



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

August 23, 2021
2:56:43pm

COUNTY : LIVINGSTON BRIDGE : S0639 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 4/8/2021 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	LIVINGSTON	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	8791	5D	Route Number	0000C
27	Year Built	1933	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	RT C S
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	POSSIBLY ELIG NR OF HP	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	BLUE MOUND	29	AADT	318
	Code	06580	30	AADT Year	2020
9	Location	S 7 T 56 N R 24 W	102	Direction of Traffic	ONE LANE BRIDGE FOR 2-WAY
11	Milepoint	5.12 miles	109	AADT Truck Percent	6%
16	Latitude	39 D 41 M 10 S	114	Future AADT	397
17	Longitude	93 D 38 M 51 S	115	Future AADT Year	2040
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	SHOAL CR DRAIN DTC	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	18.13 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	20 Ft. 0 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	42.00 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	100 Ft. 1 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	178 Ft. 2 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.

Design_No = S0639



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

August 23, 2021
2:56:43pm

COUNTY : LIVINGSTON BRIDGE : S0639 REVIEW STATUS : APPROVED NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 4/8/2021 SUBMITTAL YEAR : 2021

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	TRUSS - THRU
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	1
64	Operating Rating	17 Tons.	44A	Appr Struc. Mat type	STEEL
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	STRINGER/MULTIBEAM - GRD
66	Inventory Rating	10 Tons.	46	# of Approach Span	2
70	Bridge Posting Code	>39.9% BELOW	107	Deck Mat/Constr.	8 WOOD OR TIMBER
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 29.8 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	4
76	New Struc Length	213 Ft. 3 In.	60	Substructure Cond. Rating	4
94	Struc Improve Cost	\$ 664,000	61	Channel /Channel Protection Cond. Rating	5
95	Roadway Improve Cost	\$ 66,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 996,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2021	90	Gen. Insp Date	4 / 21
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	12 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	Y Months 24
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	4 / 21
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	2	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	4	98	Neighboring State Code	
72	Approach Road App. Rating	6	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-17			Field Posting Category S-17		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 13 18 32			Tonnage Values for Posting Sign 13 18 32		
General Text for Posting Sign			General Text for Posting Sign		
CL OF BR AND TRK OVR 13 T 15MPH ON BR EXCPT SNGL E UNT TRKS WT LMT 18 T OTHR TRKS WT LMT 32 T.			CL OF BR AND TRK OVR 13 T 15MPH ON BR EXCPT SNGL E UNT TRKS WT LMT 18 T OTHR TRKS WT LMT 32 T.		

Design_No = S0639