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 | MEETS ACCEPTBLE STND | 92B | Underwater Inspection | N Months |
| 36D | Rail End Treat. App. Rating | MEETS ACCEPTBLE STND | 93B | Underwater Insp. Date | |
| 67 | Struc Eval App. Rating | 4 | 92C | Special Inspection | N Months |
| 68 | Deck Geometry App. Rating | 9 | 93C | Special Inspection Date | |
| 69 | Underclearance App. Rating | N | BORDER BRIDGE INFORMATION | | |
| 71 | Waterway Adeq. App. Rating | 8 | 98 | Neighboring State Code | |
| 72 | Approach Road App. Rating | 8 | 98B | Neighboring State % Respon | |
| 113 | Scour Assess App. Rating | 5 | 99 | Neighboring State Struc. No. | |
| APPROVED POSTING INFORMATION | | | FIELD POSTING INFORMATION | | |
| Approved Posting Category S-C3 | | | Field Posting Category S-C3 | | |
| Ton1 Ton2 Ton3 | | | Ton1 Ton2 Ton3 | | |
| Tonnage Values for Posting Sign 50 | | | Tonnage Values for Posting Sign 50 | | |
| General Text for Posting Sign | | | General Text for Posting Sign | | |
| WEIGHT LIMIT 50 TONS. | | | WEIGHT LIMIT 50 TONS. | | |

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