



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

April 19, 2023
10:33:01AM

COUNTY: MACON

DISTRICT: NE

CLASS: STATBR

FED-ID: 1730

BRIDGE: A2043

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

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

ROUTE: US63S
FEATURE: US 36
STATUS: A-OPEN
LOG MILE: 61.677
DETOUR: 1.00 MILES
NHS: YES
BUILT: 1971
REHAB: 2001
LOCATION: S 9 T 57 R 14 W
LATITUDE: 39 45 15.34 (DMS)
LONGITUDE: 92 28 4.10 (DMS)

SPANS: 4
LANES ON: 4
LANES UNDER: 4
COMPASS DIRECTION: NORTH to SOUTH
DIRECTION OF TRAFFIC: 2-WAY TRAF
FUNCTIONAL CLASS: UR-PRINCIPAL ARTERIAL
NBI OWNER: MODOT
NBI MAINTAINED: MODOT
MAINTENANCE DISTRICT: NE
MAINTENANCE COUNTY: MACON
SUB AREA: 7B07

PLACE CODE: 45326 MACON CITY
LENGTH: 226 FT 0 IN
MAXIMUM SPAN: 75 FT 0 IN
APPROACH ROADWAY: 68 FT 0 IN
CURB TO CURB: 74 FT 0 IN
OUT TO OUT: 76 FT 7 IN
AADT: 12567
AADT YEAR: 2022
AADT TRUCK: 11.8%
FUTURE AADT: 21992
FUTURE AADT YEAR: 2042

DATE: 09/29/2022 RESPONSIBILITY: DISTRICT
FREQUENCY: 24 CALCULATED INTERVAL**: 24
TEAM LEADER: TRAVIS WOMBWELL ELEMENT: YES
INSPECTOR 2: JOSEPH HAGGARD 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:
INSPECTOR 2: INSPECTOR 4:
NBI: METHOD:
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE: RESPONSIBILITY: CATEGORY:
FREQUENCY: CALCULATED INTERVAL**:
TEAM LEADER: INSPECTOR 3:
INSPECTOR 2: INSPECTOR 4:
NBI: 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: 03/27/2023 RESPONSIBILITY: BRIDGEDIV CATEGORY: PIN PLATES
FREQUENCY: 24 CALCULATED INTERVAL**: 22 NBI: YES
TEAM LEADER: CURT RICKERSON INSPECTOR 3: RANDY WEAVER METHOD: LADDER
INSPECTOR 2: CHRISTOPHER BYRD (NTL) INSPECTOR 4: KEVIN WEGENER
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE: RESPONSIBILITY: CATEGORY:
FREQUENCY: CALCULATED INTERVAL**:
TEAM LEADER: INSPECTOR 3:
INSPECTOR 2: INSPECTOR 4:
NBI: METHOD:
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

SPECIAL INSPECTION COMMENTS

UNDERWATER INSPECTION COMMENTS

OTHER SPECIAL INSPECTIONS

OTHER UNDERWATER INSPECTIONS

DATE FREQUENCY CATEGORY NBI CALCULATED INTERVAL RESPONSIBILITY METHOD

DATE FREQUENCY CATEGORY NBI CALCULATED INTERVAL RESPONSIBILITY METHOD

DistrictAbbr = NE and Design_No = a2043 and StructureStateBridgeType = STATE SYSTEM BRIDGE



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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: (BOWDEJ1, 03/07/2008)--(33') SMP PL GDR - (3'-75'-75'-3') CONT COMP PL GDR - (33') SMP PL GDR SPANS

[ITEM 58] DECK: 7-GOOD CONDITION COMMENTS: (MADSEJ, 05/05/2017)--A FEW TRANSVERSE CRACKS THROUGHOUT THE DECK WITH LIGHT EFFLORESCENCE.
RATING : 05/05/2017

[ITEM 59] SUPER: 4-POOR CONDITION COMMENTS: (MADSEJ, 06/04/2021)--MODERATE TO SEVERE DISTORTION OF THE PIN PLATES (3/4" TO 1") ON GIRDERS 5 & 6.
RATING : 05/04/2021 THE SPAN 4 GIRDER 1 WEST SIDE PIN PLATE HAS 1 CRACKED PLUG WELD

[ITEM 60] SUB: 6-SATISFACTORY CONDITION COMMENTS: (MADSEJ, 05/05/2017)--MODERATE SPALLING AND DELAMINATIONS THROUGHOUT BOTH ABUTMENT BEAMCAPS.
RATING : 05/05/2017

[ITEM 61] BANK/CHANNEL: N-NOT APPLIC NO WATRWAY COMMENTS:
RATING : 05/18/2001

[ITEM 113] SCOUR: N-NOT APPLIC NOT WATERW COMMENTS:
RATING : 05/18/2001
EVALUATION TYPE :

[ITEM 71] WATERWAY ADEQUACY: NOT APPLICABLE 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 : 01/14/2002 COMMENTS: (MARTER1, 10/07/2020)--HAIRLINE CRACKS THROUGHOUT
(MARTER1, 10/07/2020)--SAFETY BARRIER CURB HAIRLINE CRACKS THROUGHOUT

<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>
HAIR LINE CRACKING	THROUGHOUT		FINE

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 RATING : 01/14/2002 COMMENTS:

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

[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	ALL	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>
COLLISION DAMAGE	OTHER		MINOR

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[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1

RATING : 05/18/2001

COMMENTS:

<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
GALVANIZED STEEL	BREKAWAY SYSTEM	SOUTHWEST	
GALVANIZED STEEL	BREKAWAY SYSTEM	NORTHEAST	

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	TIED SLAB	BOTH	GOOD	

*****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>
APPROACH 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	LIQUID SEALANT	INTERNALLY SEALED		2021	SILANE	
<u>COMMENT:</u>							
MAIN SERIES-2	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	LIQUID SEALANT	INTERNALLY SEALED		2021	SILANE	
<u>COMMENT:</u>							
APPROACH SERIES-3	WEARING SURFACE	PLAIN CONCRETE	MONOLITHIC				
<u>COMMENT:</u>							
	DECK PROTECTION	EPOXY POLYMER	COATED REBAR				
<u>COMMENT:</u>							
	MEMBRANE	NOTAPPLICABLE	NONE				
<u>COMMENT:</u>							



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SECONDARY DECK PROTECTION

LIQUID SEALANT

INTERNALLY SEALED

2021

SILANE

COMMENT:

DRAINAGE COMPONENTS:

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
DRAINAGE	GALVANIZED 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>
ABUTMENT-1		CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL				GOOD
		COMMENT: (WOMBWT, 05/26/2021)--COVER PLATES BROKEN OFF AT EDGE.						
BENT-2		CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL				GOOD
		COMMENT: (WOMBWT, 05/26/2021)--COVER PLATES BROKEN OFF AT EDGE.						
BENT-4		CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL				GOOD
		COMMENT: (WOMBWT, 05/26/2021)--COVER PLATES BROKEN OFF AT EDGE.						
ABUTMENT-5		CLOSED EXPANSION JOINT	ELASTOMERIC	STRIP SEAL				GOOD
		COMMENT: (WOMBWT, 05/26/2021)--COVER PLATES BROKEN OFF AT EDGE.						

BANK/SLOPE PROTECTION COMPONENTS:

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
SLOPE PROTECTION	PLAIN CONCRETE	PAVEDSLOPE	BOTH	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>
UNDERMINING	BOTTOM		MODERATE	(METTEP, 10/12/2011)--NORTHEAST
UNDERMINING	BOTTOM		MODERATE	(METTEP, 10/12/2011)--SOUTHWEST
SLOPE PROTECTION	ROCK	GABIONS	NORTH	

*****DECK COMPONENTS*****

<u>SPAN TYPE-#</u>	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>COMMENTS</u>
APPROACH 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>
	EFFLORESCENCE	THROUGHOUT		LIGHT
	TRANSVERSE CRACKS	THROUGHOUT		FEW
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		LIGHT
	TRANSVERSE CRACKS	THROUGHOUT		FEW
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>
	EFFLORESCENCE	THROUGHOUT		LIGHT
	TRANSVERSE CRACKS	THROUGHOUT		FEW

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APPROACH SPANS-4	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 TRANSVERSE CRACKS		THROUGHOUT THROUGHOUT		LIGHT FEW		

SUPERSTRUCTURE COMPONENTS

<u>SERIES TYPE-#</u>	<u>SPAN TYPE</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>
APPROACH SERIES-1	SIMPLE SPAN	STEEL	PLATE GIRDERS		
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>	
APPROACH SPANS-1	COMPOSITE	36 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PACK RUST	AT JOINTS		HEAVY		(MADSEJ, 06/04/2021)--THE GIRDER 5 AND 6 PINPLATES ARE DISTORTED UP TO 1".
MAIN SERIES-2	CONTINUOUS SPAN	STEEL	PLATE GIRDERS		
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>	
MAIN SPANS-2	COMPOSITE	75 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-3	COMPOSITE	75 FT 0 IN	NO		(ZENTZA1, 01/31/2012)--GIRDERS 3, 7, AND 10 HEAT-STRAIGHTENED IN SPAN 3
APPROACH SERIES-3	SIMPLE SPAN	STEEL	PLATE GIRDERS		
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>	
APPROACH SPANS-4	COMPOSITE	36 FT 0 IN	NO		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FATIGUE CRACKS PACK RUST	PLUG WELD AT JOINTS		SMALL HEAVY		(MADSEJ, 06/04/2021)--GIRDER 1 WEST PINPLATE HAS 1 CRACKED PLUG WELD. (MADSEJ, 06/04/2021)--THE GIRDER 5 AND 6 PINPLATES ARE DISTORTED UP TO 1".

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	RA-27 DEGREES	84 FT 10 IN	REINFORCED CONCRETE	NON-INTEGRAL				
<u>ASSOCIATED COMPONENT</u>	<u>CONDITION</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BACKWALL		REINFORCED CONCRETE	CAST-IN-PLACE					
BEAM CAP	VERTICAL CRACKS	REINFORCED CONCRETE	CAST-IN-PLACE			FEW		
CURTAIN WALL	DELAMINATION PATCHES SEALED SPALLS VERTICAL CRACKS	REINFORCED CONCRETE	CAST-IN-PLACE			FEW LARGE URETHANE FEW FEW		
PILING		REINFORCED CONCRETE	CAST-IN-PLACE					

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					<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED BACK WINGS	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
WING PILES	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
EXPANSION BEARING	STEEL		ROCKER				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
BENT-2	RA-27 DEGREES	82 FT 9 IN	REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
DELAMINATION	THROUGHOUT				FEW		(WOMBWT, 05/26/2021)--WITH REBAR EXPOSURE.
COLUMN	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
FOOTING	REINFORCED CONCRETE		SPREAD				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
EXPANSION BEARING	STEEL		ROCKER				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
RUSTING	THROUGHOUT				LIGHT		
FIXED BEARING	STEEL		HANGER PLATE/PIN				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
PACK RUST	THROUGHOUT				MEDIUM		
BENT-3	RA-27 DEGREES	82 FT 9 IN	REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
SPALLS	THROUGHOUT				MINOR		(MARTER1, 10/12/2022)--WITH REBAR EXPOSURE
COLUMN	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
FOOTING	REINFORCED CONCRETE		SPREAD				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
FIXED BEARING	STEEL		PEDESTAL(ROTATING)				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
BENT-4	RA-27 DEGREES	82 FT 9 IN	REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>		<u>CONSTRUCTION</u>				
BEAM CAP	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
DELAMINATION	THROUGHOUT				MINOR		(WOMBWT, 05/26/2021)--WITH CRACKING.
COLUMN	REINFORCED CONCRETE		CAST-IN-PLACE				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
OTHER	THROUGHOUT				NOT APPLICABLE		(WOMBWT, 05/26/2021)--MINOR CRACKING.
FOOTING	REINFORCED CONCRETE		SPREAD				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
EXPANSION BEARING	STEEL		ROCKER				
<u>CONDITION</u>	<u>LOCATION 1</u>		<u>LOCATION 2</u>				
FIXED BEARING	STEEL		HANGER PLATE/PIN				



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ABUTMENT-5	RA-27 DEGREES	84 FT 10 IN	REINFORCED CONCRETE	NON-INTEGRAL	
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BACKWALL	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	THROUGHOUT		MINOR		
SPALLS	THROUGHOUT		MINOR		
VERTICAL CRACKS	THROUGHOUT		FEW		
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>
DELAMINATION	THROUGHOUT		LARGE		
PATCHES	THROUGHOUT		LARGE		
SEALED	BEAM CAP		URETHANE		
SPALLS	TOP		LARGE		
VERTICAL CRACKS	THROUGHOUT		FEW		
CURTAIN WALL	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>
PILING	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>
TURNED BACK WINGS	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>
WING PILES	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>
EXPANSION BEARING	STEEL	ROCKER			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
PACK RUST	THROUGHOUT		MEDIUM		

*****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>
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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>
1	US 36 E	2	1-WAY TRAF	30 FT 0 IN	8 FT 6 IN	4035
	<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>	
	ACTUAL	15 FT 5 IN		08/01/2007		

<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>
2	US 36 W	2	1-WAY TRAF	30 FT 0 IN	8 FT 6 IN	4036
	<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>	
	ACTUAL	15 FT 7 IN		08/01/2007		

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

CONDITION: FAIR RUST AMOUNT : 7 = .2% OF SURFACE RUSTED STEEL TONS : 174

<u>ORIGINAL PAINT</u>	<u>CONTRACT REPAINT</u>	<u>DEPARTMENT REPAINT</u>
PAINT TYPE :	PAINT TYPE : U SYSTEM	PAINT TYPE :
NAME :	NAME : CALCIUM SULPHONATE	NAME :
PAINT COLOR :	PAINT COLOR : GRAY	PAINT COLOR :
PAINT YEAR :	PAINT YEAR : 2001	PAINT YEAR :
MILS :	MILS : 8	MILS :
		MANUFACTURE :
		SURFACE PREP :

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

GENERAL WORK COMMENTS:

<u>RESPONSIBILITY</u>	<u>LOCATION</u>	<u>ITEM</u>	<u>CATEGORY</u>	<u>PRIORITY</u>	<u>DATE</u>	<u>WORK ITEM COMMENT</u>
DISTRICT ROUTINE	ROADWAY SURFACE	CLEAN AND FLUSH	DECK	2	04/03/2019	(MADSEJ, 05/05/2017)--CLEAN AND FLUSH OUT THE EXPANSION DEVICES
DISTRICT SPECIAL	ABUTMENT-CAPS	REPAIR BEAM CAP	SUBSTRUCTURE	2	04/03/2019	
DISTRICT SPECIAL	SEE COMMENT	MISCELLANEOUS	SUPERSTRUCTURE	2	09/29/2022	(MARTER1, 10/12/2022)--REPAIR PLUG WELDS AT BENT 2 & 4
DISTRICT ROUTINE	ROADWAY SURFACE	SEAL WITH SILANE	DECK	2	06/30/2027	

*****UTILITY ATTACHMENTS*****

<u>UTILITY</u>	<u>OWNER</u>	<u>METHOD</u>	<u>MEASUREMENT TYPE</u>	<u>VALUE</u>	<u>NUMBER</u>	<u>UTILITY ATTACHMENT COMMENT</u>
ELECTRIC		ENCASED	DIAMETER	2 IN	2	

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

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

DistrictAbbr = NE and Design_No = a2043 and StructureStateBridgeType = STATE SYSTEM BRIDGE



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

April 19, 2023
10:33:01AM

COUNTY: MACON

DISTRICT: NE

CLASS: STATBR

FED-ID: 1730

BRIDGE: A2043

*****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:	4-MEETS MINIMUM TOLERABLE	5/4/2021
[Item 68] Deck Geometry Rating:	9-SUPR TO PRES DESIRABLE	9/23/2002
[Item 69] Underclearance:	4-MEETS MINIMUM TOLERABLE	1/26/2022
Sufficiency Rating:	70.1%	2/22/2022
Deficiency:	STRUCTURAL	2/22/2022
Funding Eligibility:	PARTIAL	----
Estimated New Structure Length:	259 FT.	----
Estimated Structure Cost:	\$2,148,576	----
Estimated Total Project Cost:	\$3,222,864	----
Year of Cost Estimate:	2023	----

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*****

SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
1			

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

# OUTFALLS:	INSPECTOR:
STATUS:	DATE:
NOTES:	



COUNTY: MACON

DISTRICT: NE

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