



Safe & Sound =

Missouri Department of Transportation  
Bridge Inspection Report

DISTRICT : KC COUNTY : JACKSON A0992

KC

GENERAL STRUCTURE INFORMATION

STRUCTURE NUMBER : <b>A0992</b> 744	STRUCTURE STATUS : A-OPEN	MAINTENANCE DISTRICT : KC	MAINTENANCE COUNTY : JACKSON	PLACE CODE : 35000 INDEPENDENCE CITY
DISTRICT : <b>KC</b>	DIRECTION OF TRAFFIC : 1-WAY TRAF	OWNED BY : MODOT	MAINTAINED BY : MODOT	INSPECTORS : RICHARD KINGERY (STATE)
COUNTY : <b>JACKSON</b>	STRUCTURE CLASS : STATBR	FUNCTIONAL CLASSIFICATION : INTERSTATE		INSPECTION DATE : 9/30/2011
FACILITY CARRIED : <b>IS 435 S</b>	DEFICIENT CODE :	LANES ON STRUCTURE 3		INSPECTION FREQUENCY : 24
CURB TO CURB : 40 Ft. 0 In.	SUB AREA : 7C32	LANES UNDER STRUCTURE : 10		LATITUDE : 39 3 33.50087 (DMS)
STRUCTURE LENGTH : 443 FEET	YEAR BUILT : 1962	BEGINNING COMPASS DIRECTION : NORTH		LONGITUDE : 94 29 25.26304 (DMS)
FEATURE INTERSECTED : <b>IS 70. RP IS435N TO IS70</b>	RECONSTRUCTION YEAR 1983	ENDING COMPASS DIRECTION : SOUTH		SCOUR EVALUATION TYPE :

POSTING INFORMATION

ADVANCE SIGNING

APPROVED POSTING CATEGORY : S-1	LIMITS : NO POSTING REQUIRED	NO POSTING REQUIRED	SIGN TYPE :
FIELD POSTING CATEGORY : S-1	LIMITS : NO POSTING REQUIRED	NO POSTING REQUIRED	PROBLEM :
POSTING PROBLEM :		DIRECTION :	DIRECTION :
COMMENTS :			

FACILITY CARRIED INFORMATION

(ITEM 29) AVERAGE DAILY TRAFFIC : 37674	(ITEM 30) YEAR OF AVERAGE DAILY TRAFFIC : 2013	PERMITTED VERTICAL CLEARANCE : 14'11"	RP IS70W TO IS435S S
		PERMITTED VERTICAL CLEARANCE : 17'10"	IS 70 W
		PERMITTED VERTICAL CLEARANCE : 14'10"	RP IS435N TO IS70W W
		PERMITTED VERTICAL CLEARANCE : 17'10"	IS 70 E
(ITEM 53) VERTICAL CLEARANCE OVER DECK :	DATE :		

OTHER INSPECTION INFORMATION

NBI : PIN : CATEGORY : METHODS : INSPECTORS : COMMENTS :	FREQUENCY : DATE :	NBI : PIN : CATEGORY : METHODS : INSPECTORS : COMMENTS :	FREQUENCY : DATE :	NBI : PIN : CATEGORY : METHODS : INSPECTORS : COMMENTS :	FREQUENCY : DATE :
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PROGRAM NOTES

PROGRAM YEAR :	PROJECT NO. :	LETTING MONTH	LETTING YEAR :
COMMENTS :			
PROGRAM ITEMS :			

<b>GENERAL COMMENTS :</b> (66'-80'-103'-106'-86') CONT CONC BOX GDR SPANS	02/04/2004	<b>(ITEM 59) SUPERSTRUCTURE RATING :</b> 8-VERY GOOD CONDITION	02/04/2004	<b>(ITEM 60) SUBSTRUCTURE RATING :</b> 6-SATISFACTORY CONDITION	05/18/2001
<b>RATINGS :</b> (ITEM 58) DECK RATING : 8-VERY GOOD CONDITION					
COMMENTS :		COMMENTS :		COMMENTS :	

SUMMARY COMPONENTS

<b>MAIN SERIES</b> 1 CONTINUOUS SPAN	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	NUMBER OF SPANS : 5
TOTAL NUMBER OF SPANS : 5			
<b>RAILING RATINGS :</b>			
<b>(ITEM 36A) BRIDGE RAILING :</b>	1 MEETS CURRENT STANDARDS	<b>COMMENT S :</b>	
<b>(ITEM 36B) TRANSITION RAILING :</b>	1 MEETS CURRENT STANDARDS	<b>COMMENT S :</b>	
<b>(ITEM 36C) APPROACH RAILING :</b>	1 MEETS CURRENT STANDARDS	<b>COMMENT S :</b>	
<b>(ITEM 36D) RAIL END TREATMENT :</b>	1 MEETS CURRENT STANDARDS	<b>COMMENT S :</b>	
<b>(ITEM 36A) BRIDGE RAILING :</b>			
COMPONENT : BRIDGE RAILING	REINFORCED CONCRETE	PARAPET	DIRECTION : BOTH
COMPONENT : BRIDGE RAILING	REINFORCED CONCRETE	BLOCKOUT	DIRECTION : BOTH
<b>(ITEM 36B) TRANSITION RAILING :</b>			
COMPONENT : TRANSITION RAILING	GALVANIZED STEEL	THRIE BEAM TO W-BEAM	DIRECTION : BOTH-NORTH
COMPONENT : TRANSITION RAILING	GALVANIZED STEEL	THRIE BEAM TO W-BEAM	DIRECTION : SOUTHWEST

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(ITEM 36C) APPROACH RAILING :

COMPONENT : APPROACH RAILING GALVANIZED STEEL W-BEAM DIRECTION : BOTH-NORTH  
COMPONENT : APPROACH RAILING GALVANIZED STEEL W-BEAM DIRECTION : SOUTHWEST

(ITEM 36D) RAIL END TREATMENT :

COMPONENT : RAIL END TREATMENT GALVANIZED STEEL BREKAWAY SYSTEM MANUFACTURE : ET-2000 DIRECTION : BOTH-NORTH  
COMPONENT : RAIL END TREATMENT GALVANIZED STEEL BREKAWAY SYSTEM DIRECTION : SOUTHWEST

APPROACH PAVEMENT :

COMPONENT : APPROACH PAVEMENT REINFORCED CONCRETE TIED SLAB DIRECTION : BOTH

DECK / RAILING ELEMENTS

(ITEM 58) OVERALL CONDITION RATING : 8-VERY GOOD CONDITION

DECK COMPONENTS

MAIN SPANS 1  
COMPONENT : DECK REINFORCED CONCRETE CAST-IN-PLACE  
CONDITION : MAP CRACKS THROUGHOUT FEW  
MAIN SPANS 2  
COMPONENT : DECK REINFORCED CONCRETE CAST-IN-PLACE  
MAIN SPANS 3  
COMPONENT : DECK REINFORCED CONCRETE CAST-IN-PLACE  
MAIN SPANS 4  
COMPONENT : DECK REINFORCED CONCRETE CAST-IN-PLACE  
MAIN SPANS 5  
COMPONENT : DECK REINFORCED CONCRETE CAST-IN-PLACE

DRAINAGE COMPONENTS

DRAINAGE 0  
COMPONENT : DRAINAGE REINFORCED CONCRETE CURB OUTLET

EXPANSION DEVICES

ABUTMENT 1  
COMPONENT : CLOSED EXPANSION JOINT ELASTOMERIC STRIP SEAL  
ABUTMENT 6  
COMPONENT : CLOSED EXPANSION JOINT ELASTOMERIC STRIP SEAL OVERALL CONDITION : GOOD

PROTECTIVE COMPONENTS

MAIN SERIES 1  
COMPONENT : WEARING SURFACE PLAIN CONCRETE LOW SLUMP OVERALL CONDITION : FAIR  
CONDITION : PATCHES RANDOM FEW  
COMMENTS : SPAN 2  
CONDITION : MAP CRACKS THROUGHOUT MANY  
COMPONENT : DECK PROTECTION LIQUID SEALANT INTERNALLY SEALED MANUFACTURE : STAR MACRO YEAR APPLIED : 2009  
COMPONENT : MEMBRANE LIQUID SEALANT BUILT-UP

RAILING COMPONENTS

BRIDGE RAILING 0  
COMPONENT : BRIDGE RAILING REINFORCED CONCRETE PARAPET  
COMPONENT : BRIDGE RAILING REINFORCED CONCRETE BLOCKOUT  
COMPONENT : RAIL END TREATMENT GALVANIZED STEEL BREKAWAY SYSTEM  
COMPONENT : TRANSITION RAILING GALVANIZED STEEL THRIE BEAM TO W-BEAM  
COMPONENT : TRANSITION RAILING GALVANIZED STEEL THRIE BEAM TO W-BEAM  
COMPONENT : RAIL END TREATMENT GALVANIZED STEEL BREKAWAY SYSTEM  
COMPONENT : APPROACH RAILING GALVANIZED STEEL W-BEAM  
COMPONENT : APPROACH RAILING GALVANIZED STEEL W-BEAM

SUPERSTRUCTURE ELEMENTS

(ITEM 59) OVERALL CONDITION RATING : 8-VERY GOOD CONDITION

MAIN SERIES 1 CONTINUOUS SPAN REINFORCED CONCRETE BOX GIR-CIP MUL CELL NUMBER OF SPANS : 5  
COMMENTS : SPAN 5 CRACKS WITH SPALL (SE) AND TENSION CRACKS  
SPAN 2-4 TENSION CRACKS  
SPAN 1 SHEAR AND TENSION CRACKS  
APPROACH ROADWAY WIDTH : 44 FOOT 0 INCH CURB TO CURB : 40 FOOT 0 INCH OUT TO OUT : 44 FOOT 9.6 INCH LEFT CURB WIDTH : 0 FOOT 0 INCH RIGHT CURB WIDTH : 0 FOOT 0 INCH

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MAIN SPANS 1	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH : 66 FOOT 3 INCH	LENGTH : 105 FOOT 0	WEATHERING IND :
CONDITION : TRANSVERSE CRACKS FEW THROUGHOUT							
MAIN SPANS 2	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH : 80 FOOT 0 INCH		WEATHERING IND :
MAIN SPANS 3	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH : 103 FOOT 1 INCH		WEATHERING IND :
MAIN SPANS 4	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH : 106 FOOT 11 INCH		WEATHERING IND :
MAIN SPANS 5	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH : 86 FOOT 3 INCH		WEATHERING IND :
TOTAL NUMBER OF SPANS 5							

SUBSTRUCTURE ELEMENTS

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

<b>ABUTMENT</b> 1	LABEL :			REINFORCED CONCRETE	NON-INTEGRAL
RIGHTADVAN LENGTH : 44 FOOT 9 INCH					
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : SPALLS	THROUGHOUT		SMALL		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COMMENTS : SEALED WITH BRIDGEMATE 7/12					
PILING			STEEL	H-SHAPE	
TURNED BACK WINGS			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : SATURATION	THROUGHOUT		MINOR		
CONDITION : SPALLS	THROUGHOUT		MINOR		
WING PILES			STEEL	H-SHAPE	
CLOSED EXPANSION JOINT			ELASTOMERIC	STRIP SEAL	
EXPANSION GAP : 2.5 INCH 60 FARENHEIT					
<b>BENT</b> 2	LABEL :			REINFORCED CONCRETE	MULTIPLE COLUMN
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>BENT</b> 3	LABEL :			REINFORCED CONCRETE	MULTIPLE COLUMN
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>BENT</b> 4	LABEL :			REINFORCED CONCRETE	MULTIPLE COLUMN
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>BENT</b> 5	LABEL :			REINFORCED CONCRETE	MULTIPLE COLUMN
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	
FOOTING			REINFORCED CONCRETE	SPREAD	
<b>ABUTMENT</b> 6	LABEL :			REINFORCED CONCRETE	NON-INTEGRAL
RIGHTADVAN LENGTH : 44 FOOT 9 INCH					
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : SPALLS	THROUGHOUT		MINOR		
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE	
COMMENTS : SEALED WITH BRIDGEMATE 7/12					
CONDITION : LEACHING	THROUGHOUT		HEAVY		
PILING			STEEL	H-SHAPE	
TURNED BACK WINGS			REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : SATURATION	THROUGHOUT		MINOR		
CONDITION : SPALLS	THROUGHOUT		MINOR		
WING PILES			STEEL	H-SHAPE	
CLOSED EXPANSION JOINT			ELASTOMERIC	STRIP SEAL	
EXPANSION GAP : 2.5 INCH 60 FARENHEIT					

MISCELLANEOUS ITEMS

1 MEETS CURRENT STANDARDS

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**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  
**WATERWAY ADEQUACY** (ITEM 71) WATERWAY ADEQUACY RATING : NOT APPLICABLE  
**APPROACH ROADWAY** (ITEM 72) APPROACH ROADWAY ALIGNMENT RATING : 6-SATISFACTORY  
**BANK PROTECTION**

PLAIN CONCRETE PAVEDSLOPE BOTH

**UTILITY ATTACHMENTS**

**STRUCTURE PAINT DETAILS**

OVERALL PAINT CONDITION	RUST AMOUNT :	STEEL TONS :	
ORIGINAL PAINT	CONTRACT REPAINT	DEPARTMENT REPAINT	MANUFACTURE :
PAINT TYPE :	PAINT TYPE :	PAINT TYPE :	SURFACE PREPARATION :
NAME :	NAME :	NAME :	
PAINT COLOR :	PAINT COLOR :	PAINT COLOR :	
PAINT YEAR :	PAINT YEAR :	PAINT YEAR :	
MILS :	MILS :	MILS :	
CREW :	LAYER :	DATE :	

**WORK**

RESPONSIBILITY	LOCATION	WORK ITEM	PRIORITY	DATE REQUESTED
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**PROGRAM RECOMMENDATIONS**