Safe & Sound =

# Missouri Department of Transportation
## Bridge Inspection Report

**DISTRICT : KC** **COUNTY : JACKSON** **A0991**

KC

### GENERAL STRUCTURE INFORMATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| STRUCTURE NUMBER : | **A0991** 743 | 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 : | **RP IS435S TO IS70E E** | DEFICIENT CODE : | | LANES ON STRUCTURE | 1 | INSPECTION FREQUENCY : | 24 |
| CURB TO CURB : | 27 Ft. 0 In. | SUB AREA : | 7C32 | LANES UNDER STRUCTURE : | 7 | LATITUDE : | 39 3 30.48294 (DMS) |
| STRUCTURE LENGTH : | 478 FEET | YEAR BUILT : | 1962 | BEGINNING COMPASS DIRECTION : | NORTH | LONGITUDE : | 94 29 19.5482 (DMS) |
| FEATURE INTERSECTED : | **IS 70. RP IS70W TO IS435** | RECONSTRUCTION YEAR | 0 | ENDING COMPASS DIRECTION : | SOUTH | SCOUR EVALUATION TYPE : | |

### POSTING INFORMATION

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

### ADVANCE SIGNING

SIGN TYPE :
PROBLEM :
DIRECTION :

### FACILITY CARRIED INFORMATION

(ITEM 29) AVERAGE DAILY TRAFFIC : 16538 (ITEM 30) YEAR OF AVERAGE DAILY TRAFFIC : 2013

PERMITTED VERTICAL CLEARANCE : 14'10" IS 70 E
PERMITTED VERTICAL CLEARANCE : 16'4" IS 70 W
PERMITTED VERTICAL CLEARANCE : 17'2" RP IS70W TO IS435S S

(ITEM 53) VERTICAL CLEARANCE OVER DECK : DATE :

### OTHER INSPECTION INFORMATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NBI : | FREQUENCY : | NBI : | FREQUENCY : | NBI : | FREQUENCY : | NBI : | FREQUENCY : |
| PIN : | DATE : | PIN : | DATE : | PIN : | DATE : | PIN : | DATE : |
| CATEGORY : | | CATEGORY : | | CATEGORY : | | CATEGORY : | |
| METHODS : | | METHODS : | | METHODS : | | METHODS : | |
| INSPECTORS : | | INSPECTORS : | | INSPECTORS : | | INSPECTORS : | |
| COMMENTS : | | COMMENTS : | | COMMENTS : | | COMMENTS : | |

**PROGRAM NOTES**

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

**GENERAL COMMENTS :** (74'-83'-98'-59'-74'-74') CONT CONC BOX GDR SPANS

**RATINGS : (ITEM 58) DECK RATING :** 7-GOOD CONDITION 10/20/2011
**COMMENTS :** T-CRACKS.

**(ITEM 59) SUPERSTRUCTURE RATING :** 7-GOOD CONDITION 10/20/2011
**COMMENTS :** T-CRACKS

**(ITEM 60) SUBSTRUCTURE RATING :** 6-SATISFACTORY CONDITION 05/18/2001
**COMMENTS :**

### 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 | |

**(ITEM 36B) TRANSITION RAILING :**

| | | | | |
|---|---|---|---|---|
| COMPONENT : | TRANSITION RAILING | GALVANIZED STEEL | THRIE BEAM TO W-BEAM | DIRECTION : NORTHEAST |
| COMPONENT : | TRANSITION RAILING | GALVANIZED STEEL | THRIE BEAM TO W-BEAM | DIRECTION : NORTHWEST |
| COMPONENT : | TRANSITION RAILING | GALVANIZED STEEL | THRIE BEAM TO W-BEAM | DIRECTION : SOUTHWEST |

Design_No = A0991



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**(ITEM 36C) APPROACH RAILING :**

| | | | | |
|---|---|---|---|---|
| COMPONENT : | APPROACH RAILING | GALVANIZED STEEL | W-BEAM | DIRECTION : ALL |

**(ITEM 36D) RAIL END TREATMENT :**

| | | | | | |
|---|---|---|---|---|---|
| COMPONENT : | RAIL END TREATMENT | GALVANIZED STEEL | BREKAWAY SYSTEM | MANUFACTURE : ET-2000 | DIRECTION : NORTHEAST |
| COMPONENT : | RAIL END TREATMENT | GALVANIZED STEEL | BREKAWAY SYSTEM | MANUFACTURE : ET-2000 | DIRECTION : NORTHWEST |
| 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 : 7-GOOD CONDITION**

**COMMENT S :** T-CRACKS.

**DECK COMPONENTS**

| | | | | | |
|---|---|---|---|---|---|
| MAIN SPANS | 1 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |
| MAIN SPANS | 2 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |
| MAIN SPANS | 3 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |
| MAIN SPANS | 4 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |
| MAIN SPANS | 5 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |
| MAIN SPANS | 6 | | | | |
| COMPONENT : | DECK | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | SATURATION | OVERHANGS | MINOR | | |
| CONDITION : | TRANSVERSE CRACKS | THROUGHOUT | MINOR | | |

**DRAINAGE COMPONENTS**

| | | | | | |
|---|---|---|---|---|---|
| DRAINAGE | 0 | | | | |
| COMPONENT : | DRAINAGE | PVC | PIPING SYSTEM | | |
| 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 | LOW SLUMP | OVERALL CONDITION : GOOD | |
| 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 : | TRANSITION RAILING | GALVANIZED STEEL | THRIE BEAM TO W-BEAM | |
| COMPONENT : | RAIL END TREATMENT | GALVANIZED STEEL | BREKAWAY SYSTEM | |



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| | | | |
|---|---|---|---|
| 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 : | RAIL END TREATMENT | GALVANIZED STEEL | BREKAWAY SYSTEM |
| COMPONENT : | APPROACH RAILING | GALVANIZED STEEL | W-BEAM |

## SUPERSTRUCTURE ELEMENTS

**(ITEM 59) OVERALL CONDITION RATING : 7-GOOD CONDITION**
**COMMENT S :** T-CRACKS

**MAIN SERIES** 1 CONTINUOUS SPAN REINFORCED CONCRETE BOX GIR-CIP MUL CELL NUMBER OF SPANS : 6

APPROACH ROADWAY WIDTH : 28 FOOT 0 INCH CURB TO CURB : 27 FOOT 0 INCH OUT TO OUT : 31 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 : 74 FOOT 0 INCH | LENGTH : 100 FOOT 0 | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |
| MAIN SPANS 2 | CONTINUOUS SPAN | NON-COMPOSITE | REINFORCED CONCRETE | BOX GIR-CIP MUL CELL | LENGTH : 83 FOOT 11 INCH | | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |
| MAIN SPANS 3 | CONTINUOUS SPAN | NON-COMPOSITE | REINFORCED CONCRETE | BOX GIR-CIP MUL CELL | LENGTH : 98 FOOT 9 INCH | | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |
| MAIN SPANS 4 | CONTINUOUS SPAN | NON-COMPOSITE | REINFORCED CONCRETE | BOX GIR-CIP MUL CELL | LENGTH : 59 FOOT 3 INCH | | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |
| MAIN SPANS 5 | CONTINUOUS SPAN | NON-COMPOSITE | REINFORCED CONCRETE | BOX GIR-CIP MUL CELL | LENGTH : 74 FOOT 0 INCH | | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |
| MAIN SPANS 6 | CONTINUOUS SPAN | NON-COMPOSITE | REINFORCED CONCRETE | BOX GIR-CIP MUL CELL | LENGTH : 74 FOOT 0 INCH | | WEATHERING IND : |
| CONDITION : | TRANSVERSE CRACKS | MODERATE | THROUGHOUT | | | | |

TOTAL NUMBER OF SPANS 6

## SUBSTRUCTURE ELEMENTS

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

| | | | | | | |
|---|---|---|---|---|---|---|
| **ABUTMENT** | 1 | LABEL : | | | REINFORCED CONCRETE | NON-INTEGRAL |
| RIGHTADVAN LENGTH : | 31 FOOT 9 INCH | | | | | |
| BACKWALL | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| BEAM CAP | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CONDITION : | DELAMINATION | THROUGHOUT | MINOR | | | |
| CONDITION : | EFFLORESCENCE | 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 | OVERALL CONDITION: GOOD | |
| EXPANSION BEARING | | | STEEL | SINGLE ROLLER | OVERALL CONDITION: | |
| **BENT** | 2 | LABEL : | | | REINFORCED CONCRETE | SINGLE COLUMN |
| COLUMN | | | REINFORCED CONCRETE | INTEGRAL CAST-IN-PLACE | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| **BENT** | 3 | LABEL : | | | REINFORCED CONCRETE | SINGLE COLUMN |
| COLUMN | | | REINFORCED CONCRETE | INTEGRAL CAST-IN-PLACE | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| **BENT** | 4 | LABEL : | | | REINFORCED CONCRETE | SINGLE COLUMN |
| COLUMN | | | REINFORCED CONCRETE | INTEGRAL CAST-IN-PLACE | | |
| CONDITION : | REBAR EXPOSED | THROUGHOUT | FEW | | | |
| CONDITION : | SPALLS | THROUGHOUT | MINOR | | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| **BENT** | 5 | LABEL : | | | REINFORCED CONCRETE | SINGLE COLUMN |



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| | | | | | | |
|---|---|---|---|---|---|---|
| COLUMN | | | REINFORCED CONCRETE | INTEGRAL CAST-IN-PLACE | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| **BENT** | 6 | LABEL : | | | REINFORCED CONCRETE | SINGLE COLUMN |
| COLUMN | | | REINFORCED CONCRETE | INTEGRAL CAST-IN-PLACE | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| **ABUTMENT** | 7 | LABEL : | | | REINFORCED CONCRETE | OPEN CONCRETE |
| RIGHTADVAN LENGTH : | 31 FOOT 9 INCH | | | | | |
| BACKWALL | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| BEAM CAP | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| COLUMN | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| FOOTING | | | REINFORCED CONCRETE | SPREAD | | |
| TURNED BACK WINGS | | | REINFORCED CONCRETE | CAST-IN-PLACE | | |
| CLOSED EXPANSION JOINT | | | ELASTOMERIC | STRIP SEAL | OVERALL CONDITION: | GOOD |
| EXPANSION BEARING | | | STEEL | SINGLE ROLLER | OVERALL CONDITION: | |

**MISCELLANEOUS ITEMS**

1 MEETS CURRENT STANDARDS

COMMENTS : T-CRACKS.

COMMENTS : T-CRACKS

**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**

ELECTRIC ENCASED DIAMETER 1 INCH

**STRUCTURE PAINT DETAILS**

OVERALL PAINT CONDITION GOOD RUST AMOUNT : STEEL TONS : 0

| ORIGINAL PAINT | | CONTRACT REPAINT | | DEPARTMENT REPAINT | | |
|---|---|---|---|---|---|---|
| PAINT TYPE : | | PAINT TYPE : | C SYSTEM | PAINT TYPE : | | MANUFACTURE : |
| NAME : | | NAME : | INORGANIC ZINC/VINYL | NAME : | | SURFACE PREPARATION : |
| PAINT COLOR : | | PAINT COLOR : | ALUMINUM | PAINT COLOR : | | |
| PAINT YEAR : | 0 | PAINT YEAR : | 2003 | PAINT YEAR : | 0 | |
| MILS : | 0 | MILS : | 0 | MILS : | 0 | |

COMMENTS : BEARINGS.

CREW : LAYER : DATE :

**WORK**

| RESPONSIBILITY | LOCATION | WORK ITEM | PRIORITY | DATE REQUESTED |
|---|---|---|---|---|

**PROGRAM RECOMMENDATIONS**



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