



Safe & Sound = N

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : KC COUNTY : JACKSON A2851

KC

GENERAL STRUCTURE INFORMATION

Table with 3 columns: Structure Number (A2851, 2457), Structure Status (P-POSTLOAD), Maintenance District (KC), Maintenance County (JACKSON), Place Code (38000), Kansas City City (KANSAS CITY CITY), District (KC), Direction of Traffic (1-WAY TRAF), Owned By (MODOT), Maintained By (MODOT), Inspectors (TERRY STOWELL (STATE)), County (JACKSON), Structure Class (STATBR), Functional Classification (MINOR ARTERIAL), Inspection Date (9/25/2012), Facility Carried (CST STADIUM DR W), Deficient Code (DEFICIENT), Lanes on Structure (3), Inspection Frequency (12), Curb to Curb (36 Ft. 0 In.), Sub Area (7C32), Lanes under Structure (8), Latitude (39 3 20.95863 (DMS)), Structure Length (298 FEET), Year Built (1972), Beginning Compass Direction (WEST), Longitude (94 29 37.74133 (DMS)), Feature Intersected (IS 435), Reconstruction Year (0), Ending Compass Direction (EAST), Scour Evaluation Type.

POSTING INFORMATION

ADVANCE SIGNING

Table with 2 columns: Posting Information (Approved Posting Category: S-C3, Limits: Ton1: 65, Weight Limit 65 TONS, Field Posting Category: S-C3, Limits: Ton1: 65, Weight Limit 65 TONS, Posting Problem, Comments, Direction) and Advance Signing (Sign Type, Problem, Direction).

FACILITY CARRIED INFORMATION

Table with 4 columns: (Item 29) Average Daily Traffic (4232), (Item 30) Year of Average Daily Traffic (2013), Permitted Vertical Clearance (21'10" IS 435 S, 23'10" IS 435 N), (Item 53) Vertical Clearance Over Deck, Date.

OTHER INSPECTION INFORMATION

Table with 4 columns: NBI, Frequency, Date, Category, Methods, Inspectors, Comments for four different inspection events.

PROGRAM NOTES

Table with 4 columns: Program Year, Project No., Letting Month, Letting Year, Comments, Program Items.

Table with 4 columns: General Comments (Comment 1: (54'-81'-90'-69')CONT PL GDR SPANS), Ratings (Item 58) Deck Rating (3-SERIOUS CONDITION, 10/25/2011, Item 59) Superstructure Rating (6-SATISFACTORY CONDITION, 10/25/2011, Item 60) Substructure Rating (6-SATISFACTORY CONDITION, 10/25/2011), Comments (80% PATCHED & SPALLED SPAN 1 & 2, HEAVY RUST AT BOTH ABUTMENTS, MED CRACKS IN ABUTMENT).

SUMMARY COMPONENTS

Table with 4 columns: Main Series (1 CONTINUOUS SPAN), Steel, Plate Girders, Number of Spans (4), Total Number of Spans (4), Railing Ratings (Item 36A) Bridge Railing (0 DOESNT MEET CURRNT STND, COMMENT S, Component: BRIDGE RAILING, REINFORCED CONCRETE, PARAPET, DIRECTION: BOTH), (Item 36B) Transition Railing (0 DOESNT MEET CURRNT STND, COMMENT S, Component: BRIDGE RAILING, ALUMINUM, CIRCULAR TUBE, DIRECTION: BOTH), (Item 36C) Approach Railing (0 DOESNT MEET CURRNT STND, COMMENT S, Component: TRANSITION RAILING, GALVANIZED STEEL, W-BEAM, DIRECTION: BOTH-EAST), (Item 36D) Rail End Treatment (0 DOESNT MEET CURRNT STND, COMMENT S, Component: TRANSITION RAILING, GALVANIZED STEEL, OTHER, DIRECTION: BOTH-EAST), (Item 36C) Approach Railing (Component: APPROACH RAILING, GALVANIZED STEEL, W-BEAM, DIRECTION: BOTH-EAST).

Design\_No = A2851



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APPROACH PAVEMENT :

COMPONENT : APPROACH PAVEMENT ASPHALT/CONCRETE BITUMINOUS MAT/SLAB

DECK / RAILING ELEMENTS

(ITEM 58) OVERALL CONDITION RATING : 3-SERIOUS CONDITION

COMMENT S : 80% PATCHED & SPALLED SPAN 1 & 2.

DECK COMPONENTS

MAIN SPANS	1		
COMPONENT : DECK		REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : PATCHES		THROUGHOUT	EXCESSIVE
CONDITION : SATURATION		THROUGHOUT	HEAVY
CONDITION : SPALLS		THROUGHOUT	FEW
MAIN SPANS	2		
COMPONENT : DECK		REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : PATCHES		THROUGHOUT	EXCESSIVE
CONDITION : SATURATION		THROUGHOUT	HEAVY
CONDITION : SPALLS		THROUGHOUT	FEW
MAIN SPANS	3		
COMPONENT : DECK		REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : PATCHES		THROUGHOUT	MANY
CONDITION : SATURATION		THROUGHOUT	HEAVY
CONDITION : SPALLS		THROUGHOUT	FEW
MAIN SPANS	4		
COMPONENT : DECK		REINFORCED CONCRETE	CAST-IN-PLACE
CONDITION : PATCHES		THROUGHOUT	MANY
CONDITION : SATURATION		THROUGHOUT	MINOR
CONDITION : SPALLS		THROUGHOUT	FEW
CONDITION : SPALLS		BOTTOM	HEAVY

COMMENTS : @ BENT

EXPANSION DEVICES

ABUTMENT	1			
COMPONENT : CLOSED EXPANSION JOINT		STEEL	FLAT PLATE	OVERALL CONDITION : POOR
ABUTMENT	5			
COMPONENT : CLOSED EXPANSION JOINT		GALVANIZED STEEL	FLAT PLATE	OVERALL CONDITION : POOR

PROTECTIVE COMPONENTS

MAIN SERIES	1				
COMPONENT : WEARING SURFACE		ASPHALT	BITUMINOUS SEAL COAT	OVERALL CONDITION : GOOD	
COMPONENT : DECK PROTECTION		NOTAPPLICABLE	NONE		
COMPONENT : MEMBRANE		NOTAPPLICABLE	NONE		
COMPONENT : SECONDARY DECK PROTECTION		LIQUID SEALANT	INTERNALLY SEALED		MANUFACTURE : STAR MACRO YEAR APPLIED : 2011

RAILING COMPONENTS

BRIDGE RAILING	0		
COMPONENT : BRIDGE RAILING		REINFORCED CONCRETE	PARAPET
COMPONENT : BRIDGE RAILING		ALUMINUM	CIRCULAR TUBE
COMPONENT : TRANSITION RAILING		GALVANIZED STEEL	W-BEAM
COMPONENT : APPROACH RAILING		GALVANIZED STEEL	W-BEAM
COMPONENT : TRANSITION RAILING		GALVANIZED STEEL	OTHER

SUPERSTRUCTURE ELEMENTS

(ITEM 59) OVERALL CONDITION RATING : 6-SATISFACTORY CONDITION

COMMENT S : HEAVY RUST AT BOTH ABUTMENTS

MAIN SERIES	1	CONTINUOUS SPAN	STEEL	PLATE GIRDERS	NUMBER OF SPANS : 4
APPROACH ROADWAY WIDTH :	36 FOOT 0 INCH	CURB TO CURB :	36 FOOT 0 INCH	OUT TO OUT :	44 FOOT 1.2 INCH
				LEFT CURB WIDTH :	0 FOOT 0 INCH
				RIGHT CURB WIDTH :	0 FOOT 0 INCH
MAIN SPANS 1	CONTINUOUS SPAN	COMPOSITE	STEEL	PLATE GIRDERS	LENGTH : 56 FOOT 0 INCH
CONDITION : RUSTING		HEAVY	THROUGHOUT		LENGTH : 90 FOOT 0 INCH WEATHERING IND :
MAIN SPANS 2	CONTINUOUS SPAN	COMPOSITE	STEEL	PLATE GIRDERS	LENGTH : 80 FOOT 11 INCH
CONDITION : RUSTING		HEAVY	THROUGHOUT		WEATHERING IND :
MAIN SPANS 3	CONTINUOUS SPAN	COMPOSITE	STEEL	PLATE GIRDERS	LENGTH : 90 FOOT 2 INCH
					WEATHERING IND :

Design\_No = A2851



Safe & Sound = N

Missouri Department of Transportation  
Bridge Inspection Report

DISTRICT : KC COUNTY : JACKSON A2851

CONDITION : RUSTING	HEAVY	THROUGHOUT				
MAIN SPANS 4	COMPOSITE	STEEL	PLATE GIRDERS	LENGTH : 70 FOOT 6 INCH	WEATHERING IND :	
CONDITION : RUSTING	HEAVY	THROUGHOUT				
TOTAL NUMBER OF SPANS 4						

SUBSTRUCTURE ELEMENTS

(ITEM 60) OVERALL CONDITION RATING : 6-SATISFACTORY CONDITION

COMMENT S : MED CRACKS IN ABUTMENT.

ABUTMENT	1	LABEL :		REINFORCED CONCRETE	NON-INTEGRAL
COMMENTS :	FLAT ROCKER BEARINGS TIPPED OUTWARD TO MAX				
LEFTADVAN LENGTH :	46 FOOT 0 INCH	LEFTADVAN SKEW :	12 DEGREES 0		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION :	HORIZONTAL CRACKS	THROUGHOUT	FINE		
CONDITION :	SPALLS	THROUGHOUT	FEW		
PILING			STEEL	H-SHAPE	
TURNED BACK WINGS			REINFORCED CONCRETE	CAST-IN-PLACE	
CURTAIN WALL			REINFORCED CONCRETE	CAST-IN-PLACE	
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE	
CLOSED EXPANSION JOINT			STEEL	FLAT PLATE	
<b>BENT</b>	2	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
LEFTADVAN SKEW :	12 DEGREES 0	LEFTADVAN LENGTH :	40 FOOT 4 INCH		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>BENT</b>	3	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
LEFTADVAN SKEW :	12 DEGREES 0	LEFTADVAN LENGTH :	40 FOOT 4 INCH		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>BENT</b>	4	LABEL :		REINFORCED CONCRETE	MULTIPLE COLUMN
LEFTADVAN SKEW :	12 DEGREES 0	LEFTADVAN LENGTH :	40 FOOT 4 INCH		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION :	SPALLS	BOTTOM	FEW		
CONDITION :	VERTICAL CRACKS	THROUGHOUT	LARGE		
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>ABUTMENT</b>	5	LABEL :		REINFORCED CONCRETE	NON-INTEGRAL
COMMENTS :	FLAT ROCKER BEARINGS TIPPED OUTWARD TO MAX				
LEFTADVAN SKEW :	12 DEGREES 0				
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
PILING			STEEL	H-SHAPE	
TURNED BACK WINGS			REINFORCED CONCRETE	CAST-IN-PLACE	
CURTAIN WALL			REINFORCED CONCRETE	CAST-IN-PLACE	
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION :	HORIZONTAL CRACKS	THROUGHOUT	MEDIUM		
CONDITION :	EFFLORESCENCE	THROUGHOUT	MEDIUM		
CONDITION :	SPALLS	THROUGHOUT	MANY		
CLOSED EXPANSION JOINT			GALVANIZED STEEL	FLAT PLATE	OVERALL CONDITION: POOR

MISCELLANEOUS ITEMS

0 DOESNT MEET CURRNT STND  
 COMMENTS : 80% PATCHED & SPALLED SPAN 1 & 2.  
 COMMENTS : HEAVY RUST AT BOTH ABUTMENTS  
 COMMENTS : MED CRACKS IN ABUTMENT.

**CHANNEL PROTECTION** (ITEM 61) CHANNEL CONDITION RATING : N-NOT APPLIC NO WATRWAY  
**SCOUR CONDITION** (ITEM 113) OVERALL SCOUR CONDITION RATING : N-NOT APPLIC NOT WATERW



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**WATERWAY ADEQUACY** (ITEM 71) WATERWAY ADEQUACY RATING : NOT APPLICABLE

**APPROACH ROADWAY** (ITEM 72) APPROACH ROADWAY ALIGNMENT RATING : 8-VERYGOOD

**SLOPE PROTECTION**

PLAIN CONCRETE PAVEDSLOPE BOTH

**UTILITY ATTACHMENTS**

**STRUCTURE PAINT DETAILS**

OVERALL PAINT CONDITION POOR RUST AMOUNT : 5=3.0% OF SURFACE RUSTED STEEL TONS : 135

ORIGINAL PAINT

CONTRACT REPAINT

DEPARTMENT REPAINT

MANUFACTURE :  
SURFACE PREPARATION :

PAINT TYPE :

PAINT TYPE :

PAINT TYPE :

NAME :

NAME :

NAME :

PAINT COLOR : GRAY

PAINT COLOR :

PAINT COLOR :

PAINT YEAR : 2010

PAINT YEAR : 0

PAINT YEAR : 0

MILS : 0

MILS : 0

MILS : 0

CREW :

LAYER :

DATE :

**WORK**

RESPONSIBILITY	LOCATION	WORK ITEM	PRIORITY	DATE REQUESTED
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SPECIAL COMMENTS : RESET BRGS PRIORITY 1

**PROGRAM RECOMMENDATIONS**