



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

April 6, 2021  
9:17:14am

COUNTY : DADE      BRIDGE : P0844      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	SW	5B	Route Signing Prefix	MO
3	County	DADE	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7929	5D	Route Number	0000D
27	Year Built	1955	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	RT D 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	NOT ELIGIBLE FOR NR OF HP	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	MARION	29	AADT	354
	Code	45992	30	AADT Year	2019
9	Location	S 9 T 31 N R 28 W	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	9.71 miles	109	AADT Truck Percent	10%
16	Latitude	37 D 26 M 35 S	114	Future AADT	460
17	Longitude	94 D 1 M 26 S	115	Future AADT Year	2039
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	HORSE CR	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	30.00 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	43 Ft. 4 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	120 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)	22 Ft. 4 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design\_No = P0844



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

April 6, 2021  
9:17:14am

COUNTY : DADE BRIDGE : P0844 REVIEW STATUS : CONVERTED NBI STATUS : T  
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 3/9/2021 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	STRINGER/MULTIBEAM - GRD			
63	Oper. Rating Meth.	ALLOWABLE STRESS		45	# of Main Spans	3			
64	Operating Rating	20 Tons.		44A	Appr Struc. Mat type	000			
65	Inventory Rating Meth	ALLOWABLE STRESS		44B	Appr Struc. Cnstr. type	000			
66	Inventory Rating	10 Tons.		46	# of Approach Span	0			
70	Bridge Posting Code	>39.9% BELOW		107	Deck Mat/Constr.	1 CONCRETE CIP			
PROPOSED IMPROVEMENT INFORMATION				108A	Wear Surf Mat/Constr.	6 BITUMINOUS			
	Sufficiency Rating	23.8	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	5			
76	New Struc Length	150 Ft. 11 In.		60	Substructure Cond. Rating	5			
94	Struc Improve Cost	\$ 471,000		61	Channel /Channel Protection Cond. Rating	6			
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 / 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	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	8		98	Neighboring State Code				
72	Approach Road App. Rating	8		98B	Neighboring State % Respon				
113	Scour Assess App. Rating	8		99	Neighboring State Struc. No.				
APPROVED POSTING INFORMATION				FIELD POSTING INFORMATION					
Approved Posting Category		S-16		Field Posting Category		S-16			
		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				
TRKS OVR 13 TNS 15MPH ON BR EXCPT SNGLE UNIT TRKS WT LIMIT 18 TNS&ALL OTHR TRKS WT LIMIT 32 TNS.					TRKS OVR 13 TNS 15MPH ON BR EXCPT SNGLE UNIT TRKS WT LIMIT 18 TNS&ALL OTHR TRKS WT LIMIT 32 TNS.				

Design\_No = P0844