



**Missouri Department of Transportation  
State Bridge Inspection Report**

August 31, 2022  
3:44:33PM

COUNTY: JACKSON

DISTRICT: KC

CLASS: STATBR

FED-ID: 319

BRIDGE: A0478

**\*\*\*GENERAL STRUCTURE INFORMATION\*\*\***

**\*\*\*BRIDGE INSPECTION INFORMATION\*\*\***

ROUTE: IS49S  
FEATURE: LIT BLUE RVR  
STATUS: A-OPEN  
LOG MILE: 6.357  
DETOUR: 1.00 MILES  
NHS: YES  
BUILT: 1960  
REHAB: 2008  
LOCATION: S 13 T 47 R 33 W  
LATITUDE: 38 51 7.88 (DMS)  
LONGITUDE: 94 31 43.86 (DMS)

# SPANS: 3  
LANES ON: 4  
LANES UNDER: 0  
COMPASS DIRECTION: SOUTH to NORTH  
DIRECTION OF TRAFFIC: 1-WAY TRAF  
FUNCTIONAL CLASS: UR-INTERSTATE  
NBI OWNER: MODOT  
NBI MAINTAINED: MODOT  
MAINTENANCE DISTRICT: KC  
MAINTENANCE COUNTY: JACKSON  
SUB AREA: 7C03

PLACE CODE: 28324 GRANDVIEW CITY  
LENGTH: 86 FT 0 IN  
MAXIMUM SPAN: 28 FT 7 IN  
APPROACH ROADWAY: 56 FT 0 IN  
CURB TO CURB: 62 FT 6 IN  
OUT TO OUT: 65 FT 2 IN  
AADT: 49628  
AADT YEAR: 2021  
AADT TRUCK: 11.9%  
FUTURE AADT: 66998  
FUTURE AADT YEAR: 2041

DATE: 10/29/2021      RESPONSIBILITY: DISTRICT  
FREQUENCY: 24      CALCULATED INTERVAL\*\*: 24  
TEAM LEADER: BRYCE ACTON      ELEMENT: YES  
INSPECTOR 2: NATHANIEL MCCLOUD (NBI)      INSPECTOR 4:  
INSPECTOR 3:  
\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

**GENERAL INSPECTION COMMENTS**

**\*\*\*FRACTURE CRITICAL INSPECTION INFORMATION\*\*\***

**\*\*\*INDEPTH INSPECTION INFORMATION\*\*\***

DATE:      RESPONSIBILITY:      CATEGORY:  
FREQUENCY:      CALCULATED INTERVAL\*\*:  
TEAM LEADER:      INSPECTOR 3:      NBI:  
INSPECTOR 2:      INSPECTOR 4:      METHOD:

\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE:      RESPONSIBILITY:      CATEGORY:  
FREQUENCY:      CALCULATED INTERVAL\*\*:  
TEAM LEADER:      INSPECTOR 3:      NBI:  
INSPECTOR 2:      INSPECTOR 4:      METHOD:

\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

**FRACTURE CRITICAL INSPECTION COMMENTS**

**INDEPTH INSPECTION COMMENTS**

**\*\*\*SPECIAL INSPECTION INFORMATION\*\*\***

**\*\*\*UNDERWATER INSPECTION INFORMATION\*\*\***

DATE: 08/05/2015      RESPONSIBILITY: DISTRICT      CATEGORY: CHANNEL CROSS SEC'  
FREQUENCY: 120      CALCULATED INTERVAL\*\*:  
TEAM LEADER:      INSPECTOR 3:      NBI: NO  
INSPECTOR 2: ADAM ZENTZ      INSPECTOR 4:      METHOD: WT TAPE

\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE: 10/29/2021      RESPONSIBILITY: DISTRICT      CATEGORY: DRY  
FREQUENCY: 60      CALCULATED INTERVAL\*\*:  
TEAM LEADER: BRYCE ACTON      INSPECTOR 3:      NBI: NO  
INSPECTOR 2: NATHANIEL MCCLOUD (NBI)      INSPECTOR 4:      METHOD: VISUAL

\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

**SPECIAL INSPECTION COMMENTS**

**UNDERWATER INSPECTION COMMENTS**

(OTISL1, 11/01/2017)--16" EXPOSED DRILLED SHAFT IB 3 COLUMN 6.

**OTHER SPECIAL INSPECTIONS**

**OTHER UNDERWATER INSPECTIONS**

DATE    FREQUENCY    CATEGORY    NBI    CALCULATED INTERVAL    RESPONSIBILITY    METHOD

DATE    FREQUENCY    CATEGORY    NBI    CALCULATED INTERVAL    RESPONSIBILITY    METHOD



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**\*\*\*STRUCTURE POSTING\*\*\***

APPROVED CATEGORY: S-1 NO POSTING REQUIRED  
Ton 1: Ton 2: Ton 3:  
COMMENTS:

FIELD CATEGORY: S-1 NO POSTING REQUIRED  
Ton 1: Ton 2: Ton 3: PROBLEM: PROBLEM DIRECTION:  
COMMENTS:

**\*\*\*GENERAL COMMENTS/MAJOR RATED ITEMS\*\*\***

GENERAL COMMENTS: (OTISL1, 10/19/2015)--(28'-28'-28') CONT CONC VOIDED SLAB SPANS (WIDENED)

[ITEM 58] DECK: 6-SATISFACTORY CONDITION COMMENTS: (OTISL1, 10/19/2015)--TRANS CRACKS  
RATING : 11/01/2017 (OTISL1, 11/01/2017)--LESS THAN 10% DELAM.

[ITEM 59] SUPER: 6-SATISFACTORY CONDITION COMMENTS: (OTISL1, 11/01/2017)--TRANS CRACKS & EDGE DETERIORATION  
RATING : 11/12/2019 (OTISL1, 11/12/2019)--MINOR SATURATION

[ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (OTISL1, 11/01/2017)--HEAVY LEACHING @ ABUTMENTS  
RATING : 11/01/2017

[ITEM 61] BANK/CHANNEL: 7-MINOR DAMAGE COMMENTS: (OTISL1, 11/12/2019)--MINOR DAMAGE TO BANK PROTECTION  
RATING : 05/18/2001

[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED COMMENTS: (OTISL1, 11/01/2017)--DRILLED SHAFT MINOR EXPOSURE  
RATING : 05/18/2001  
EVALUATION TYPE :

[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV COMMENTS:  
RATING : 05/18/2001

[ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD COMMENTS:  
RATING : 05/18/2001

**\*\*\*RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS\*\*\***

[ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 RATING : 05/18/2001 COMMENTS:

| <u>MATERIAL</u>     | <u>CONSTRUCTION</u> | <u>DIRECTION</u>  | <u>COMMENTS</u> |                |  |
|---------------------|---------------------|-------------------|-----------------|----------------|--|
| REINFORCED CONCRETE | SAFETY BARRIER CURB | BOTH              |                 |                |  |
| <u>CONDITION</u>    | <u>LOCATION 1</u>   | <u>LOCATION 2</u> | <u>SEVERITY</u> | <u>COMMENT</u> |  |
| VERTICAL CRACKS     | THROUGHOUT          |                   | MINOR           |                |  |

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 RATING : 10/25/2011 COMMENTS:

| <u>MATERIAL</u>  | <u>CONSTRUCTION</u>  | <u>DIRECTION</u> | <u>COMMENTS</u> |
|------------------|----------------------|------------------|-----------------|
| GALVANIZED STEEL | THRIE BEAM TO W-BEAM | NORTHWEST        |                 |

[ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 RATING : 05/18/2001 COMMENTS:

| <u>MATERIAL</u>  | <u>CONSTRUCTION</u> | <u>DIRECTION</u> | <u>COMMENTS</u> |
|------------------|---------------------|------------------|-----------------|
| GALVANIZED STEEL | W-BEAM              | NORTHWEST        |                 |

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1 RATING : 10/25/2011 COMMENTS:



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|                  |                     |                  |                 |
|------------------|---------------------|------------------|-----------------|
| <u>MATERIAL</u>  | <u>CONSTRUCTION</u> | <u>DIRECTION</u> | <u>COMMENTS</u> |
| GALVANIZED STEEL | BREKAWAY SYSTEM     | NORTHWEST        |                 |

**APPROACH PAVEMENT:** \*Overall condition assigned for each approach pavemenet component is shown below.

|                                |                          |                   |                   |   |
|--------------------------------|--------------------------|-------------------|-------------------|---|
| <u>MATERIAL</u>                | <u>CONSTRUCTION</u>      | <u>DIRECTION</u>  | <u>CONDITION*</u> | <u>COMMENTS</u>   |
| REINFORCED CONCRETE            | SLAB                     | BOTH              | FAIR              | (OTISL1, 11/01/2017)--MINOR EROSION @ NW APPROACH<br>(OTISL1, 11/01/2017)--SPALLING @ JOINTS NUMEROUS REPAIRS MADE. |
| <u>CONDITION</u>               | <u>LOCATION 1</u>        | <u>LOCATION 2</u> | <u>SEVERITY</u>   | <u>COMMENT</u>  |
| LONGITUDINAL CRACKS<br>PATCHES | THROUGHOUT<br>THROUGHOUT |                   | MINOR<br>MANY     | (OTISL1, 11/01/2021)--LARGE   |

**\*\*\*DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS\*\*\***

**DECK PROTECTIVE COMPONENTS:**

| <u>SERIES TYPE-#</u> | <u>COMPONENT</u>          | <u>MATERIAL</u> | <u>CONSTRUCTION</u> | <u>THICKNESS</u> | <u>YEAR APPLIED</u> | <u>MANUFACTURE</u> | <u>OVERALL CONDITION</u> |
|----------------------|---------------------------|-----------------|---------------------|------------------|---------------------|--------------------|--------------------------|
| MAIN SERIES-1        | WEARING SURFACE           | PLAIN CONCRETE  | MONOLITHIC          |                  |                     |                    |                          |
| <u>COMMENT:</u>      |                           |                 |                     |                  |                     |                    |                          |
|                      | DECK PROTECTION           | EPOXY POLYMER   | COATED REBAR        |                  |                     |                    |                          |
| <u>COMMENT:</u>      |                           |                 |                     |                  |                     |                    |                          |
|                      | MEMBRANE                  | NOTAPPLICABLE   | NONE                |                  |                     |                    |                          |
| <u>COMMENT:</u>      |                           |                 |                     |                  |                     |                    |                          |
|                      | SECONDARY DECK PROTECTION | NOTAPPLICABLE   | NONE                |                  |                     |                    |                          |
| <u>COMMENT:</u>      |                           |                 |                     |                  |                     |                    |                          |

**DRAINAGE COMPONENTS:**

| <u>COMPONENT</u> | <u>MATERIAL</u>  | <u>CONSTRUCTION</u> | <u>DIRECTION</u> | <u>COMMENTS</u> |
|------------------|------------------|---------------------|------------------|-----------------|
| DRAINAGE         | GALVANIZED STEEL | MODOT PIPE DRAIN    |                  |                 |
| DRAINAGE         | STEEL            | FLOOR DRAIN         |                  |                 |

**EXPANSION DEVICE COMPONENTS:**

| <u>SUB UNIT-#</u> | <u>SUB LABEL</u> | <u>COMPONENT</u> | <u>MATERIAL</u> | <u>CONSTRUCTION</u> | <u>GAP</u> | <u>YEAR APPLIED</u> | <u>MANUFACTURE</u> | <u>OVERALL CONDITION</u> |
|-------------------|------------------|------------------|-----------------|---------------------|------------|---------------------|--------------------|--------------------------|
| <u>COMMENT:</u>   |                  |                  |                 |                     |            |                     |                    |                          |

**BANK/SLOPE PROTECTION COMPONENTS:**

| <u>COMPONENT</u> | <u>MATERIAL</u> | <u>CONSTRUCTION</u> | <u>DIRECTION</u> | <u>COMMENTS</u> |
|------------------|-----------------|---------------------|------------------|-----------------|
| SLOPE PROTECTION | ROCK            | RIP RAP             | BOTH             |                 |

**\*\*\*DECK COMPONENTS\*\*\***

| <u>SPAN TYPE-#</u>                        | <u>COMPONENT</u>           | <u>MATERIAL</u>     | <u>CONSTRUCTION</u>        | <u>COMMENTS</u>                   |
|---|----------------------------|---------------------|----------------------------|-----------------------------------|
| MAIN SPANS-1                              | DECK                       | REINFORCED CONCRETE | CAST-IN-PLACE              |                                   |
| <u>CONDITION</u>                          | <u>LOCATION 1</u>          | <u>LOCATION 2</u>   | <u>SEVERITY</u>            | <u>MEASUREMENT</u> <u>COMMENT</u> |
| DETERIORATION<br>EFFLORESCENCE<br>PATCHES | EDGE<br>THROUGHOUT<br>ENDS |                     | MINOR<br>MINOR<br>MODERATE |                                   |



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|                   |                   |                     |                 |                    |                |
|-------------------|-------------------|---------------------|-----------------|--------------------|----------------|
| SPALLS            | AT JOINTS         | FEW                 |                 |                    |                |
| TRANSVERSE CRACKS | THROUGHOUT        | MANY                |                 |                    |                |
| MAIN SPANS-2      | DECK              | REINFORCED CONCRETE | CAST-IN-PLACE   |                    |                |
| <u>CONDITION</u>  | <u>LOCATION 1</u> | <u>LOCATION 2</u>   | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |
| EFFLORESCENCE     | THROUGHOUT        |                     | MINOR           |                    |                |
| TRANSVERSE CRACKS | THROUGHOUT        |                     | MANY            |                    |                |
| MAIN SPANS-3      | DECK              | REINFORCED CONCRETE | CAST-IN-PLACE   |                    |                |
| <u>CONDITION</u>  | <u>LOCATION 1</u> | <u>LOCATION 2</u>   | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |
| DELAMINATION      | END BENT          |                     | FEW             |                    |                |
| DETERIORATION     | EDGE              |                     | MINOR           |                    |                |
| SPALLS            | AT JOINTS         |                     | FEW             |                    |                |
| TRANSVERSE CRACKS | THROUGHOUT        |                     | MANY            |                    |                |

**\*\*\*SUPERSTRUCTURE COMPONENTS\*\*\***

| <u>SERIES TYPE-#</u> | <u>SPAN TYPE</u>           | <u>MATERIAL</u>     |                         | <u>CONSTRUCTION</u> | <u>LABEL</u>   | <u>COMMENTS</u>              |
|----------------------|----------------------------|---------------------|-------------------------|---------------------|----------------|------------------------------|
| MAIN SERIES-1        | CONTINUOUS SPAN            | REINFORCED CONCRETE |                         | VOIDED SLAB         |                |                              |
| <u>SPAN</u>          | <u>COMPOSITE INDICATOR</u> | <u>LENGTH</u>       | <u>WEATHERING STEEL</u> | <u>COMMENTS</u>     |                |                              |
| MAIN SPANS-1         | NON-COMPOSITE              | 28 FT 7 IN          | NO                      |                     |                |                              |
| <u>CONDITION</u>     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>   | <u>SEVERITY</u>         | <u>MEASUREMENT</u>  | <u>COMMENT</u> |                              |
| DELAMINATION         | BOTTOM                     |                     | SMALL                   |                     |                |                              |
| EFFLORESCENCE        | THROUGHOUT                 |                     | LIGHT                   |                     |                |                              |
| LONGITUDINAL CRACKS  | ENDS                       |                     | MINOR                   |                     |                | (OTISL1, 11/01/2021)--BOTTOM |
| SATURATION           | THROUGHOUT                 |                     | MINOR                   |                     |                |                              |
| TRANSVERSE CRACKS    | THROUGHOUT                 |                     | MODERATE                |                     |                |                              |
| MAIN SPANS-2         | NON-COMPOSITE              | 28 FT 4 IN          | NO                      |                     |                |                              |
| <u>CONDITION</u>     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>   | <u>SEVERITY</u>         | <u>MEASUREMENT</u>  | <u>COMMENT</u> |                              |
| DELAMINATION         | BOTTOM                     |                     | SMALL                   |                     |                |                              |
| EFFLORESCENCE        | THROUGHOUT                 |                     | LIGHT                   |                     |                |                              |
| TRANSVERSE CRACKS    | THROUGHOUT                 |                     | MODERATE                |                     |                |                              |
| MAIN SPANS-3         | NON-COMPOSITE              | 28 FT 7 IN          | NO                      |                     |                |                              |
| <u>CONDITION</u>     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>   | <u>SEVERITY</u>         | <u>MEASUREMENT</u>  | <u>COMMENT</u> |                              |
| DELAMINATION         | BOTTOM                     |                     | SMALL                   |                     |                |                              |
| EFFLORESCENCE        | THROUGHOUT                 |                     | LIGHT                   |                     |                |                              |
| LONGITUDINAL CRACKS  | ENDS                       |                     | MINOR                   |                     |                | (OTISL1, 11/01/2021)--BOTTOM |
| TRANSVERSE CRACKS    | THROUGHOUT                 |                     | MODERATE                |                     |                |                              |

**\*\*\*SUBSTRUCTURE COMPONENTS\*\*\***

| <u>SUBSTRUCTURE</u>         | <u>SKEW</u>       | <u>LENGTH</u>       | <u>MATERIAL</u>     | <u>CONSTRUCTION</u> | <u>LABEL</u>       | <u>COMMENTS</u>                             |
|-----------------------------|-------------------|---------------------|---------------------|---------------------|--------------------|---|
| ABUTMENT-1                  |                   | 52 FT 10 IN         | REINFORCED CONCRETE | OPEN CONCRETE       |                    |   |
| <u>ASSOCIATED COMPONENT</u> | <u>CONDITION</u>  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>   | <u>SEVERITY</u>     | <u>MEASUREMENT</u> | <u>COMMENT</u>                              |
| BEAM CAP                    |                   | REINFORCED CONCRETE | CAST-IN-PLACE       |                     |                    |   |
| <u>CONDITION</u>            | <u>LOCATION 1</u> | <u>LOCATION 2</u>   | <u>SEVERITY</u>     | <u>MEASUREMENT</u>  | <u>COMMENT</u>     |   |
| EFFLORESCENCE               | THROUGHOUT        |                     | MODERATE            |                     |                    | (OTISL1, 11/01/2021)--AND MINOR UNDERMINING |
| LEACHING                    | THROUGHOUT        |                     | HEAVY               |                     |                    |   |

Design\_No = A0478



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|                             | VERTICAL CRACKS  | THROUGHOUT          |                            | MINOR                  |                 |                                   |
|-----------------------------|------------------|---------------------|----------------------------|------------------------|-----------------|-----------------------------------|
| COLUMN                      | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FOOTING                     | <u>CONDITION</u> | REINFORCED CONCRETE | SPREAD                     |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| PILING                      | <u>CONDITION</u> | STEEL               | H-SHAPE                    |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| TURNED BACK WINGS           | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| WING PILES                  | <u>CONDITION</u> | STEEL               | H-SHAPE                    |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FIXED BEARING               | <u>CONDITION</u> | ELASTOMERIC         | PLAIN NEOPRENE             |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| <b>BENT-2</b>               |                  | <b>49 FT 1 IN</b>   | <b>REINFORCED CONCRETE</b> | <b>MULTIPLE COLUMN</b> |                 |                                   |
|                             | <u>CONDITION</u> |                     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>      | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
| <u>ASSOCIATED COMPONENT</u> |                  | <u>MATERIAL</u>     |                            | <u>CONSTRUCTION</u>    |                 |                                   |
| BEAM CAP                    | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| COLUMN                      | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FOOTING                     | <u>CONDITION</u> | REINFORCED CONCRETE | SPREAD                     |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FIXED BEARING               | <u>CONDITION</u> | ELASTOMERIC         | PLAIN NEOPRENE             |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| <b>BENT-3</b>               |                  | <b>49 FT 1 IN</b>   | <b>REINFORCED CONCRETE</b> | <b>MULTIPLE COLUMN</b> |                 |                                   |
|                             | <u>CONDITION</u> |                     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>      | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
| <u>ASSOCIATED COMPONENT</u> |                  | <u>MATERIAL</u>     |                            | <u>CONSTRUCTION</u>    |                 |                                   |
| BEAM CAP                    | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| SPALLS                      |                  | THROUGHOUT          |                            | FEW                    |                 |                                   |
| COLUMN                      | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FOOTING                     | <u>CONDITION</u> | REINFORCED CONCRETE | SPREAD                     |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FIXED BEARING               | <u>CONDITION</u> | ELASTOMERIC         | PLAIN NEOPRENE             |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| <b>ABUTMENT-4</b>           |                  | <b>52 FT 10 IN</b>  | <b>REINFORCED CONCRETE</b> | <b>OPEN CONCRETE</b>   |                 |                                   |
|                             | <u>CONDITION</u> |                     | <u>LOCATION 1</u>          | <u>LOCATION 2</u>      | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
| <u>ASSOCIATED COMPONENT</u> |                  | <u>MATERIAL</u>     |                            | <u>CONSTRUCTION</u>    |                 |                                   |
| BEAM CAP                    | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| EFFLORESCENCE               |                  | THROUGHOUT          |                            | MODERATE               |                 |                                   |
| LEACHING                    |                  | THROUGHOUT          |                            | HEAVY                  |                 |                                   |
| VERTICAL CRACKS             |                  | THROUGHOUT          |                            | MINOR                  |                 |                                   |
| COLUMN                      | <u>CONDITION</u> | REINFORCED CONCRETE | CAST-IN-PLACE              |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |
| FOOTING                     | <u>CONDITION</u> | REINFORCED CONCRETE | SPREAD                     |                        | <u>SEVERITY</u> | <u>MEASUREMENT</u> <u>COMMENT</u> |
|                             |                  | <u>LOCATION 1</u>   | <u>LOCATION 2</u>          |                        |                 |                                   |



**Missouri Department of Transportation  
State Bridge Inspection Report**

August 31, 2022  
3:44:33PM

COUNTY: JACKSON

DISTRICT: KC

CLASS: STATBR

FED-ID: 319

BRIDGE: A0478

|                   |                  |                     |                   |                   |                 |                    |                |
|-------------------|------------------|---------------------|-------------------|-------------------|-----------------|--------------------|----------------|
| PILING            | <u>CONDITION</u> | STEEL               | <u>LOCATION 1</u> | <u>LOCATION 2</u> | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |
| TURNED BACK WINGS | <u>CONDITION</u> | REINFORCED CONCRETE | <u>LOCATION 1</u> | <u>LOCATION 2</u> | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |
| WING PILES        | <u>CONDITION</u> | STEEL               | <u>LOCATION 1</u> | <u>LOCATION 2</u> | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |
| FIXED BEARING     | <u>CONDITION</u> | ELASTOMERIC         | <u>LOCATION 1</u> | <u>LOCATION 2</u> | <u>SEVERITY</u> | <u>MEASUREMENT</u> | <u>COMMENT</u> |

**\*\*\*OVER/UNDER ROUTES CLEARANCE INFORMATION\*\*\***

**CLEARANCES OVER DECK**

\*\*NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

| <u>VERTICAL CLEARANCE TYPE**</u> | <u>VALUE</u> | <u>DIRECTION</u> | <u>DATE</u> | <u>COMMENT</u> |
|----------------------------------|--------------|------------------|-------------|----------------|
|----------------------------------|--------------|------------------|-------------|----------------|

**CLEARANCES UNDER BRIDGE**

\*\*NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

| <u>RECORD #</u> | <u>ROUTE</u> | <u># LANES</u> | <u>DIRECTION OF TRAFFIC</u> | <u>RIGHT LATERAL CLEARANCE</u> | <u>LEFT LATERAL CLEARANCE</u> | <u>UR-ID</u> |
|-----------------|--------------|----------------|-----------------------------|--------------------------------|-------------------------------|--------------|
|-----------------|--------------|----------------|-----------------------------|--------------------------------|-------------------------------|--------------|

  

| <u>VERTICAL CLEARANCE TYPE**</u> | <u>VALUE</u> | <u>DIRECTION</u> | <u>DATE</u> | <u>COMMENT</u> |
|----------------------------------|--------------|------------------|-------------|----------------|
|----------------------------------|--------------|------------------|-------------|----------------|

**\*\*\*STRUCTURE PAINT INFORMATION\*\*\***

|                       |                         |                           |                |
|-----------------------|-------------------------|---------------------------|----------------|
| <b>CONDITION:</b>     | <b>RUST AMOUNT :</b>    | <b>STEEL TONS :</b>       |                |
| <u>ORIGINAL PAINT</u> | <u>CONTRACT REPAINT</u> | <u>DEPARTMENT REPAINT</u> |                |
| PAIN T TYPE :         | PAIN T TYPE :           | PAIN T TYPE :             | MANUFACTURE :  |
| NAME :                | NAME :                  | NAME :                    | SURFACE PREP : |
| PAIN T COLOR :        | PAIN T COLOR :          | PAIN T COLOR :            |                |
| PAIN T YEAR :         | PAIN T YEAR :           | PAIN T YEAR :             |                |
| MIL S :               | MIL S :                 | MIL S :                   |                |

**\*\*\*REQUESTED WORK ITEMS\*\*\***

GENERAL WORK COMMENTS:





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|                       |                 |                        |                 |                 |             |                          |
|-----------------------|-----------------|------------------------|-----------------|-----------------|-------------|--------------------------|
| <i>RESPONSIBILITY</i> | <i>LOCATION</i> | <i>ITEM</i>            | <i>CATEGORY</i> | <i>PRIORITY</i> | <i>DATE</i> | <i>WORK ITEM COMMENT</i> |
| DISTRICT SPECIAL      | ROADWAY SURFACE | SEAL DECK WITH IN DECK | DECK            | 3               | 01/02/2020  |                          |

\*\*\*UTILITY ATTACHMENTS\*\*\*

|                |              |               |                         |              |               |                                   |
|----------------|--------------|---------------|-------------------------|--------------|---------------|-----------------------------------|
| <i>UTILITY</i> | <i>OWNER</i> | <i>METHOD</i> | <i>MEASUREMENT TYPE</i> | <i>VALUE</i> | <i>NUMBER</i> | <i>UTILITY ATTACHMENT COMMENT</i> |
|----------------|--------------|---------------|-------------------------|--------------|---------------|-----------------------------------|

\*\*\*PROGRAM NOTES INFORMATION\*\*\*

|             |                  |                  |                 |              |                |
|-------------|------------------|------------------|-----------------|--------------|----------------|
| <u>YEAR</u> | <u>PROJECT #</u> | <u>MONTH LET</u> | <u>YEAR LET</u> | <u>ITEMS</u> | <u>COMMENT</u> |
|-------------|------------------|------------------|-----------------|--------------|----------------|

\*\*\*COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS\*\*\*

NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.

| <u>Rated Item</u>                      | <u>Rating</u>             | <u>Rating Date</u> |
|--|---------------------------|--------------------|
| [Item 67] Structure Evaluation Rating: | 5-BETTER THAN MINIMUM     | 12/29/2017         |
| [Item 68] Deck Geometry Rating:        | 4-MEETS MINIMUM TOLERABLE | 12/9/2015          |
| [Item 69] Underclearance:              | N-NOT APPLICABLE          | 5/18/2001          |
| Sufficiency Rating:                    | 82.3%                     | 3/8/2022           |
| Deficiency:                            | NOT DEFICIENT             | 5/18/2001          |
| Funding Eligibility:                   |                           | ----               |
| Estimated New Structure Length:        |                           | ----               |
| Estimated Structure Cost:              |                           | ----               |
| Estimated Total Project Cost:          |                           | ----               |
| Year of Cost Estimate:                 |                           | ----               |

NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.

\*\*\*ADVANCED SIGN INFORMATION\*\*\*

|               |                  |                |                          |
|---------------|------------------|----------------|--------------------------|
| <b>SIGN #</b> | <b>SIGN TYPE</b> | <b>PROBLEM</b> | <b>PROBLEM DIRECTION</b> |
| 1             |                  |                |                          |

\*\*\*OUTFALL INSPECTION INFORMATION\*\*\*

|                    |                   |
|--------------------|-------------------|
| <b># OUTFALLS:</b> | <b>INSPECTOR:</b> |
| <b>STATUS:</b>     | <b>DATE:</b>      |
| <b>NOTES:</b>      |                   |



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