

Bridge Number:

N0254R1

JJ/Merced

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:** Frank Reichart   
Environmental Chemist

**DATE:** October 7, 2015

**SUBJECT:** Materials  
Asbestos Inspection & Heavy Metal Paint Survey  
Route JJ  
Bridge N-0254R1  
Mercer 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 bridge. 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 bridge 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) 526-4359.

db/fr/dr

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared  
documents/asbestos/districts/northwest \(nw\)/mt/n0254r1/dr15100715.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/northwest(nw)/mt/n0254r1/dr15100715.docx)  
Attachments

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

ROUTE:	JJ
MODOT JOB NO.:	N/A
DISTRICT:	NW
COUNTY:	Mercer
DATE OF SURVEY:	October 7, 2015
PARCEL NO.:	Bridge N-0254R1

**SURVEYED BY:** Frank Reichart and Diane Roegege  
**CERTIFICATION #:** 7118110514MOIR11239, F.R.  
**CERTIFICATION #:** 7118110514MOIR7165, D.R.  
**SITE ADDRESS:** Over West Fork Honey Creek  
**TYPE(S) OF STRUCTURE(S):** Bridge

[illegible]

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

# Asbestos Survey Report

## Nonfriable Asbestos-Containing Materials

**(Abatement not required if not made friable during demolition.)**

**ROUTE:** JJ

**MODOT JOB NO.:**

**DISTRICT:**

**COUNTY:**

**DATE OF TESTS:**

**PARCEL NO.:**

**TESTED BY:**

**CERTIFICATION #:**

**CERTIFICATION #:**

**SITE ADDRESS:**

**TYPE(S) OF STRUCTURE(S):**

**Frank Reichart and Diane Roege**

7118110514MOIR11239, F.R.

7118110514MOIR7165, D.R.

## Over West Fork Honey Creek

Bridge

[illegible]

MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS

# Asbestos Survey Report

**All materials requiring removal or special handling.**

**ROUTE:** JJ

**MODOT JOB NO.:**

DISTRICT: NW

**COUNTY:** Mercer

**DATE OF TESTS:** October 14-15, 2015

**PARCEL NO.:** Bridge N-0254R1

**TESTED BY:**

**CERTIFICATION #:**

**CERTIFICATION#:**

**SITE ADDRESS:****TYPE(S) OF STRUCTURE(S):**

Frank Reichart and Diane Roegge

7118110514MOIR11239, F.R.

7118110514MOIR7165, D.R.

## Over West Fork Honey Creek

Bridge

[illegible]

INF = 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**

ROUTE:	11
MODOT JOB NO.:	N/A
DISTRICT:	NW
COUNTY:	Mercer
SURVEYED BY:	Frank Reichart
DATE OF SURVEY:	October 7, 2015

TESTED BY:	N/A
DATE OF TESTS:	N/A
PARCEL NO.:	Bridge N-0254R1
SITE ADDRESS:	Over West Fork Honey Creek
TYPE(S) OF STRUCTURE(S):	Bridge

[illegible]

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:** Frank Reichart *FR*  
Environmental Chemist, Lead License #110506-300003364

**DATE:** October 30, 2018

**SUBJECT:** Materials  
Job No. N/A  
JJ/Mercer County  
Bridge# N0254R1

On October 30, 2018, a paint screening for regulated heavy metals was performed on the subject bridge. The following results were obtained:

	18MFJR758
Arsenic (As)	55,062 ppm**
Chromium (Cr)	45 ppm
Lead (Pb)	512,913 ppm (51.3%)
Cadmium (Cd)	775 ppm
Selenium (Se)	LOD*
Barium (Ba)	108 ppm
Mercury (Hg)	LOD
Silver (Ag)	LOD

\*LOD = below the detection limit of the instrument

\*\*ppm = parts per million

TMS paint data indicated a System A paint was under the System S paint, applied in 2006. The results verify the information found in TMS.

The existing paint system is lead-based paint (LBP). Therefore any painting project will be subject to DHSS notification and regulation.

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) 526-4359.

fr/dr

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shareddocuments/asbestos/districts/northwest\(nw\)/mt/n0254r1/lbp\\_xrf\\_n0254r1.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shareddocuments/asbestos/districts/northwest(nw)/mt/n0254r1/lbp_xrf_n0254r1.docx)

Expiration Date

11/5/2015

Certificate Number: 7118110514MOIR11239

Training Date:

11/5/2014

**Missouri State Certificate for Asbestos Related Occupations**

issued by Department of Natural Resources  
P.O. Box 176  
Jefferson City, MO 65102  
Phone (573) 751-4817

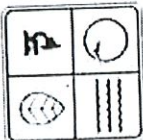
**Francis J. Reichart**

has successfully completed the requirements for certification as a INSPECTOR. This Missouri State Certification is subject to review and the director may deny, suspend or revoke the certification per RSMo chapter 643.230.

12/31/2014

Date

*Francis J. Reichart*  
Director of Air Pollution Control Program





Expiration Date 11/5/2015 Certificate Number: 7118110514MOIR7165

Training Date: 11/5/2014

**Missouri State Certificate for Asbestos Related Occupations**

issued by Department of Natural Resources

P.O. Box 176

Jefferson City, MO 65102

Phone (573) 751-4817

**Diane R. Roegge**

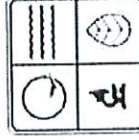
has successfully completed the requirements for certification as a INSPECTOR. This Missouri State Certification is subject to review and the director may deny, suspend or revoke the certification per RSMo chapter 643.230.


12/31/2014


Date


*Kyra L Moore*

Director of Air Pollution Control Program

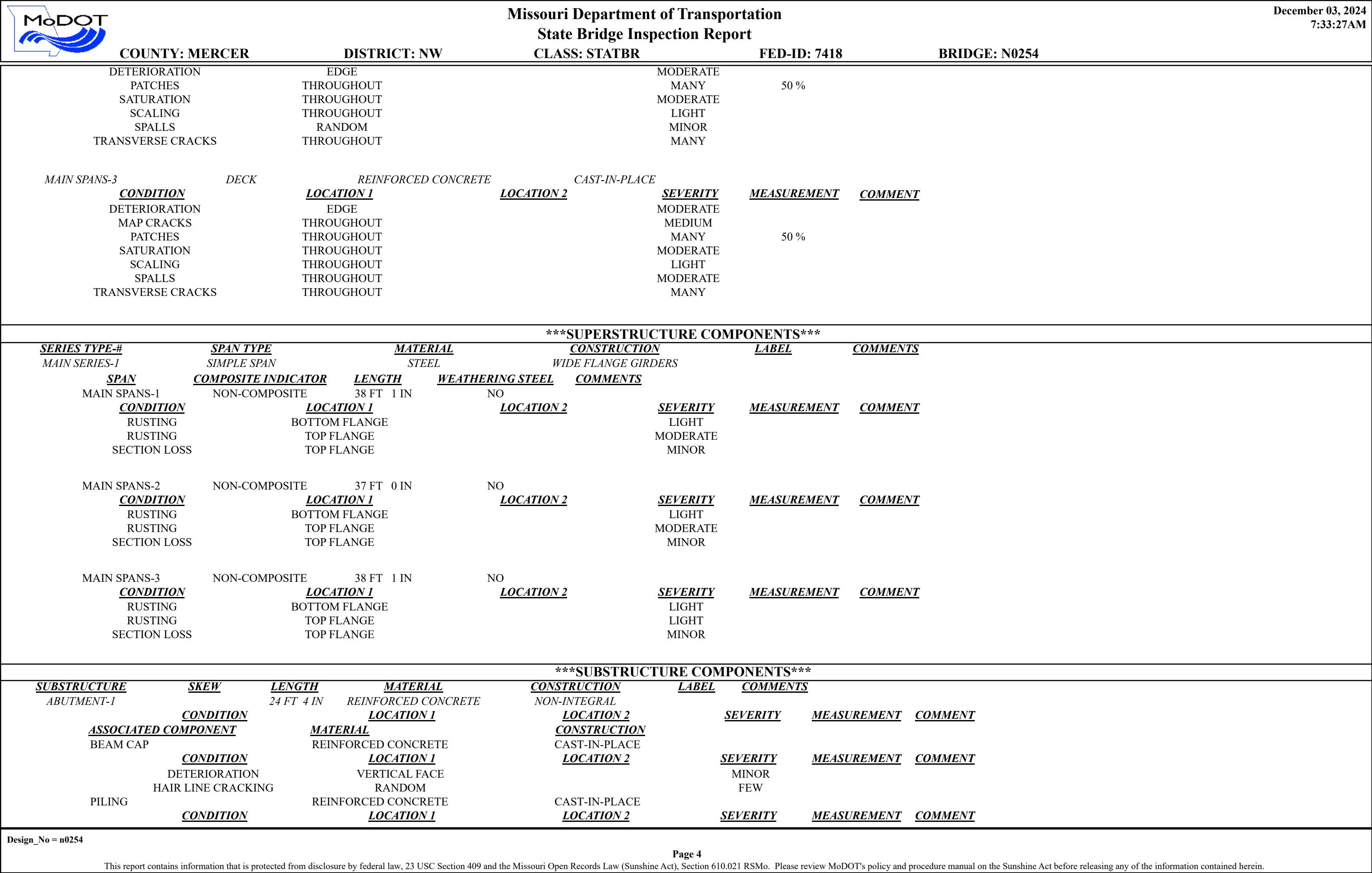


		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 03, 2024</div> <div>7:33:27AM</div>			
COUNTY: MERCER		DISTRICT: NW		CLASS: STATBR		FED-ID: 7418		BRIDGE: N0254	
***GENERAL STRUCTURE INFORMATION***							***BRIDGE INSPECTION INFORMATION***		
<div>ROUTE: RTJJE</div> <div>FEATURE: HONEY CR</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 0.509</div> <div>DETOUR: 38.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1957</div> <div>REHAB: 1994</div> <div>LOCATION: S 8 T 63 R 23 W</div> <div>LATITUDE: 40 16 20.93 (DMS)</div> <div>LONGITUDE: 93 30 31.51 (DMS)</div>		<div># SPANS: 3</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: EAST to WEST</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MAJOR COLLECTOR</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: NW</div> <div>MAINTENANCE COUNTY: MERCER</div> <div>SUB AREA: 7A21</div>		<div>PLACE CODE: 77578 WASHINGTON</div> <div>LENGTH: 113 FT 0 IN</div> <div>MAXIMUM SPAN: 38 FT 1 IN</div> <div>APPROACH ROADWAY: 20 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 22 FT 4 IN</div> <div>AADT: 67</div> <div>AADT YEAR: 2023</div> <div>AADT TRUCK: 12.5%</div> <div>FUTURE AADT: 84</div> <div>FUTURE AADT YEAR: 2043</div>		<div>DATE: 08/03/2023</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 24</div> <div>TEAM LEADER: BRYCE ACTON</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2:</div> <div>INSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>			
						GENERAL INSPECTION COMMENTS			
***FRACTURE CRITICAL INSPECTION INFORMATION***					***INDEPTH INSPECTION INFORMATION***				
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
FRACTURE CRITICAL INSPECTION COMMENTS					INDEPTH INSPECTION COMMENTS				
***SPECIAL INSPECTION INFORMATION***					***UNDERWATER INSPECTION INFORMATION***				
<div>DATE: 08/04/2021</div> <div>FREQUENCY: 72</div> <div>TEAM LEADER: SCOTT STEPHENS</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**: 86</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>				
SPECIAL INSPECTION COMMENTS					UNDERWATER INSPECTION COMMENTS				
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS				
<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>					<div>DATE</div> <div>FREQUENCY</div> <div>CATEGORY</div> <div>NBI</div> <div>CALCULATED INTERVAL</div> <div>RESPONSIBILITY</div> <div>METHOD</div>				
Design_No = n0254									
<div>Page 1</div> <div>This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.</div>									

		Missouri Department of Transportation			December 03, 2024	
		State Bridge Inspection Report			7:33:27AM	
COUNTY: MERCER		DISTRICT: NW	CLASS: STATBR	FED-ID: 7418	BRIDGE: N0254	
***STRUCTURE POSTING***						
APPROVED CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-7		TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.				
Ton 1: 17		Ton 2:		Ton 3:	PROBLEM:	PROBLEM DIRECTION:
COMMENTS:						
***GENERAL COMMENTS/MAJOR RATED ITEMS***						
GENERAL COMMENTS: (BOWDEJ1, 02/02/2010)--(38'-37'-38') SMP WF GDR SPANS (STRENGTHEN ALL GDRS 1994)						
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (MENEET, 01/30/2014)--PATCHES				
RATING : 08/13/2015		(ACTONB1, 08/21/2023)--SATURATION THROUGHOUT				
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS: (STEPHS2, 08/13/2015)--RUSTING OF GIRDERS				
RATING : 08/13/2015						
[ITEM 60] SUB: 5-FAIR CONDITION		COMMENTS: (WILSOT2, 03/14/2012)--MOD PILE EXPOSED				
RATING : 08/22/2017		(STEPHS2, 08/22/2017)--SECTION LOSS AT GROUND LINE				
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE		COMMENTS: (ACTONB1, 08/21/2023)--CHANNEL DEEPENING & BANKS WIDENING				
RATING : 03/14/2012		(ACTONB1, 08/21/2023)--MODERATE BANK EROSION W/ROCK ADDED @ BOTH SLOPES				
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS: (ACTONB1, 08/21/2023)--MINOR LOCAL SCOUR - ROCK ADDED @ BOTH BENT PILE				
RATING : 03/14/2012						
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 : 01/20/2003		COMMENTS:		
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
STEEL	ANGLE-DOUBLE	BOTH				
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>		
OTHER	THROUGHOUT		NOT APPLICABLE	(STEPHS2, 09/09/2021)--PAINTED 2020		
REINFORCED CONCRETE	CURB	BOTH	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>COMMENT</u>	
<u>CONDITION</u>	<u>LOCATION 1</u>			HEAVY		
SCALING	THROUGHOUT					
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:		
Design_No = n0254						
Page 2						
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		Missouri Department of Transportation				December 03, 2024	
		State Bridge Inspection Report				7:33:27AM	
COUNTY: MERCER		DISTRICT: NW		CLASS: STATBR		FED-ID: 7418	
				BRIDGE: N0254			
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0				RATING : 05/18/2001		COMMENTS:	
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>	
ASPHALT		BITUMINOUS MAT		BOTH		GOOD	
***DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS***							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS SEAL COAT	
<u>THICKNESS</u>		<u>YEAR APPLIED</u>		<u>MANUFACTURE</u>		<u>OVERALL CONDITION</u>	
.3 IN						POOR	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
DRAINAGE		REINFORCED CONCRETE		CURB OUTLET			
<u>EXPANSION DEVICE COMPONENTS:</u>							
<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>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
BANK PROTECTION		ROCK		RIP RAP		BOTH	
<u>COMMENTS</u>							
(STEPHS2, 08/22/2017)--PAVEMENT SLABS BROKEN UP							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
ERODING		THROUGHOUT				SEVERE	
<u>COMMENT</u>							
(STEPHS2, 08/21/2019)--WEST BANK							
***DECK COMPONENTS***							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>COMMENTS</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				MODERATE	
PATCHES		THROUGHOUT				MANY	
SATURATION		THROUGHOUT				MODERATE	
SCALING		THROUGHOUT				LIGHT	
SPALLS		RANDOM				MINOR	
TRANSVERSE CRACKS		THROUGHOUT				MANY	
<u>MEASUREMENT</u>							
50 %							
<u>COMMENT</u>							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
<u>COMMENTS</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
<u>MEASUREMENT</u>							
<u>COMMENT</u>							
Design_No = n0254							
Page 3							
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# Missouri Department of Transportation State Bridge Inspection Report

**December 03, 2024**  
**7:33:27AM**

**COUNTY: MERCER**

**DISTRICT: NW**

**CLASS: STATBR**

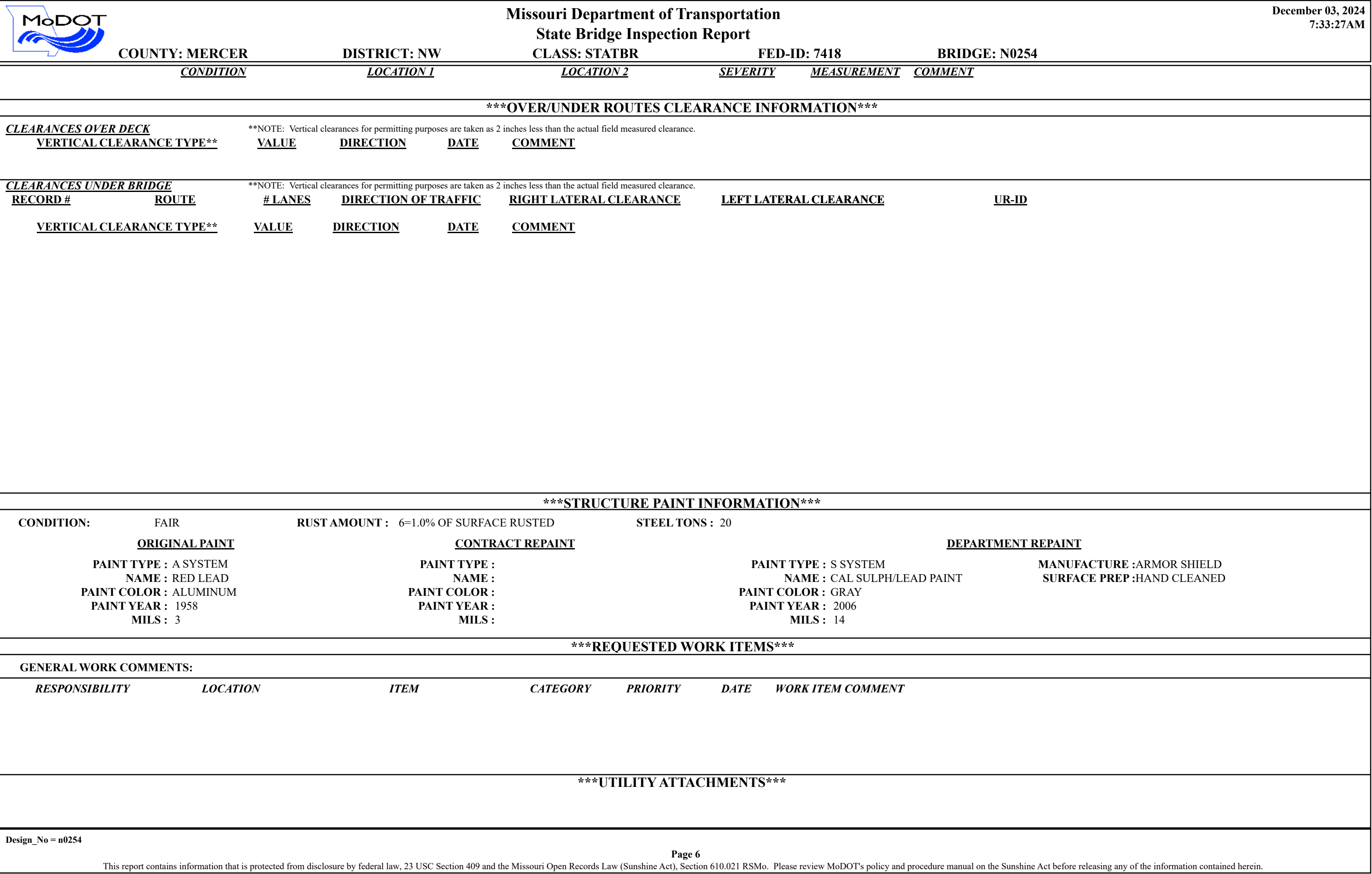
FED-ID: 7418


BRIDGE: N0254

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>
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL/			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-2	21 FT 0 IN REINFORCED CONCRETE	PILE CAP			
<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	VERTICAL FACE		MINOR		
SPALLS	VERTICAL FACE		MINOR		
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>
LOCAL SCOUR	GROUND LINE		PILE EXPOSED		
SECTION LOSS	GROUND LINE		MODERATE		
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL/			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-3	21 FT 0 IN REINFORCED CONCRETE	PILE CAP			
<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	VERTICAL FACE		MINOR		
SPALLS	VERTICAL FACE		MINOR		
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>
LOCAL SCOUR	GROUND LINE		PILE EXPOSED		
RUSTING	GROUND LINE		MINOR		
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL/			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-4	24 FT 4 IN REINFORCED CONCRETE	NON-INTEGRAL			
<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>
DETERIORATION	VERTICAL FACE		MINOR		
VERTICAL CRACKS	RANDOM		FEW		
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>
SECTION LOSS	GROUND LINE		MODERATE		
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>
SHOVING	THROUGHOUT		MINOR		
SPALLS	BACKWALL		MINOR		
EXPANSION BEARING	STEEL	SLIDING CURVED/FLAT PL/			

**Design\_No = n0254**

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



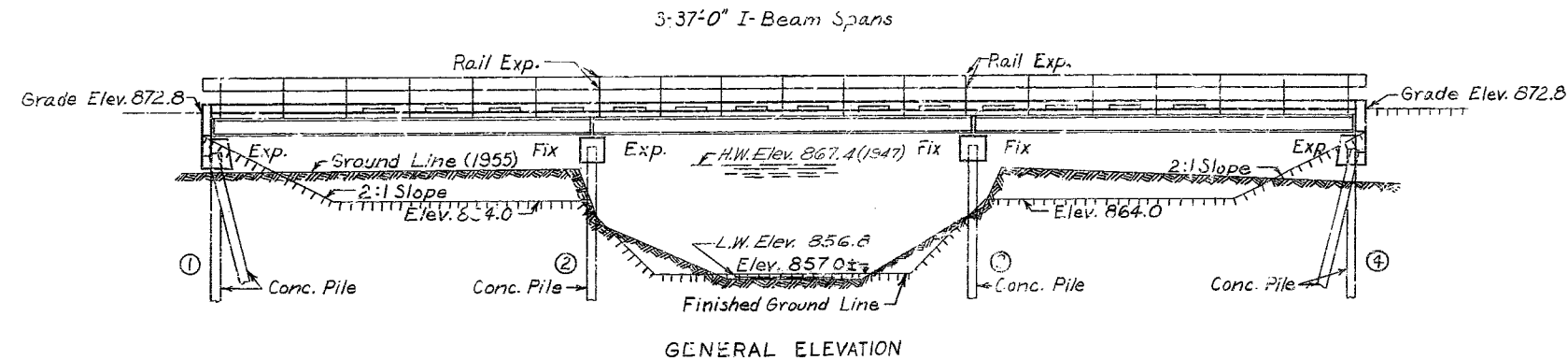
		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>December 03, 2024</div> <div>7:33:27AM</div>																																																		
COUNTY: MERCER		DISTRICT: NW		CLASS: STATBR		FED-ID: 7418		BRIDGE: N0254																																																
UTILITY		OWNER		METHOD		MEASUREMENT TYPE		VALUE		NUMBER		UTILITY ATTACHMENT		COMMENT																																										
***PROGRAM NOTES INFORMATION***																																																								
YEAR		PROJECT #		MONTH LET		YEAR LET		ITEMS		COMMENT																																														
***COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS***										***ADVANCED SIGN INFORMATION***																																														
<div>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.</div> <table><tr><td>Rated Item</td><td>Rating</td><td>Rating Date</td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>5/18/2001</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>5-BETTER THAN MINIMUM</td><td>3/7/2024</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>55.7%</td><td>3/7/2024</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>12/21/2015</td></tr><tr><td>Funding Eligibility:</td><td>PARTIAL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>141 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$498,480</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$747,720</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2024</td><td>----</td></tr></table> <div>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.</div>										Rated Item	Rating	Rating Date	[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	5/18/2001	[Item 68] Deck Geometry Rating:	5-BETTER THAN MINIMUM	3/7/2024	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	55.7%	3/7/2024	Deficiency:	STRUCTURAL	12/21/2015	Funding Eligibility:	PARTIAL	----	Estimated New Structure Length:	141 FT.	----	Estimated Structure Cost:	\$498,480	----	Estimated Total Project Cost:	\$747,720	----	Year of Cost Estimate:	2024	----	<table><tr><td>SIGN #</td><td>SIGN TYPE</td><td>PROBLEM</td><td>PROBLEM DIRECTION</td></tr><tr><td>1</td><td></td><td></td><td></td></tr></table>						SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	1			
Rated Item	Rating	Rating Date																																																						
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MISSOURI STATE HIGHWAY DEPARTMENT

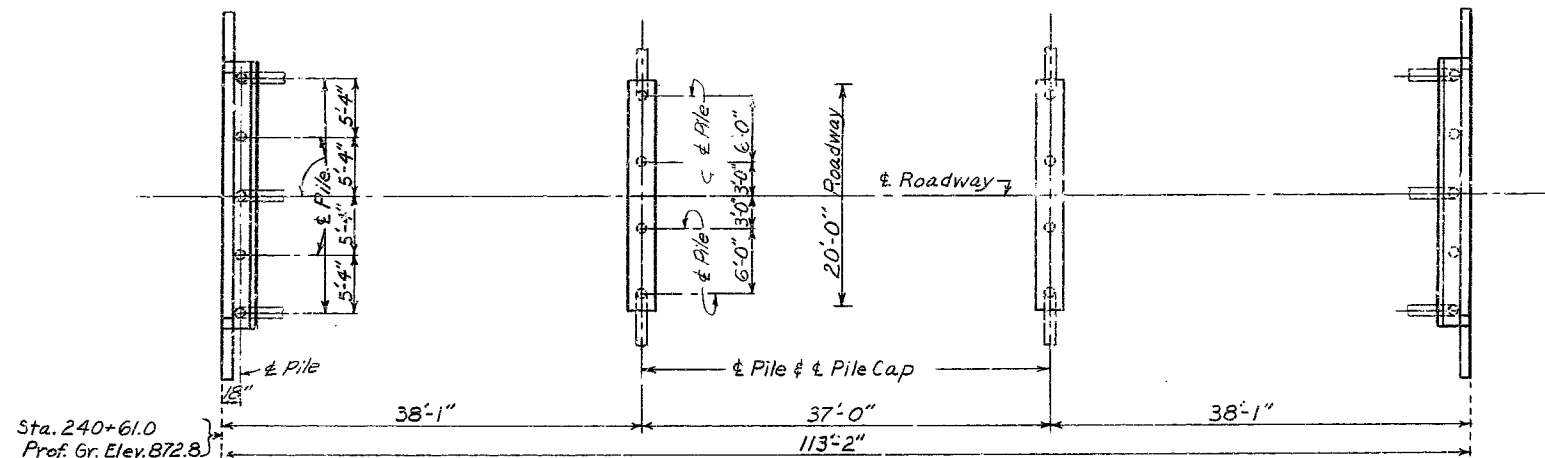
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		12	7	



Note: All piling shall be Cast-in-Place Concrete Piles in accordance with Special Provisions for Concrete Piles. Estimated quantities shown on plans are based on the following lengths, 10 @ 45' and 8 @ 50'. These indicated lengths are approximate only. Proper lengths to give required bearing and penetration are to be determined by the Contractor.

All piling shall be driven to sustain a load of at least 22 tons per pile and with tips to at least Elev. 842.0 for Bents No. 1 & 4 and to at least Elev. 837.0 for Bents No. 2 & 3.

A gravity hammer weighing not less than 4,000 pounds with a drop of not more than 10 feet may be used for driving steel shells if desired. Concrete for piles shall be class "A".



PLAN

GENERAL NOTES:

Design Specifications: A.A.S.H.O. 1953.

Loading H10-44.

Structural Steel Stress 18,000  $\psi$ /in<sup>2</sup>.

Reinforcing Steel Stress 20,000  $\psi$ /in<sup>2</sup>.

Class "B" Concrete Stress 1200  $\psi$ /in<sup>2</sup>.

All concrete except for piling shall be Class "B".

Rivets  $\frac{3}{4}$ "  $\phi$ , holes  $\frac{1}{8}$ "  $\phi$  except in handrail where rivets shall be  $\frac{5}{8}$ "  $\phi$ , holes  $\frac{1}{4}$ "  $\phi$ .

Field connections shall be riveted, except as noted in handrail details, or if the Contractor desires to eliminate all field riveting on this project, he may use machine bolts except for the  $\frac{3}{4}$ " rivet head bolts specified for handrail. Heads and nuts of machine bolts shall be American Standard Regular.

Paint: Shop, none. Field contact surfaces of bolted field connections one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint to be applied by the Contractor except as noted for steel shells of Cast in Place Pile. Red lead required shall be furnished by Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for Fabricated Structural Steel. Steel shells for cast-in-place piles shall be painted as specified for steel piles in Section 22-9C of the Standard Specifications.

Where joint filler is specified on plans it shall conform with the requirements for Premoulded Material for Filler as given in Section 59-220 of the Standard Specifications. Qualification of welding operators will be required.

Note: This drawing is not to scale. Follow dimensions.

COMPLETE BILL OF REINFORCING STEEL					
No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams
End Bents No. 1 and 4					
12	#6	6'-9"	H1	Wing	
4	#6	5'-0"	H2	"	
8	#4	8'-0"	V1	"	
4	#4	6'-0"	V2	"	
3	#6	9'-3"	T1	"	
3	#6	8'-6"	T2	"	
16	#6	26'-0"	H3	Bearr	
8	#6	24'-0"	H4	"	
44	#4	11'-3"	U3	"	
16	#4	3'-3"	U4	"	
92	#4	3'-6"	V2	Bkwall	
Int. Bents No. 2 & 3					
16	#6	22'-9"	H5	Beam	
4	#6	20'-9"	H6	"	
44	#4	9'-9"	U1	"	
16	#4	3'-3"	U2	"	
Superstructure					
452	#4	22'-0"	S1	Slab	
128	#4	13'-6"	S2	"	
64	#4	19'-0"	S3	"	
168	#5	2'-9"	C1	Curb	
24	#6	20'-0"	C2	"	
12	#6	13'-6"	C3	"	

ESTIMATED QUANTITIES			
Item	Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yds. 10		10
Class "B" Concrete	Cu. Yds. 31.2	54.3	85.5
Reinforcing Steel	Lbs. 2910	10680	13590
Fabricated Structural Steel	Lbs.	38700	38700
Concrete Piles in Place	Lin. Ft. 850		850
Gray Iron Alloy Castings	Lbs.	1280	1280

Note: All Excavation for bridge will be paid for as Class I Excavation for Structures.

\* Final pay weight for Fabricated Structural Steel will be based on using field rivets except for bolted connections specified for handrail.

B.M. Elev. 865.01 X-Nails in NW. Root of 18" Locust 85 $\pm$  Lt. Sta. 238+95. (U.S.G.S. Datum)

BRIDGE OVER WEST HONEY CREEK

STATE ROAD FROM ROUTE SC WEST TO ROUTE SY

ABOUT 13.0 MILES S.E. OF PRINCETON

PROJECT NO. S-870 (2) (S.JJ) STA. 24J+61.0

MERCER

COUNTY

SUBMITTED BY J.A. Williams DATE 6-20-1957

APPROVED BY Roy M. Whitton DATE 6-20-1957

FINISHED

STD. C-110R4

N-254

Drawn Feb. 1957 by B.U.P.  
Checked June 1957 by H.G.M.

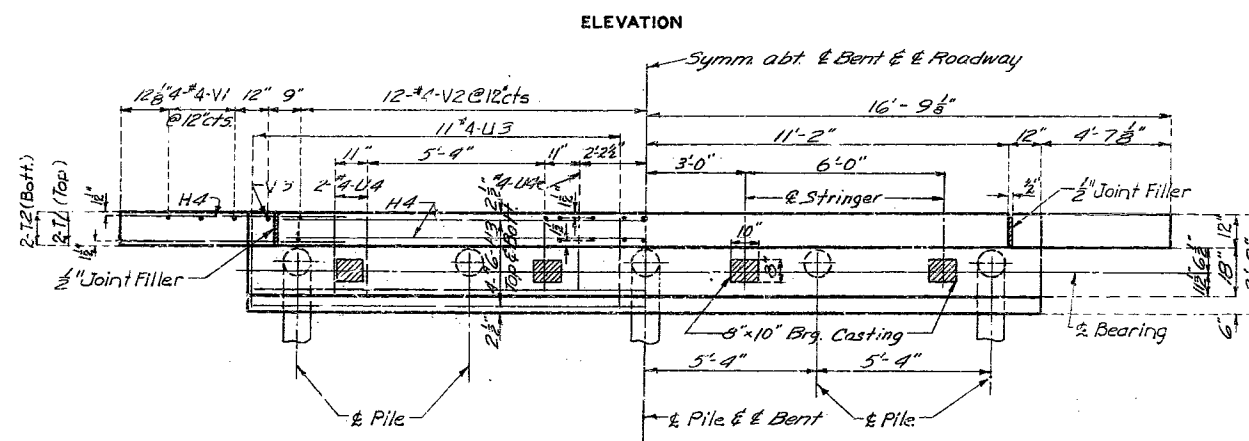
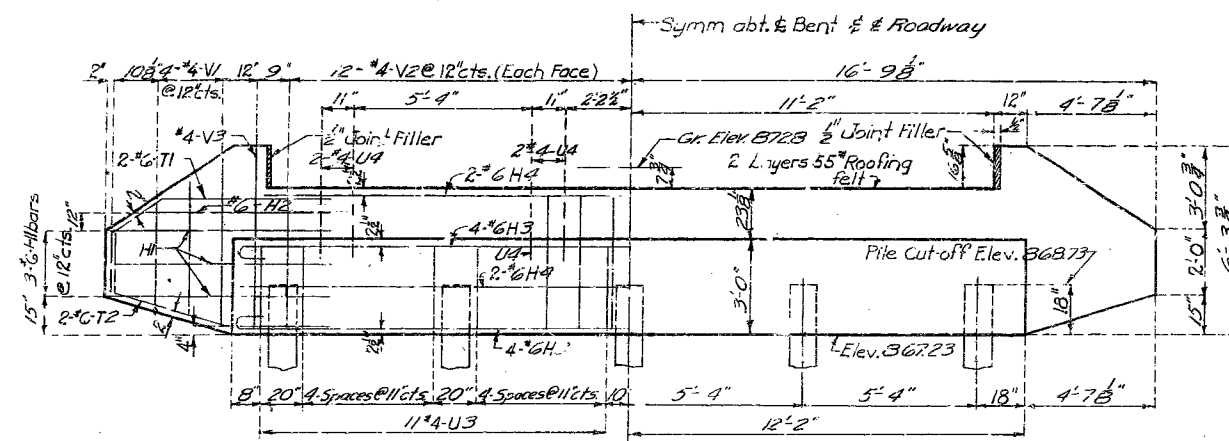
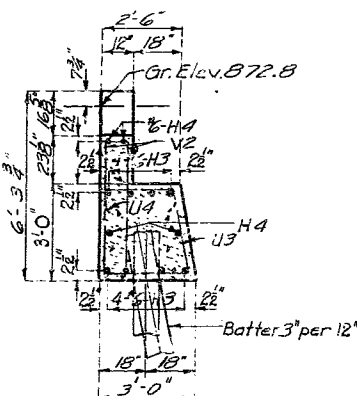
Sheet No. 1 of 4

FINISHED

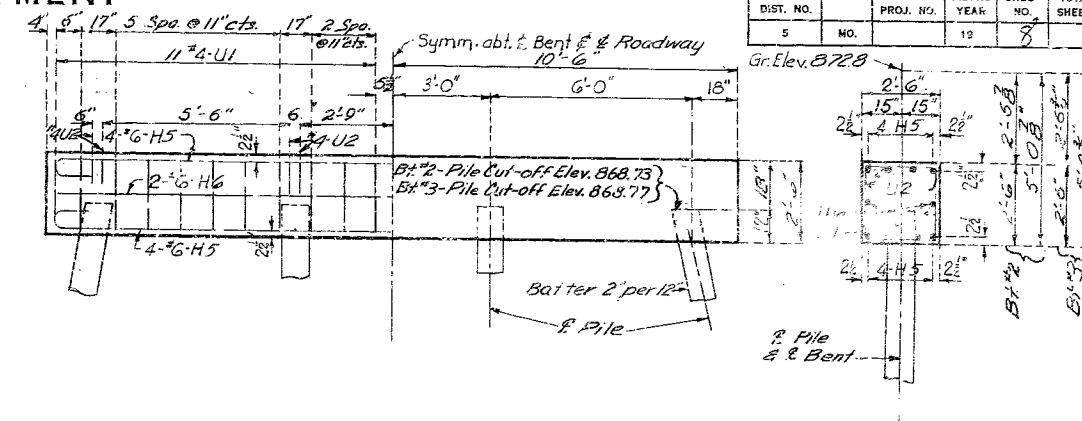
SEE FINAL PLANS BROWN-LINES

# MISSOURI STATE HIGHWAY DEPARTMENT

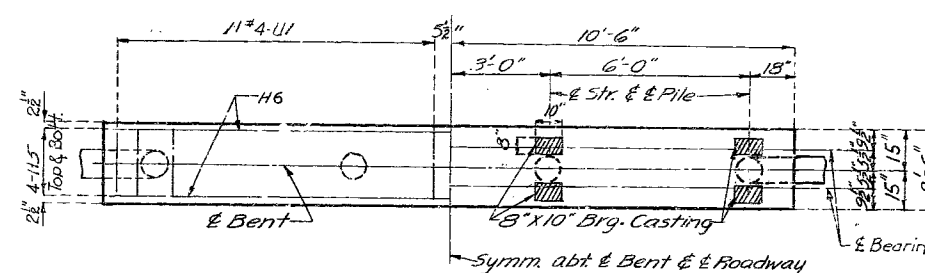
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5	NO.		19	8	



DETAILS OF END BENTS NO. 1 & 4



SECTION AT E



DETAILS OF INTERMEDIATE BENTS NO. 2 & 3

BRIDGE OVER WEST HONEY CREEK  
STATE ROAD FROM ROUTE SC WEST TO ROUTE SY  
ABOUT 13.0 MILES S.E. OF PRINCETON  
PROJECT NO. S-870 (2) (SJJ) STA. 240+61.0  
MERCER COUNTY FINISHED

Drawn Feb. 1957 by B.J.P. & J.C.F.  
Checked June 1957 by H.G.M.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 4

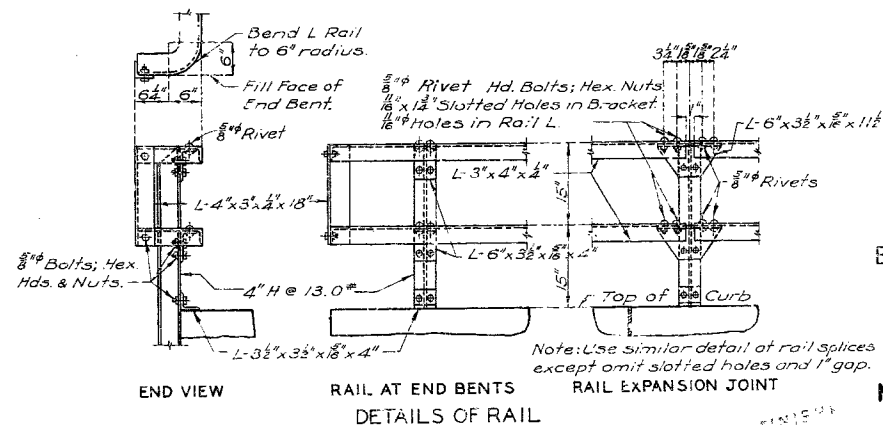
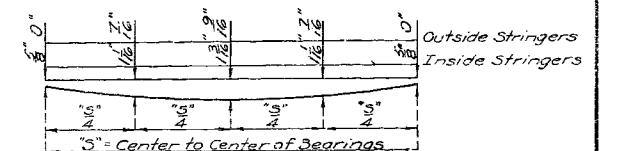
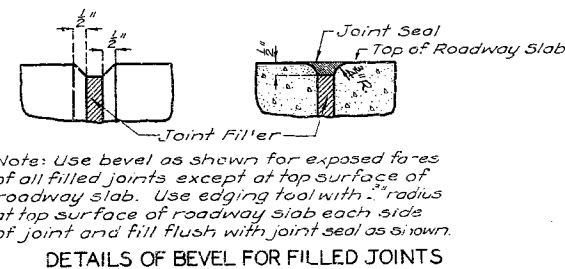
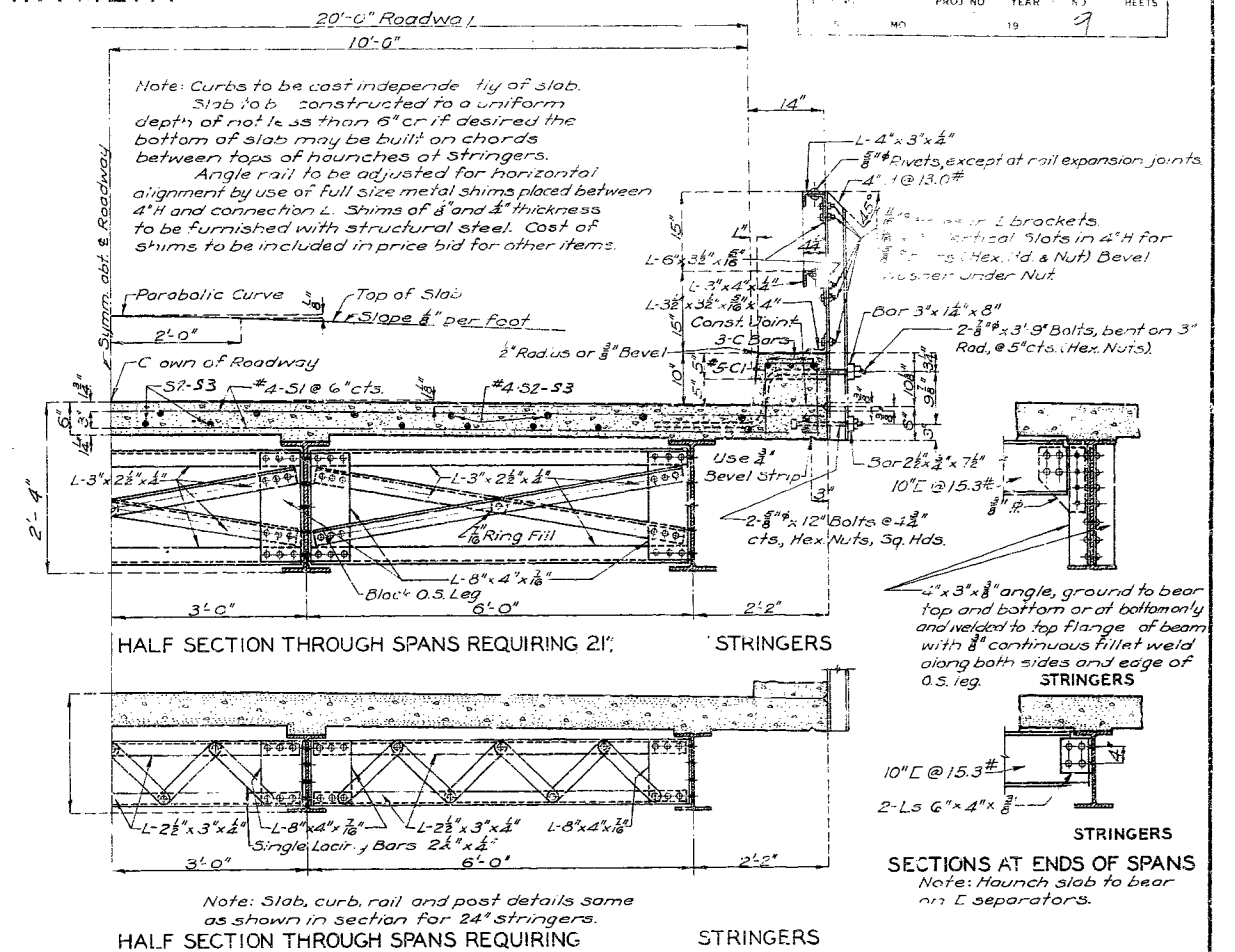
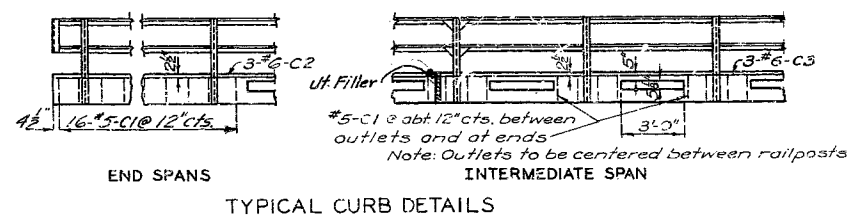
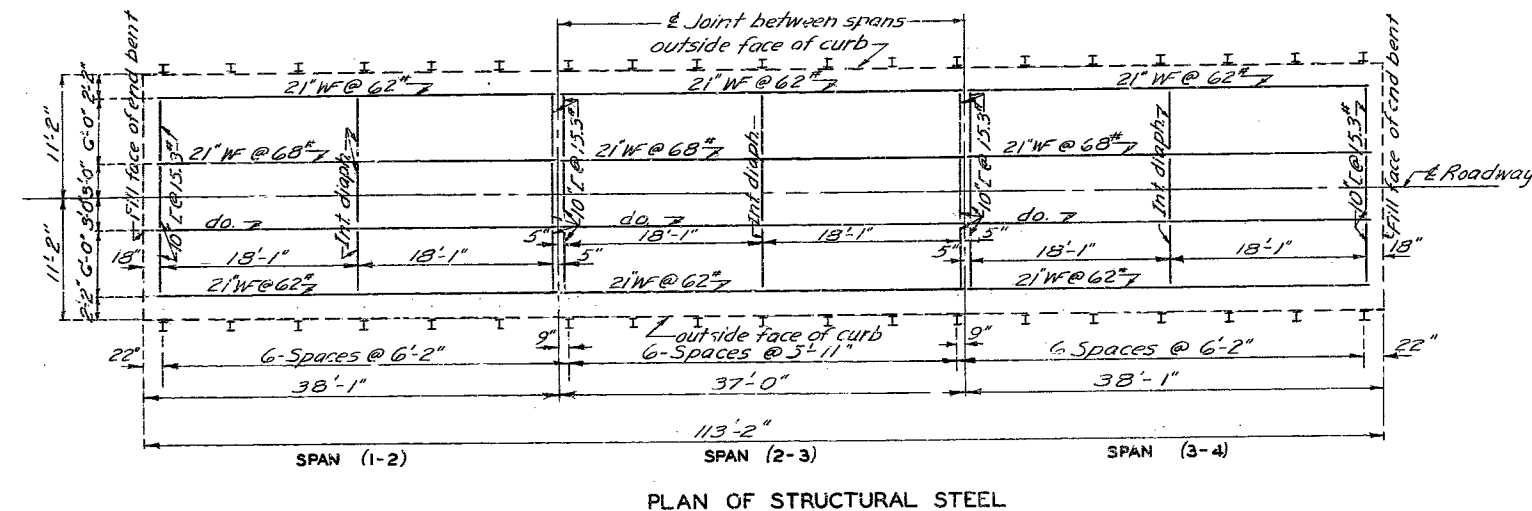
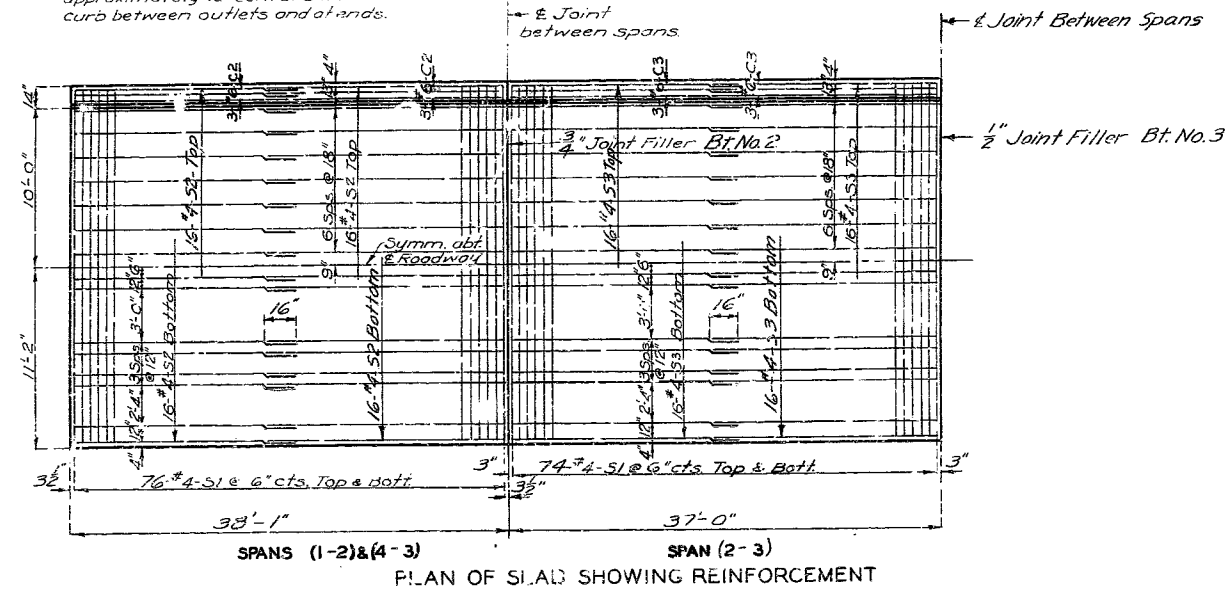
NO CONSTRUCTION CHANGES

N-254

# MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	MO		19	7	

Note: Space do not bars C1 at approximately 12" centers in curb between outlets and at ends.



**BRIDGE OVER WEST HONEY CREEK**  
STATE ROAD FROM ROUTE SC WEST TO ROUTE SY  
ABOUT 13.0 MILES S.E. OF PRINCETON  
PROJECT NO. S-870 (2) (SJJ) STA 240+61.0  
**MERCER COUNTY**

Assembled Feb. 1957 by B.J.P. & J.C.F.  
Checked June 1957 by H.G.M.

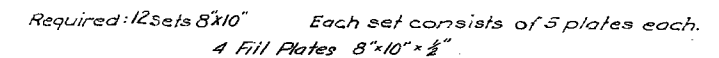
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 4  
NO CONSTRUCTION CHANGES

N-254

Sq. 20-H10  
Rev. Feb. 1955

am

14.

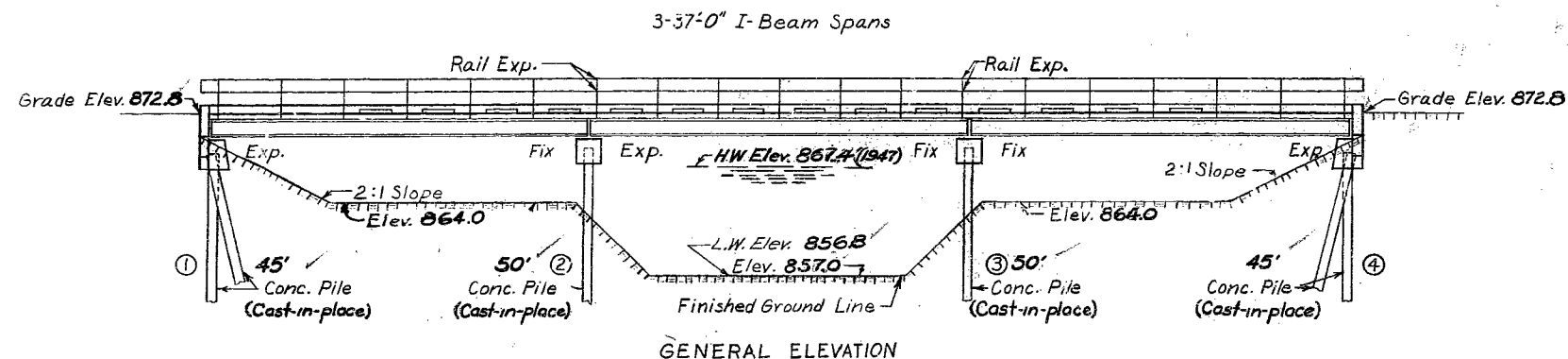
Finish all surfaces marked X.  
Bearing Castings shall be either Gray Iron Alloy or Cast Steel. Payment will be made as Gray Iron Alloy.  
All bolts and nuts shall be paid for as Fabricated Structural Steel.  
Anchor bolts for 8"x10" castings shall be 1"  $\phi$  swedged bolts, no heads or nuts and are to extend 10" into Concrete. Top ends of anchor bolts shall be above the top of Castings, but no higher than  $\frac{1}{4}$ " below the top surface of bottom flange of beam.  
Lead plates under bearings shall be approximately  $\frac{1}{8}$ " thick and weigh 8 $\frac{1}{2}$  sq ft. Cost of lead plates to be included in price bid for other items.  
Edge @ to be rounded ( $\frac{1}{16}$ "  $\phi$  radius).  
The 8"x10"x $\frac{1}{2}$ " fill plate may be made a part of the top casting if desired, but payment for the 8"x10" fill plate will be made as Fabricated Structural Steel.

N-254

NO CONSTRUCTIVE CHANGES

# MISSOURI STATE HIGHWAY DEPARTMENT

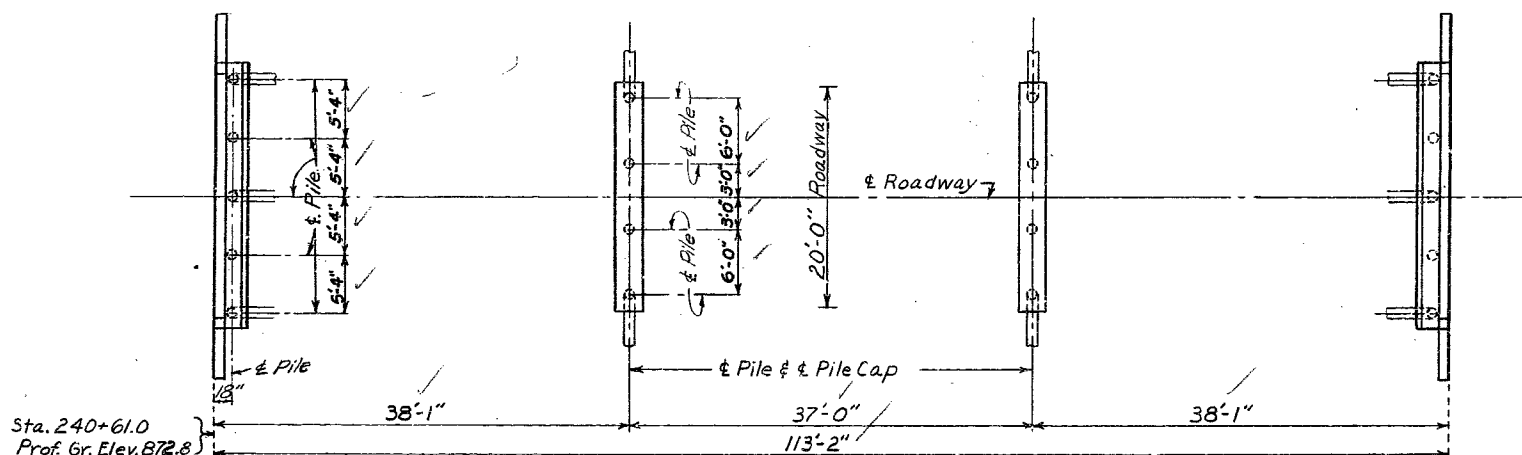
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	S-870(2)	1957		



Note: All piling were Cast-in-Place Concrete Piles in accordance with Special Provisions for Concrete Piles. Estimated quantities shown on plans were based on the following lengths, 10' @ 45' and 8' @ 50'. These indicated lengths were approximate only. Proper lengths to give required bearing and penetration were determined by the Contractor.

All piling were driven to sustain a load of at least 22 tons per pile and with tips to at least Elev. 842.0 for Bents No. 1 & 4 and to at least Elev. 837.0 for Bents No. 2 & 3.

A McKiernan-Terry No. 9 B-2 Double-Acting steam hammer was used for driving steel shells. Concrete for piles was Class "A".

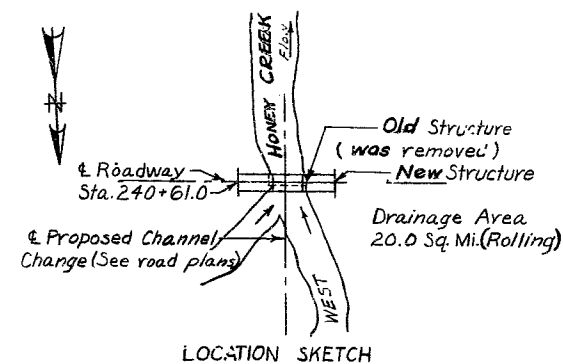


PLAN

## GENERAL NOTES:

Design Specifications: A.A.S.H.O. 1953.  
 Loading H10-44.  
 Structural Steel Stress 18,000  $\psi$ /in.  
 Reinforcing Steel Stress 20,000  $\psi$ /in.  
 Class "B" Concrete Stress 1200  $\psi$ /in.  
 All concrete except for piling was Class "B".  
 Rivets  $\frac{3}{4}$ "  $\phi$ , holes  $\frac{1}{2}$ "  $\phi$  except in handrail where rivets were  $\frac{5}{8}$ "  $\phi$ , holes  $\frac{11}{16}$ "  $\phi$ .  
 Field connections were bolted, except as noted in handrail details. The Contractor desired to eliminate all field riveting on this project, he used machine bolts except for the  $\frac{3}{8}$ " rivet head bolts specified for handrail. Heads and nuts of machine bolts were American Standard Regular.  
 Paint: Shop, none. Field contact surfaces of bolted field connections one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint was applied by the Contractor except as noted for steel shells of Cast in Place Pile. Red lead required was furnished by Contractor. Payment for cleaning and painting such surfaces was included in unit price bid for Fabricated Structural Steel.  
 Steel shells for cast-in-place piles was painted as specified for steel piles in Section 22-9C of the Standard Specifications.  
 Where joint filler was specified on plans it did conform with the requirements for Premoulded Material for Filler as given in Section 59-28D of the Standard Specifications.  
 Qualification of welding operators was required.

Note: This drawing is not to scale. Follow dimensions.



Drawn Feb. 1957 by B.J.P.  
 Checked June 1957 by H.G.M.

## FINAL PLANS

### COMPLETE BILL OF REINFORCING STEEL

No.	Size	Length	Mark	Location	Bending Sketches & Cutting Diagrams
End Bents No. 1 and 4					
12	#6	6'-3"	H1	Wing	
4	#6	5'-0"	H2	"	
8	#4	8'-0"	V1	"	
4	#4	6'-0"	V3	"	
8	#6	9'-3"	T1	"	
8	#6	8'-6"	T2	"	
16	#6	26'-0"	H3	Beam	
8	#6	24'-0"	H4	"	
44	#4	11'-3"	U3	"	
16	#4	3'-3"	U4	"	
92	#4	3'-6"	V2	Blk wall	
Int. Bents No. 2 & 3					
16	#6	22'-9"	H5	Beam	
4	#6	20'-9"	H6	"	
44	#4	9'-9"	U1	"	
16	#4	3'-3"	U2	"	
Superstructure					
452	#4	22'-0"	S1	Slab	
128	#4	19'-6"	S2	"	
64	#4	19'-0"	S3	"	
168	#5	2'-9"	C1	Curb	
24	#6	20'-0"	C2	"	
12	#6	19'-6"	C3	"	

## FINAL QUANTITIES

Item	Substr.	Superstr.	Total
Class I Excavation for Structures	Cu. Yds.	0	0
Class "B" Concrete	Cu. Yds.	31.2	31.2
Reinforcing Steel	Lbs.	2910	10680
Fabricated Structural Steel	Lbs.	33910	33910
Concrete Piles in Place	Lin. Ft.	869	869
Gray Iron Alloy Castings	Lbs.	1280	1280

Note: All Excavation for bridge will be paid for as Class I Excavation for Structures.  
 \* Final pay weight for Fabricated Structural Steel was based on using field rivets except for bolted connections specified for handrail.

B.M. Elev. 865.01 X-Nails in N.W. Root of 18" Locust 85'  $\pm$  Lt. Sta. 238+95. (U.S.G.S. Datum)

## BRIDGE OVER WEST HONEY CREEK

STATE ROAD FROM ROUTE SC WEST TO ROUTE SY  
 ABOUT 13.0 MILES S.E. OF PRINCETON  
 PROJECT NO. S-870 (2) (SJJ) STA. 240+61.0

MERCER COUNTY

SUBMITTED BY: J.A. Williams, DATE: 6-20-1957  
 APPROVED BY: Rep. M. Whitten, DATE: 6-20-1957

FINISHED

STD. C-110R4

N-254

## FINAL PLANS

Sheet No. 1 A of 1

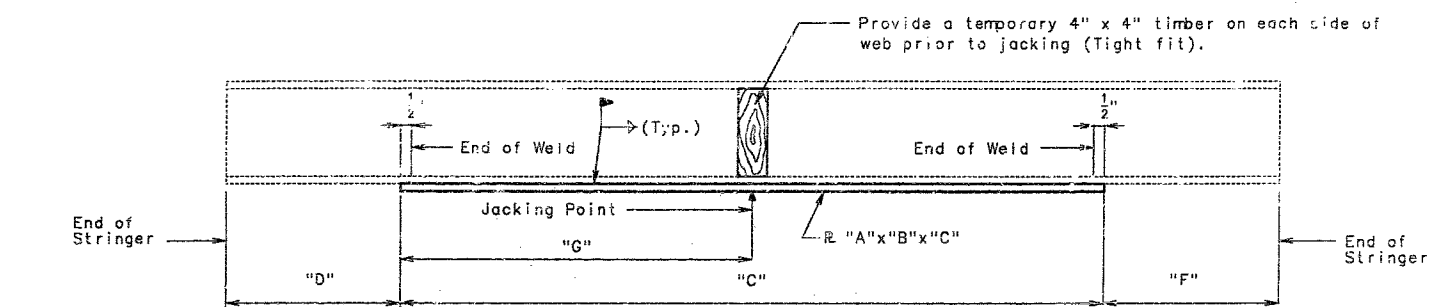


MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

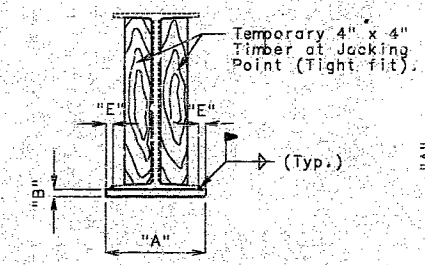
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MO.	J2S0577	18
SEC/SUR	5	TYP B3N RCE 23W

General Notes:

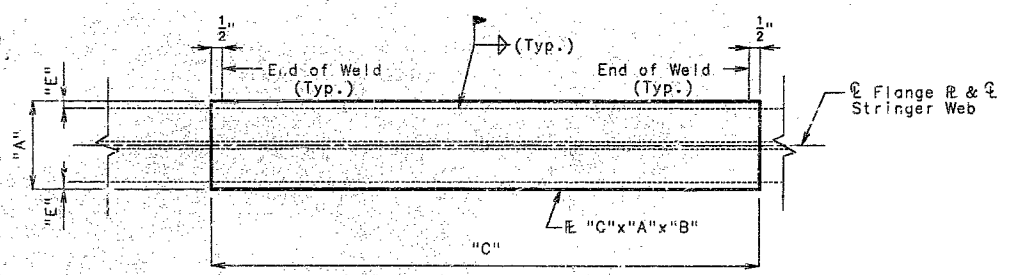
- Design Specifications:  
A.A.S.H.T.O. 1992
- Design Loading:  
1993 Missouri Posting Loads. (H20 & 3S2)  
No Future Wearing Surface
- Design Unit Stresses:  
Structural Carbon Steel  $f_y=36,000$  psi. (New Steel)  
Existing Steel  $f_y=33,000$  psi.  
Working stress Design based on  $0.6 f_y$ . (Existing)
- Paint:  
Calcium Sulfonate (2 coats)(See Special Provisions).
- Old and New Work:  
Outline of old work is indicated by light dashed lines.  
Heavy lines indicate new work.
- Dimensions:  
Longitudinal dimensions are based on the original design plans.
- Traffic:  
Maintain one lane of traffic during construction. (See Roadway Traffic Control Plans).
- Stringer Support:  
All existing stringers in the span being strengthened shall be raised simultaneously \* at jacking point and supported during welding of new steel plates.  
The temporary supports must be capable of safely supporting a service load of approximately \*\* tons per stringer. (Factor of safety not included) (See Special Provisions).



TYPICAL ELEVATION OF STRINGER  
SPAN (1-2) (2-3) & (3-4)



SECTION THRU STRINGER



DETAIL OF FLANGE R

TABLE OF DIMENSIONS										
Stringer Location		Dimensions								
		"A"	"B"	"C"	"D"	"E"	"F"	"G"	*	**
Exterior	All spans	10"	1"	18'-6"	9'-2"	$\frac{7}{8}$ "	9'-2"	9'-3"	$\frac{9}{16}$ "	26.0
Interior	All spans	10"	1"	18'-6"	9'-2"	$\frac{7}{8}$ "	9'-2"	9'-3"	$\frac{9}{16}$ "	27.0

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Strengthening Existing Stringers	Lump Sum	1

REPAIRS TO BRIDGE OVER WEST HONEY CREEK  
STATE ROAD FROM RTE. Y TO HALF ROCK  
ABOUT .7 MILE EAST OF RTE. Y  
PROJECT NO. J2S0577 STA. 240+6'.00  
JOB NO. J2S0577 RTE. JJ  
MERCER COUNTY

STD.
STD.
N02541

40  
130

WID 5, FLA, 1, A
REVISED NOV. 1993
FLANGE BRACE
AUG. 1993

DESIGNED: JAN. 1994  
DETAILED: JAN. 1994  
CHECKED: JAN. 1994



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

December 3, 2024  
7:28:30am

COUNTY : MERCER BRIDGE : N0254 1 REVIEW STATUS : APPROVED NBI STATUS : T  
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/27/2024 SUBMITTAL YEAR : 2024

GENERAL STRUCTURE INFORMATION			ROUTE DESIGNATION INFORMATION		
1	State	MISSOURI	5A	Record Type	ROUTE CARRIED 'ON' STRUCT
2	District	NW	5B	Route Signing Prefix	MO
3	County	MERCER	5C	Designated Level of Service	MAINLINE
8	Federal ID No.	7418	5D	Route Number	000JJ
27	Year Built	1957	5E	Directional Suffix	NOT APPLICABLE
106	Year Reconstructed	1994	7	Facility Carried	RT JJ E
42A	Type of Service On	HIGHWAY	12	Base Hwy. Network	NO
21	Structure Maintenance	STATE HIGHWAY AGENCY	13A	LRS Inventory Route No.	
22	Structure Owner	STATE HIGHWAY AGENCY	13B	Subroute No.	
33	Br. Median Code	NO MEDIAN	20	Toll Status	ON FREE ROAD
37	Historical Significance	NOT ELIGIBLE FOR NR OF HP	26	Functional Classification	07-RURAL MAJOR COLLECTOR
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	NOT ON NHS
			105	Federal Lands Highway	NOT APPLICABLE
			110	Designated Nat. Network	NO
STRUCTURE LOCATION INFORMATION			STRUCTURE TRAFFIC INFORMATION		
4	Place	WASHINGTON	29	AADT	67
	Code	77578	30	AADT Year	2023
9	Location	S 8 T 63 N R 23 W	102	Direction of Traffic	2-WAY TRAFFIC
11	Milepoint	0.51 miles	109	AADT Truck Percent	13%
16	Latitude	40 D 16 M 21 S	114	Future AADT	84
17	Longitude	93 D 30 M 32 S	115	Future AADT Year	2043
UNDERRECORD INFORMATION			STRUCTURE GEOMETRIC INFORMATION		
6	Features Intersected	HONEY CR	10	Inventory Rte. Vert. Clear	99 Ft. 99 In.
42B	Type of Service Under	WATERWAY	19	By pass Detour Length	38.13 miles
28B	Lanes Under Structure	00	32	Approach Roadway Width	20 Ft. 0 In.
54A	Vert. Clearance Ref.	N/A	34	Skew	0.00 Degrees
54B	Vert. Clearance	0 Ft. 0 In.	35	Struct. Flared	NO
55A	Rt. Lat Clear Ref.	N/A	47	Total Horiz. Clear	20 Ft. 0 In.
55B	Rt. Lat Clearance	0 Ft. 0 In.	48	Maximum Span Length	38 Ft. 1 In.
56	Left Lat Clearance	0 Ft. 0 In.	49	Structure Length	112 Ft. 10 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	20 Ft. 0 In.
111	Nav. Pier Protection		52	Deck Width (Out-Out)	22 Ft. 4 In.
116	Nav. Cl. Vert. Clear		53	Vert. Clearance Over Deck	99 Ft. 99 In.

Design\_No = N0254 and Inventory\_Appraisal\_Submittal\_Year = 2024





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

December 3, 2024  
7:28:30am

COUNTY : MERCER BRIDGE : N0254 1 REVIEW STATUS : APPROVED NBI STATUS : T  
RECORD TYPE : ROUTE CARRIED 'ON' STRUCT RUN DATE : 11/27/2024 SUBMITTAL YEAR : 2024

LOAD RATING AND POSTING INFORMATION			MATERIAL/CONSTRUCTION INFORMATION		
31	Design Load	H 10	43A	Main Struc. Mat type	STEEL
41	Structure Status	POSTED FOR LOAD	43B	Main struc Constr. Type	STRINGER/MULTIBEAM - GRD
63	Oper. Rating Meth.	ALLOWABLE STRESS	45	# of Main Spans	3
64	Operating Rating	28 Tons.	44A	Appr Struc. Mat type	000
65	Inventory Rating Meth	ALLOWABLE STRESS	44B	Appr Struc. Cnstr. type	000
66	Inventory Rating	16 Tons.	46	# of Approach Span	0
70	Bridge Posting Code	20.0-29.9% BELOW	107	Deck Mat/Constr.	1 CONCRETE CIP
PROPOSED IMPROVEMENT INFORMATION			108A	Wear Surf Mat/Constr.	6 BITUMINOUS
Sufficiency Rating 55.7 Percent			108B	Membrane Mat/Constr.	0 NONE
Deficiency Rating STRUCTURAL			108C	Deck Protect Mat/Constr.	0 NONE
Funding Eligibility PARTIAL			CONDITION RATING INFORMATION		
75A	Proposed Work	REHAB-GENERAL DETERIORAT	58	Deck Cond. Rating	4
75B	Work Done By	Contract	59	Superstructure Cond. Rating	5
76	New Struc Length	141 Ft. 1 In.	60	Substructure Cond. Rating	5
94	Struc Improve Cost	\$ 498,000	61	Channel /Channel Protection Cond. Rating	5
95	Roadway Improve Cost	\$ 50,000	62	Culvert Cond. Rating	N
96	Total Project Cost	\$ 748,000	INSPECTION INFORMATION		
97	Year of Cost Estimates	2024	90	Gen. Insp Date	8 / 23
APPRAISAL RATING INFORMATION			91	Gen. Insp. Frequency	24 Months
36A	Br. Rail App. Rating	DOES NOT MEET ACCEPT STND	92A	Frac. Critical Inspection	N Months
36B	Transition Rail App. Rating	DOES NOT MEET ACCEPT STND	93A	Frac. Critical Insp. Date	
36C	Approach Rail App. Rating	DOES NOT MEET ACCEPT STND	92B	Underwater Inspection	N Months
36D	Rail End Treat. App. Rating	DOES NOT MEET ACCEPT STND	93B	Underwater Insp. Date	
67	Struc Eval App. Rating	4	92C	Special Inspection	N Months
68	Deck Geometry App. Rating	5	93C	Special Inspection Date	
69	Underclearance App. Rating	N	BORDER BRIDGE INFORMATION		
71	Waterway Adeq. App. Rating	8	98	Neighboring State Code	
72	Approach Road App. Rating	6	98B	Neighboring State % Respon	
113	Scour Assess App. Rating	8	99	Neighboring State Struc. No.	
APPROVED POSTING INFORMATION			FIELD POSTING INFORMATION		
Approved Posting Category S-7			Field Posting Category S-7		
Ton1 Ton2 Ton3			Ton1 Ton2 Ton3		
Tonnage Values for Posting Sign 17			Tonnage Values for Posting Sign 17		
General Text for Posting Sign			General Text for Posting Sign		
TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.			TRUCKS OVER 17 TONS 15 MPH ON BRIDGE.		

Design\_No = N0254 and Inventory\_Appraisal\_Submittal\_Year = 2024

# STRUCTURAL REHABILITATION CHECKLIST

Bridge No.: **N0254**

Job No.: **NW0014**

Route: **JJ**

Over: **West Honey Creek**

County: **Mercer**

Date of Field Check: **10/27/2022**

\* \* \* Please include photographs for all items that apply. \* \* \*

1

## OVERLAY

\* Type of existing overlay: ☐ None ☐ Asphalt ☐ Low Slump ☐ Silica Fume ☐ Latex ☒ Epoxy ☐ Other: \_\_\_\_\_

\* Existing overlay thickness: \_\_\_\_\_ " \* Year overlay was applied: \_\_\_\_\_ ☒ Unknown

\* % of overlay repaired or patched: \_\_\_\_\_ % \* Replace overlay: ☐ Yes ☐ No

\* Notes: \_\_\_\_\_

Picture # **DSCN2599, DSCN2600, DSCN2602, DSCN2604**

2A

## DECK REPAIRS (Deck repair quantities are required even if a Deck Test request has been ordered for this structure.)

\* Half-sole repairs: \_\_\_\_\_ sq. ft. (round up to the nearest 50 sq. ft.) \* Full depth repairs: \_\_\_\_\_ sq. ft. (round up to the nearest 50 sq. ft.)

\* Existing deck repair (patching): \_\_\_\_\_ sq. ft. (round up to the nearest 25 sq. ft.)

\* Slab edge repairs: \_\_\_\_\_ lin. ft. (covers the outer 4" of the slab edge) \* Superstructure repair (Unformed): \_\_\_\_\_ sq. ft. (covers the remaining slab cantilever beyond the outer 4")

\* Clean & epoxy coat slab edge: \_\_\_\_\_ lin. ft. (in lieu of edge repairs) \* Cantilever replacement: \_\_\_\_\_ lin. ft.

\* Total surface hydro demolition of bridge deck ☐ Yes ☐ No \* Full deck replacement (redeck) ☒ Yes ☐ No ☐ Optional (half-sole, full depth and exist. deck repair quantities still required)

\* Deck repairs with voided tube replacement: ☐ Yes ☐ No \* Superstructure replacement: ☐ Yes ☒ No ☐ Optional (minimum of 10% of half-sole repair quantity) \* Full bridge replacement: ☐ Yes ☒ No ☐ Optional (Deck repair quantities required for cost comparison of alternatives)

\* How were the quantities obtained ☐ Visual ☐ Bridge Inspection Report ☐ Sounded ☐ Other \_\_\_\_\_

\* Notes: **Per photos, significant existing deck repairs.**

Picture # **DSCN2599, DSCN2600, DSCN2602, DSCN2604**

## DECK REPAIRS CONT.

## \* ISSUES / PROBLEMS WITH PRECAST PRESTRESSED DECK PANEL

Spans	Location in Span						Deterioration		Describe
	At Panel Jt.	Btwn (mid) Panel Jt.	End	Mid	End		Type	Amount	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			sq. ft	

\* Notes: N/A

(Deterioration may include water saturation, efflorescence, rust staining, cracking, spalling, exposed steel, disintegration of panel edge at joints, etc. Typically observed at or near panel joints. The location and "Type" of deterioration should be recorded.)

Picture  
#

## APPROACH SLABS

- \* Is there a bridge approach slab in place? ☐ Yes ☐ No \* Type: ☐ Concrete ☐ Asphalt ☒ Other Unknown
- \* Is there rdwy. approach pavement in place? ☐ Yes ☐ No \* Type: ☐ Concrete ☐ Asphalt ☒ Other Unknown
- \* Is the approach slab sinking at the end bent? ☒ N/A ☐ Yes ☐ No \_\_\_\_\_
- \* Are repairs needed to the bridge approach slab driving surface? ☐ Yes ☐ No \_\_\_\_\_  
(Typically a roadway item but will be reported to District on the Bridge Memorandum.)
- \* Full replacement of bridge approach slab? ☒ Yes ☐ No \_\_\_\_\_
- \* Notes: \_\_\_\_\_

Picture DSCN2604, DSCN2599  
#

4

**SLAB DRAINS**

\* Is the drainage system working adequately? ☒ Yes ☐ No

\* Recommendations: \_\_\_\_\_

\* Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture **DSCN2600**

#

5

**CURBS & RAILS**

\* Existing curb (left side): ☐ Safety Barrier Curb ☒ Curb/parapet ☐ Blockouts ☐ Thrie Beam ☐ Baluster ☒ Steel Channel

☐ Other \_\_\_\_\_ ☐ Handrail ☐ Fence \_\_\_\_\_

\* Does curb need repair ☐ Yes ☐ No      \* Curb repair \_\_\_\_\_ lin. ft.

\* Remove hand rail ☐ Yes ☐ No      \* Add curb blockout ☐ Yes ☐ No

\* Existing curb (right side): ☐ Safety Barrier Curb ☒ Curb/parapet ☐ Blockouts ☐ Thrie Beam ☐ Baluster ☒ Steel Channel

☐ Other \_\_\_\_\_ ☐ Handrail ☐ Fence \_\_\_\_\_

\* Does curb need repair ☐ Yes ☐ No      \* Curb repair \_\_\_\_\_ lin. ft.

\* Remove hand rail ☐ Yes ☐ No      \* Add curb blockout ☐ Yes ☐ No

\* Existing median curb: Type: \_\_\_\_\_ Width \_\_\_\_\_ " Height \_\_\_\_\_ "

\* Does curb need repair ☐ Yes ☐ No      \* Curb repair \_\_\_\_\_ lin. ft.

\* Approach rail attachment: ☒ None ☐ Not attached ☐ 4 Hole ☒ 5 Hole ☐ Turn-down ☐ Other \_\_\_\_\_

\* If the existing handrails will be removed, does the local maintenance supervisor wish to keep them ☐ Yes ☒ No

Storage address: location: \_\_\_\_\_

address: \_\_\_\_\_

city: \_\_\_\_\_ state: \_\_\_\_\_ zip: \_\_\_\_\_

\* Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture **DSCN2600**

#

6

**EXPANSION DEVICES**

Bent	Type	Recommendations			Gap Left	Gap Right	Temperature & Other Info
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"	"	

\* Notes: **N/A**Picture  
#

7

**BEARINGS**

Bent	Coating	Recommendations				Notes (indicate which bearings at each bent)
<b>W 1</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>2</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>E 4</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

\* Notes:

Picture # (Provide Pictures of Each Bearing)

DSCN2613, DSCN2614, DSCN2615, DSCN2616, DSCN2617, DSCN2622, DSCN2623, DSCN2624, DSCN2625, DSCN2626, DSCN2628, DSCN2630, DSCN2631, DSCN2632, DSCN2633, DSCN2640, DSCN2641, DSCN2642, DSCN2643,

8

**COATING SYSTEM (PAINT)**\* Existing coating system: Sys S ☐ green ☒ gray ☐ other\* Date last coated: **3/30/06**\* Is existing coating peeling? ☒ Yes (Overcoat is not an option) ☐ No

\* Coating recommendation:

☒ Blast clean & recoat all steel ☐ Clean & overcoat all steel☐ Blast clean & recoat only at joint locations ☐ Blast & recoat at joint locations and clean & overcoat all other steel

Note: Pull-off test required for overcoat (Calcium Sulfonate) option. Bridge Division will request pull-off tests.

\* Notes:

Picture # **DSCN2612, DSCN2626, DSCN2627, DSCN2644, DSCN2645, DSCN2646, DSCN2650**

**SUPERSTRUCTURE REPAIRS** (Repairs needed not previously stated.)**Concrete Slab Superstructure or Girder:** (above the bearings)**Paint all girders**(Example: Deck solid slabs, voided slabs, box girders,  
deck girders & prestressed girders)**Steel:** (Example: Beams, stringers, girders, diaphragms, cross-frames, misc. steel)**Member** (Check all that apply) (Attach pictures)**Describe & Locate**

_____	<input type="checkbox"/> Section Loss _____ %	<input type="checkbox"/> Cracks _____ in.	_____
_____	<input type="checkbox"/> Section Loss _____ %	<input type="checkbox"/> Cracks _____ in.	_____
_____	<input type="checkbox"/> Section Loss _____ %	<input type="checkbox"/> Cracks _____ in.	_____
_____	<input type="checkbox"/> Section Loss _____ %	<input type="checkbox"/> Cracks _____ in.	_____

**Notes:****Picture #****SUBSTRUCTURE REPAIR**

<b>Bent</b>	<b>Formed Repair</b>	<b>Unformed Repair</b>	<b>Seal Concrete Beam Cap Bts.</b>	<b>Coat Exposed Pile @ Int. Pile Cap Bts.</b>	<b>Describe (Beam, Backwall, Wing, etc.)</b>
<b>W 1</b>	_____ sq. ft.	<b>24</b> sq. ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Long crack in bent cap</b>
<b>2</b>	_____ sq. ft.	<b>96</b> sq. ft.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>both ends cracking</b>
<b>3</b>	<b>48</b> sq. ft.	<b>48</b> sq. ft.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>both ends cracking</b>
<b>E 4</b>	_____ sq. ft.	<b>24</b> sq. ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<b>significant cracking</b>
_____	_____ sq. ft.	_____ sq. ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

\* Does the structure need graffiti protection? ☒ No ☐ Bottom 8' of Concrete ☐ End Bents ☐ Other \_\_\_\_\_

\* Notes:

**Picture #****DSCN2634, DSCN2635, DSCN2636, DSCN2637, DSCN2640, DSCN2643, DSCN2648, DSCN2649, DSCN2622, DSCN2620, DSCN2619,**

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**SIGNS, SIGNALS &/OR LIGHTING ATTACHED TO STRUCTURE**

\* Are there signs attached directly to this structure? ☐ Yes ☒ No quantity \_\_\_\_\_ location \_\_\_\_\_

\* Describe proposed work to be done to signs. \_\_\_\_\_

\* Are there signals attached directly to this structure? ☐ Yes ☒ No quantity \_\_\_\_\_ location \_\_\_\_\_

\* Describe proposed work to be done to signals. \_\_\_\_\_

\* Is there aviation lighting attached to this structure? ☐ Yes ☒ No ☐ N/A ☐ Red \_\_\_\_\_ qnty. ☐ Green \_\_\_\_\_ qnty.

\* Is there navigational lighting attached to this structure? ☐ Yes ☒ No ☐ N/A ☐ Red \_\_\_\_\_ qnty. ☐ Green \_\_\_\_\_ qnty.

\* Is there roadway lighting attached to this structure? ☐ Yes ☒ No ☐ N/A

\* Describe proposed work to be done to lighting. \_\_\_\_\_

\* Notes: \_\_\_\_\_

Picture  
#

12

**UTILITIES ATTACHED TO STRUCTURE**

Type	Qty.	Size	Owner	Condition
<input type="checkbox"/> Conduit <input type="checkbox"/> Pipeline <input type="checkbox"/> Other	_____	_____	_____	<input type="checkbox"/> Repaint <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Remove
<input type="checkbox"/> Conduit <input type="checkbox"/> Pipeline <input type="checkbox"/> Other	_____	_____	_____	<input type="checkbox"/> Repaint <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Remove
<input type="checkbox"/> Conduit <input type="checkbox"/> Pipeline <input type="checkbox"/> Other	_____	_____	_____	<input type="checkbox"/> Repaint <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Remove
<input type="checkbox"/> Conduit <input type="checkbox"/> Pipeline <input type="checkbox"/> Other	_____	_____	_____	<input type="checkbox"/> Repaint <input type="checkbox"/> Repair <input type="checkbox"/> Replace <input type="checkbox"/> Remove

\* Notes: **N/A** \_\_\_\_\_

Picture  
#

13

**CATHODIC PROTECTION SYSTEM**

\* Is there a cathodic system on this structure? ☐ Yes ☒ No ☐ Remove ☐ Do not alter ☐ Abandon in place (grooved system)

\* Is it on and working? ☐ Yes ☐ No ☐ Unknown \_\_\_\_\_

\* Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture

#

14

**CHANNEL ALIGNMENT, SLOPE PROTECTION & SCOUR**

\* Is channel aligned to bridge opening? ☒ Yes ☐ No Describe \_\_\_\_\_

\* Is drift a continual problem? ☐ Yes ☒ No Describe & Locate \_\_\_\_\_

\* Is erosion a problem? ☐ Yes ☒ No Describe & Locate \_\_\_\_\_

\* Describe slope protection in place. **Good rock cover, W. end, 20' exposed dirt on E end**

* Scour	At Footing	At Piling	Depth	Bent	Recommendation
	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____
	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____

\* Describe needed work. **Place rock from Span 3 to 4, cover soil**

\_\_\_\_\_  
 \_\_\_\_\_

Picture

#

**DSCN2606, DSCN2607, DSCN2618, DSCN2621, DSCN2650,**

15

**TRAFFIC LANES**

\* Number of lanes striped: on structure **2** under structure \_\_\_\_\_

\* Shoulder width: ☒ None on structure \_\_\_\_\_ (left) \_\_\_\_\_ (right) under structure \_\_\_\_\_ (left) \_\_\_\_\_ (right)

\* Sidewalk widths: on structure \_\_\_\_\_ (left) \_\_\_\_\_ (right) under structure \_\_\_\_\_ (left) \_\_\_\_\_ (right)

\* Median width: on structure \_\_\_\_\_ under structure \_\_\_\_\_

\* Proposed improvements for lanes/shoulders/sidewalks: \_\_\_\_\_

\_\_\_\_\_

Picture

#

**DSCN2600**



16

**GENERAL AREA CONDITIONS**

\* Primary area: ☐ Commercial ☐ Industrial ☐ Residential ☒ Agricultural ☐ Military ☐ Other \_\_\_\_\_

\* Posted speed limit on structure: 45 mph

\* Posted load on structure: 17 tons @ 15 mph ☐ NA

Single Unit: \_\_\_\_\_ tons @ \_\_\_\_\_ mph ☒ NA

Semi (tractor/trailer): \_\_\_\_\_ tons @ \_\_\_\_\_ mph ☒ NA

\* Are both signs in place?

☐ Yes ☒ No

\* Do pedestrians and/or bicyclists regularly use this structure? ☐ Yes ☐ No ☒ Undetermined

\* Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture  
#

17

**MAINTENANCE**

\* What work has been done to this structure that may not be reflected on existing bridge plans? \_\_\_\_\_

Rock has been added to spill slopes, both ends

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture  
#

18

**ADDITIONAL FIELD NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Picture  
#

19

**STAGING / DETOUR**

\* **Traffic Control:** ☒ Close structure   ☐ Stage construction on structure   ☐ Cross over traffic to adjacent structure   ☐ Detour

☐ Other option \_\_\_\_\_

\* Define probable detour route. **Use ADT to determine if a signed detour is needed.**

\_\_\_\_\_  
\_\_\_\_\_

20

**PERSONS ASSISTING WITH CHECKLIST**

Name Joyce Reynolds Title Project Manager Ph. ( 816 ) 387 - 2411

Name Rick Orr Title Project Manager Ph. ( 816 ) 387 - 2483

Name \_\_\_\_\_ Title \_\_\_\_\_ Ph. (   ) -

Name \_\_\_\_\_ Title \_\_\_\_\_ Ph. (   ) -

Name \_\_\_\_\_ Title \_\_\_\_\_ Ph. (   ) -

21

**REQUIRED SIGNATURES**

*I have reviewed the information on this checklist and believe it to be as accurate as possible.*

Name Joyce Reynolds Date 12/2/2022  
*Transportation Project Manager*

Name Bryce Acton Date 12/2/2022  
*District Bridge Engineer*

The structural rehabilitation checklist indicates how the bridge is functioning and aging.

All deterioration should be noted, even if it is known that the work will not be completed under the proposed project.

Send **NEW** Structural Rehabilitation Checklist by email

To: "Bridge Survey Processor"

Cc: Structural Project Manager or Structural Resource Manager