



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

August 1, 2013
10:57:12am

COUNTY : JACKSON	BRIDGE NO. A5249	REVIEW STATUS : APPROVED	NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT		RUN DATE : 2/4/2013	SUBMITTAL YEAR : 2012

GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1 State MISSOURI	5A Record Type ROUTE CARRIED 'ON' STRUCT
2 District KC	5B Route Signing Prefix CST
3 County JACKSON	5C Designated Level of Service MAINLINE
8 Federal ID No. 4167	5D Route Number 00000
27 Year Built 1994	5E Directional Suffix NOT APPLICABLE
106 Year Reconstructed 0	7 Facility Carried GRANDVIEW RD 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 16-URBAN MINOR ARTERIAL
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 KANSAS CITY CITY	29 AADT 2169
Code 38000	30 AADT Year 2012
9 Location S 34 T 48 N R 33 W	102 Direction of Traffic 2-WAY TRAFFIC
11 Milepoint 2.44 miles	109 AADT Truck Percent 10%
16 Latitude 38 D 56 M 19 S	114 Future AADT 2928
17 Longitude 94 D 32 M 42 S	115 Future AADT Year 2033

UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6 Features Intersected IS 435	10 Inventory Rte. Vert. Clear 99 Ft. 99 In.
42B Type of Service Under HIGHWAY	19 By pass Detour Length 8.06 miles
28B Lanes Under Structure	32 Approach Roadway Width 40 Ft. 0 In.
54A Vert. Clearance Ref. HIGHWAY	34 Skew 30.00 Degrees
54B Vert. Clearance 17 Ft. 3 In.	35 Struct. Flared NO
55A Rt. Lat Clear Ref. HIGHWAY	47 Total Horiz. Clear 40 Ft. 0 In.
55B Rt. Lat Clearance 29 Ft. 10 In.	48 Maximum Span Length 152 Ft. 10 In.
56 Left Lat Clearance 6 Ft. 6 In.	49 Structure Length 351 Ft. 0 In.
38 Navigation Control N/A	50A Left Curb/Sidewalk Width 0 Ft. 7 In.
39 Nav Vertical Clear 0 Ft. 0 In.	50B Right Curb/Sidewalk Width 0 Ft. 7 In.
40 Nav Horizontal Clear 0 Ft. 0 In.	51 Curb to Curb Br. Width 38 Ft. 8 In.
111 Nav. Pier Protection	52 Deck Width (Out-Out) 41 Ft. 3 In.
116 Nav. Cl. Vert. Clear	53 Vert. Clearance Over Deck 99 Ft. 99 In.

Design_No = A5249 and Nbi_Status_with_Bridge = Permanent and Record_Type = ON and Inventory_Appraisal_Submittal_Year = 2012



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

August 1, 2013
10:57:12am

COUNTY : JACKSON	BRIDGE NO. A5249	REVIEW STATUS : APPROVED	NBI STATUS : P
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT		RUN DATE : 2/4/2013	SUBMITTAL YEAR : 2012

LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION																																																						
<table border="0" style="width:100%"> <tr><td>31</td><td>Design Load</td><td>HS 20+MOD</td></tr> <tr><td>41</td><td>Structure Status</td><td>A - OPEN NO RESTRICTIONS</td></tr> <tr><td>63</td><td>Oper. Rating Meth.</td><td>ALLOWABLE STRESS</td></tr> <tr><td>64</td><td>Operating Rating</td><td>56 Tons.</td></tr> <tr><td>65</td><td>Inventory Rating Meth</td><td>ALLOWABLE STRESS</td></tr> <tr><td>66</td><td>Inventory Rating</td><td>22 Tons.</td></tr> <tr><td>70</td><td>Bridge Posting Code</td><td>=>LEGAL LOADS</td></tr> </table>	31	Design Load	HS 20+MOD	41	Structure Status	A - OPEN NO RESTRICTIONS	63	Oper. Rating Meth.	ALLOWABLE STRESS	64	Operating Rating	56 Tons.	65	Inventory Rating Meth	ALLOWABLE STRESS	66	Inventory Rating	22 Tons.	70	Bridge Posting Code	=>LEGAL LOADS	<table border="0" style="width:100%"> <tr><td>43A</td><td>Main Struc. Mat type</td><td>STEEL CONTINUOUS</td></tr> <tr><td>43B</td><td>Main struc Constr. Type</td><td>STRINGER/MULTIBEAM - GRD</td></tr> <tr><td>45</td><td># of Main Spans</td><td>2</td></tr> <tr><td>44A</td><td>Appr Struc. Mat type</td><td></td></tr> <tr><td>44B</td><td>Appr Struc. Cnstr. type</td><td></td></tr> <tr><td>46</td><td># of Approach Span</td><td>0</td></tr> <tr><td>107</td><td>Deck Mat/Constr.</td><td>1 CONCRETE CIP</td></tr> <tr><td>108A</td><td>Wear Surf Mat/Constr.</td><td>1 MONO CONCRETE</td></tr> <tr><td>108B</td><td>Membrane Mat/Constr.</td><td>0 NONE</td></tr> <tr><td>108C</td><td>Deck Protect Mat/Constr.</td><td>1 EPOXY</td></tr> </table>	43A	Main Struc. Mat type	STEEL CONTINUOUS	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD	45	# of Main Spans	2	44A	Appr Struc. Mat type		44B	Appr Struc. Cnstr. type		46	# of Approach Span	0	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			
31	Design Load	HS 20+MOD																																																					
41	Structure Status	A - OPEN NO RESTRICTIONS																																																					
63	Oper. Rating Meth.	ALLOWABLE STRESS																																																					
64	Operating Rating	56 Tons.																																																					
65	Inventory Rating Meth	ALLOWABLE STRESS																																																					
66	Inventory Rating	22 Tons.																																																					
70	Bridge Posting Code	=>LEGAL LOADS																																																					
43A	Main Struc. Mat type	STEEL CONTINUOUS																																																					
43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD																																																					
45	# of Main Spans	2																																																					
44A	Appr Struc. Mat type																																																						
44B	Appr Struc. Cnstr. type																																																						
46	# of Approach Span	0																																																					
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																																																						
<table border="0" style="width:100%"> <tr><td>Sufficiency Rating</td><td>81.8</td><td>Percent</td></tr> <tr><td>Deficiency Rating</td><td colspan="2">NOT DEFICIENT</td></tr> <tr><td>Funding Eligibility</td><td colspan="2"></td></tr> <tr><td>75A</td><td>Proposed Work</td><td></td></tr> <tr><td>75B</td><td>Work Done By</td><td></td></tr> <tr><td>76</td><td>New Struc Length</td><td>0 Ft. 0 In.</td></tr> <tr><td>94</td><td>Struc Improve Cost</td><td>\$ 0,000</td></tr> <tr><td>95</td><td>Roadway Improve Cost</td><td>\$ 0,000</td></tr> <tr><td>96</td><td>Total Project Cost</td><td>\$ 0,000</td></tr> <tr><td>97</td><td>Year of Cost Estimates</td><td>0</td></tr> </table>	Sufficiency Rating	81.8	Percent	Deficiency Rating	NOT DEFICIENT		Funding Eligibility			75A	Proposed Work		75B	Work Done By		76	New Struc Length	0 Ft. 0 In.	94	Struc Improve Cost	\$ 0,000	95	Roadway Improve Cost	\$ 0,000	96	Total Project Cost	\$ 0,000	97	Year of Cost Estimates	0	<table border="0" style="width:100%"> <tr><td>58</td><td>Deck Cond. Rating</td><td>7</td></tr> <tr><td>59</td><td>Superstructure Cond. Rating</td><td>8</td></tr> <tr><td>60</td><td>Substructure Cond. Rating</td><td>7</td></tr> <tr><td>61</td><td>Channel /Channel Protection Cond. Rating</td><td>N</td></tr> <tr><td>62</td><td>Culvert Cond. Rating</td><td>N</td></tr> </table>	58	Deck Cond. Rating	7	59	Superstructure Cond. Rating	8	60	Substructure Cond. Rating	7	61	Channel /Channel Protection Cond. Rating	N	62	Culvert Cond. Rating	N									
Sufficiency Rating	81.8	Percent																																																					
Deficiency Rating	NOT DEFICIENT																																																						
Funding Eligibility																																																							
75A	Proposed Work																																																						
75B	Work Done By																																																						
76	New Struc Length	0 Ft. 0 In.																																																					
94	Struc Improve Cost	\$ 0,000																																																					
95	Roadway Improve Cost	\$ 0,000																																																					
96	Total Project Cost	\$ 0,000																																																					
97	Year of Cost Estimates	0																																																					
58	Deck Cond. Rating	7																																																					
59	Superstructure Cond. Rating	8																																																					
60	Substructure Cond. Rating	7																																																					
61	Channel /Channel Protection Cond. Rating	N																																																					
62	Culvert Cond. Rating	N																																																					
APPRAISAL RATING INFORMATION	INSPECTION INFORMATION																																																						
<table border="0" style="width:100%"> <tr><td>36A</td><td>Br. Rail App. Rating</td><td>MEETS ACCEPTBLE STND</td></tr> <tr><td>36B</td><td>Transition Rail App. Rating</td><td>MEETS ACCEPTBLE STND</td></tr> <tr><td>36C</td><td>Approach Rail App. Rating</td><td>MEETS ACCEPTBLE STND</td></tr> <tr><td>36D</td><td>Rail End Treat. App. Rating</td><td>DOES NOT MEET ACCEPT STND</td></tr> <tr><td>67</td><td>Struc Eval App. Rating</td><td>5</td></tr> <tr><td>68</td><td>Deck Geometry App. Rating</td><td>5</td></tr> <tr><td>69</td><td>Underclearance App. Rating</td><td>9</td></tr> <tr><td>71</td><td>Waterway Adeq. App. Rating</td><td>N</td></tr> <tr><td>72</td><td>Approach Road App. Rating</td><td>6</td></tr> <tr><td>113</td><td>Scour Assess App. Rating</td><td>N</td></tr> </table>	36A	Br. Rail App. Rating	MEETS ACCEPTBLE STND	36B	Transition Rail App. Rating	MEETS ACCEPTBLE STND	36C	Approach Rail App. Rating	MEETS ACCEPTBLE STND	36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	67	Struc Eval App. Rating	5	68	Deck Geometry App. Rating	5	69	Underclearance App. Rating	9	71	Waterway Adeq. App. Rating	N	72	Approach Road App. Rating	6	113	Scour Assess App. Rating	N	<table border="0" style="width:100%"> <tr><td>90</td><td>Gen. Insp Date</td><td>10 / 11</td></tr> <tr><td>91</td><td>Gen. Insp. Frequency</td><td>24 Months</td></tr> <tr><td>92A</td><td>Frac. Critical Insp. Dat</td><td>N Months</td></tr> <tr><td>93A</td><td>Frac. Critical Insp. Date</td><td></td></tr> <tr><td>92B</td><td>Underwater Inspection</td><td>N Months</td></tr> <tr><td>93B</td><td>Underwater Insp. Date</td><td></td></tr> <tr><td>92C</td><td>Special Inspection</td><td>N Months</td></tr> <tr><td>93C</td><td>Special Inspection Date</td><td></td></tr> </table>	90	Gen. Insp Date	10 / 11	91	Gen. Insp. Frequency	24 Months	92A	Frac. Critical Insp. Dat	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	
36A	Br. Rail App. Rating	MEETS ACCEPTBLE STND																																																					
36B	Transition Rail App. Rating	MEETS ACCEPTBLE STND																																																					
36C	Approach Rail App. Rating	MEETS ACCEPTBLE STND																																																					
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND																																																					
67	Struc Eval App. Rating	5																																																					
68	Deck Geometry App. Rating	5																																																					
69	Underclearance App. Rating	9																																																					
71	Waterway Adeq. App. Rating	N																																																					
72	Approach Road App. Rating	6																																																					
113	Scour Assess App. Rating	N																																																					
90	Gen. Insp Date	10 / 11																																																					
91	Gen. Insp. Frequency	24 Months																																																					
92A	Frac. Critical Insp. Dat	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																																																						
APPROVED POSTING INFORMATION	BORDER BRIDGE INFORMATION																																																						
<table border="0" style="width:100%"> <tr><td>Approved Posting Categor</td><td>S-1</td></tr> <tr><td>Tonnage Values for Posting Sign</td><td>Ton1 Ton2 Ton3</td></tr> <tr><td>General Text for Posting Sign</td><td></td></tr> <tr><td>NO POSTING REQUIRED</td><td></td></tr> </table>	Approved Posting Categor	S-1	Tonnage Values for Posting Sign	Ton1 Ton2 Ton3	General Text for Posting Sign		NO POSTING REQUIRED		<table border="0" style="width:100%"> <tr><td>98</td><td>Neighboring State Code</td></tr> <tr><td>98B</td><td>Neighboring State % Respon</td></tr> <tr><td>99</td><td>Neighboring State Struc. No.</td></tr> </table>	98	Neighboring State Code	98B	Neighboring State % Respon	99	Neighboring State Struc. No.																																								
Approved Posting Categor	S-1																																																						
Tonnage Values for Posting Sign	Ton1 Ton2 Ton3																																																						
General Text for Posting Sign																																																							
NO POSTING REQUIRED																																																							
98	Neighboring State Code																																																						
98B	Neighboring State % Respon																																																						
99	Neighboring State Struc. No.																																																						
FIELD POSTING INFORMATION	FIELD POSTING INFORMATION																																																						
<table border="0" style="width:100%"> <tr><td>Field Posting Category</td><td>S-1</td></tr> <tr><td>Tonnage Values for Posting Sign</td><td>Ton1 Ton2 Ton3</td></tr> <tr><td>General Text for Posting Sign</td><td></td></tr> <tr><td>NO POSTING REQUIRED</td><td></td></tr> </table>	Field Posting Category	S-1	Tonnage Values for Posting Sign	Ton1 Ton2 Ton3	General Text for Posting Sign		NO POSTING REQUIRED		<table border="0" style="width:100%"> <tr><td>Field Posting Category</td><td>S-1</td></tr> <tr><td>Tonnage Values for Posting Sign</td><td>Ton1 Ton2 Ton3</td></tr> <tr><td>General Text for Posting Sign</td><td></td></tr> <tr><td>NO POSTING REQUIRED</td><td></td></tr> </table>	Field Posting Category	S-1	Tonnage Values for Posting Sign	Ton1 Ton2 Ton3	General Text for Posting Sign		NO POSTING REQUIRED																																							
Field Posting Category	S-1																																																						
Tonnage Values for Posting Sign	Ton1 Ton2 Ton3																																																						
General Text for Posting Sign																																																							
NO POSTING REQUIRED																																																							
Field Posting Category	S-1																																																						
Tonnage Values for Posting Sign	Ton1 Ton2 Ton3																																																						
General Text for Posting Sign																																																							
NO POSTING REQUIRED																																																							

Design_No = A5249 and Nbi_Status_with_Bridge = Permanent and Record_Type = ON and Inventory_Appraisal_Submittal_Year = 2012