



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

May 19, 2021
2:13:17pm

COUNTY : ST. CHARLES BRIDGE : A5045 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	SL	5B	Route Signing Prefix	CST
3	County	ST. CHARLES	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	4069	5D	Route Number	00000
27	Year Built	1991	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	BRYAN RD S
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	YES
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	0000024229
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	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	14-UR OTHR PRINCIPL ARTRL
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	06
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	ST. CHARLES 92475	29	AADT	27562
	Code	92475	30	AADT Year	2019
9	Location	S 30 T 47 N R 2 E	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	0.10 miles	109	AADT Truck Percent	5%
16	Latitude	38 D 48 M 11 S	114	Future AADT	49611
17	Longitude	90 D 43 M 59 S	115	Future AADT Year	2039
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 70	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	3.75 miles
28B	Lanes Under Structure	06	32	Approach Roadway Width	54 Ft. 2 In.
54A	Vert. Clearance Ref.	HIGHWAY	34	Skew	0.00 Degrees
54B	Vert. Clearance	16 Ft. 12 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	HIGHWAY	47	Total Horiz. Clear	83 Ft. 4 In.
55B	Rt. Lat Clearance	29 Ft. 10 In.	48	Maximum Span Length	111 Ft. 3 In.
56	Left Lat Clearance	17 Ft. 1 In.	49	Structure Length	265 Ft. 1 In.
38	Navigation Control	N/A	50A	Left Curb/Sidewalk Width	0 Ft. 8 In.
39	Nav Vertical Clear	0 Ft. 0 In.	50B	Right Curb/Sidewalk Width	0 Ft. 8 In.
40	Nav Horizontal Clear	0 Ft. 0 In.	51	Curb to Curb Br. Width	82 Ft. 0 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	84 Ft. 8 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	HS 20+MOD	43A	Main Struc. Mat type	STEEL CONTINUOUS
41	Structure Status	OPEN NO RESTRICTIONS	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	LOAD FACTOR	45	# of Main Spans	2
64	Operating Rating	63 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	LOAD FACTOR	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	38 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	=>LEGAL LOADS	107	Deck Mat/Constr.	1 CONCRETE CIP
			108A	Wear Surf Mat/Constr.	1 MONO CONCRETE
			108B	Membrane Mat/Constr.	0 NONE
			108C	Deck Protect Mat/Constr.	1 EPOXY
PROPOSED IMPROVEMENT INFORMATION			CONDITION RATING INFORMATION		
Sufficiency Rating 91.2 Percent			58	Deck Cond. Rating	7
Deficiency Rating NOT DEFICIENT			59	Superstructure Cond. Rating	7
Funding Eligibility			60	Substructure Cond. Rating	6
75A	Proposed Work		61	Channel /Channel Protection Cond. Rating	N
75B	Work Done By		62	Culvert Cond. Rating	N
76	New Struc Length	0 Ft. 0 In.			
94	Struc Improve Cost	\$ 0,000	INSPECTION INFORMATION		
95	Roadway Improve Cost	\$ 0,000	90	Gen. Insp Date	9 / 19
96	Total Project Cost	\$ 0,000	91	Gen. Insp. Frequency	24 Months
97	Year of Cost Estimates	0	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	MEETS ACCEPTBLE STND	98	Neighboring State Code	
36B	Transition Rail App. Rating	MEETS ACCEPTBLE 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	6	APPROVED POSTING INFORMATION		
68	Deck Geometry App. Rating	5	FIELD POSTING INFORMATION		
69	Underclearance App. Rating	9	Approved Posting Category S-1		
71	Waterway Adeq. App. Rating	N	Field Posting Category S-1		
72	Approach Road App. Rating	8	Ton1 Ton2 Ton3		
113	Scour Assess App. Rating	N	Ton1 Ton2 Ton3		
			Tonnage Values for Posting Sign		
			General Text for Posting Sign		
			NO POSTING REQUIRED		

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RECORD TYPE : 2ND RTE THAT GOES 'UNDR'S RUN DATE : 3/9/2021 SUBMITTAL YEAR : 2021

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	2ND RTE THAT GOES 'UNDR'S Code : B
2	District	SL	5B	Route Signing Prefix	IS
3	County	ST. CHARLES	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	4069	5D	Route Number	00070
27	Year Built	1991	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	0	7	Facility Carried	BRYAN RD S
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	
21	Structure Maintenance		13A	LRS Inventory Route No.	
22	Structure Owner		13B	Subroute No.	
33	Br. Median Code		20	Toll Status	ON FREE ROAD
37	Historical Significance		26	Functional Classification	11-UR PRNCPL ARTERIAL-IS
101	Parallel Struc Desg	NONE EXISTS	28A	Lanes on Structure	06
103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON A DEFENSE HWY
112	NBIS Bridge Length		104	National Highway System	ON NHS
			105	Federal Lands Highway	
			110	Designated Nat. Network	YES
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	ST. CHARLES 92475	29	AADT	47471
	Code	92475	30	AADT Year	2019
9	Location	S 30 T 47 N R 2 E	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	217.24 miles	109	AADT Truck Percent	12%
16	Latitude	38 D 48 M 11 S	114	Future AADT	
17	Longitude	90 D 43 M 59 S	115	Future AADT Year	
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	IS 70	10	Inventory Rte. Vert. Clear	17 Ft. 2 In.
42B	Type of Service Under	HIGHWAY	19	By pass Detour Length	3.75 miles
28B	Lanes Under Structure	03	32	Approach Roadway Width	
54A	Vert. Clearance Ref.		34	Skew	
54B	Vert. Clearance		35	Struct. Flared	
55A	Rt. Lat Clear Ref.		47	Total Horiz. Clear	83 Ft. 4 In.
55B	Rt. Lat Clearance		48	Maximum Span Length	111 Ft. 3 In.
56	Left Lat Clearance		49	Structure Length	265 Ft. 1 In.
38	Navigation Control		50A	Left Curb/Sidewalk Width	
39	Nav Vertical Clear		50B	Right Curb/Sidewalk Width	
40	Nav Horizontal Clear		51	Curb to Curb Br. Width	
111	Nav. Pier Protection		52	Deck Width (Out-Out)	
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	

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31	Design Load	43A	Main Struc. Mat type STEEL CONTINUOUS
41	Structure Status	43B	Main struc Constr. Type STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	45	# of Main Spans
64	Operating Rating	44A	Appr Struc. Mat type
65	Inventory Rating Meth	44B	Appr Struc. Cnstr. type
66	Inventory Rating	46	# of Approach Span
70	Bridge Posting Code	107	Deck Mat/Constr.
PROPOSED IMPROVEMENT INFORMATION		108A	Wear Surf Mat/Constr.
Sufficiency Rating		108B	Membrane Mat/Constr.
Deficiency Rating		108C	Deck Protect Mat/Constr.
Funding Eligibility		CONDITION RATING INFORMATION	
75A	Proposed Work	58	Deck Cond. Rating
75B	Work Done By	59	Superstructure Cond. Rating
76	New Struc Length	60	Substructure Cond. Rating
94	Struc Improve Cost	61	Channel /Channel Protection Cond. Rating
95	Roadway Improve Cost	62	Culvert Cond. Rating
96	Total Project Cost	INSPECTION INFORMATION	
97	Year of Cost Estimates	90	Gen. Insp Date
APPRAISAL RATING INFORMATION		91	Gen. Insp. Frequency
36A	Br. Rail App. Rating	92A	Frac. Critical Inspection
36B	Transition Rail App. Rating	93A	Frac. Critical Insp. Date
36C	Approach Rail App. Rating	92B	Underwater Inspection
36D	Rail End Treat. App. Rating	93B	Underwater Insp. Date
67	Struc Eval App. Rating	92C	Special Inspection
68	Deck Geometry App. Rating	93C	Special Inspection Date
69	Underclearance App. Rating	BORDER BRIDGE INFORMATION	
71	Waterway Adeq. App. Rating	98	Neighboring State Code
72	Approach Road App. Rating	98B	Neighboring State % Respon
113	Scour Assess App. Rating	99	Neighboring State Struc. No.
APPROVED POSTING INFORMATION		FIELD POSTING INFORMATION	
Approved Posting Category		Field Posting Category	
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	

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GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	1 RTE THAT GOES 'UNDER' S Code : A
2	District	SL	5B	Route Signing Prefix	IS
3	County	ST. CHARLES	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	4069	5D	Route Number	00070
27	Year Built	1991	5E	Directional Suffix	NOT APPLICABLE
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103	Temporary Structure	NOT TEMPORARY	100	STRAHNET Designation	ON A DEFENSE HWY
112	NBIS Bridge Length		104	National Highway System	ON NHS
			105	Federal Lands Highway	
			110	Designated Nat. Network	YES
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	ST. CHARLES 92475	29	AADT	50399
	Code	92475	30	AADT Year	2019
9	Location	S 30 T 47 N R 2 E	102	Direction of Traffic	1-WAY TRAFFIC
11	Milepoint	34.24 miles	109	AADT Truck Percent	12%
16	Latitude	38 D 48 M 11 S	114	Future AADT	
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General Text for Posting Sign		General Text for Posting Sign	

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