



Safe & Sound =

Missouri Department of Transportation
Bridge Inspection Report

DISTRICT : KC COUNTY : JACKSON A0993

KC

GENERAL STRUCTURE INFORMATION

STRUCTURE NUMBER : A0993 745	STRUCTURE STATUS : A-OPEN	MAINTENANCE DISTRICT : KC	MAINTENANCE COUNTY : JACKSON	PLACE CODE : 35000 INDEPENDENCE CITY
DISTRICT : KC	DIRECTION OF TRAFFIC : 1-WAY TRAF	OWNED BY : MODOT	MAINTAINED BY : MODOT	INSPECTORS : RICHARD KINGERY (STATE)
COUNTY : JACKSON	STRUCTURE CLASS : STATBR	FUNCTIONAL CLASSIFICATION : INTERSTATE		INSPECTION DATE : 9/30/2011
FACILITY CARRIED : IS 435 N	DEFICIENT CODE :	LANES ON STRUCTURE 3		INSPECTION FREQUENCY : 24
CURB TO CURB : 40 Ft. 0 In.	SUB AREA : 7C32	LANES UNDER STRUCTURE : 12		LATITUDE : 39 3 31.59463 (DMS)
STRUCTURE LENGTH : 475 FEET	YEAR BUILT : 1962	BEGINNING COMPASS DIRECTION : NORTH		LONGITUDE : 94 29 22.56259 (DMS)
FEATURE INTERSECTED : IS 70. RP IS435S TO IS70	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 : 44247	(ITEM 30) YEAR OF AVERAGE DAILY TRAFFIC : 2013	PERMITTED VERTICAL CLEARANCE : 16'3"	RP IS70E TO BLUE RIDGE CUTOFF S
		PERMITTED VERTICAL CLEARANCE : 18'0"	IS 70 E
		PERMITTED VERTICAL CLEARANCE : 17'10"	RP IS70W TO IS435S S
		PERMITTED VERTICAL CLEARANCE : 15'10"	RP IS435S TO IS70E E
		PERMITTED VERTICAL CLEARANCE : 18'0"	IS 70 W
(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 :			

GENERAL COMMENTS : (75'-93'-66'-68'-91'-75') CONT CONC BOX GDR SPANS				
RATINGS : (ITEM 58) DECK RATING : 8-VERY GOOD CONDITION	02/04/2004	(ITEM 59) SUPERSTRUCTURE RATING : 8-VERY GOOD CONDITION	02/04/2004	(ITEM 60) SUBSTRUCTURE RATING : 6-SATISFACTORY CONDITION
COMMENTS :		COMMENTS :		COMMENTS :
				05/18/2001

SUMMARY COMPONENTS

MAIN SERIES 1	CONTINUOUS SPAN	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	NUMBER OF SPANS : 6
TOTAL NUMBER OF SPANS : 6				
RAILING RATINGS :				
(ITEM 36A) BRIDGE RAILING :	1 MEETS CURRENT STANDARDS	COMMENT S :		
(ITEM 36B) TRANSITION RAILING :	1 MEETS CURRENT STANDARDS	COMMENT S :		
(ITEM 36C) APPROACH RAILING :	1 MEETS CURRENT STANDARDS	COMMENT S :		
(ITEM 36D) RAIL END TREATMENT :	1 MEETS CURRENT STANDARDS	COMMENT S :		
(ITEM 36A) BRIDGE RAILING :				
COMPONENT : BRIDGE RAILING	REINFORCED CONCRETE	PARAPET	DIRECTION : BOTH	
COMPONENT : BRIDGE RAILING	REINFORCED CONCRETE	BLOCKOUT	DIRECTION : BOTH	
(ITEM 36B) TRANSITION RAILING :				
COMPONENT : TRANSITION RAILING	GALVANIZED STEEL	THRIE BEAM TO W-BEAM	DIRECTION : SOUTHEAST	

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COMPONENT : TRANSITION RAILING (ITEM 36C) APPROACH RAILING :	GALVANIZED STEEL	THRIE BEAM TO W-BEAM	DIRECTION : SOUTHWEST
COMPONENT : APPROACH RAILING	GALVANIZED STEEL	W-BEAM	DIRECTION : SOUTHWEST
COMPONENT : APPROACH RAILING (ITEM 36D) RAIL END TREATMENT :	GALVANIZED STEEL	W-BEAM	DIRECTION : SOUTHEAST
COMPONENT : RAIL END TREATMENT	GALVANIZED STEEL	BREKAWAY SYSTEM	MANUFACTURE : ET-2000 DIRECTION : SOUTHEAST
COMPONENT : RAIL END TREATMENT	GALVANIZED STEEL	BREKAWAY SYSTEM	MANUFACTURE : ET-2000 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	
CONDITION : MAP CRACKS	THROUGHOUT	FEW	
MAIN SPANS 3			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : MAP CRACKS	THROUGHOUT	FEW	
MAIN SPANS 4			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : MAP CRACKS	THROUGHOUT	FEW	
MAIN SPANS 5			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : MAP CRACKS	THROUGHOUT	FEW	
MAIN SPANS 6			
COMPONENT : DECK	REINFORCED CONCRETE	CAST-IN-PLACE	
CONDITION : MAP CRACKS	THROUGHOUT	FEW	

DRAINAGE COMPONENTS

DRAINAGE 0			
COMPONENT : DRAINAGE	REINFORCED CONCRETE	CURB OUTLET	

EXPANSION DEVICES

ABUTMENT 1			
COMPONENT : CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL	OVERALL CONDITION : GOOD
ABUTMENT 7			
COMPONENT : CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL	OVERALL CONDITION : GOOD

PROTECTIVE COMPONENTS

MAIN SERIES 1			
COMPONENT : WEARING SURFACE	PLAIN CONCRETE	SILICA FUME	OVERALL CONDITION : FAIR
CONDITION : MAP CRACKS	THROUGHOUT	MANY	
CONDITION : TRANSVERSE 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 : RAIL END TREATMENT	GALVANIZED STEEL	BREKAWAY SYSTEM	
COMPONENT : TRANSITION RAILING	GALVANIZED STEEL	THRIE BEAM TO W-BEAM	
COMPONENT : APPROACH RAILING	GALVANIZED STEEL	W-BEAM	
COMPONENT : APPROACH RAILING	GALVANIZED STEEL	W-BEAM	



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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 : 6				
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
MAIN SPANS 1	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	75 FOOT 4 INCH	LENGTH :	94 FOOT 0 INCH	WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						
MAIN SPANS 2	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	93 FOOT 2 INCH			WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						
MAIN SPANS 3	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	66 FOOT 5 INCH			WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						
MAIN SPANS 4	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	68 FOOT 2 INCH			WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						
MAIN SPANS 5	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	91 FOOT 10 INCH			WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						
MAIN SPANS 6	CONTINUOUS SPAN	NON-COMPOSITE	REINFORCED CONCRETE	BOX GIR-CIP MUL CELL	LENGTH :	75 FOOT 7 INCH			WEATHERING IND :
CONDITION :	TRANSVERSE CRACKS	MINOR	THROUGHOUT						

TOTAL NUMBER OF SPANS 6

SUBSTRUCTURE ELEMENTS

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

ABUTMENT	1	LABEL :	REINFORCED CONCRETE	OPEN CONCRETE
LENGTH :	44 FOOT 9 INCH			
BACKWALL			REINFORCED CONCRETE	CAST-IN-PLACE
BEAM CAP			REINFORCED CONCRETE	CAST-IN-PLACE
COMMENTS :	SHEAR BLOCKS CRUSHED.			
CONDITION :	DELAMINATION	THROUGHOUT	MODERATE	
CONDITION :	HORIZONTAL CRACKS	THROUGHOUT	MEDIUM	
CONDITION :	SPALLS	THROUGHOUT	MODERATE	
COLUMN			REINFORCED CONCRETE	CAST-IN-PLACE
FOOTING			REINFORCED CONCRETE	SPREAD
TURNED BACK WINGS			REINFORCED CONCRETE	CAST-IN-PLACE
CLOSED EXPANSION JOINT			ELASTOMERIC	STRIP SEAL
EXPANSION BEARING			STEEL	SINGLE ROLLER
				OVERALL CONDITION: GOOD
				OVERALL CONDITION: GOOD
BENT	2	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
FOOTING			REINFORCED CONCRETE	SPREAD
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE
BENT	3	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
FOOTING			REINFORCED CONCRETE	SPREAD
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE
BENT	4	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
FOOTING			REINFORCED CONCRETE	SPREAD
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE
BENT	5	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
FOOTING			REINFORCED CONCRETE	SPREAD
COLUMN			REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE
CONDITION :	SPALLS	MID SPAN	MINOR	
CONDITION :	REBAR EXPOSED	BOTTOM	MINOR	
CONDITION :	SPALLS	BOTTOM	MINOR	
BENT	6	LABEL :	REINFORCED CONCRETE	MULTIPLE COLUMN
FOOTING			REINFORCED CONCRETE	SPREAD

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COLUMN		REINFORCED CONCRETE	INTEGRAL CAST-IN-PLACE	REINFORCED CONCRETE	NON-INTEGRAL
ABUTMENT	7				
LENGTH : 44 FOOT 9 INCH					
BACKWALL		REINFORCED CONCRETE	CAST-IN-PLACE		
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE		
COMMENTS : SHEAR BLOCKS CRACKED.					
CONDITION : LEACHING	THROUGHOUT	HEAVY			
TURNED BACK WINGS		REINFORCED CONCRETE	CAST-IN-PLACE		
PILING		STEEL	H-SHAPE		
WING PILES		STEEL	H-SHAPE		
CLOSED EXPANSION JOINT		ELASTOMERIC	STRIP SEAL	OVERALL CONDITION: GOOD	
EXPANSION BEARING		STEEL	SINGLE ROLLER	OVERALL CONDITION: GOOD	

MISCELLANEOUS ITEMS

1 MEETS CURRENT STANDARDS					
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 : 8-VERYGOOD				
BANK PROTECTION	PLAIN CONCRETE	PAVEDSLOPE	BOTH		
UTILITY ATTACHMENTS					
STRUCTURE PAINT DETAILS					
OVERALL PAINT CONDITION		RUST AMOUNT :		STEEL TONS : 0	
ORIGINAL PAINT		CONTRACT REPAINT		DEPARTMENT REPAINT	
PAINT TYPE :		PAINT TYPE :		PAINT TYPE :	MANUFACTURE :
NAME :		NAME :		NAME :	SURFACE PREPARATION :
PAINT COLOR :		PAINT COLOR :		PAINT COLOR :	
PAINT YEAR :	0	PAINT YEAR :	0	PAINT YEAR :	0
MILS :	0	MILS :	0	MILS :	0
CREW :		LAYER :		DATE :	

WORK

RESPONSIBILITY	LOCATION	WORK ITEM	PRIORITY	DATE REQUESTED
DISTRICT ROUTINE	SOUTH WEST	REPAIR EROSION	3	09/30/2011

PROGRAM RECOMMENDATIONS