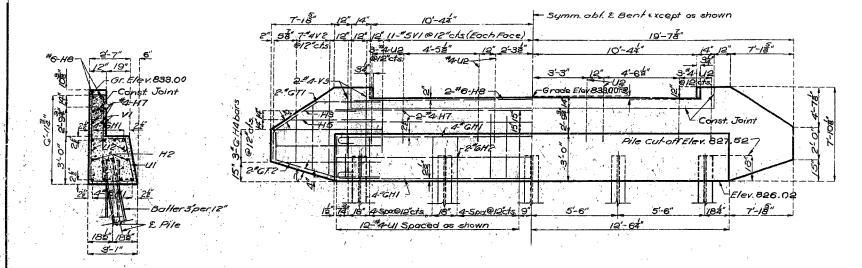


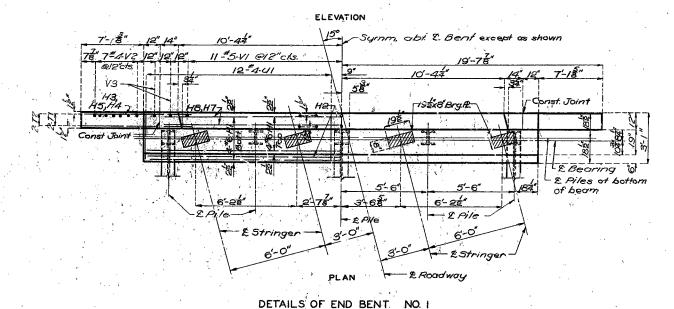
SEE FINAL PLANS BROWN-LINES

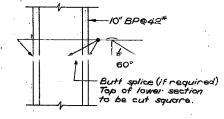
### MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST 10.		FED. AID PRGJ. NO.		SHEET NO.	TOTAL SHEETS
5	MO		19	24	



SECTION AT &





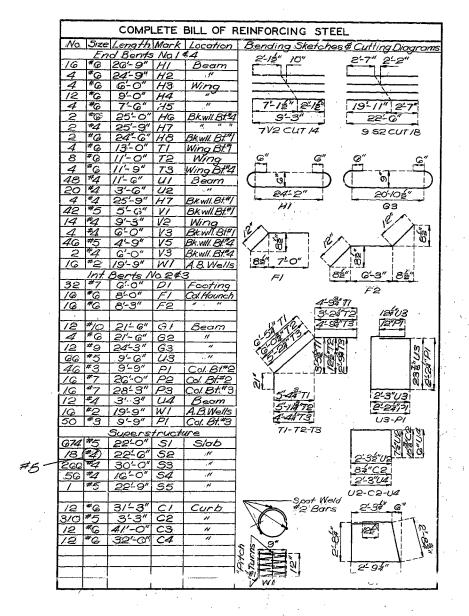
DETAILS OF STEEL PILE SPLICE

Note: Top of backwall and expansion device for end bent No. I to conform to crown of roadway slab.

Backwail above construction joint shall not be poured until the structural steel of the expansion devices. one

poured in adjacent span.

Fill of end bent No.1 shall not be carried above bottom of beam and wings until superstructure span (1-2) is in place.



FINISHED

### BRIDGE OVER LOCUST CREEK

STATE ROAD FROM MILAN NORTHWESTERLY TO BAIRDSTOWN ABOUT 4.0 MILES N.W. OF MILAN (SOO) STA. 285+96.1 FINISHED

PROJECT NO.S-2154(I)

COUNTY

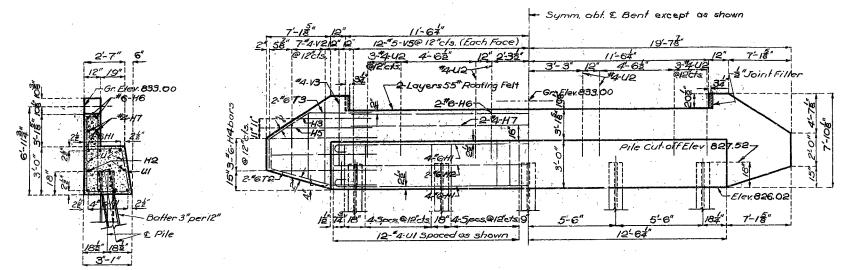
N-973

FINISHED

Assembled Jan. 1960 by G.F.J. & E.J.W. Checked Dec: 1960 by H.F.C.

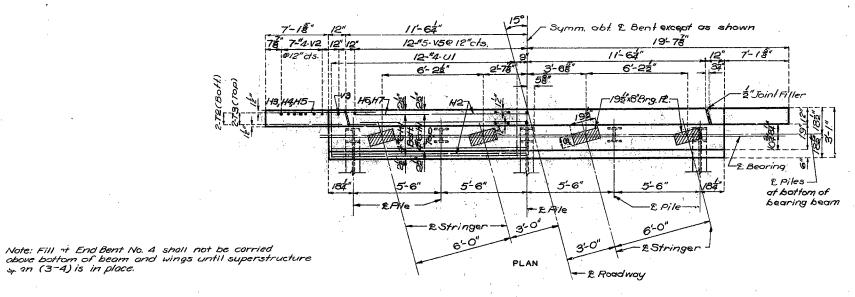
SULLIVAN

### MISSOURI STATE HIGHWAY DEPARTMENT

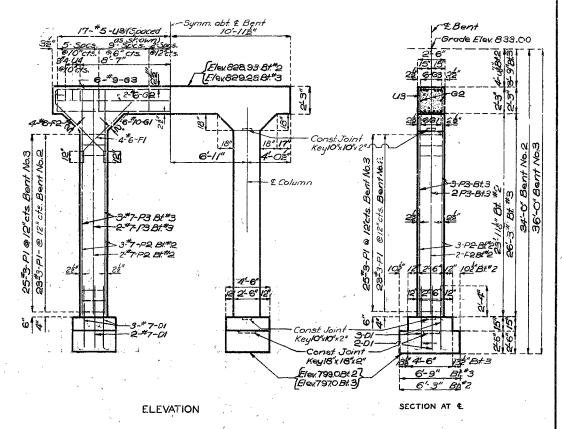


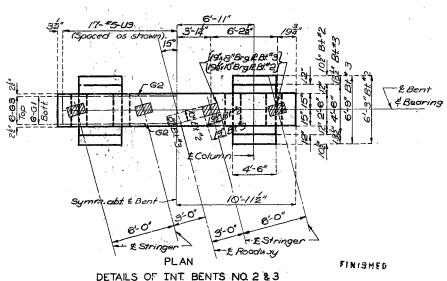
SECTION AT &

**ELEVATION** 



DETAILS OF END BENT NO. 4





BRIDGE OVER LOCUST CREEK

SULLIVAN

STATE ROAD FROM MILAN NORTHWESTERLY TO BAIRDSTOWN ABOUT 4.0 MILES N.W. OF MILAN (SOO) STA 285+96.1 FINISHED PROJECT NO. \$-2154(I)

COUNTY

N-973

Sheef No. 3 of 7

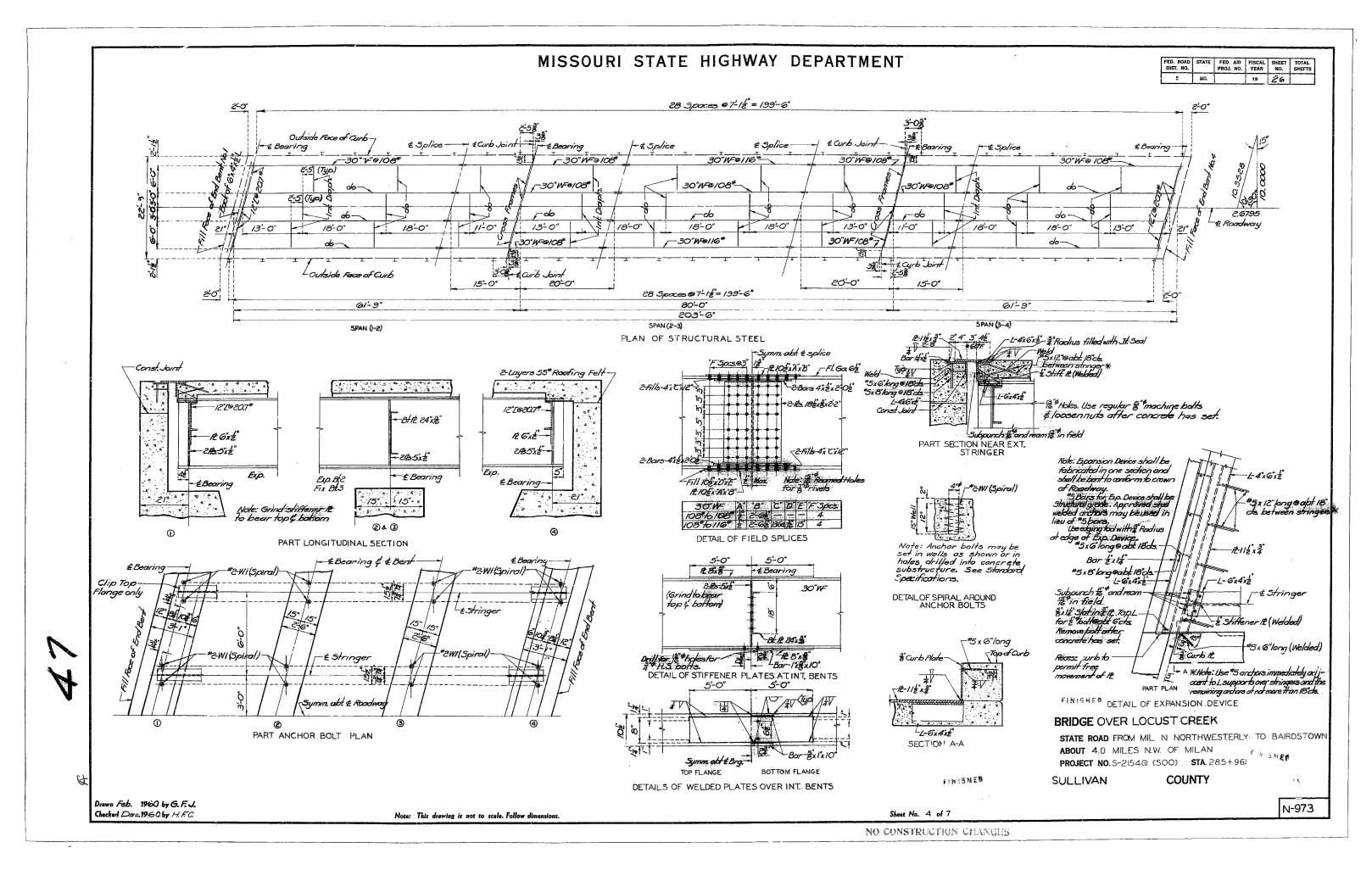
Assembled Jan. 1960 by G.F.J. & E.J.W.&B.W.D. Checked Dec. 1960 by H.F.C.

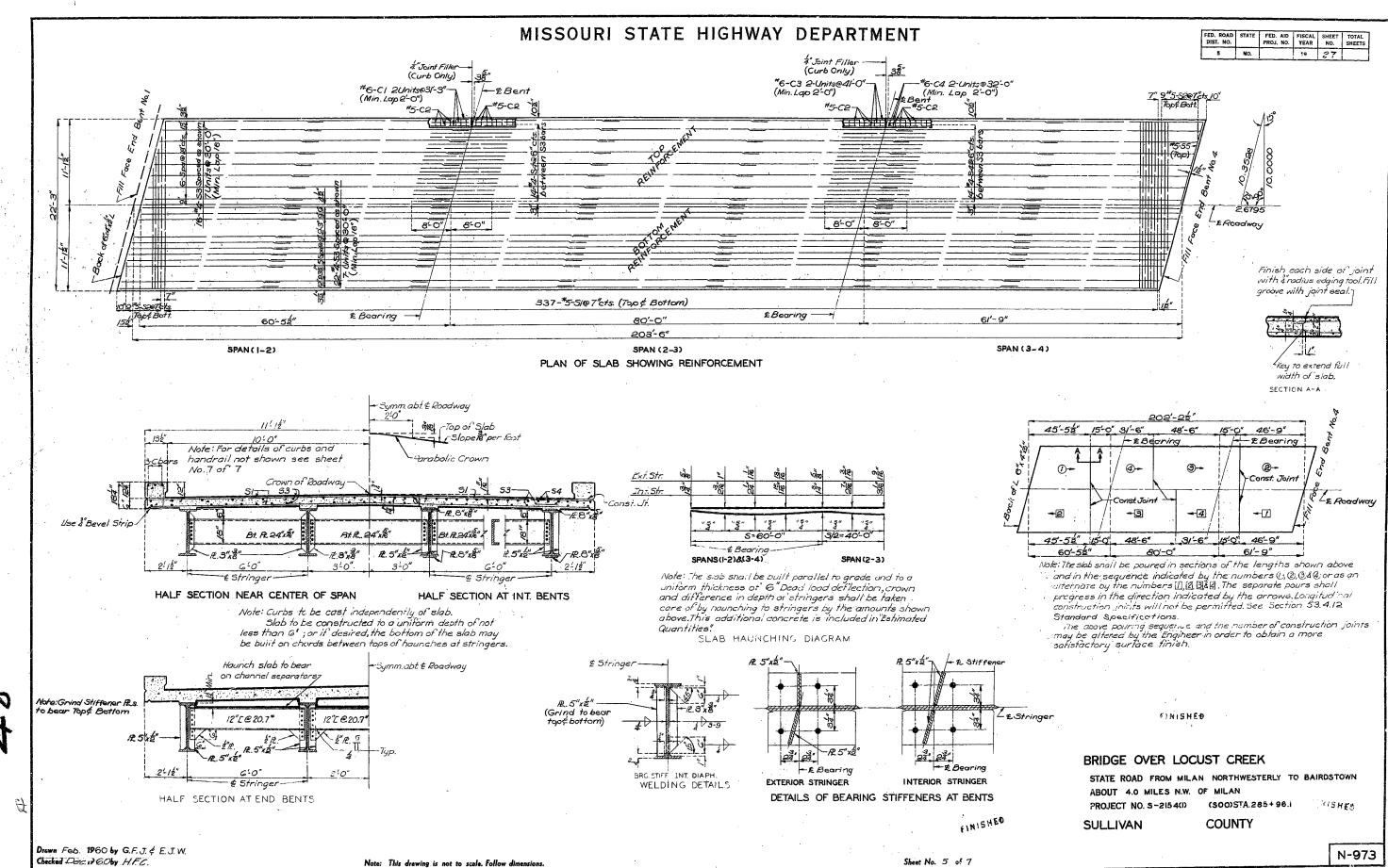
Note: This drawing is not to scale. Follow dimensions.

SEE FINAL PLANS BROWN-LINES

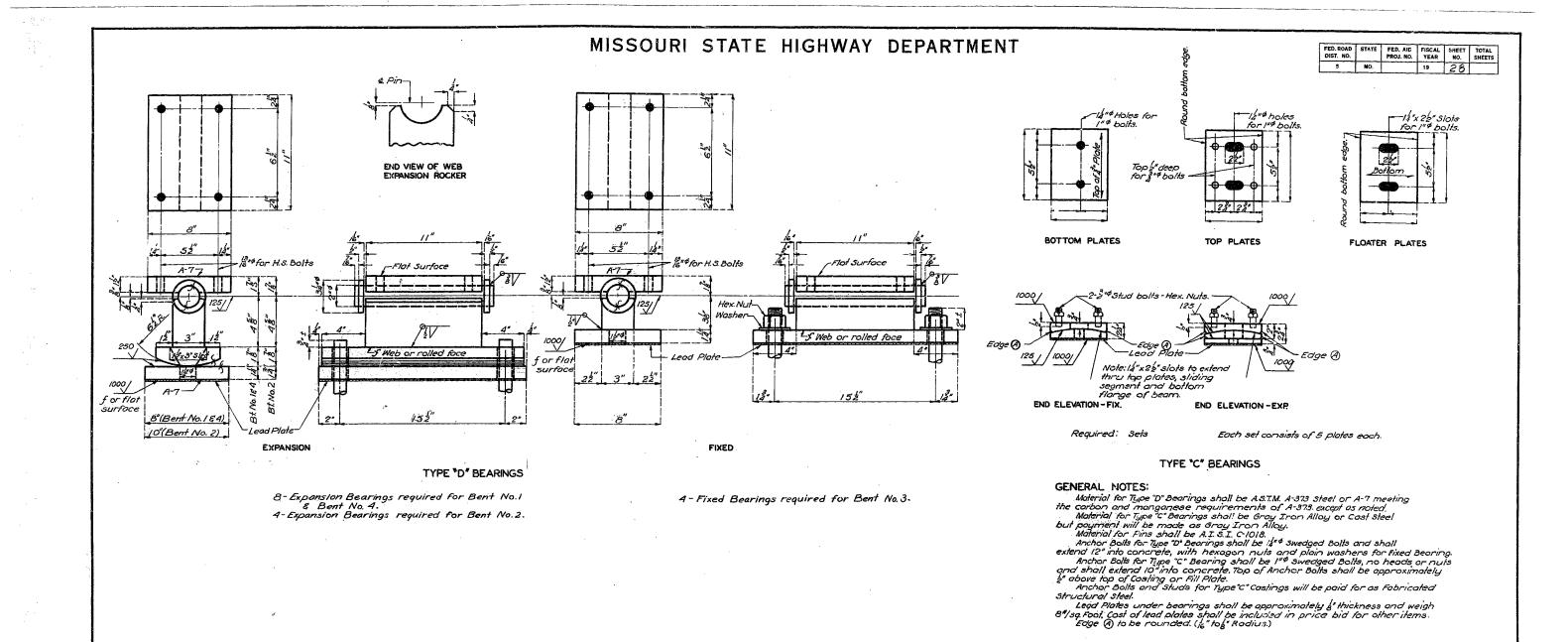
FINISHED

I-Bm. conc. cap Type End Bt. on Piles with conc. Int. Bent 4-1-59





NO CONSTRUCTION CHANGES



FINISHEW

BRIDGE OVER LOCUST CREEK

STATE ROAD FROM MILAN NORTHWESTERLY TO BAIRDSTOWN ABOUT 4.0 MILES N.W. OF MILAN

(SOO)STA. 285+96.1 PROJECT NO. S-2154(I)

SULLIVAN

COUNTY

FINISHED

Assembled Mar. 1960 by G.F.J. & B.W.D. Checked Dec. 1960 by H.F.C.

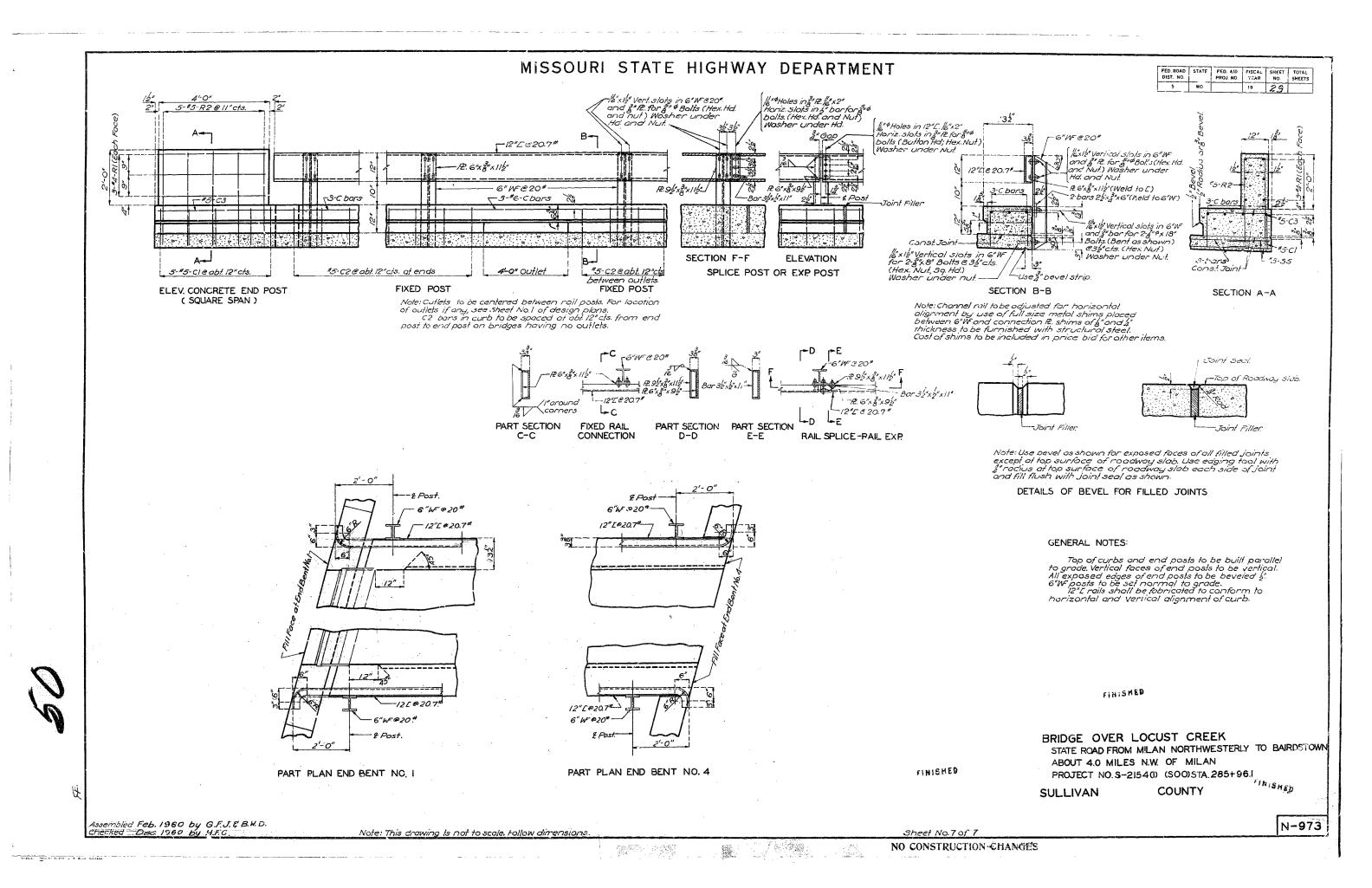
Note: This drawing is not to scale. Follow dimensions

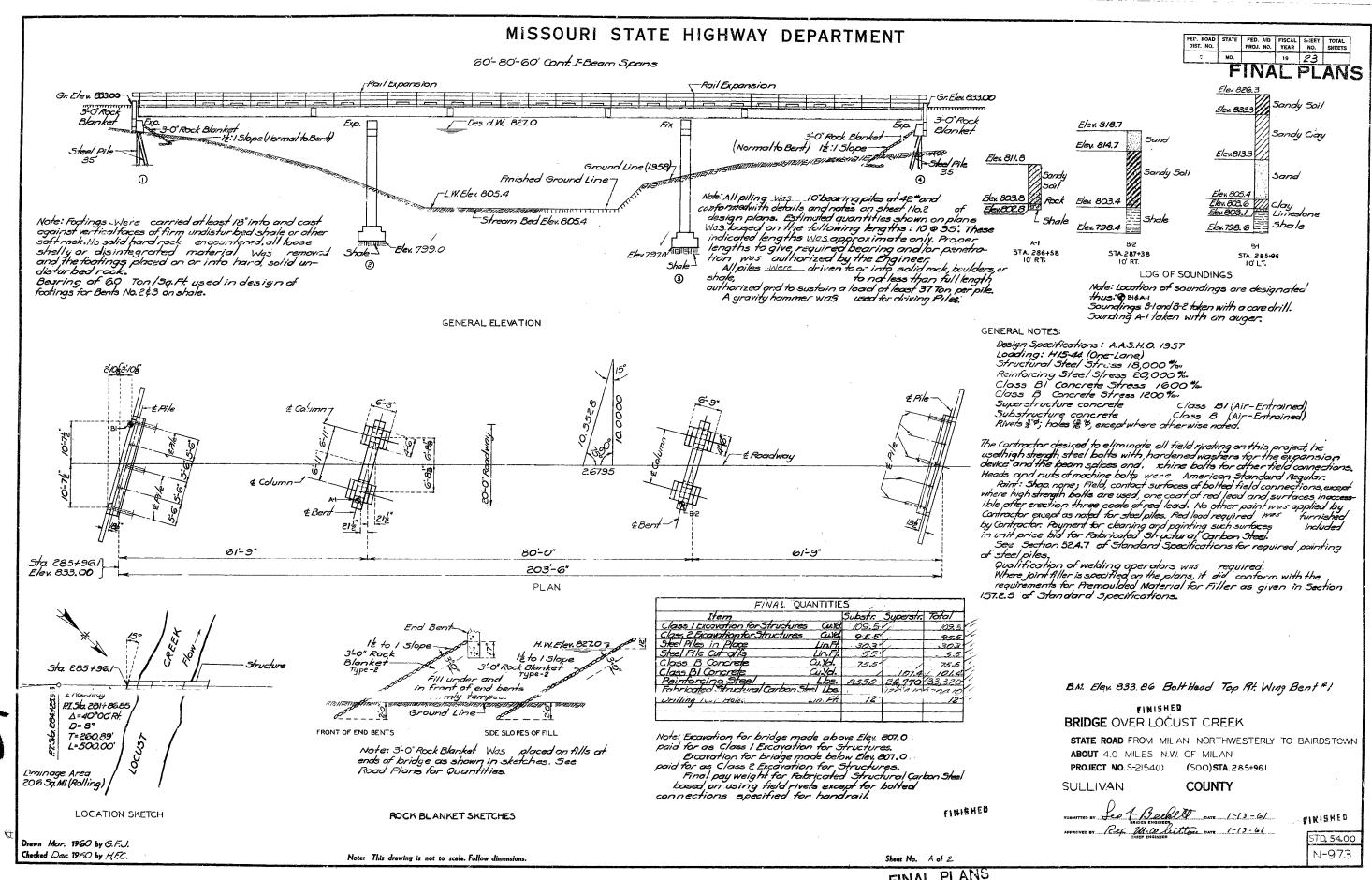
FINISHED

Sheel No.6 of 7

N-973

NO CONSTRUCTION CHANGES

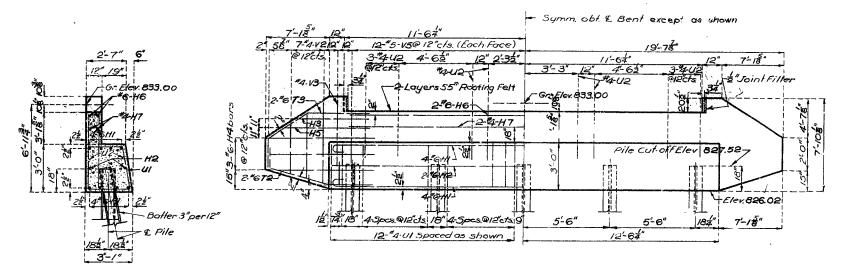




FINAL PLANS

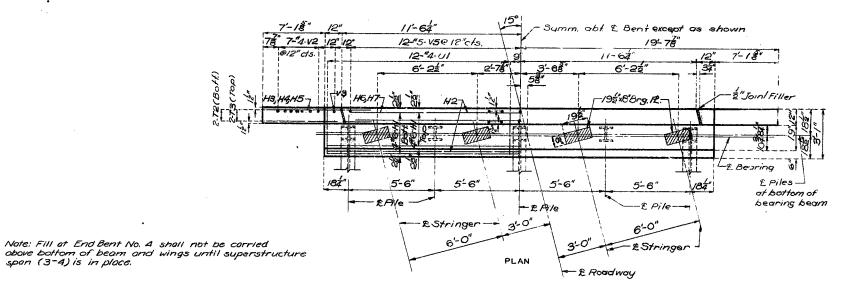
### MISSOURI STATE HIGHWAY DEPARTMENT

### FINAL PLANS

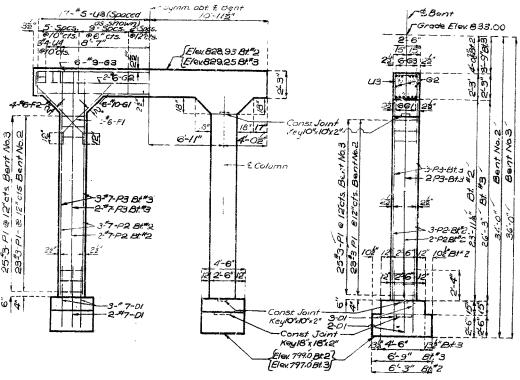


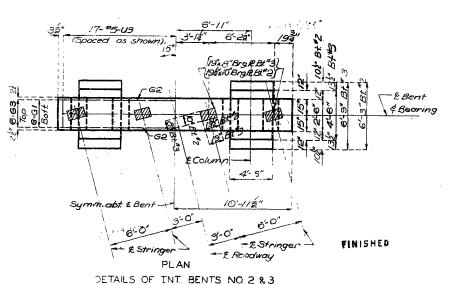
SECTION AT &

ELEVATION



DETAILS OF END BENT NO. 4





ELEVATION

BRIDGE OVER LOCUST CREEK

STATE ROAD FROM MILAN NORTHWESTERLY TO BAIRDSTOWN ABOUT 4.0 MILES N.W. OF MILAN

SULLIVAN

PROJECT NO. 5-2154(1) (SO()) STA 285+96.1

COUNTY

SECTION AT &

gakeiste.

Note: This drawing is not to scale Follow dimensions.

Sheef No. 3A of 2

FINISHED

N-973 I-Bm. conc. cap Type End Bt. on Piles with sons Int. Bent

Bridge Number:	Route/County:
ND973	OO/Sullivan
	$-\frac{1}{2}$
Asbestos-Containing	g Material Present?
Yes:	No:
If yes, see report	
Structural Ste	aal Dracant?
Yes:	No:
	If No, then skip the following.
Lead-Based Paint	t (LBP) Present?
Yes:	No:
103.	NO.
Trusses LBP?	Girder LBP?
Yes: No:	Yes: No:
163 140	162. NO.
Railing LBP?	Dila LPD2
	Pile LBP?
Yes: No:	Yes: No:

ŧ. p

### **MEMORANDUM**



# Missouri Department of Transportation Construction and Materials Central Laboratory

TO:

**TMS** 

FROM:

Frank Reichart

Environmental Chemist

DATE:

February 25, 2016

**SUBJECT:** 

: Materials

Asbestos Inspection & Heavy Metal Paint Survey

Route OO Bridge N-0973 Sullivan 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/n0973/dr1602253.docx Attachments

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

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: DATE OF SURVEY: PARCEL NO.:	OO  N/A  NW  Sullivan  February 25, 2016  Bridge N-0973	SURVEYED BY:  CERTIFICATION #:  CERTIFICATION #:  T11811  CERTIFICATION #:  Over L  TYPE(S) OF STRUCTURE(S):  Bridge	Frank Reichart and Diane Roegge 7118110315MOIR11239, F.R. 7118110315MOIR7165, D.R. Over Locust Creek Bridge		
Sample ID	Type of Materials	Location o	Location of Material	Friability Category	Field Measur
16MFJR 097	Asphalt Joint Material	4-Curb Joints		N-ACM	
	Bridge Paint is not a suspect ACM per MSDS's				
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# MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS

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

ROUTE:	00	TESTED BY:	Diane Roegge W				
MODOT JOB NO.:	N/A	CERTIFICATION #:	7118110315MOIR7165, D.R.	7165, D.	ρ. 		
DISTRICT:	WW	SITE ADDRESS:	Over Locust Creek	^			
COUNTY:	Sullivan	TYPE(S) OF STRUCTURE(S):	Bridge				
DATE OF TESTS:	March 14, 2016	waters	**************************************				
PARCEL NO.:	Bridge N-0973						
and many depth of the property of the second							
Sample ID	Type of Material	Location of Material	Frial Cate	Friability Category	Field Measure	Asbestos Type	Percent
A Partie Western Annual Control		None Located	I	INF			
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			THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O				
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# MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS Asbestos Survey Report

All materials requiring removal or special handling.

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: DATE OF TESTS: PARCEL NO.:		OO N/A NW Sullivan March 14, 2016 Bridge N-0973	TESTED BY: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):	Diane Roegge 7118110315MOIR7165, D.R. Over Locust Creek Bridge	J.D.R.		
Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
			None Located	F			
			None Located	II N			and the state of t
			The state of the s		And the state of t		
		The state of the s					
	A CONTRACTOR OF THE PARTY OF TH		TOTAL PROPERTY PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE				- Control of the Cont
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			The second secon				
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				And the second s		***************************************	

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

SURVEYED BY: DATE OF SURVEY:	Frank Reichart February 25, 2016	TYPE(S) OF STRUCTURE(S): Bridge	STRUCT	URE(S): <u>Br</u> —	idge				
					Me (pr	Metals (ppm)			
Sample II)	No samples taken. No painted surfaces located.	As	Ç	Pb	Cd	Se	Ва	Hg	Ag
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	And the state of t								
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	TO THE PROPERTY OF THE PROPERT								
	TO THE REPORT OF THE PROPERTY				The state of the s				

### **MEMORANDUM**



# Missouri Department of Transportation Construction and Materials Central Laboratory

TO:

**TMS** 

FROM:

Frank Reichart

Environmental Chemist, Lead License #110506-300003364

DATE:

October 29, 2018

**SUBJECT:** 

Materials

Job No. N/A

OO/Sullivan County Bridge# N0973

On October 29, 2018, a paint screening for regulated heavy metals was performed on the subject bridge. The following results were obtained:

	18MFJR742
Arsenic (As)	51,123 ppm**
Chromium (Cr)	4,734 ppm
Lead (Pb)	437,767 ppm
	(43.8%)
Cadmium (Cd)	587 ppm
Selenium (Se)	207 ppm
Barium (Ba)	LOD*
Mercury (Hg)	LOD
Silver (Ag)	LOD

<sup>\*</sup>LOD = below the detection limit of the instrument

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/shared documents/asbestos/districts/northwest (nw)/mt/n0973/lbp xrf n0973.docx

<sup>\*\*</sup>ppm = parts per million





December 03, 2024 7:35:31AM

### Missouri Department of Transportation State Bridge Inspection Report

COUNTY: SULLIVAN

MODOT

**DISTRICT: NW** 

**CLASS: STATBR** 

FED-ID: 7393

BRIDGE: N0973

	***GENERAL STRUCTURE INFORMATION	***		***BRIDGE INSPECTION INFORMATION***	
ROUTE: RTOOS	# <b>SPANS</b> : 3	PLACE (	CODE: 58880 POLK	DATE: 08/15/2023 RESPONSIBILITY: DISTRICT	
FEATURE: LOCUST CR	LANES ON: 2	LEN	<b>IGTH:</b> 204 FT 0 IN	FREQUENCY: 24 CALCULATED INTERVAL**: 24	
STATUS: A-OPEN	LANES UNDER: 0		<b>SPAN:</b> 80 FT 0 IN	TEAM LEADER: BRYCE ACTON ELEMENT: NO	
<b>LOG MILE:</b> 2.550	COMPASS DIRECTION: SOUTH to NORTH	APPROACH ROAD	<b>DWAY:</b> 20 FT 0 IN	INSPECTOR 2: INSPECTOR 4:	
<b>DETOUR:</b> 19.00 MILES	<b>DIRECTION OF TRAFFIC:</b> 2-WAY TRAF	CURB TO (	CURB: 20 FT 0 IN	INSPECTOR 3:	
NHS: NO	FUNCTIONAL CLASS: RL-MAJOR COLLECTOR		<b>OUT:</b> 22 FT 4 IN	** When calculated interval exceeds the frequency, a justification comment per BIRM is required.	
<b>BUILT:</b> 1961	NBI OWNER: MODOT		AADT: 572	GENERAL INSPECTION COMMENTS	
REHAB:	NBI MAINTAINED: MODOT		YEAR: 2023	GENERAL INSPECTION COMMENTS	
LOCATION: S 17 T 63 R 20 W	MAINTENANCE DISTRICT: NW		RUCK: 12.4%		
<b>LATITUDE:</b> 40 15 30.50 (DMS)	MAINTENANCE COUNTY: SULLIVAN	FUTURE A			
<b>LONGITUDE:</b> 93 9 59.04 (DMS)	SUB AREA: 7A38	FUTURE AADT Y	YEAR: 2043		
Add DD A COLUDE COL	TICAL INCRECTION INCODMATION				
	TICAL INSPECTION INFORMATION***			*INDEPTH INSPECTION INFORMATION***	
DATE: RESPONS			DATE:	RESPONSIBILITY: CATEGORY:	
FREQUENCY: CALCULATED INT			1	CULATED INTERVAL**: NBI:	
	ECTOR 3: METHOD:		TEAM LEADER:	INSPECTOR 3: METHOD:	
INSPECTOR 2: INSP	ECTOR 4:		INSPECTOR 2:	INSPECTOR 4:	
** When calculated interval exceeds the frequency, a justif	fication comment per BIRM is required.		** When calculated interval exceeds the fr	requency, a justification comment per BIRM is required.	
	1				
ED ACTURE C	RITICAL INSPECTION COMMENTS			INDEPTH INSPECTION COMMENTS	
***SPECIAL	INSPECTION INFORMATION***		***UNDERWATER INSPECTION INFORMATION***		
FREQUENCY: 72 CALCULATED INTERPRETARY LEADER: SCOTT STEPHENS INSPIRED	ERVAL**: 12  NBI: NO ECTOR 3:  ECTOR 4:	CATEGORY: CHANNEL CROSS SECTION BILITY: DISTRICT CATEGORY: DRY  NBI: NO METHOD: WT TAPE  DATE: 08/15/2023 RESPONSIBILITY: DISTRICT CATEGORY: DRY  FREQUENCY: 60 CALCULATED INTERVAL**: 24 NBI: NO METHOD: VISUAL  INSPECTOR 2: INSPECTOR 4:			
			UNDERWATER INSPECTION COMMENTS		
SPECIAL	L INSPECTION COMMENTS			UNDERWATER INSPECTION COMMENTS	
	R SPECIAL INSPECTIONS			OTHER UNDERWATER INSPECTIONS	
<u>DATE</u> <u>FREQUENCY</u> <u>CATEGORY</u> <u>N</u>	NBI CALCULATED INTERVAL RESPONSIBILITY	<u>METHOD</u>	<u>DATE</u> <u>FREQUENCY</u> <u>CATE</u>	CGORY NBI CALCULATED INTERVAL RESPONSIBILITY METHOD	

MoDOT

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

December 03, 2024 7:35:31AM

DISTRICT: NW

FFD\_ID: 7303

RRIDGE: N0073

COUNTY: SULL	IVAN DISTRICT: N	N	CLASS: STATBR	FED-ID: 7393	BRIDGE: N0973	
			***STRUC	TURE POSTING***		
APPROVED CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED  Ton 2:		Ton 3:			
FIELD CATEGORY: S-1 Ton 1: COMMENTS:	NO POSTING REQUIRED Ton 2:		Ton 3:	PROBLEM:	PROBLEM DIRECTION:	
		**	**GENERAL COMMI	ENTS/MAJOR RATED ITEMS**	**	
GENERAL COMMENTS: (BOWDEJ1, 0	)2/03/2010)(61'-80'-61') CONT NON-COM	P WF GDR SPANS				
	: 3-SERIOUS CONDITION : 09/09/2021	COMMENTS	S: (STEPHS2, 12/30/2015)]	DECK SATURATION		
	e: 6-SATISFACTORY CONDITION : 12/30/2015	COMMENTS	S: (STEPHS2, 12/30/2015)I	BEAM RUSTING		
	<b>3:</b> 7-GOOD CONDITION <b>3:</b> 05/18/2001	COMMENTS	: (ACTONB1, 08/24/2023)-	-SCALING @ COLUMNS		
[ITEM 61] BANK/CHANNEL RATING	: 5-MAJOR DAMAGE : 12/30/2015	COMMENTS	(ACTONB1, 08/24/2023)-	-SLOPE EROSION -CONSIDERABLE BANK EROSION		
1	: 8-STABLE FOR CALCULATED : 05/18/2001 :	COMMENTS	: (ACTONB1, 08/24/2023)-	-MINOR SCOUR @ BENT 3 COLUMNS	S	
[ITEM 71] WATERWAY ADEQUACY RATING	7: DECK ABOVE FLOOD ELEV : 05/18/2001	COMMENTS	:			
[ITEM 72] APPRRDWY ALIGNMENT RATING	C: 6-SATISFACTORY : 05/18/2001	COMMENTS	<b>:</b> :			
		***RAILING	AND APPROACH PA	VEMENT COMPONENTS AND	RATINGS***	
[ITEM 36A] BRIDGE RAILING RA	TING: DOESNT MEET CURRNT STND-0		<b>RATING</b> : 02/22/2004	COMMENTS:		
<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CURB	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>			
STEEL	CHANNEL-12"	BOTH				
[ITEM 36B] TRANSITION RAILING RA	ATING: NOT PROVIDED-0		RATING: 05/18/2001	COMMENTS:		
[ITEM 36C] APPROACH RAILING RA	ATING: NOT PROVIDED-0		RATING: 05/18/2001	COMMENTS:		
[ITEM 36D] RAIL END TREATMENT RA	TING: NOT PROVIDED-0		RATING: 05/18/2001	COMMENTS:		
Design No = n0973						

MoDOT

### Missouri Department of Transportation State Bridge Inspection Report

December 03, 2024 7:35:31AM

**COUNTY: SULLIVAN** 

DISTRICT: NW

**CLASS: STATBR** 

**FED-ID: 7393** 

BRIDGE: N0973

	COUNTY: SULLIVAN	DISTRICT: NW	CLASS: STATBR	FED-ID:	7393	BRIDGE: NO	973	
APP	ROACH PAVEMENT: *Overall co	ondition assigned for each approach pavemen	et component is shown below.					
MATER		STRUCTION DIRECTION	_	<u>MMENTS</u>				
ASPHA		MINOUS MAT BOTH	FAIR	<u>MMENTS</u>				
715111	EI BITCH	III OCO WA II	174110					
		***DRAINAGE, EXPA	NSION DEVICES, BANK/SLO	PE, AND DECK PRO	OTECTIVE CO	MPONENTS***		
DECK PROTECTIVE CO				,				
SERIES TYPE-#	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	· · · · · · · · · · · · · · · · · · ·	<u>YEAR APPLIED</u>	<u>MANUFACTURE</u>	OVERALL CONDITION	
MAIN SERIES-1	WEARING SURFACE	ASPHALT	BITUMINOUS SEAL COAT	.3 IN			POOR	
<u>COMMEN</u>	<u>VT:</u>							
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u> <u>SE</u>	<u>CVERITY</u> <u>COM</u>	<u>MMENT</u>			
	DEBONDING	THROUGHOUT	N	MINOR				
	MAP CRACKS	THROUGHOUT		MANY				
	POT HOLES	THROUGHOUT	N	MANY				
	DECK PROTECTION	NOTAPPLICABLE	NONE					
COMMEN		NOTAL LECTION	NONE					
COMMEN	<u>v1:</u>							
	MEMBRANE	NOTAPPLICABLE	NONE					
golden.		NOTALLECABLE	NONE					
<u>COMMEN</u>	<u>VT:</u>							
DD 41N 4CE COMPONE	NUTC							
DRAINAGE COMPONE								
	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
	DRAINAGE	REINFORCED CONCRETE	CURB OUTLET					
EVE ANGLON DELVICE C	OLIDANENTO							
EXPANSION DEVICE C SUB UNIT-#		PONENT MATER	<u>CONSTR</u>	UCTION	GAP YEAR	<u>R APPLIED</u> <u>MANUF</u>	ACTURE OVERALL CONDITION	
ABUTMENT-1		PANSION JOINT STEE			<u>dar</u> <u>ILar</u>	<u> MAINUL</u>	FAIR	
	VT: (BOWDEJ1, 10/27/2004)CO			2.112				
COMMEN	(BOWDEJ1, 10/2//2004)CO	VERED WITH MAI						
DANK/GLODE DROTEG	TION COMPONENTS.							
BANK/SLOPE PROTECT		MATERIAL	CONCERNICEION	DIDECTION	COMMENTS			
	<u>COMPONENT</u> BANK PROTECTION	<u>MATERIAL</u> ROCK	<u>CONSTRUCTION</u> BLANKET	<u>DIRECTION</u> BOTH	<u>COMMENTS</u>			
	BANK PROTECTION	ROCK	BLANKEI	ВОІН				
			***DECK COM	IPONENTS***				
an Al man "	COMPONENT	34 1mmn 11						
<u>SPAN TYPE-#</u> MAIN SPANS-1	<u>COMPONENT</u> DECK	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE	<u>COMMENTS</u>				
	DECK CONDITION			ERITY MEASUREM	MENT COMME	'NT		
_	TERIORATION	OVERHANGS		NOR	<u>COMME</u>	<u> </u>		
	FLORESCENCE	THROUGHOUT		ERATE				
	PATCHES	THROUGHOUT		ANY				
	SATURATION	THROUGHOUT		AVY 50 %				
TRAN	SVERSE CRACKS	THROUGHOUT	MODI	ERATE				
MAIN SPANS-2	DECK	REINFORCED CONCRETE	CAST-IN-PLACE					
	<u>CONDITION</u>			ERITY <u>MEASUREM</u>	MENT COMME	NT		
							<del>-</del>	

December 03, 2024 7:35:31AM

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

COUNTY: SULLIVAN DISTRICT: NW CLASS: STATBR FED-ID: 7393 BRIDGE: N0973

OVERHANGS MINOR DETERIORATION **MODERATE** EFFLORESCENCE THROUGHOUT FULL DEPTH PATCHES THROUGHOUT MANY **PATCHES** THROUGHOUT MANY SATURATION THROUGHOUT HEAVY TRANSVERSE CRACKS THROUGHOUT **MODERATE** 

MAIN SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE

LOCATION 2 **SEVERITY CONDITION LOCATION 1 MEASUREMENT COMMENT** DETERIORATION **OVERHANGS MINOR MODERATE** EFFLORESCENCE THROUGHOUT THROUGHOUT PATCHES MANY SATURATION THROUGHOUT HEAVY 50 % TRANSVERSE CRACKS THROUGHOUT MODERATE

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

50 %

 SERIES TYPE-#
 SPAN TYPE
 MATERIAL
 CONSTRUCTION
 LABEL
 COMMENTS

 MAIN SERIES-1
 CONTINUOUS SPAN
 STEEL
 WIDE FLANGE GIRDERS

 SPAN
 COMPOSITE INDICATOR
 LENGTH
 WEATHERING STEEL
 COMMENTS

MAIN SPANS-1 NON-COMPOSITE 61 FT 9 IN NO

CONDITIONLOCATION 1LOCATION 2SEVERITYMEASUREMENTCOMMENTRUSTINGTOP FLANGEMODERATE

MAIN SPANS-2 NON-COMPOSITE 80 FT 0 IN NO

CONDITION<br/>RUSTINGLOCATION 1<br/>TOP FLANGELOCATION 2<br/>LOCATION 2<br/>MODERATESEVERITY<br/>MODERATEMEASUREMENT<br/>MODERATECOMMENT

MAIN SPANS-3 NON-COMPOSITE 61 FT 9 IN NO

CONDITION<br/>RUSTINGLOCATION 1<br/>TOP FLANGELOCATION 2<br/>LOCATION 2<br/>MODERATESEVERITY<br/>MODERATEMEASUREMENT<br/>MODERATECOMMENT

### \*\*\*SURSTRUCTURE COMPONENTS\*\*\*

				SUBSTRUCTU	KE COMI	ONENIS		
<u>SUBSTRUCTURE</u>	<u>SKEW</u>	<u>LENGTH</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>LABEL</u>	<u>COMMENTS</u>		
ABUTMENT-1	LA-15 DEGREES	25 FT 1 IN	REINFORCED CONCRETE	<i>NON-INTEGRAL</i>				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>s</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<b>COMMENT</b>
<u>ASSOCIATE</u>	D COMPONENT	<u>MAT</u>	<u>ERIAL</u>	<u>CONSTRUCTION</u>				
BEAM CAP		REIN	FORCED CONCRETE	CAST-IN-PLACE				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>S</u> .	<u>EVERITY</u>	<u>MEASUREMENT</u>	<b>COMMENT</b>
	SEALED		BEAM CAP		ASPI	HALTICBASE		
PILING		STEI	EL	H-SHAPE				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>S</u> .	<u>EVERITY</u>	MEASUREMENT	<b>COMMENT</b>
STRAIGHT	WINGS	REIN	FORCED CONCRETE	CAST-IN-PLACE				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>S</u> .	<u>EVERITY</u>	<u>MEASUREMENT</u>	<b>COMMENT</b>
BACKWALI	ı.	REIN	FORCED CONCRETE	CAST-IN-PLACE				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>S</u> .	<u>EVERITY</u>	MEASUREMENT	<b>COMMENT</b>
	SHOVING		THROUGHOUT			MINOR		
EXPANSION	N BEARING	STEI	EL	ROCKER				
	<b>CONDITION</b>		<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>S</u> .	<u>EVERITY</u>	<u>MEASUREMENT</u>	<b>COMMENT</b>
	RUSTING		THROUGHOUT		]	MEDIUM		

Design No = n0973

MODOT

December 03, 2024 7:35:31AM

### Missouri Department of Transportation State Bridge Inspection Report

COUNTY: SULLIVAN DISTRICT: NW CLASS: STATBR FED-ID: 7393 BRIDGE: N0973

BENT-2	LA-15 DEGREES CONDITION	21 FT 11 IN REINFORCED CONCRETE  LOCATION 1	MULTIPLE COLUMN <b>LOCATION 2</b>	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATE	TD COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	LOCATION 1	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<b>COMMENT</b>
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE			
Cozemi	<b>CONDITION</b>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	SCALING	WATERLINE	20 0.1110112	LIGHT	MENTO CHEMIENT	<u>COMMUNICATION</u>
FOOTING	SCALING	REINFORCED CONCRETE	SPREAD	LIGITI		
reemve	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
EXPANSION		STEEL	ROCKER	<u>22, 211111</u>		001/11/12111
EMANOIOI	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
	CONDITION	<u>Boennon 1</u>	200/11101112	<u>SEVERITI</u>	MENISCREMENT	COMMENT
DENTE 1	I A 15 DECREES	ALEE IL DI DEDIEGDOED CONODERE	MAIL TIDLE COLLINAL			
BENT-3	LA-15 DEGREES	21 FT 11 IN REINFORCED CONCRETE	MULTIPLE COLUMN	CEVEDITY	ME ACUDEMENT	COMMENT
1000 CL 17F	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	<u> D COMPONENT</u>	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAP	COMPUTION	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBIAN	ME AGUNE MENT	COLUMENT
~~~~	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	~ ~ · · · · · · · · · · · · · · · · · ·	REINFORCED CONCRETE	CAST-IN-PLACE	a		~~~~~~
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	SCALING	WATERLINE		LIGHT		
FOOTING		REINFORCED CONCRETE	SPREAD	-		
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FIXED BEA		STEEL	PEDESTAL(ROTATING)			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-4	<i>LA-15 DEGREES</i>	25 FT 1 IN REINFORCED CONCRETE	INTEGRAL			
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<b>COMMENT</b>
ASSOCIATE	TD COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>	·		
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<b>CONDITION</b>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<b>SEVERITY</b>	<b>MEASUREMENT</b>	<b>COMMENT</b>
	SEALED	BEAM CAP		ASPHALTICBASE		
PILING		STEEL	H-SHAPE			
	<b>CONDITION</b>	LOCATION 1	LOCATION 2	<b>SEVERITY</b>	MEASUREMENT	<b>COMMENT</b>
STRAIGHT	WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	COMMENT
BACKWALI		REINFORCED CONCRETE	CAST-IN-PLACE	<u></u>		
Brichtwitt	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
	SHOVING	THROUGHOUT	20 0.111011 #	MINOR	ALLE CHEMILETTE	COMMINICAL
EXPANSION		STEEL	ROCKER	MON		
LATANSIO	CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<b>MEASUREMENT</b>	<u>COMMENT</u>
	RUSTING	THROUGHOUT	200:1110:112	MEDIUM	THE ISORBINE!	COMMENT
	KOSTINO	THROUGHOUT		MEDIOM		

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

**CLEARANCES OVER DECK** 

MODOT

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

VERTICAL CLEARANCE TYPE\*\*

**VALUE** 

**DIRECTION** 

**DATE** 

**COMMENT** 

December 03, 2024 **Missouri Department of Transportation** 7:35:31AM

**State Bridge Inspection Report** 

**COUNTY: SULLIVAN** 

MODOT

CLEARANCES UNDER BRIDGE

**DISTRICT: NW** 

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

**CLASS: STATBR** 

**FED-ID: 7393** 

**BRIDGE: N0973** 

RECORD # **ROUTE DIRECTION OF TRAFFIC** RIGHT LATERAL CLEARANCE LEFT LATERAL CLEARANCE **UR-ID** # LANES **VERTICAL CLEARANCE TYPE\*\* VALUE DIRECTION DATE COMMENT** \*\*\*STRUCTURE PAINT INFORMATION\*\*\* **CONDITION: FAIR RUST AMOUNT:** 6=1.0% OF SURFACE RUSTED STEEL TONS: 60 **ORIGINAL PAINT CONTRACT REPAINT** DEPARTMENT REPAINT **PAINT TYPE:** A SYSTEM PAINT TYPE: **PAINT TYPE:** S SYSTEM **MANUFACTURE:** ARMOR SHIELD **NAME:** RED LEAD NAME: NAME: CAL SULPH/LEAD PAINT **SURFACE PREP:**HAND CLEANED **PAINT COLOR: ALUMINUM PAINT COLOR: PAINT COLOR:** GRAY PAINT YEAR: 1963 **PAINT YEAR:** PAINT YEAR: 2006 MILS: 4MILS: **MILS**: 15 \*\*\*REQUESTED WORK ITEMS\*\*\* **GENERAL WORK COMMENTS: LOCATION ITEM** RESPONSIBILITY **CATEGORY** PRIORITY DATE **WORK ITEM COMMENT** \*\*\*UTILITY ATTACHMENTS\*\*\* **UTILITY OWNER METHOD MEASUREMENT TYPE** UTILITY ATTACHMENT COMMENT **VALUE NUMBER** \*\*\*PROGRAM NOTES INFORMATION\*\*\* PROJECT# **MONTH LET** YEAR LET **ITEMS COMMENT** 

**YEAR** 



### Missouri Department of Transportation State Bridge Inspection Report

December 03, 2024 7:35:31AM

COUNTY: SULLIVAN DISTRICT: NW CLASS: STATBR FED-ID: 7393 BRIDGE: N0973

COUNTI. SULI	DISTRICT. IVV	CLASS. STATER	FED-ID. 7373	DRIDGE, 110773		
***COMP	UTER GENERATED RATINGS AND	DEFICIENCY ITEMS***		***ADVANCED S	SIGN INFORMATION**	**
NOTE: The items listed in this section are u	updated whenever computer edits are ran on a struc	ture after the inspection updates have been entered in to TMS	· SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
Rated Item	Rating	Rating Date	1	C - IDHW		
[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	3/20/2002				
[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	3/20/2002				
[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001				
Sufficiency Rating:	47.1%	3/7/2024				
Deficiency:	STRUCTURAL	1/4/2016				
Funding Eligibility:	FULL			***OUTFALL INSPI	ECTION INFORMATIO	N***
Estimated New Structure Length:	240 FT.					
Estimated Structure Cost:	\$1,391,760		# OUTFALLS:	INS	PECTOR:	
Estimated Total Project Cost:	\$2,087,640		STATUS:		DATE:	
Year of Cost Estimate:	2024		NOTES:			
generalized to use NBI items to come up with	estimates are computer generated using algorithims a new structure length and width to calculate a ne at may vary significantly from these numbers once	w area which is taken times a representative cost per				

### **Missouri Department of Transportation State Bridge Inspection Report CLASS: STATBR**

**December 03, 2024** 7:35:31AM

**DISTRICT: NW** 

**FED-ID: 7393** 

BRIDGE: N0973

 $Design\_No = n0973$ 





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

COUNTY: SULLIVAN N0973 REVIEW STATUS: APPROVED T **BRIDGE:** NBI STATUS: 11/27/2024 2024 ROUTE CARRIED 'ON' STRUCT **RECORD TYPE: RUN DATE: SUBMITTAL YEAR:** GENERAL STRUCTURE INFORMATION ROUTE DESIGNATION INFORMATION ROUTE CARRIED 'ON' STRUCT State MISSOURI 5A Record Type MO District 5B NW Route Signing Prefix MAINLINE **SULLIVAN** County 5C Designated Level of Service 00000 7393 8 Federal ID No. 5D Route Number 1961 NOT APPLICABLE 27 5E Year Built Directional Suffix RT OO S 106 0 7 Year Reconstructed Facility Carried NO HIGHWAY Type of Service On 12 Base Hwv. Network STATE HIGHWAY AGENCY 21 Structure Maintenance 13A LRS Inventory Route No. STATE HIGHWAY AGENCY 22 Structure Owner 13B Subroute No. 33 NO MEDIAN Toll Status ON FREE ROAD Br. Median Code 20 07-RURAL MAJOR COLLECTOR 37 Historical Significance NOT ELIGIBLE FOR NR OF HP 26 Functional Classification NONE EXISTS 101 28A Parallel Struc Desg Lanes on Structure NOT TEMPORARY Temporary Structure 103 RTE NOT A DEFENSE HWY 100 STRAHNET Designation NBIS Bridge Length YES NOT ON NHS National Highway System 104 NOT APPLICABLE 105 Federal Lands Highway 110 Designated Nat. Network STRUCTURE LOCATION INFORMATION STRUCTURE TRAFFIC INFORMATION 572 4 Place **POLK** 29 AADT 58880 2023 Code 30 AADT Year 2-WAY TRAFFIC S 17 T 63 N R 20 W Location 102 Direction of Traffic 2.57 miles 11 Milepoint 12% 109 AADT Truck Percent 16 Latitude 40 D 15 M 31 S 715 114 Future AADT 93 D 9 M 59 S 17 Longitude 2043 115 Future AADT Year UNDERRECORD INFORMATION STRUCTURE GEOMETRIC INFORMATION 6 LOCUST CR 10 99 Ft. 99 In. Features Intersected Inventory Rte. Vert. Clear 42B WATERWAY 19 19.38 miles Type of Service Under By pass Detour Length 00 28B Lanes Under Structure 32 Approach Roadway Width 20 Ft. 0 In. N/A 15.00 Degrees 54A Vert. Clearance Ref. 34 Skew 54B Vert. Clearance 0 Ft. 0 In. 35 Struct. Flared Rt. Lat Clear Ref. N/A Total Horiz. Clear 20 Ft. 0 In. 55A 47 55B Rt. Lat Clearance 0 Ft. 0 In. 48 Maximum Span Length 80 Ft. 1 In. 204 Ft. 1 In. Left Lat Clearance 0 Ft. 0 In. 49 Structure Length PERMIT NOT REQ Navigation Control 50A 0 Ft. 0 In. Left Curb/Sidewalk Width Nav Vertical Clear 0 Ft. 0 In. 39 50B Right Curb/Sidewalk Width 0 Ft. 0 In. 0 Ft. 0 In. Curb to Curb Br. Width 20 Ft. 0 In. 40 Nav Horizontal Clear 51 22 Ft. 4 In. Nav. Pier Protection 52 Deck Width (Out-Out) 111 99 Ft. 99 In. Nav. Cl. Vert. Clear 53 Vert.Clearance Over Deck





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

COUNTY: SULLIVAN BRIDGE: N0973 REVIEW STATUS: APPROVED NBI STATUS: T

RECORD TYPE: ROUTE CARRIED 'ON' STRUCT RUN DATE: 11/27/2024 SUBMITTAL YEAR: 2024

RECORD TYPE: ROUTE CARRIED ON STRUCT	RUN DATE: 11/21/2024 SUBMITTAL TEAR: 2024
LOAD RATING AND POSTING INFORMATION	MATERIAL/CONSTRUCTION INFORMATION
31         Design Load         H 15           41         Structure Status         OPEN NO RESTRICTIONS           63         Oper. Rating Meth.         ALLOWABLE STRESS           64         Operating Rating         29 Tons.           65         Inventory Rating Meth         ALLOWABLE STRESS           66         Inventory Rating         16 Tons.           70         Bridge Posting Code         =>LEGAL LOADS   PROPOSED IMPROVEMENT INFORMATION	43A Main Struc. Mat type STEEL CONTINUOUS  43B Main struc Constr. Type STRINGER/MULTIBEAM - GRD  45 # of Main Spans 3  44A Appr Struc. Mat type 000  44B Appr Struc. Cnstr. type 000  46 # of Approach Span 0  107 Deck Mat/Constr. 1 CONCRETE CIP  108A Wear Surf Mat/Constr. 6 BITUMINOUS  108B Membrane Mat/Constr. 0 NONE
Sufficiency Rating 47.1 Percent Deficiency Rating STRUCTURAL	108C Deck Protect Mat/Constr. 0 NONE
Funding Eligibility FULL  75A Proposed Work REPLACEMENT SUBSTND LOAD  75B Work Done By Contract  76 New Struc Length 239 Ft. 6 In.  94 Struc Improve Cost \$1,392,000  95 Roadway Improve Cost \$139,000	CONDITION RATING INFORMATION           58         Deck Cond. Rating         3           59         Superstructure Cond. Rating         6           60         Substructure Cond. Rating         7           61         Channel /Channel Protection Cond. Rating         5           62         Culvert Cond. Rating         N
96         Total Project Cost         \$ 2,088,000           97         Year of Cost Estimates         2024	INSPECTION INFORMATION
APPRAISAL RATING INFORMATION  36A Br. Rail App. Rating DOES NOT MEET ACCEPT STND  36B Transition Rail App. Rating DOES NOT MEET ACCEPT STND  36C Approach Rail App. Rating DOES NOT MEET ACCEPT STND  36D Rail End Treat. App. Rating DOES NOT MEET ACCEPT STND  57 Struc Eval App. Rating 4  68 Deck Geometry App. Rating 3  69 Underclearance App. Rating N  71 Waterway Adeq. App. Rating 8  72 Approach Road App. Rating 6  113 Scour Assess App. Rating 8	90 Gen. Insp Date 8 / 23 91 Gen. Insp. Frequency 24 Months 92A Frac. Critical Inspection N Months 93A Frac. Critical Insp. Date 92B Underwater Inspection N Months 93B Underwater Insp. Date 92C Special Inspection N Months 93C Special Inspection Date  BORDER BRIDGE INFORMATION  98 Neighboring State Code 98B Neighboring State % Respon 99 Neighboring State Struc. No.
APPROVED POSTING INFORMATION	FIELD POSTING INFORMATION
Approved Posting Category S-1  Ton1 Ton2 Ton3  Tonnage Values for Posting Sign  General Text for Posting Sign  NO POSTING REQUIRED	Field Posting Category S-1  Ton1 Ton2 Ton3  Tonnage Values for Posting Sign  General Text for Posting Sign  NO POSTING REQUIRED

Design\_No = n0973 and Inventory\_Appraisal\_Submittal\_Year = 2024



# STRUCTURAL REHABILITATION CHECKLIST

			Job No.:		
Route:	00		Over:	Locust Creek	
County:	Sullivan		Date of Field Check	10/25/2022	
	* * * Please includ	de photogra	aphs for all items th	at apply. * * *	
OVERLAY					
* Type of existing ove	erlay:  None	Asphalt	Low Slump   Silica F	ume□ Latex □ Epoxy□ Ot	ther:
* Existing overlay thi	ickness: ? "		* Year overlay was a	pplied: Unkr	nown
* % of overlay repair	red or patched:	<u>%</u>	* Replace overlay:	☐ Yes ☐ No	
* Notes:					
re DSCN2364, DSCN2	2367				
DECK REPAIRS (Dec	ck repair auantities are rec	quired even if a	a Deck Test request has be	en ordered for this structure.)	
	wrepun quantities are req	quir eu ever ij e	v B cent rest request mas ce	on or were early or wills son werearchy	
* Half-sole renairs:		sa ft	* Full denth ren	aire.	sa ft
* Half-sole repairs:  (round up to the n	nearest 50 sq. ft.)	sq. ft.	* Full depth rep (round up to	the nearest 50 sq. ft.)	sq. ft.
	r (patching):	sq. ft.			sq. ft.
* Existing deck repair (round up to the n.  * Slab edge repairs:	ir (patching): nearest 25 sq. ft.)		(round up to	the nearest 50 sq. ft.) e repair (Unformed):	sq. ft.
* Existing deck repair (round up to the n.  * Slab edge repairs:	ir (patching): nearest 25 sq. ft.)	sq. ft.	(round up to	the nearest 50 sq. ft.)	sq. ft.
* Existing deck repair (round up to the n.  * Slab edge repairs:	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge:	sq. ft.	(round up to	the nearest 50 sq. ft.) e repair (Unformed): emaining slab cantilever beyond th	sq. ft.
* Existing deck repair (round up to the n  * Slab edge repairs: (covers the outer 4  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro	ir (patching): nearest 25 sq. ft.)  4" of the slab edge) t slab edge: npairs) o demolition of bridge de	sq. ftlin. ftlin. ft.	* Superstructur (covers the r  * Cantilever rep	the nearest 50 sq. ft.) e repair (Unformed): emaining slab cantilever beyond th	sq. ft. se outer 4") lin. ft.
* Existing deck repair (round up to the n  * Slab edge repairs: (covers the outer 4  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro	ir (patching): nearest 25 sq. ft.)  4" of the slab edge) t slab edge: npairs)	sq. ftlin. ftlin. ft.	* Superstructur (covers the r  * Cantilever rep  No * Full deck repl	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  cement (redeck) Yes  No	sq. ft.  sq. ft.  se outer 4")  lin. ft.  Optio
* Existing deck repair (round up to the n.  * Slab edge repairs: (covers the outer 4.  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearrs) o demolition of bridge depth and exist. deck repair quoided tube replacement:	sq. ft.  lin. ft.  lin. ft.  eck:  Yesquantities still	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required)  Superstructur	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  accement (redeck)  Yes  No	sq. ft.  ie outer 4")  lin. ft.  Optio
* Existing deck repair (round up to the n  * Slab edge repairs: (covers the outer 4  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep  * Deck repairs with v (minimum of 10%	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearrs) o demolition of bridge depth and exist. deck repair quantities of half-sole repair quantities.	sq. ft.  lin. ft.  lin. ft.  eck:  Yes[ quantities still]	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required) * Superstructur  No * Full bridge re	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  acement (redeck)  Yes  No e replacement:  Yes  No	sq. ft.  ie outer 4")  lin. ft.  O      Optio  Optio  Optio
* Existing deck repair (round up to the n.  * Slab edge repairs: (covers the outer 4.  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep  * Deck repairs with v (minimum of 10%  sq. ft	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearrs) o demolition of bridge depth and exist. deck repair quantities of half-sole repair quantities.	sq. ft.  lin. ft.  lin. ft.  eck: Yese quantities still  ty	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required) * Superstructur  No * Full bridge re (Deck repair quan	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  acement (redeck)  Yes No e replacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No	sq. ft.  ie outer 4")  lin. ft.  O      Optio  Optio  Optio
* Existing deck repair (round up to the n.  * Slab edge repairs: (covers the outer 4.  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep  * Deck repairs with v (minimum of 10%  sq. ft  * How were the quan	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearest)  o demolition of bridge depth and exist. deck repair quantities of half-sole repair quantities.	sq. ft.  lin. ft.  lin. ft.  eck: Yese quantities still  ty	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required) * Superstructur  No * Full bridge re	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  acement (redeck)  Yes No e replacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No	sq. ft.  ie outer 4")  lin. ft.  O      Optio  Optio  Optio
* Existing deck repair (round up to the n.  * Slab edge repairs: (covers the outer 4.  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep  * Deck repairs with v (minimum of 10%  sq. ft	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearest)  o demolition of bridge depth and exist. deck repair quantities of half-sole repair quantities.	sq. ft.  lin. ft.  lin. ft.  eck: Yese quantities still  ty	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required) * Superstructur  No * Full bridge re (Deck repair quan	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  acement (redeck)  Yes No e replacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No	sq. ft.  ie outer 4")  lin. ft.  O      Optio  Optio  Optio
* Existing deck repair (round up to the n.  * Slab edge repairs: (covers the outer 4.  * Clean & epoxy coat (in lieu of edge rep  * Total surface hydro (half-sole, full dep  * Deck repairs with v (minimum of 10%  sq. ft  * How were the quan	ir (patching): nearest 25 sq. ft.)  4" of the slab edge)  t slab edge: nearest)  o demolition of bridge depth and exist. deck repair quantities of half-sole repair quantities.	sq. ft.  lin. ft.  lin. ft.  eck: Yese quantities still  ty	* Superstructur (covers the r  * Cantilever rep  Do * Full deck repl required) * Superstructur  No * Full bridge re (Deck repair quan	the nearest 50 sq. ft.)  e repair (Unformed): emaining slab cantilever beyond the lacement:  acement (redeck)  Yes No e replacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No clacement: Yes No	sq. ft.  ie outer 4")  lin. ft.  O      Optio  Optio  Optio

Spans				Loc	cation	in S	pan	Dete	riorati	on		Describe
	At Panel Jt.	Btwn (mid) Panel Jt.	End		Mid		End	Туре		Amount		
	_ □						□ -			sq. fi		
	_ □									sq. fi		
	_ 🗆									sq. ft		
	_ 🗆									sq. fi		
	_ 🗆									sq. fi		
	_ 🗆									sq. fi		
			ation, efj				_	_		-		tegration of panel orded.)
Deterioratic at joints, etc.	on may inclua Typically ol	de water satura	ation, efj				_	_		-		
Deterioration at joints, etc.	on may inclua Typically ol	de water satura	ation, ef,		ints. T		cation ar	_	`deterio	-	ild be reco	orded.)
Deterioration of the property	on may inclua Typically ol  SLABS bridge appr	de water sature bserved at or r	ation, efj near pan place?	nel joi	ints. 1	The lo	cation ar	d "Type" of  * Type:	deterio	ration shou	Asphalt	Other
Deterioration of the property	on may inclua Typically ol  SLABS bridge appr dwy, approa	de water sature bserved at or r	ation, eff near pan place? in place	e?	ints. 1	Yes Yes	cation an	* Type:  * Type:	deterio	Concrete □	Asphalt	Other
PROACH S Is there a Is the app	on may inclua Typically ol SLABS bridge appr dwy. approa oroach slab s	de water sature bserved at or r roach slab in p	place? in place end ben	ee?	U drivi	Yes Yes N/A	✓ No  ☐ No ☐ Ye	* Type:  * Type:  * Type:    No   Yes	C C No	Concrete □	Asphalt	Other
PROACH S Is there a Is the app Are repai	on may include Typically of  SLABS bridge appr dwy. approach slab s rs needed to a roadway it	de water sature bserved at or r coach slab in p ach pavement sinking at the the bridge ap	place? in place end ben pproach	ee?  nt?  slab	U drivi	Yes Yes N/A	✓ No  ☐ No  ☐ Ye  urface?  the Bridge	* Type:  * Type:  * Type:    No   Yes	□ C □ No	Concrete \( \sum_{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\texi}\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\text{\texit{\texit{\texi{\texi\texi{\texi}\tint{\tex{\tiin}\texitit{\texititet{\texit{\texi{\texi{\texi{\texi{\	Asphalt	Other Other

SLAB DRAINS	
* Is the drainage system working adequately?	☑ Yes □ No
* Recommendations:	
* Notes:	
Picture DSCN2367	
#	
CURRS & RAILS	

5
CURBS & RAILS
* Existing curb (left side): Safety Barrier Curb
Other Handrail Fence
* Does curb need repair Yes No
* Remove hand rail ☐ 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
* Remove hand rail ☐ 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 DSCN2364, DSCN2367
t e e e e e e e e e e e e e e e e e e e

Bent	Type	Rec	ommendati	ions	Gap I	Left	Gap Right	Temperature & Other In
4		□				"		
3						"	"	
2			#	<b>5</b>		"	"	
1		USE-IN-PLACE	REPAIR	REPLACE			"	
						"	"	
						"	"	
* Notes: W	Vill be replaced	with the redecl	(					
2								
?								
EARINGS								
Bent	Coating		Reco	mmendatio	ons		Notes (indicat	e which bearings at each ben
4			<b>V</b>	<b>V</b>	LAB	₽ □	All bearings	
3	CLEANS OVERCOGI BLAST CLEANS RECOAT	E)			MAKEEND BENT SLIDING SLAB	$_{\Box}^{ ext{MAKE}}$ end benjintegral $_{\Box}$	All bearings	
2	GEANS OVERCOST AST CLEANS RECO	USE-IN-PLACE				Ž Ž	All bearings	
1	Lk o		RESET	EPLAGE	BENJ		All bearings	
	CLEAI AST (	Sn 🗆			END			
					MAKE	$^{ m M}$		
* Notes:								
	ictures of Each							
	2369, DSCN237 2396, DSCN239		OSCN2375,	DSCN2376	, DSCN	2377, DS	SCN2389, DSCN2	2390, DSCN2391, DSCN2392
0.15								
	STEM (PAINT coating system:					_	l green 🗆	□ other
Existing C	oaung system:	System S				_	green 🔽 gray	other
* Date last	coated: 7	7/2006	* Is	s existing co	oating p	eeling:	Yes (Overcoat is	s not an option No
* Coating r	ecommendation	n:	□ B	last clean &	recoat a	all steel		& overcoat all steel
			□В	last clean &	recoat	only at jo		& recoat at joint locations and & overcoat all other steel
				e: Pull-off to ision will re				Sulfonate) option. Bridge

Concrete	e Slab Superstructure	e or Girder: (abov	ve the bearings)	Steel I-beam	
	e: Deck solid slabs, void lers & prestressed gird		ι,		
aeck gira	ers & presiresseu giru	ers)			
Steel: (	Example: Beams, string	gers. girders, diaphra	gms, cross-frami	es. misc. steel)	
	· (Check all that apply)		S, J		Describe & Locate
4	☐ Section	Loss %	☐ Cracks	in.	
3	Section	Loss %	☐ Cracks	in.	_
2	Section	Loss %	☐ Cracks	<u>in.</u>	
1	☐ Section	Loss %	☐ Cracks	in.	
Notes:	: No issues noticed	<u> </u>			
e					
g					
9					
	CTURE REPAIR				
UBSTRU		V. 6. A Danata	Seal Concrete	•	S. J. (D. Dadwell Wiese
	CTURE REPAIR Formed Repair	Unformed Repair	Seal Concrete Beam Cap Bt	•	s. Describe (Beam, Backwall, Wing,
UBSTRU		Unformed Repairsq. ft.		a. <u>@ Int. Pile Cap Bts</u>	i. Describe (Beam, Backwall, Wing, o
UBSTRU Bent	Formed Repair		Beam Cap Bo	# Yes □ No	i. Describe (Beam, Backwall, Wing, o
UBSTRU Bent 4	Formed Repair sq. ft.	sq. ft.	Beam Cap Bo	e Int. Pile Cap Bts  Yes No  Yes No	i. Describe (Beam, Backwall, Wing, o
UBSTRU Bent 4 3	sq. ft.	sq. ft.	Beam Cap Be	Yes   No   Yes   No   Yes   No	i. Describe (Beam, Backwall, Wing,
UBSTRU Bent 4 3	sq. ft. sq. ft. sq. ft.	sq. ft. sq. ft. sq. ft.	Beam Cap Be	Yes   No   Yes   Yes   No   Yes   Yes	s. Describe (Beam, Backwall, Wing,
UBSTRU  Bent  4  3  2  1	sq. ft.           sq. ft.           sq. ft.           sq. ft.           sq. ft.	sq. ft. sq. ft. sq. ft. sq. ft. sq. ft. sq. ft.	Beam Cap Bo	Yes   No   Yes   Yes   No   Yes   Yes	

SIGNS, SIG	NALS &/OR LIGHTING	G ATTACH	ED 10 51									
* Are the	ere signs attached directly	y to this stru	cture?	☐ Yes	V	No	quantity		locat	ion		
* Descril	oe proposed work to be d	one to signs.										
	ere signals attached direc oe proposed work to be d	•		☐ Yes	7	No	quantity		locat	ion		
	e aviation lighting attache				Yes Yes	□ N		N/A   N/A		qnty.	☐ Green	qnty.
* Is there	e roadway lighting attach	ned to this st	ructure?		Yes	□ N	No 🗸	N/A		qnty.		qnty.
* Descril	oe proposed work to be d	one to lighti	ng.									
* Notes:												
ure	ATTACHED TO STRU	CTURE										
ure		CTURE Qty.	Size		0	wner				Cond	lition	
UTILITIES	ATTACHED TO STRU	Qty.						□ Repair	nt 🗆			☐ Remove
UTILITIES	ATTACHED TO STRU	Qty.								Repair [	☐ Replace	
UTILITIES  Condui	ATTACHED TO STRU  Type  t  Pipeline  Other	Qty.					[	☐ Repair	nt 🗌	Repair [	☐ Replace	☐ Remov
UTILITIES  Condui	ATTACHED TO STRU  Type  t  Pipeline  Other  t  Pipeline  Other	Qty.					(	□ Repair	nt 🗌	Repair [ Repair [ Repair [	Replace Replace Replace	☐ Remov
UTILITIES  Condui Condui	ATTACHED TO STRU  Type  t	Qty.					(	□ Repair	nt 🗌	Repair [ Repair [ Repair [	Replace Replace Replace	☐ Remove

	dic system on thi	s structure?	☐ Yes ☑ Ì	No   Remove	e 🗌 Do not	alter ☐ Aba	ndon in place (g	grooved sy:
* Is it on and wor	king?	□ No	☐ Unknown					
* Notes:								
ę								
HANNEL ALIGN								
* Is channel align			Yes □ No I					
* Is drift a contin	_	_		escribe & Locate				
* Is erosion a pro			res ∐ No D	escribe & Locate	Along edg	ge arıp line		
* Describe slope p						D.		
* Scour At		Piling	Depth	Bent	<u> </u>	Recommen	idation	
				_				
				_				
* Describe needed	d work.	dd rip-rap alo						
			ong tne eage ari	p line.				
			ong the edge dri	p line.				
			ong the eage ari	p line.				
o DSCN2372 DSC								
e DSCN2372, DSc	CN2373, DSCN2							
e DSCN2372, DSc								
,								
, 	CN2373, DSCN2		83, DSCN2385,		der structure	N/A		
RAFFIC LANES  * Number of lane	CN2373, DSCN2	374, DSCN23	83, DSCN2385,	ur		N/A		
RAFFIC LANES	CN2373, DSCN2	374, DSCN23	83, DSCN2385,	ur	der structure der structure	N/A	(right)	
RAFFIC LANES  * Number of lane	CN2373, DSCN2  es striped:  ∴ None	374, DSCN23	eture 2	ururur		(left)	(right)	
RAFFIC LANES  * Number of lane  * Shoulder width	CN2373, DSCN2  es striped:  ∴ None	on struc	eture 2	ururur	der structure	(left)	(right)	
RAFFIC LANES  * Number of lane  * Shoulder width	CN2373, DSCN2  es striped:  ∴ None	on struction on struction	83, DSCN2385,  etture 2  tture (left)	ur (right) ur (right)	der structure	(left)		
* Number of lane  * Shoulder width  * Sidewalk width	CN2373, DSCN2  s striped:  ∴ ✓ None  s:	on struction on struction on struction struction	eture 2 (left)	ur (right) ur (right)	der structure der structure der structure	(left)	(right)	

GENERAL AREA CONDITIONS
* Primary area:  Commercial Industrial Residential Agricultural Military Other
* Posted speed limit on structure: N/A mph
* Posted load on structure:tons @mph ☑ NA
Single Unit:         tons @ mph ☑ NA           □ Yes □ No           Semi (tractor/trailer):         tons @ mph ☑ NA
* Do pedestrians and/or bicyclists regularly use this structure?
* Notes: No load posting observed.
Picture
#
17
* What work has been done to this structure that may not be reflected on existing bridge plans?
Picture
ADDITIONAL FIELD NOTES
Picture #

CT A CINIC / DE	TOUR			
STAGING / DE	LIOUR			
* Traffic Co	ontrol:  Close structure	Stage constructi	on on structure ☐ Cross over	traffic to adjacent structure 🖸 Detour
	Other option			
* Define pro	bable detour route.			_
PERSONS ASS	SISTING WITH CHECKLIS	Т		
Name	Joyce Reynolds	Title	Project Manager	Ph. ( 816 ) -3872411

Name	Joyce Reynolds	Title	Project Manager	Ph.	( 816	<b>5</b> ) -	387 -	-2411
Name	Shannon Kusilek	Title	District Design Engineer	Ph.	( 816	5) 3	387 -	2441
Name		Title		Ph.	(	)	-	
Name		Title		Ph.	(	)		

EQUIR	RED SIGNATURES  I have reviewed the information on this checklist and be	alima it to be as accurate as possible	
	1 have reviewed the information on this checklist and be	etieve ii to be as accurate as possible.	
Name	Joyce Reynolds	Date	12/2/2022
	Transportation Project Manager		
	Bryce Acton	Date	12/2/2022

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