



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

March 8, 2021  
2:27:48pm

COUNTY : HOWELL      BRIDGE : F0373 4      REVIEW STATUS : APPROVED      NBI STATUS : T  
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT      RUN DATE : 2/2/2021      SUBMITTAL YEAR : 2020

GENERAL STRUCTURE INFORMATION

1	State	MISSOURI
2	District	SE
3	County	HOWELL
8	Federal ID No.	4472
27	Year Built	1955
106	Year Reconstructed	2007
42A	Type of Service On	HIGHWAY
21	Structure Maintenance	STATE HIGHWAY AGENCY
22	Structure Owner	STATE HIGHWAY AGENCY
33	Br. Median Code	NO MEDIAN
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP
101	Parallel Struc Desg	NONE EXISTS
103	Temporary Structure	NOT TEMPORARY
112	NBIS Bridge Length	YES

ROUTE DESIGNATION INFORMATION

5A	Record Type	ROUTE CARRIED 'ON' STRUCT
5B	Route Signing Prefix	US
5C	Designated Level of Service	MAINLINE
5D	Route Number	00063
5E	Directional Suffix	NOT APPLICABLE
7	Facility Carried	US 63 S
12	Base Hwy. Network	YES
13A	LRS Inventory Route No.	0000000057
13B	Subroute No.	00
20	Toll Status	ON FREE ROAD
26	Functional Classification	02-RU PRINCPL ARTRIAL-OTH
28A	Lanes on Structure	02
100	STRAHNET Designation	OVER/UNDER A DEFENSE HWY
104	National Highway System	ON NHS
105	Federal Lands Highway	NOT APPLICABLE
110	Designated Nat. Network	YES

STRUCTURE LOCATION INFORMATION

4	Place	HOWELL
	Code	33382
9	Location	S 14 T 23 N R 7 W
11	Milepoint	322.17 miles
16	Latitude	36 D 39 M 39 S
17	Longitude	91 D 42 M 50 S

STRUCTURE TRAFFIC INFORMATION

29	AADT	7271
30	AADT Year	2019
102	Direction of Traffic	2-WAY TRAFFIC
109	AADT Truck Percent	22%
114	Future AADT	13814
115	Future AADT Year	2039

UNDERRECORD INFORMATION

6	Features Intersected	BNSF RR
42B	Type of Service Under	RAILROAD
28B	Lanes Under Structure	00
54A	Vert. Clearance Ref.	RAIL ROAD
54B	Vert. Clearance	23 Ft. 2 In.
55A	Rt. Lat Clear Ref.	RAIL ROAD
55B	Rt. Lat Clearance	13 Ft. 1 In.
56	Left Lat Clearance	0 Ft. 0 In.
38	Navigation Control	N/A
39	Nav Vertical Clear	0 Ft. 0 In.
40	Nav Horizontal Clear	0 Ft. 0 In.
111	Nav. Pier Protection	
116	Nav. Cl. Vert. Clear	

STRUCTURE GEOMETRIC INFORMATION

10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
19	By pass Detour Length	19.38 miles
32	Approach Roadway Width	43 Ft. 12 In.
34	Skew	42.00 Degrees
35	Struct. Flared	NO
47	Total Horiz. Clear	27 Ft. 11 In.
48	Maximum Span Length	60 Ft. 8 In.
49	Structure Length	188 Ft. 12 In.
50A	Left Curb/Sidewalk Width	0 Ft. 0 In.
50B	Right Curb/Sidewalk Width	0 Ft. 0 In.
51	Curb to Curb Br. Width	27 Ft. 11 In.
52	Deck Width (Out-Out)	28 Ft. 7 In.
53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design\_No = F0373



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LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 20	43A	Main Struc. Mat type	STEEL
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	5
64	Operating Rating	38 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	23 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 38.0 Percent			108B	Membrane Mat/Constr.	1 BUILT UP
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	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	5
76	New Struc Length	223 Ft. 1 In.	60	Substructure Cond. Rating	6
94	Struc Improve Cost	\$ 936,000	61	Channel /Channel Protection Cond. Rating	N
95	Roadway Improve Cost	\$ 93,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 1,404,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2021	90	Gen. Insp Date	12 / 20
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	12 Months
36A	Br. Rail App. Rating	MEETS ACCEPTBLE STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	MEETS ACCEPTBLE 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	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	5	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	2	93C	Special Inspection Date	
69	Underclearance App. Rating	5	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	N	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	N	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-1			Field Posting Category S-1		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign			Tonnage Values for Posting Sign		
General Text for Posting Sign			General Text for Posting Sign		
NO POSTING REQUIRED			NO POSTING REQUIRED		

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