



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

May 10, 2022
6:18:56AM

COUNTY: GASCONADE

DISTRICT: CD

CLASS: STATBR

FED-ID: 5214

BRIDGE: J0009

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

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

ROUTE: MO19S
FEATURE: FRENE CR
STATUS: A-OPEN
LOG MILE: 74.289
DETOUR: 18.00 MILES
NHS: NO
BUILT: 1930
REHAB:
LOCATION: S 25 T 46 R 5 W
LATITUDE: 38 42 8.43 (DMS)
LONGITUDE: 91 26 17.07 (DMS)

SPANS: 3
LANES ON: 2
LANES UNDER: 0
COMPASS DIRECTION: NORTH to SOUTH
DIRECTION OF TRAFFIC: 2-WAY TRAF
FUNCTIONAL CLASS: RL-MINOR ARTERIAL
NBI OWNER: MODOT
NBI MAINTAINED: MODOT
MAINTENANCE DISTRICT: CD
MAINTENANCE COUNTY: GASCONADE
SUB AREA: 7D20

PLACE CODE: 31762 HERMANN CITY
LENGTH: 118 FT 0 IN
MAXIMUM SPAN: 42 FT 6 IN
APPROACH ROADWAY: 20 FT 0 IN
CURB TO CURB: 20 FT 0 IN
OUT TO OUT: 33 FT 0 IN
AADT: 10002
AADT YEAR: 2021
AADT TRUCK: 8.6%
FUTURE AADT: 15003
FUTURE AADT YEAR: 2041

DATE: 11/12/2020 RESPONSIBILITY: DISTRICT
FREQUENCY: 24 CALCULATED INTERVAL**: 24
TEAM LEADER: ALAN TRAMPE ELEMENT: NO
INSPECTOR 2: INSPECTOR 4:
INSPECTOR 3:
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

GENERAL INSPECTION COMMENTS

(RAITHK, 12/22/2020)--STRIP AND REDO OVERLAY 10 YRS +

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

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

DATE: RESPONSIBILITY: CATEGORY:
FREQUENCY: CALCULATED INTERVAL**:
TEAM LEADER: INSPECTOR 3:
INSPECTOR 2: INSPECTOR 4:
** 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:
** 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: 11/13/2014 RESPONSIBILITY: DISTRICT CATEGORY: CHANNEL CROSS SEC'
FREQUENCY: 120 CALCULATED INTERVAL**:
TEAM LEADER: INSPECTOR 3: JEFF MADSEN NBI: NO
INSPECTOR 2: ALAN TRAMPE INSPECTOR 4: METHOD: WT TAPE
** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE: 11/12/2020 RESPONSIBILITY: DISTRICT CATEGORY: DRY
FREQUENCY: 60 CALCULATED INTERVAL**:
TEAM LEADER: ALAN TRAMPE INSPECTOR 3: NBI: NO
INSPECTOR 2: INSPECTOR 4: METHOD: VISUAL
** 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



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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, 05/28/2008)--(32'-42'-42') CONC DECK GDR SPANS

[ITEM 58] DECK: 7-GOOD CONDITION COMMENTS: (OTTINM, 01/16/2013)--CR - LE
RATING : 05/18/2001

[ITEM 59] SUPER: 6-SATISFACTORY CONDITION COMMENTS: (TRAMPA, 01/11/2017)--OPEN CRACKS; MINOR DELAM; SUPER SHIFTED;
RATING : 01/11/2017

[ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (OTTINM, 01/16/2013)--SPALL - MINOR AFFECT ON BRG.
RATING : 12/14/2009

[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE COMMENTS: (RAITHK, 12/22/2020)--MINOR MEANDERING; EROSION OF N BANK UNDER BRIDGE; ROCK INSTALLED NE AND SW SIDES 2020
RATING : 01/11/2017

[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED COMMENTS:
RATING : 05/18/2001
EVALUATION TYPE :

[ITEM 71] WATERWAY ADEQUACY: MINOR DELAYS APPRCH 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: DOESNT MEET CURRNT STND-0 RATING : 12/14/2009 COMMENTS:

<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
REINFORCED CONCRETE	BALUSTER	BOTH	(OTTINM, 12/11/2014)--COLLISION REP'D MOD.
REINFORCED CONCRETE	SIDEWALKS	BOTH	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>
SPALLS	THROUGHOUT		HEAVY

(ZENTZA1, 06/22/2010)--AT EDGES

[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0 RATING : 12/14/2009 COMMENTS:

[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0 RATING : 12/14/2009 COMMENTS:



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

[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0 RATING : 12/14/2009 COMMENTS:

<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
GALVANIZED STEEL	TURN DOWN SECTION > 45	NORTHWEST	
GALVANIZED STEEL	TURN DOWN SECTION > 45	SOUTHEAST	

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>
ASPHALT	BITUMINOUS MAT	BOTH		

*****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	ASPHALT	BITUMINOUS MAT	2.4 IN			FAIR
COMMENT: (MUSSED, 06/06/2002)--MAT RUTTING							
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>			
BREAKING UP	AT JOINTS		NOT APPLICABLE				
	DECK PROTECTION	NOTAPPLICABLE	NONE				
COMMENT:							
	MEMBRANE	LIQUID SEALANT	BUILT-UP				
COMMENT:							
	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED	2015	PAVON INDECK		
COMMENT:							

DRAINAGE COMPONENTS:

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
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>
ABUTMENT-1		OPEN EXPANSION JOINT	STEEL	ARMORED				
COMMENT:								
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>				
OTHER	THROUGHOUT		NOT APPLICABLE	(ZENTZA1, 06/22/2010)--COVERED WITH ASPHALT				

BANK/SLOPE PROTECTION COMPONENTS:

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
BANK PROTECTION	ROCK	BLANKET	BOTH	(MUSSED, 06/06/2002)--STREAM CHANNEL - MINOR MEANDERING



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May 10, 2022
6:18:56AM

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*****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>
EFFLORESCENCE		THROUGHOUT		LIGHT		
LEACHING		EDGE		MINOR		
LONGITUDINAL CRACKS		EDGE		MINOR		
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		RANDOM		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>
DIAGONAL CRACKS		RANDOM		FEW		
EFFLORESCENCE		THROUGHOUT		LIGHT		

*****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	SIMPLE SPAN	REINFORCED CONCRETE	DECK GIR			
<u>SPAN</u>	<u>COMPOSITE INDICATOR</u>	<u>LENGTH</u>	<u>WEATHERING STEEL</u>	<u>COMMENTS</u>		
MAIN SPANS-1	COMPOSITE	32 FT 6 IN	NO	(MUSSED, 06/06/2002)--SUPERSTRUCTURE HAS MOVED 2" OUT OF TRAFFIC		
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DETERIORATION		DIAPHRAGMS		MINOR		
SPALLS		GIRDERS		MINOR		(MUSSED, 06/06/2002)--DECK GIRDER ENDS SPALLED AND CRACKED BEHIND BEARINGS
VERTICAL CRACKS		DIAPHRAGMS		MINOR		
VERTICAL CRACKS		GIRDERS		MINOR		
MAIN SPANS-2	COMPOSITE	42 FT 6 IN	NO	(OTTINM, 01/28/2013)--MINOR LATERAL MOVEMENT OVER BENTS		
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATION		GIRDERS		MINOR		
DETERIORATION		GIRDERS		MINOR		
HIGH STEEL SPALLS		DIAPHRAGMS		FEW		
LONGITUDINAL CRACKS		GIRDERS		OPEN		(OTTINM, 01/28/2013)--CRACKS AT DIAPH JOINTS
RUST STAINS		EXTERIOR GIRDERS		FEW		
VERTICAL CRACKS		DIAPHRAGMS		MINOR		
VERTICAL CRACKS		GIRDERS		MINOR		
MAIN SPANS-3	COMPOSITE	42 FT 6 IN	NO	(OTTINM, 01/28/2013)--MINOR LATERAL MOVEMENT OVER BENTS.		
<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
SPALLS		GIRDERS		MINOR		
VERTICAL CRACKS		DIAPHRAGMS		MINOR		(OTTINM, 01/28/2013)--CRACKS AT JOINT
VERTICAL CRACKS		GIRDERS		MINOR		

*****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	LA-27 DEGREES	36 FT 5 IN	REINFORCED CONCRETE	OPEN CONCRETE		

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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>
HIGH STEEL SPALLS	RANDOM		FEW		
COLUMN	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>
STRAIGHT 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>
FOOTING	REINFORCED CONCRETE	TIMBER PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</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>
EXPANSION BEARING	BRONZE	SLIDING CURVED/FLAT PL			
<u>CONDITION</u>	<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>
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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>
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<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>
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*****STRUCTURE PAINT INFORMATION*****

CONDITION:	RUST AMOUNT :	STEEL TONS : 0
<u>ORIGINAL PAINT</u>	<u>CONTRACT REPAINT</u>	<u>DEPARTMENT REPAINT</u>
PAIN T TYPE :	PAIN T TYPE :	PAIN T TYPE :
NAME :	NAME :	NAME :
PAIN T COLOR :	PAIN T COLOR :	PAIN T COLOR :
PAIN T YEAR :	PAIN T YEAR :	PAIN T YEAR :
MIL S :	MIL S :	MIL S :
		MANUFACTURE :
		SURFACE PREP :

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

GENERAL WORK COMMENTS:

<i>RESPONSIBILITY</i>	<i>LOCATION</i>	<i>ITEM</i>	<i>CATEGORY</i>	<i>PRIORITY</i>	<i>DATE</i>	<i>WORK ITEM COMMENT</i>
REGIONAL	BENT-CAPS	REPAIR BEARING SEAT	SUBSTRUCTURE	3	10/06/2005	
DISTRICT SPECIAL	ROADWAY SURFACE	SEAL DECK WITH IN DECK	DECK	3	07/22/2018	
REGIONAL	SOUTH	REPAIR CONCRETE	SIDEWALK	3	11/12/2020	

*****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>
WATER		HANGER			2	

*****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	3/21/2002
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	3/21/2002
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001
Sufficiency Rating:	47.9%	1/26/2022
Deficiency:	FUNCTIONAL	3/21/2002
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*****

<u>SIGN #</u>	<u>SIGN TYPE</u>	<u>PROBLEM</u>	<u>PROBLEM DIRECTION</u>
1			

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

# OUTFALLS:	INSPECTOR:
STATUS:	DATE:
NOTES:	



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