



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

May 17, 2022
1:35:24pm

COUNTY : ATCHISON BRIDGE : T0103 REVIEW STATUS : APPROVED NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/8/2022 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	ATCHISON	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	8991	5D	Route Number	00046
27	Year Built	1934	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	MO 46 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	01
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	DALE	29	AADT	594
	Code	18028	30	AADT Year	2021
9	Location	S 19 T 64 N R 39 W	102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
11	Milepoint	1.62 miles	109	AADT Truck Percent	20%
16	Latitude	40 D 20 M 9 S	114	Future AADT	772
17	Longitude	95 D 20 M 20 S	115	Future AADT Year	2041
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	LIT TARKIO CR	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	21.70 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	21 Ft. 12 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	46 Ft. 11 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	144 Ft. 0 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)	20 Ft. 12 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	P - 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	23 Tons.	44A	Appr Struc. Mat type		
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type		
66	Inventory Rating	11 Tons.	46	# of Approach Span	0	
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP	
			108A	Wear Surf Mat/Constr.	6 BITUMINOUS	
			108B	Membrane Mat/Constr.	0 NONE	
			108C	Deck Protect Mat/Constr.	7 INTERNALLY SEALED	
PROPOSED IMPROVEMENT INFORMATION			CONDITION RATING INFORMATION			
	Sufficiency Rating	29.6 Percent	58	Deck Cond. Rating	4	
	Deficiency Rating	STRUCTURAL	59	Superstructure Cond. Rating	6	
	Funding Eligibility	FULL	60	Substructure Cond. Rating	4	
75A	Proposed Work	REPLACEMENT SUBSTND LOAD	61	Channel /Channel Protection Cond. Rating	5	
75B	Work Done By	Contract	62	Culvert Cond. Rating	N	
76	New Struc Length	0 Ft. 0 In.				
94	Struc Improve Cost	\$ 616,000	INSPECTION INFORMATION			
95	Roadway Improve Cost	\$ 62,000	90	Gen. Insp Date	9 / 21	
96	Total Project Cost	\$ 924,000	91	Gen. Insp. Frequency	24 Months	
97	Year of Cost Estimates	2022	92A	Frac. Critical Inspection	N Months	
			93A	Frac. Critical Insp. Date		
			92B	Underwater Inspection	N Months	
			93B	Underwater Insp. Date		
			92C	Special Inspection	N Months	
			93C	Special Inspection Date		
APPRAISAL RATING INFORMATION			BORDER BRIDGE INFORMATION			
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	98	Neighboring State Code		
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	98B	Neighboring State % Respon		
36C	Approach Rail App. Rating	MEETS ACCEPTBLE STND	99	Neighboring State Struc. No.		
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND				
67	Struc Eval App. Rating	2	APPROVED POSTING INFORMATION			
68	Deck Geometry App. Rating	3	FIELD POSTING INFORMATION			
69	Underclearance App. Rating	N	Approved Posting Category	S-5	Field Posting Category	S-5
71	Waterway Adeq. App. Rating	6		Ton1 Ton2 Ton3		Ton1 Ton2 Ton3
72	Approach Road App. Rating	8	Tonnage Values for Posting Sign	16	Tonnage Values for Posting Sign	16
113	Scour Assess App. Rating	8	General Text for Posting Sign		General Text for Posting Sign	
			CENTERLINE OF BRIDGE AND TRUCKS OVER 16 TONS 15 MPH ON BRIDGE.		CENTERLINE OF BRIDGE AND TRUCKS OVER 16 TONS 15 MPH ON BRIDGE.	

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