



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

November 21, 2024  
1:17:31PM

COUNTY: CAPE GIRARDEAU

DISTRICT: SE

CLASS: STATBR

FED-ID: 5564

BRIDGE: J0883

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

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

ROUTE: MO34E  
FEATURE: DILLARD CR  
STATUS: P-POSTLOAD  
LOG MILE: 81.239  
DETOUR: 24.00 MILES  
NHS: YES  
BUILT: 1932  
REHAB:  
LOCATION: S 16 T 31 R 11 E  
LATITUDE: 37 21 27.06 (DMS)  
LONGITUDE: 89 50 23.11 (DMS)

# SPANS: 3  
LANES ON: 2  
LANES UNDER: 0  
COMPASS DIRECTION: WEST to EAST  
DIRECTION OF TRAFFIC: 2-WAY TRAF  
FUNCTIONAL CLASS: RL-PRINCIPAL ARTERIAL  
NBI OWNER: MODOT  
NBI MAINTAINED: MODOT  
MAINTENANCE DISTRICT: SE  
MAINTENANCE COUNTY: CAPE GIRARDEAU  
SUB AREA: 7H30

PLACE CODE: 38702 KINDER  
LENGTH: 98 FT 0 IN  
MAXIMUM SPAN: 32 FT 6 IN  
APPROACH ROADWAY: 23 FT 0 IN  
CURB TO CURB: 24 FT 0 IN  
OUT TO OUT: 27 FT 0 IN  
AADT: 4362  
AADT YEAR: 2023  
AADT TRUCK: 7.0%  
FUTURE AADT: 8506  
FUTURE AADT YEAR: 2043

DATE: 11/07/2023      RESPONSIBILITY: DISTRICT  
FREQUENCY: 24      CALCULATED INTERVAL\*\*: 24  
TEAM LEADER: ZACHARY LEE      ELEMENT: YES  
INSPECTOR 2:      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: 07/30/2024      RESPONSIBILITY: DISTRICT      CATEGORY: CHANNEL CROSS SEC'  
FREQUENCY: 120      CALCULATED INTERVAL\*\*: 122      NBI: NO  
TEAM LEADER: JERROD JERNIGAN      INSPECTOR 3:      METHOD:  
INSPECTOR 2:      INSPECTOR 4:  
\*\* When calculated interval exceeds the frequency, a justification comment per BIRM is required.

DATE: 11/07/2023      RESPONSIBILITY: DISTRICT      CATEGORY: DRY  
FREQUENCY: 60      CALCULATED INTERVAL\*\*: 24      NBI: NO  
TEAM LEADER: ZACHARY LEE      INSPECTOR 3:      METHOD: VISUAL  
INSPECTOR 2:      INSPECTOR 4:  
\*\* 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
02/28/2018	999	QUALITY ASSURANCE	NO		BRIDGEDIV	
05/15/2017	999	DAMAGE POST INCIDENT	NO		DISTRICT	

DATE	FREQUENCY	CATEGORY	NBI	CALCULATED INTERVAL	RESPONSIBILITY	METHOD
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\*\*\*STRUCTURE POSTING\*\*\*

APPROVED CATEGORY: S-9      6 AXLE TRUCKS OVER 38 TONS 15 MPH ON BRIDGE.  
 Ton 1: 38      Ton 2:      Ton 3:  
 COMMENTS:

FIELD CATEGORY: S-9      6 AXLE TRUCKS OVER 38 TONS 15 MPH ON BRIDGE.  
 Ton 1: 38      Ton 2:      Ton 3:      PROBLEM:      PROBLEM DIRECTION:  
 COMMENTS:

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

GENERAL COMMENTS: (BOWDEJ1, 09/10/2008)--(32'-32'-32') SMP WF GDR SPANS

[ITEM 58] DECK: 5-FAIR CONDITION      COMMENTS: (BLALOR1, 11/19/2013)--MOD EDGE DETER  
 RATING : 12/05/2011      (RAITHK, 03/05/2018)--30% SATURATION IN ALL SPANS

[ITEM 59] SUPER: 4-POOR CONDITION      COMMENTS: (BLALOR1, 11/19/2013)--INT SEC LOSS TOP FLG  
 RATING : 11/25/2019      (ROBINC3, 11/25/2019)--SATURATION

[ITEM 60] SUB: 4-POOR CONDITION      COMMENTS: (BLALOR1, 11/19/2013)--SPALLS  
 RATING : 11/19/2021      (RAITHK, 03/05/2018)--DELAMS

[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE      COMMENTS: (BLALOR1, 12/03/2013)--MINOR ERODING OF STREAM BANK  
 RATING : 02/05/2004

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

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

[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY      COMMENTS:  
 RATING : 05/18/2001

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

[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0      RATING : 02/05/2004      COMMENTS:

<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
REINFORCED CONCRETE	BALUSTER	BOTH	
REINFORCED CONCRETE	CURB	BOTH	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>
TRANSVERSE CRACKS	THROUGHOUT		MINOR

(SHUNAT1, 04/03/2018)--W/ EFF

[ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1      RATING : 08/31/2015      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:



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

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1      RATING : 08/31/2015      COMMENTS:

<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
GALVANIZED STEEL	OTHER	ALL	

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	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>
MAIN SERIES-1	WEARING SURFACE	ASPHALT	BITUMINOUS MAT	1 IN	2015		FAIR

COMMENT:

DECK PROTECTION	NOTAPPLICABLE	NONE
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COMMENT:

MEMBRANE	NOTAPPLICABLE	NONE
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COMMENT:

**DRAINAGE COMPONENTS:**

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
DRAINAGE	REINFORCED CONCRETE	CURB OUTLET		

**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	FELT	FILLED JOINT				

COMMENT:

ABUTMENT-4		CLOSED EXPANSION JOINT	FELT	FILLED JOINT				
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COMMENT:

**BANK/SLOPE PROTECTION COMPONENTS:**

<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>
BANK PROTECTION	ROCK	BLANKET	EAST	
BANK PROTECTION	ROCK	GROUTED	WEST	

**\*\*\*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>
	BOLTED DELAMINATION	TOP FLANGE AT JOINTS		ALL GIRDERS MINOR

Design\_No = j0883



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DETERIORATION	EDGE	MODERATE		
EFFLORESCENCE	THROUGHOUT	MEDIUM		
LONGITUDINAL CRACKS	RANDOM	MINOR		
SATURATION	THROUGHOUT	MODERATE	30 %	
TRANSVERSE CRACKS	THROUGHOUT	MEDIUM		(ROBINC3, 12/16/2019)--W/ RUST STAINS & EFFLO

<i>MAIN SPANS-2</i>	<i>DECK</i>	<i>REINFORCED CONCRETE</i>	<i>CAST-IN-PLACE</i>		
<b><u>CONDITION</u></b>	<b><u>LOCATION 1</u></b>	<b><u>LOCATION 2</u></b>	<b><u>SEVERITY</u></b>	<b><u>MEASUREMENT</u></b>	<b><u>COMMENT</u></b>
BOLTED	TOP FLANGE		ALL GIRDERS		
DELAMINATION	RANDOM		MINOR		
DETERIORATION	EDGE		MODERATE		
EFFLORESCENCE	THROUGHOUT		MEDIUM		
SATURATION	THROUGHOUT		MODERATE	45 %	
SPALLS	RANDOM		MINOR		(SHUNAT1, 04/03/2018)--W/ REBAR EXPOSED
TRANSVERSE CRACKS	THROUGHOUT		MEDIUM		(ROBINC3, 12/16/2019)--W/ RUST STAINS & EFFLO

<i>MAIN SPANS-3</i>	<i>DECK</i>	<i>REINFORCED CONCRETE</i>	<i>CAST-IN-PLACE</i>		
<b><u>CONDITION</u></b>	<b><u>LOCATION 1</u></b>	<b><u>LOCATION 2</u></b>	<b><u>SEVERITY</u></b>	<b><u>MEASUREMENT</u></b>	<b><u>COMMENT</u></b>
BOLTED	TOP FLANGE		ALL GIRDERS		
DELAMINATION	RANDOM		MINOR		
DETERIORATION	EDGE		MODERATE		
EFFLORESCENCE	THROUGHOUT		MEDIUM		
HAIR LINE CRACKING	AT JOINTS		MEDIUM		
LONGITUDINAL CRACKS	EDGE		MINOR		(SHUNAT1, 04/03/2018)--W/ EFF
SATURATION	THROUGHOUT		MODERATE	45 %	
TRANSVERSE CRACKS	THROUGHOUT		MEDIUM		(SHUNAT1, 04/03/2018)--W/ RUST STAINS

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

<b><u>SERIES TYPE-#</u></b>	<b><u>SPAN TYPE</u></b>	<b><u>MATERIAL</u></b>	<b><u>CONSTRUCTION</u></b>	<b><u>LABEL</u></b>	<b><u>COMMENTS</u></b>
<i>MAIN SERIES-1</i>	<i>SIMPLE SPAN</i>	<i>STEEL</i>	<i>WIDE FLANGE GIRDERS</i>		<i>(REHAGM, 03/17/2004)--DECK BOLTED</i>
<b><u>SPAN</u></b>	<b><u>COMPOSITE INDICATOR</u></b>	<b><u>LENGTH</u></b>	<b><u>WEATHERING STEEL</u></b>	<b><u>COMMENTS</u></b>	
MAIN SPANS-1	NON-COMPOSITE	32 FT 6 IN	NO		
<b><u>CONDITION</u></b>	<b><u>LOCATION 1</u></b>	<b><u>LOCATION 2</u></b>	<b><u>SEVERITY</u></b>	<b><u>MEASUREMENT</u></b>	<b><u>COMMENT</u></b>
PACK RUST	TOP FLANGE		MODERATE		
RUSTING	THROUGHOUT		MODERATE		
SECTION LOSS	TOP FLANGE		INITIAL		(CHAPMM1, 11/13/2023)--ALL GIRDERS
MAIN SPANS-2	NON-COMPOSITE	32 FT 6 IN	NO		
<b><u>CONDITION</u></b>	<b><u>LOCATION 1</u></b>	<b><u>LOCATION 2</u></b>	<b><u>SEVERITY</u></b>	<b><u>MEASUREMENT</u></b>	<b><u>COMMENT</u></b>
OTHER	RANDOM		NOT APPLICABLE		(CHAPMM1, 11/13/2023)--PUMPING RUST MINOR
PACK RUST	TOP FLANGE		MODERATE		
RUSTING	ENDS		MODERATE		
SECTION LOSS	TOP FLANGE		INITIAL		(CHAPMM1, 11/13/2023)--ALL GIRDERS
MAIN SPANS-3	NON-COMPOSITE	32 FT 6 IN	NO	(RAITHK, 03/05/2018)--OPEN JOINT @ BENT 3	
<b><u>CONDITION</u></b>	<b><u>LOCATION 1</u></b>	<b><u>LOCATION 2</u></b>	<b><u>SEVERITY</u></b>	<b><u>MEASUREMENT</u></b>	<b><u>COMMENT</u></b>
PACK RUST	TOP FLANGE		MODERATE		
RUSTING	ENDS		MINOR		
SECTION LOSS	TOP FLANGE		INITIAL		(CHAPMM1, 11/13/2023)--ALL GIRDERS



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\*\*\*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-35 DEGREES	40 FT 1 IN	REINFORCED CONCRETE	OPEN CONCRETE		
	<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			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>
	HORIZONTAL CRACKS		THROUGHOUT		MEDIUM	
	REBAR EXPOSED		THROUGHOUT		FEW	
	SPALLS		THROUGHOUT		MANY	
	VERTICAL CRACKS		THROUGHOUT		MINOR	
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>
FOOTING			REINFORCED CONCRETE	SPREAD		
	<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>
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		RANDOM		MINOR	
	LEACHING		RANDOM		MINOR	
	VERTICAL CRACKS		RANDOM		MINOR	
FIXED BEARING			STEEL	FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	PACK RUST		THROUGHOUT		MODERATE	
BENT-2	RA-35 DEGREES	30 FT 2 IN	REINFORCED CONCRETE	MULTIPLE COLUMN		
	<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			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		MODERATE	
	HORIZONTAL CRACKS		THROUGHOUT		MANY	(SHUNAT1, 04/03/2018)--W/ EFF
	MAP CRACKS		ENDS		MANY	(ROBINC3, 12/16/2019)--W/EFFLO
	REBAR EXPOSED		THROUGHOUT		MODERATE	(BRAWLK1, 11/19/2021)--WITH MOD SECTION LOSS
	SPALLS		THROUGHOUT		MEDIUM	
	VERTICAL CRACKS		ENDS		MODERATE	(SHUNAT1, 04/03/2018)--W/ EFF
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>
	REBAR EXPOSED		GROUND LINE		MODERATE	
	SCALING		THROUGHOUT		MODERATE	
	SPALLS		AT COLUMNS		MINOR	
FOOTING			REINFORCED CONCRETE	SPREAD		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	EXPOSED		AT COLUMNS		2.5 FT	
FIXED BEARING			STEEL	FLAT PLATE		
	<u>CONDITION</u>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u> <u>COMMENT</u>
	PACK RUST		THROUGHOUT		MODERATE	
	RUSTING		THROUGHOUT		MINOR	
BENT-3	RA-35 DEGREES	30 FT 2 IN	REINFORCED CONCRETE	MULTIPLE COLUMN		



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<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>
	DELAMINATION	THROUGHOUT		MINOR		
	HORIZONTAL CRACKS	THROUGHOUT		MINOR		(CHAPMM1, 11/13/2023)--W/EFFLO
	REBAR EXPOSED	THROUGHOUT		MINOR		(CHAPMM1, 11/13/2023)--MINOR SECTION LOSS
	SPALLS	THROUGHOUT		MINOR		
	VERTICAL CRACKS	ENDS		MODERATE		
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>
	DELAMINATION	RANDOM		MINOR		
	REBAR EXPOSED	THROUGHOUT		MINOR		
	SCALING	THROUGHOUT		MODERATE		
	SPALLS	THROUGHOUT		MEDIUM		
	VERTICAL CRACKS	THROUGHOUT		MINOR		
FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	EXPOSED	THROUGHOUT		MODERATE		
	SCALING	THROUGHOUT		MODERATE		
FIXED BEARING		STEEL	FLAT PLATE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	PACK RUST	THROUGHOUT		MODERATE		
ABUTMENT-4	RA-35 DEGREES	40 FT 1 IN	REINFORCED CONCRETE	OPEN CONCRETE		
	<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>
	DELAMINATION	THROUGHOUT		MODERATE		
	HORIZONTAL CRACKS	THROUGHOUT		MEDIUM		
	REBAR EXPOSED	THROUGHOUT		MODERATE		(CHAPMM1, 11/13/2023)--MINOR SECTION LOSS
	SPALLS	THROUGHOUT		MODERATE		
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>
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>
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>
FIXED BEARING		STEEL	FLAT PLATE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	PACK RUST	THROUGHOUT		MODERATE		
	RUSTING	THROUGHOUT		MODERATE		

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

<u>CLEARANCES OVER DECK</u>	<u>**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.</u>			
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>



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

November 21, 2024  
1:17:31PM

COUNTY: CAPE GIRARDEAU

DISTRICT: SE

CLASS: STATBR

FED-ID: 5564

BRIDGE: J0883

**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***						

CONDITION: FAIR      RUST AMOUNT : 8=.1% OF SURFACE RUSTED      STEEL TONS : 19

<u>ORIGINAL PAINT</u>	<u>CONTRACT REPAINT</u>	<u>DEPARTMENT REPAINT</u>
PAINT TYPE :	PAINT TYPE :	PAINT TYPE : S SYSTEM
NAME :	NAME :	NAME : CAL SULPH/LEAD PAINT
PAINT COLOR :	PAINT COLOR :	PAINT COLOR : GRAY
PAINT YEAR :	PAINT YEAR :	PAINT YEAR : 2000
MILS :	MILS :	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	SEAL JTS - RODS/HOT POUR	DECK	3	02/28/2018	
DISTRICT SPECIAL	BENT-CAPS	REPAIR BEAM CAP	SUBSTRUCTURE	3	02/28/2018	

**\*\*\*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>

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

<u>YEAR</u>	<u>PROJECT #</u>	<u>MONTH LET</u>	<u>YEAR LET</u>	<u>ITEMS</u>	<u>COMMENT</u>
2026	9P3812	0	2026	REPLACE BRIDGE	

Design\_No = j0883



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

November 21, 2024  
1:17:31PM

COUNTY: CAPE GIRARDEAU

DISTRICT: SE

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FED-ID: 5564

BRIDGE: J0883

**\*\*\*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	2/21/2020
[Item 68] Deck Geometry Rating:	2-BASICALLY INTOLRBLE REQ	5/18/2001
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001
Sufficiency Rating:	15.0%	2/21/2020
Deficiency:	STRUCTURAL	11/26/2019
Funding Eligibility:	FULL	----
Estimated New Structure Length:	128 FT.	----
Estimated Structure Cost:	\$895,872	----
Estimated Total Project Cost:	\$1,343,808	----
Year of Cost Estimate:	2024	----

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: 2                                  INSPECTOR: ZACHARY LEE  
 STATUS: PASS                                      DATE: 11/07/2023  
 NOTES:





**Missouri Department of Transportation  
Bridge Inventory and Inspection System  
Structural Inventory & Appraisal Sheet**

November 21, 2024  
1:15:50pm

COUNTY : CAPE GIRARDEAU	BRIDGE : J0883 1	REVIEW STATUS : APPROVED	NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT		RUN DATE : 8/23/2024	SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION	ROUTE DESIGNATION INFORMATION
1 State MISSOURI	5A Record Type ROUTE CARRIED 'ON' STRUCT
2 District SE	5B Route Signing Prefix MO
3 County CAPE GIRARDEAU	5C Designated Level of Service MAINLINE
8 Federal ID No. 5564	5D Route Number 00034
27 Year Built 1932	5E Directional Suffix NOT APPLICABLE
106 Year Reconstructed 0	7 Facility Carried MO 34 E
42A Type of Service On HIGHWAY	12 Base Hwy. Network YES
21 Structure Maintenance STATE HIGHWAY AGENCY	13A LRS Inventory Route No. 0000001028
22 Structure Owner STATE HIGHWAY AGENCY	13B Subroute No. 00
33 Br. Median Code NO MEDIAN	20 Toll Status ON FREE ROAD
37 Historical Significance NOT ELIGIBLE FOR NR OF HP	26 Functional Classification 02-RU PRINCPL ARTRIAL-OTH
101 Parallel Struc Desg NONE EXISTS	28A Lanes on Structure 02
103 Temporary Structure NOT TEMPORARY	100 STRAHNET Designation RTE NOT A DEFENSE HWY
112 NBIS Bridge Length YES	104 National Highway System ON NHS
	105 Federal Lands Highway NOT APPLICABLE
	110 Designated Nat. Network NO

STRUCTURE LOCATION INFORMATION	STRUCTURE TRAFFIC INFORMATION
4 Place KINDER	29 AADT 4362
Code 38702	30 AADT Year 2023
9 Location S 16 T 31 N R 11 E	102 Direction of Traffic 2-WAY TRAFFIC
11 Milepoint 81.71 miles	109 AADT Truck Percent 7%
16 Latitude 37 D 21 M 27 S	114 Future AADT 8506
17 Longitude 89 D 50 M 23 S	115 Future AADT Year 2043

UNDERRECORD INFORMATION	STRUCTURE GEOMETRIC INFORMATION
6 Features Intersected DILLARD CR	10 Inventory Rte. Vert. Clear 99 Ft. 99 In.
42B Type of Service Under WATERWAY	19 By pass Detour Length 24.38 miles
28B Lanes Under Structure 00	32 Approach Roadway Width 22 Ft. 12 In.
54A Vert. Clearance Ref. N/A	34 Skew 35.00 Degrees
54B Vert. Clearance 0 Ft. 0 In.	35 Struct. Flared NO
55A Rt. Lat Clear Ref. N/A	47 Total Horiz. Clear 23 Ft. 11 In.
55B Rt. Lat Clearance 0 Ft. 0 In.	48 Maximum Span Length 32 Ft. 6 In.
56 Left Lat Clearance 0 Ft. 0 In.	49 Structure Length 98 Ft. 1 In.
38 Navigation Control PERMIT NOT REQ	50A Left Curb/Sidewalk Width 0 Ft. 0 In.
39 Nav Vertical Clear 0 Ft. 0 In.	50B Right Curb/Sidewalk Width 0 Ft. 0 In.
40 Nav Horizontal Clear 0 Ft. 0 In.	51 Curb to Curb Br. Width 23 Ft. 11 In.
111 Nav. Pier Protection	52 Deck Width (Out-Out) 26 Ft. 11 In.
116 Nav. Cl. Vert. Clear	53 Vert. Clearance Over Deck 99 Ft. 99 In.

Design\_No = j0883 and Inventory\_Appraisal\_Submittal\_Year = 2024



**Missouri Department of Transportation  
Bridge Inventory and Inspection System  
Structural Inventory & Appraisal Sheet**

November 21, 2024  
1:15:50pm

COUNTY : CAPE GIRARDEAU	BRIDGE : J0883 1	REVIEW STATUS : APPROVED	NBI STATUS : T
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT		RUN DATE : 8/23/2024	SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION																																																						
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Design\_No = j0883 and Inventory\_Appraisal\_Submittal\_Year = 2024

Bridge Number:

J0883R1

Route/County:

34 / Cape Girardeau

Asbestos-Containing Material Present?

Yes:

No:

If yes, see report for location(s).

Structural Steel Present?

Yes:

No:

If No, then skip the following.

Lead-Based Paint (LBP) Present?

Yes:

No:

Trusses LBP?

Yes:  No:

Girder LBP?

Yes:  No:

Railing LBP?

Yes:  No:

Pile LBP?

Yes:  No:



## MEMORANDUM

Missouri Department of Transportation  
Construction and Materials  
Central Laboratory

---

**TO:** TMS  
**FROM:** Leonard Vader *Leonard Vader*  
Environmental Chemist  
**DATE:** March 7, 2018  
**SUBJECT:** Materials  
Asbestos Inspection & Heavy Metal Paint Survey  
Route 34  
Bridge J-0883R1  
Cape Girardeau County

We are providing you with the results of the inspection on the above referenced bridge. The inspection report contains an asbestos and a heavy metals survey. The asbestos inspection included identifying suspect asbestos-containing material and NVLAP accredited testing to confirm the presence of asbestos.

Form T746 – This will show if samples were taken, where from, and, if the sample was found to contain asbestos, our estimated quantity of material present. Under the column “Friability Category” this is the meaning for the following:

N-ACM – No asbestos detected.

I NF – Asbestos is present. Material shall be handled carefully by a licensed abatement worker and kept wet if removing as part of a maintenance activity.

II NF – Asbestos is present. If removal is required for the maintenance activity, use an abatement contractor.

In accordance with Missouri Department of Natural Resources’ Technical Bulletin “Managing Construction and Demolition Waste” dated January 31, 2003, a heavy metal paint survey has been performed on the above referenced culvert. This survey includes locating concrete which has been painted with something other than traffic paint or graffiti, and testing the painted surface(s) to determine if hazardous heavy metals are present. If the culvert is being removed completely, or the maintenance repairs include removing the painted concrete, then, non-hazardous painted concrete may be used as clean fill materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling all accessible areas, it is possible that potentially hidden asbestos-containing materials may exist within the structure. Should you have any questions regarding these reports, please contact me at (573) 751-1046.

rm/lv/db

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared documents/asbestos/districts/southeast \(se\)/mt/j0883r1/j0883r1 asbestos cover letter.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared%20documents/asbestos/districts/southeast%20(se)/mt/j0883r1/j0883r1%20asbestos%20cover%20letter.docx)

Attachments

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Asbestos Survey Report  
All Suspect ACM

RM *RM* *ZV*

ROUTE: 34 SURVEYED BY: Robert Marshall and Leonard Vader  
 MODOT JOB NO: N/A CERTIFICATION #: 7119101817MOIR18860, R.M.  
 DISTRICT: SE CERTIFICATION #: 7119101817MOIR2672, L.V.  
 COUNTY: Cape Girardeau SITE ADDRESS: Over Dillard Creek  
 DATE OF SURVEY: February 28, 2018 TYPE(S) OF STRUCTURE(S): Bridge  
 PARCEL NO.: Bridge J-0883R1

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
18MLAV 074	Asphalt Joint Material	4-Wall and I-Deck	N-ACM	
18MLAV 075	Asphalt Joint Material	4-Wingwall	INF	4 Sq. Ft.
18MLAV 076	Asphalt Joint Material	12-Wall	N-ACM	
	Bridge Paint is not a suspect ACM per MSDS's on file.			

N-ACM = Non-Asbestos Containing Material    INF = Category I Nonfriable    II NF = Category II Nonfriable    F = Friable  
 NAFC = No Asbestos Fiber Detected    \* = Tested By Point Count Procedure

**MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS**

**Asbestos Survey Report**  
**Nonfriable Asbestos-Containing Materials**  
 (Abatement not required if not made friable during demolition.)

<b>ROUTE:</b>	34	<b>TESTED BY:</b>	Leonard Vader
<b>MODOT JOB NO.:</b>	N/A	<b>CERTIFICATION #:</b>	7119101817MOIR2672
<b>DISTRICT:</b>	SE	<b>SITE ADDRESS:</b>	Over Dillard Creek
<b>COUNTY:</b>	Cape Girardeau	<b>TYPE(S) OF STRUCTURE(S):</b>	Bridge
<b>DATE OF TESTS:</b>	March 12, 2018		
<b>PARCEL NO.:</b>	Bridge J-0883R1		

Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
18MLAV 075	Asphalt Joint Material	4-Wingwall	INF	4 Sq. Ft.	Chrysotile	1-3%

All necessary work to handle this material is the contractor's responsibility.

INF = Category I Nonfriable

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

Asbestos Survey Report

All materials requiring removal or special handling.

*W*

ROUTE: 34  
 MODOT JOB NO.: N/A  
 DISTRICT: SE  
 COUNTY: Cape Girardeau  
 DATE OF TESTS: March 12, 2018  
 PARCEL NO.: Bridge J-0883R1

TESTED BY: Leonard Vader  
 CERTIFICATION #: 7119101817MOIR2672  
 SITE ADDRESS: Over Dillard Creek  
 TYPE(S) OF STRUCTURE(S): Bridge

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
			None Located	II NF			
			None Located	F			

II NF = Category I Nonfriable      II NF = Category II Nonfriable      F = Friable      \* = Tested By Point Count Procedure

**MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes**

<b>ROUTE:</b>	34	<b>TESTED BY:</b>	N/A
<b>MODOT JOB NO.:</b>	N/A	<b>DATE OF TESTS:</b>	N/A
<b>DISTRICT:</b>	SE	<b>PARCEL NO.:</b>	Bridge J-0883R1
<b>COUNTY:</b>	Cape Girardeau	<b>SITE ADDRESS:</b>	Over Dillard Creek
<b>SURVEYED BY:</b>	Robert Marshall <i>RM</i>	<b>TYPE(S) OF STRUCTURE(S):</b>	Bridge
<b>DATE OF SURVEY:</b>	February 28, 2018		

Sample ID	Color/Location of Material/Substrate	Metals (ppm)							
		As	Cr	Pb	Cd	Se	Ba	Hg	Ag
	No samples taken. No painted surfaces located.								

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050  
b = USEPA SW-846 Method 7471





# MEMORANDUM

## Missouri Department of Transportation Construction and Materials Central Laboratory

**TO:** TMS

**FROM:** Robert Marshall *RM*  
Environmental Chemist, Lead License #161121-300005166

**DATE:** March 16, 2018

**SUBJECT:** Materials  
Job No. N/A  
Route 34/Cape Girardeau County  
Bridge J-0883R1

On February 28, 2018, a Lead Based Paint (LBP) survey was performed on the subject bridge. The following result shows the existing paint system is not LBP:

	<b>Girder</b>
	<b>18MRSM111</b>
Lead (Pb)	0.44 mg/cm <sup>2</sup> (Negative)

In addition, a heavy metals screening was also performed on the painted structural steel. The following results are for informational purposes only:

	<b>Girder</b>
	<b>18MRSM110</b>
Arsenic (As)	<LOD *
Chromium (Cr)	<LOD
Lead (Pb)	294 ppm **
Cadmium (Cd)	<LOD
Selenium (Se)	<LOD
Barium (Ba)	42924 ppm
Mercury (Hg)	<LOD
Silver (Ag)	<LOD

\*< LOD = below the detection limit of the instrument

\*\*ppm = parts per million

Should any further screenings be required, please contact Todd Bennett, Chemical Laboratory Director, at (573) 751-1045.

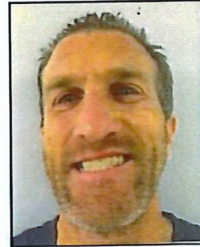
Should you have any questions regarding the screenings, feel free to call me at (573) 751-9252.

rm/lv/db

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared documents/asbestos/districts/southeast \(se\)/mt/j0883r1/j0883r1 lbp letter.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared%20documents/asbestos/districts/southeast%20(se)/mt/j0883r1/j0883r1%20lbp%20letter.docx)

CERTIFICATION NUMBER:  
**7119101817MOIR18860**

THIS CERTIFIES  
**Robert S Marshall**  
HAS COMPLETED THE CERTIFICATION  
REQUIREMENTS FOR  
**Inspector**

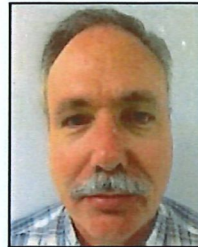


APPROVED: **10/23/2017**  
EXPIRES: **10/23/2018**

TRAINING DATE: **10/18/2017**  
*Kyra L Moore*  
Director of Air Pollution Control Program

CERTIFICATION NUMBER:  
**7119101817MOIR2672**

THIS CERTIFIES  
**Leonard A. Vader**  
HAS COMPLETED THE CERTIFICATION  
REQUIREMENTS FOR  
**Inspector**



APPROVED: **10/23/2017**  
EXPIRES: **10/23/2018**

TRAINING DATE: **10/18/2017**  
*Kyra L Moore*  
Director of Air Pollution Control Program