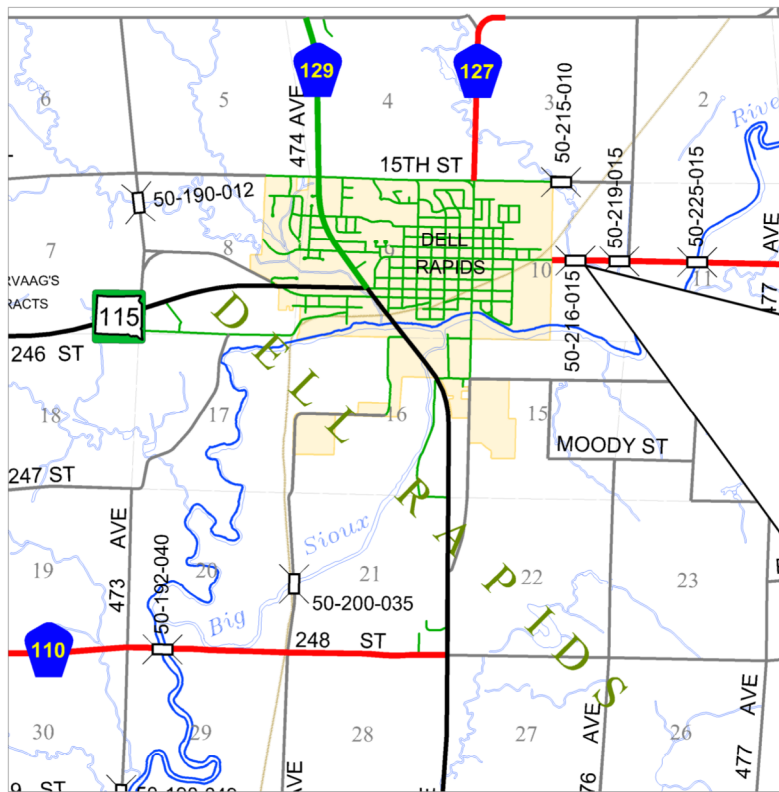
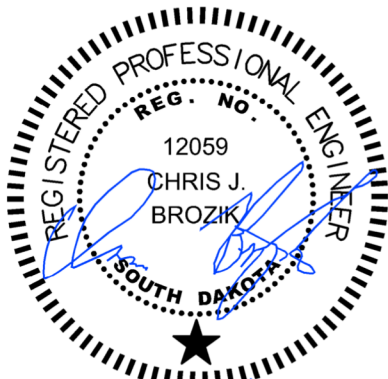


Bridge Inspection Report for Minnehaha County South Dakota **2022**

Structure No. 50-216-015 Jasper Street / Co. Hwy 104



Dell Rapids Township



10/28/22



Repair and Posting Recommendations Bridges Maintained by Local Governments

Structure No. 50-216-015 **Hwy or Street** Jasper St. / Co. Hwy. 104
FA Route No. 6250 **Agency Responsible for Maintenance** Minnehaha Co.
Location 1.2 miles east and 0.2 miles north of Dell Rapids, SD.
Bridge Description 34.0 ft Three Span Continuous Concrete Bridge with Concrete Abutments.
0 Degree Skew - 30.2 ft Roadway Width.
Date Inspected 6/16/2022 **Year Built** 1922 - Reconstructed 1966

Posting Recommendations

Single Unit - N.A. tons Current Posting: Not Posted
 Combinator - N.A. tons Legal Loads: No Load Posting Required

Legal Loads Based on Article 6.1.4 of AASHTO "The Manual for Bridge Evaluation", Third Edition

Repair, Rehabilitation, and/or Replacement Recommendations

1. Install bridge railing rubrails and approach guardrails as required.
2. Install NE object marker that is damaged and lying on ground.
3. Straighten the 1st delineator along the NW approach.
4. Clean and repair/patch areas of scaling, spalling, and exposed rebar on the underside of the concrete slab.
5. Clean and repair/patch areas of deterioration and honeycombing at the center columns in the east & west bents.
6. Patch hole in slab along south side of original slab in west span.
7. Monitor underside of concrete slab for continued deterioration.
8. **Structure is currently in the 5-year capital improvement plan & scheduled for future replacement.**

The South Dakota Department of Transportation is required by Federal Statute to maintain an inventory of all bridges on all public traveled routes. Therefore, it is important that County and City Officials report any changes on bridges on their system. Examples of changes which should be reported are: Replacement of an existing bridge with pipe or new bridge, safety updated, rehabilitation or repair of an existing bridge etc. Changes should be reported to: South Dakota Department of Transportation, Local Government Assistance, Pierre, South Dakota, 57501.

RECOMMENDATIONS MADE BY:


 Chris Brozik, P.E.

DATE: 6/16/2022

Structure Number 50-216-015Date 06/16/22

Deck - Items 58.00 - 58.17

1. DECK CONDITION - CRACKING, SCALING, SPALLING, AND DELAMINATIONS -

Cast-in-place concrete - The top surface of the concrete slab is not visible due to the bituminous overlay.
2. OVERLAY - TYPE, THICKNESS, AND CONDITION -

Bituminous - Approximate 6-inch average depth, smooth. Light vegetation growth is evident along edges of overlay.
3. JOINTS - OPENINGS - None
4. DRAINS - None
5. CURBS AND MEDIAN - Cast-in-place concrete - Some vertical hairline cracks and areas of light scaling and rust staining are evident throughout. Overall, the concrete curbs appear to be in relatively good condition.
6. SIDEWALKS - None
7. RAILING OR BARRIER - The railings consist of a painted steel channel mounted on painted double steel angle posts. The paint on the railing members appears to be in fair to good condition with some areas of surface rust evident.
8. LIGHTING - None
9. UTILITIES - None
10. DECK DELAMINATION SURVEY - Unable to perform a deck delamination survey due to the bituminous overlay.

Structure Number 50-216-015Date 06/16/22

Superstructure - Items 59.00 - 59.20

- | | |
|--|---|
| 1. UNDERSIDE OF DECK - | Cast-in-place concrete - The original structure appears to have been widened approximately 7 ft along both sides. A significant amount of spalling is evident along the south side of the original slab in all spans and along north side of original slab in east span which have exposed reinforcing steel. The exposed portions of the reinforcing steel are heavily rusted with plating evident and moderate section loss, but does not appear to be affecting structure capacity at the time of inspection. Stalactites are evident along south side of original slab at the west and center spans. There are longitudinal hairline cracks and areas of light scaling evident throughout the original portion of the slab with a couple areas of efflorescence evident. Areas of light scaling are also evident on the underside of the widening portions of the concrete slab. There is an approximate 3"x5"x10" deep hole in the south side of the original slab in the west span which appears to extend to the bottom of the bituminous overlay. |
| 2. BEARING DEVICES - | None |
| 3. GIRDERS OR BEAMS - STIFFENERS, WELDS, SPLICES, AND ETC. - | None |
| 4. DIAPHRAGMS - | None |
| 5. TRUSSES - MAIN MEMBERS, PORTALS, BRACING, GUSSET PLATES, AND ETC. - | None |
| 7. RIVETS OR BOLTS - | None |
| 8. WELDS - | None |
| 9. PAINT - | None |
| 10. DRAINAGE SYSTEM - | None |
| 11. UTILITIES - | None |
| 12. REACTION UNDER LOAD - | No excessive deflection under heavy vehicle load. |
| 13. COLLISION DAMAGE - | None evident. |

Structure Number 50-216-015Date 06/16/22**Substructure - Items 60.00 - 60.05**

1. ABUTMENTS -

- A. WINGWALLS - The wingwalls consist of cast-in-place concrete and are direct extensions of the backwalls. Some chips are evident along the tops of the wingwalls. It appears these chips occurred during the placement of the riprap. Overall, the wingwalls appear to be in relatively good condition.
- B. BACKWALLS - The backwalls consist of cast-in-place concrete. Both ends of the original backwalls were extended when the structure was widened. There are some areas of honeycombing evident in the original portions of the backwalls. A spall is evident at the north end of the original portion of the east backwall. The widening portions of the backwalls appear to be in relatively good condition.
- C. FOOTINGS - None
- D. PILE CAPS - None

2. PIERS OR BENTS -

- A. CAPS - Cast-in-place concrete - The original concrete caps were extended when the structure was widened. Some areas of light to moderate scaling are evident throughout and some vertical hairline cracks are evident over the columns. Overall, the concrete bent caps appear to be in satisfactory condition.
- B. COLUMNS - Cast-in-place concrete - There are five (5) concrete columns per bent (10 total columns). The original bents consisted of three (3) columns. The original end columns were added onto and an additional column was added at the ends of the bents when the structure was widened. A significant amount of deterioration and a lack of consolidation is evident towards the bottom of the center column in both bents.
- C. FOOTINGS - The portion of the concrete footings at columns #2 - #5 in both bents have been exposed, but do not appear to be undermined.

3. GROUT PADS - None
4. ANCHOR BOLTS - None
5. PILES - None visible.
6. BRACING - None
7. PAINT - None

Structure Number 50-216-015

Date 06/16/22

Substructure - Items 60.00 - 60.05 (Continued)

8. MOVEMENT -

- A. PLUMBNESS - Everything appears vertical.
- B. SETTLEMENT - None evident.
- C. HORIZONTAL - None evident.

Structure Number 50-216-015Date 06/16/22**Channel and Channel Protection - Items 61.00 - 61.09**

1. CHANNEL -
 - A. ALIGNMENT - The channel alignment is fair. It appears a RHF skew would better fit the channel.
 - B. VEGETATION - Good
 - C. SCOUR - None
 - D. DEBRIS - None
 - E. FLOW LINE - Well defined.
2. EMBANKMENT EROSION - Minor amount of embankment erosion is evident in both the upstream and downstream channels.
3. WATERWAY ADEQUACY - Appears adequate.
4. SPUR DIKES & JETTIES - None
5. WING DAMS - None
6. RIP RAP - A significant amount of riprap has been placed along NW channel bank, in front of the wingwalls, and at the ends of the backwalls at the corners of the structure.
7. OBSERVED HIGH WATER ELEVATION - Appears to be approximately 2 to 3 feet below the bottom of the concrete slab.
8. STREAM BED - Appears relatively stable.

ELEMENT LEVEL INSPECTION (Main Span)

Str. No.: 50-216-015	Maint. Proj. No.:
Feature Carried: Jasper St. / Co. Hwy. 104	MRM:
County: Minnehaha Co.	
Feature Crossed: Unnamed Tributary to Big Sioux River	
Location: 1.2 miles east and 0.2 miles north of Dell Rapids, SD.	
Bridge Description: 34.0 ft Three Span Continuous Concrete Bridge with Concrete Abutments. 0 Degree Skew - 30.2 ft Roadway Width.	
Length: 34.0 ft	Roadway width: 30.2 ft
Deck width: 34.2 ft	
Deck Area : Length x Deck Width = 1,163 Sq. ft	
Skew: 0 degrees	
Inspector(s): Chris Brozik, P.E. & Anthony Peters	Date: 06/16/22

Element Condition States

Elem Num	Element Description	Env	Quantity	Units	Quantity in Condition State				
					1	2	3	4	
38	Reinforced Concrete Slab	2	1,163	SF	425	630	108		
1090	Exposed Rebar	2		SF			68		
1080	Delamination/Spall/Patched Area	2		SF		430			
1130	Cracking	2		SF		200			
1120	Efflorescence/Rust Staining	2		SF			40		
1190	Abrasion/Wear	2		SF					
1900	Distortion	2		SF					
4000	Settlement	2		SF					
6000	Scour	2		SF					
7000	Damage	2		SF					
814	AC w/o Membrane Overlay	2	1,027	SF	1,027				
3230	Effectiveness	2		SF					
3210	Delam./Spall/Patched Area/Pothole	2		SF					
3220	Crack	2		SF					
7000	Damage	2		SF					
205	Columns, Reinforced Concrete	2	10	EA		8	2		
1090	Exposed Rebar	2		EA					
1080	Delamination/Spall/Patched Area	2		EA		8	2		
1130	Cracking	2		EA					
1120	Efflorescence/Rust Staining	2		EA					
1190	Abrasion/Wear	2		EA					
1900	Distortion	2		EA					
4000	Settlement	2		EA					
6000	Scour	2		EA					
7000	Damage	2		EA					
215	Abutment, Reinforced Concrete	2	68	LF	28	40			
1090	Exposed Rebar	2		LF					
1080	Delamination/Spall/Patched Area	2		LF		40			
1130	Cracking	2		LF					

Bridge Inspection Digital Photo Log

Structure No. **50-216-015**

Photo Number:	Date:	Description:
1	6/16/2022	Approach looking East
2	6/16/2022	Approach looking West
3	6/16/2022	Profile looking North
4	6/16/2022	Profile looking South
5	6/16/2022	CMP Culvert Outlet at SW Corner of Structure
6	6/16/2022	NE Object Marker Damaged and on Ground
7	6/16/2022	1st NW Approach Delineator Slightly Bent
8	6/16/2022	Top of Bituminous Overlay looking West
9	6/16/2022	South Bridge Rail
10	6/16/2022	North Bridge Rail
11	6/16/2022	Typical Rail Post Condition
12	6/16/2022	Underside of Existing Slab, South side of East Span
13	6/16/2022	Underside of Existing Slab, North side of East Span
14	6/16/2022	Underside of Existing Slab, South side of Center Span
15	6/16/2022	Underside of Existing Slab, North side of Center Span
16	6/16/2022	Underside of Existing Slab, South side of West Span
17	6/16/2022	Underside of Existing Slab, North side of West Span
18	6/16/2022	Hole in underside of Slab, South side of West Span
19	6/16/2022	West Backwall
20	6/16/2022	East Backwall
21	6/16/2022	NE Backwall Spall
22	6/16/2022	Typical Configuration of Bent
23	6/16/2022	West Bent Center Column Honeycombing
24	6/16/2022	East Bent Center Column Honeycombing
25	6/16/2022	Typical Exposed Concrete Footing (West Bent Column #3 shown)
26	6/16/2022	Upstream Channel looking NW
27	6/16/2022	Downstream Channel looking South
28	6/16/2022	Riprap along NW Channel Bank
29	6/16/2022	Riprap in front of SE Wingwall
30	6/16/2022	Riprap in front of NE Wingwall



50-216-015_2022_1_CDI_Approach looking East



50-216-015_2022_2_CDI_Approach looking West



50-216-015_2022_3_CDI_Profile looking North



50-216-015_2022_4_CDI_Profile looking South



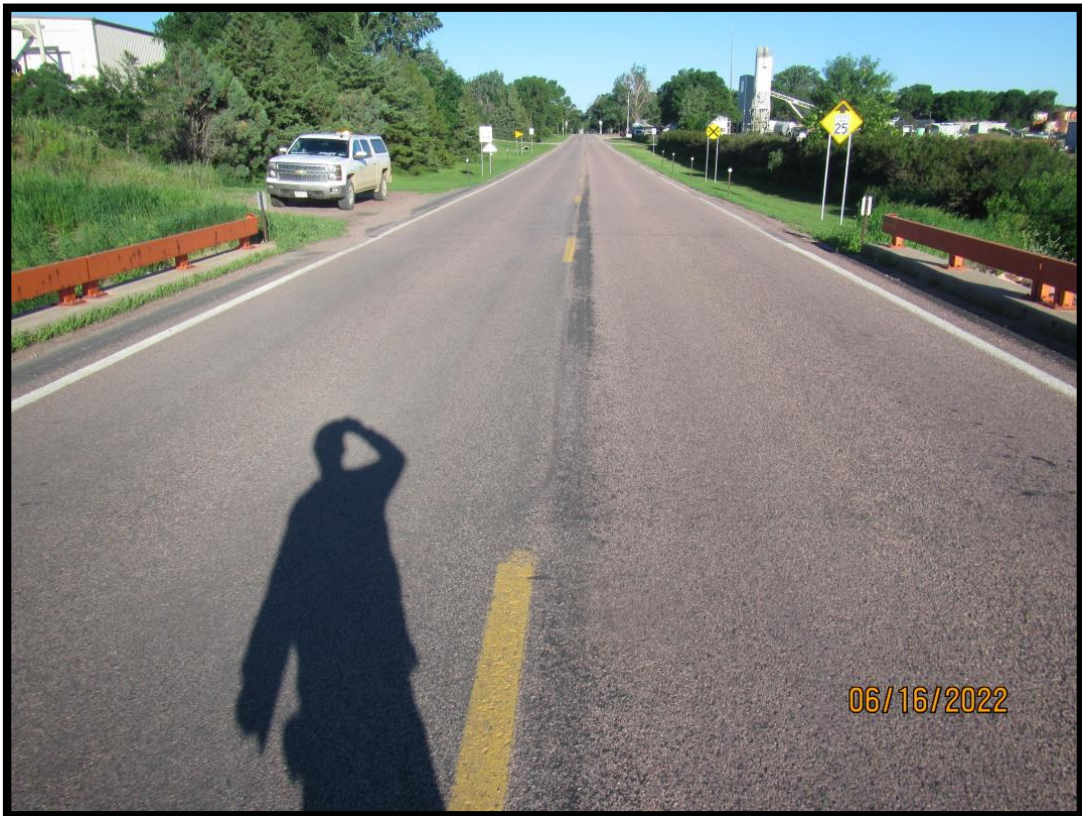
50-216-015_2022_5_CDI_CMP Culvert Outlet at SW Corner of Structure



50-216-015_2022_6_CDI_NE Object Marker Damaged and on Ground



50-216-015_2022_7_CDI_1st NW Approach Delineator Slightly Bent



50-216-015_2022_8_CDI_Top of Bituminous Overlay looking West



50-216-015_2022_9_CDI_South Bridge Rail



50-216-015_2022_10_CDI_North Bridge Rail



50-216-015_2022_11_CDI_Typical Rail Post Condition



50-216-015_2022_12_CDI_Underside of Existing Slab, South side of East Span



50-216-015_2022_13_CDI_Underside of Existing Slab, North side of East Span



50-216-015_2022_14_CDI_Underside of Existing Slab, South side of Center Span



50-216-015_2022_15_CDI_Underside of Existing Slab, North side of Center Span



50-216-015_2022_16_CDI_Underside of Existing Slab, South side of West Span



50-216-015_2022_17_CDI_Underside of Existing Slab, North side of West Span



50-216-015_2022_18_CDI_Hole in underside of Slab, South side of West Span



50-216-015_2022_19_CDI_West Backwall



50-216-015_2022_20_CDI_East Backwall



50-216-015_2022_21_CDI_NE Backwall Spall



50-216-015_2022_22_CDI_Typical Configuration of Bent



50-216-015_2022_23_CDI_West Bent Center Column Honeycombing



50-216-015_2022_24_CDI_East Bent Center Column Honeycombing



50-216-015_2022_25_CDI_Typical Exposed Concrete Footing (West Bent Column #3 shown)



50-216-015_2022_26_CDI_Upstream Channel looking NW



50-216-015_2022_27_CDI_Downstream Channel looking South



50-216-015_2022_28_CDI_Riprap along NW Channel Bank



50-216-015_2022_29_CDI_Riprap in front of SE Wingwall



50-216-015_2022_30_CDI_Riprap in front of NE Wingwall

CHANNEL PROFILE

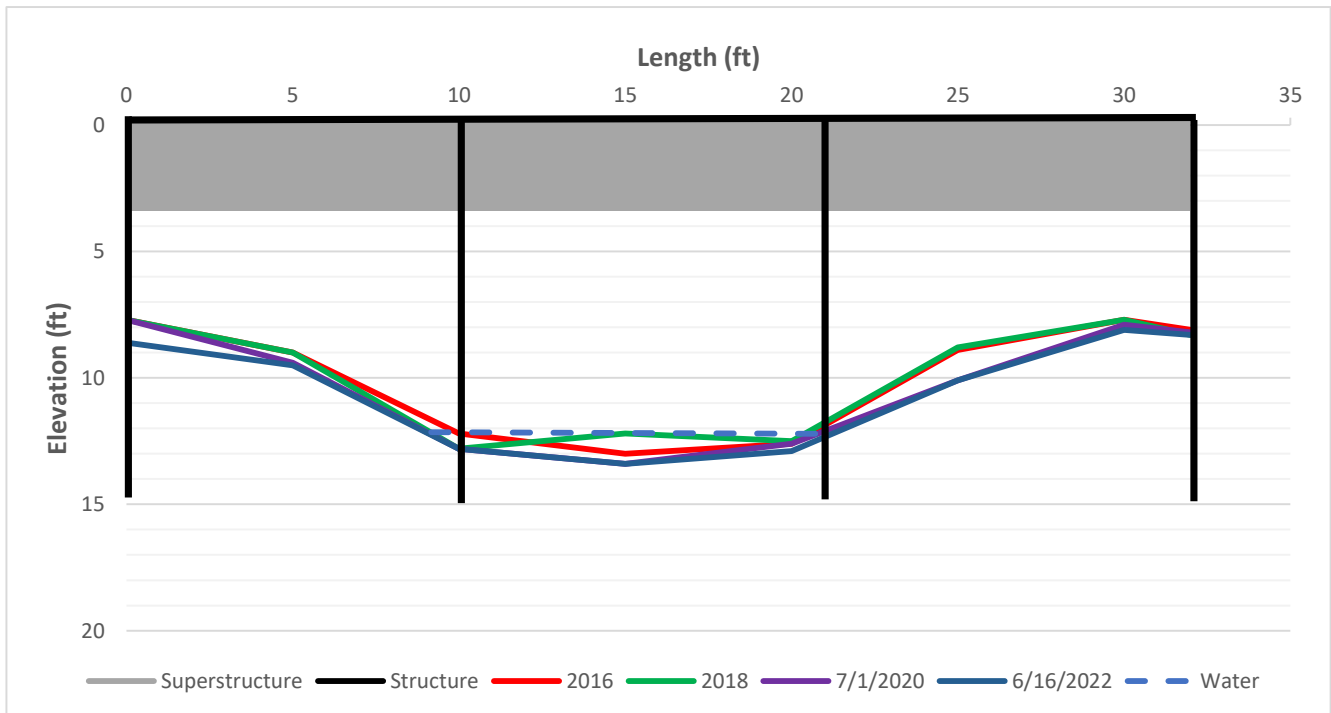
MINNEHAHA COUNTY

STR. NO. 50-216-015

MEASUREMENTS TAKEN FROM THE TOP OF: **RAIL NORTH**
 MEASUREMENTS TAKEN ON THE INLET SIDE OF THE STRUCTURE:

WATER ELEV: **12.6**

		2016	2018	7/1/2020	6/16/2022	ABUT./BENT	
West End	0	7.7	7.7	7.7	8.6	1	0
	5	9.0	9.0	9.4	9.5	2	10
	10	12.2	12.8	12.8	12.8	3	21
	15	13.0	12.2	13.4	13.4	4	32
	20	12.6	12.5	12.6	12.9		
	25	8.9	8.8	10.1	10.1		
East End	30	7.7	7.7	7.9	8.1	Top of RAIL to bottom of Superstructure 3.5 ft.	
	32	8.1	8.3	8.2	8.3		



Note: Only Partial Set of Construction Plans are enclosed in SDDOT bridge inspection file.



General Bridge Data		Status
(8) STR NO : 50-216-015	(27) YEAR BUILT : 1922	SUFF RATE : 48.50
(7) FACILITY : JASPER ST, HWY 104	(106) RECONSTR : 1966	FED SUFF RATE : 63.40
(6) FEAT INTER : TRIB TO BIG SIOUX RV	(49) STR LENGTH : 34.00 ft	FED SR DATE : 03/14/2022
(9) LOCATION : 1.2E & 0.2N DELL RAPIDS	NBIS BRIDGE LENGTH : 32.00 ft	DEFICIENCY : S
INTERCHANGE : N	(48) MAX SPAN LENGTH : 11.00 ft	CANDIDATE : H
SECTION(S) : 10 -1 -1 -1	(43A) MATERIAL : 2 Concrete Continuous	
TOWNSHIP(S) : 104N -1	(43B) DESIGN : 01 Slab	Deck Data
RANGE(S) : 49W -1	SD STR TYPE : X020	(108A) WEARING SURFACE : 6 Bituminous
(2) REGION : Mitchell	(107) DECK STR TYPE : 1 Concrete-Cast-in-Place	DECK PROTECTION : None
(3) COUNTY : 50 MINNEHAHA	(52) DECK WIDTH : 34.20 ft	OVERLAY THICKNESS : 6.00 in
(21) CUSTODIAN : 2 County Hwy Agency	(51) BRIDGE RDWY WIDTH : 30.20 ft	DECK DELAM AREA : 0.00 sq ft
(22) OWNER : 2 County Hwy Agency	(32) APPR RDWY WIDTH : 24.00 ft	DECK DELAM DATE :
MAINT PROJ :	(50A) LT SIDEWALK WIDTH : 0.00 ft	DECK SURVEY :
(42A) SERV TYPE ON : 1 Highway	(50B) RT SIDEWALK WIDTH : 0.00 ft	CHLORIDE : N
(42B) SERV TYPE UND : 5 Waterway	(34) SKEW : 0.00°	RESTEEL DEPTH : N
(103) TEMP STRUCTURE : Unknown (NBI)	SKEW DIR :	ELECTRO POTENT : N
(99) BORDER BRIDGE STR NO : -1	(45) NO MAIN SPANS : 3	Load Rating Data
(98A) NEIGHBOR STATE : Unknown (P)	(46) NO APPR SPANS : 0	(41) OPER STATUS : A Open, no restriction
(98B) PERCENT SHARE : -2.00	(31) DESIGN LOAD : 0 Unknown	(66) INV HS20 : 21.60 tons
Highway Carried (NBI 5)	(33) BRIDGE MEDIAN : 0 No median	(65) METHOD : 0 Field eval and docs
(5B) ROUTE PREFIX : 4 County Hwy	(35) STR FLARED : 0 No flare	(64) OP HS20 : 36.00 tons
(5C) LEVEL OF SERVICE : 1 Mainline	Box Culvert Data	(63) METHOD : 0 Field eval and docs
(5D) ROUTE NUMBER : 00000	BOX CULVERT SIZE : 0 X 0 X 0	TRUCK TYPE 3 : 24.00 tons
(5E) DIRECT SUFFIX : 0 N/A (NBI)	FILL HT OVER BOX : 0.00 ft	TRUCK TYPE 3S2 : 40.00 tons
MRM ENGLISH : 0.00	LENGTH OF LONGEST CELL : 0.00 ft	TRUCK TYPE 3-2 : 46.00 tons
POSTED SPEED : 55 MPH	Rail Data	NRL : 40.00 tons
SCHOOL BUS RT : Y	(36) SAFETY FEAT : 0000	SHV-4 : 27.00 tons
MAIL RT : Y	BRIDGE RAIL 1 : 06 -STL DISCONT CHANNEL RAIL	SHV-5 : 31.00 tons
(104) NHS SYSTEM : 0 Not on NHS	RAIL TRANS 1 : 00 - NO TRANSITION PROVIDED	SHV-6 : 34.80 tons
FA ROUTE : 6250	APPR RAIL 1 : 00 - NO APPROACH RAIL	SHV-7 : 38.80 tons
(26) FUNC CLASS : 07 Rural Mjr Collector	APPR RAIL TERM 1 : 00 - NO TERMINALS PROVIDED	EV2 : tons
(28A) LANES : 2	NBI Prop Work	EV3 : tons
(102) DIRECTION TRAFFIC : 2 2-way traffic	(75A) WORK TYPE : 31 Repl-Load Capacity	BARS NO : JDG
(105) FED LANDS HWY : 0 N/A (NBI)	(75B) WORK BY : 1 Contract	Hydraulics
(19) DETOUR : 9.00 mi	(76) IMPROV LENGTH : 184.06 ft	DRAINAGE AREA : 3.35 sq mi
(29) ADT TOTAL : 1120.00	(94) BRIDGE IMPROV COST : \$263,756.00	OBSERV HW ELEV : 0.00 ft
(30) YEAR OF ADT : 2021	(95) RDWAY IMPROV COST : \$26,376.00	YEAR : 01/01/1901
(109) % TRUCK : 3.00 %	(96) TOTAL PROJECT COST : \$449,960.00	DESIGN FREQ : 0.00
(53) MIN V CLR RT : 99.99 ft	(97) YEAR OF IMPROV COST : \$2,018.00	DESIGN FLOW : 0.00 cfs
(53) MIN V CLR LT : 0.00 ft	(114) ADT FUTURE : 1400.00	DESIGN VELOCITY : 0.00 fps
(10) MAX V CLR RT : 99.99 ft	(115) YEAR OF ADT FUTURE : 2036	DESIGN AREA : 0.00 sq ft
(10) MAX V CLR LT : 0.00 ft	Steel Paint	DESIGN YEAR :
(47) HORIZ V CLR RT : 30.20 ft	UNDERCOAT :	DESIGN HW ELEV : ft
(47) HORIZ V CLR LT : 0.00 ft	TOPCOAT :	100 YEAR FLOW : 0.00 cfts
GIS Data	YEAR :	100 YEAR HW ELEV : ft
LATITUDE : 43.82602	COLOR :	V MAX : fps
LONGITUDE : -96.69411		SCOUR SCREENING : 2
DATE : 03/28/2016		SCOUR RATING : U
COMMENT : Calculated GIS INFO		TOPEKA SHINER : N
		Rail Paint
		UNDERCOAT : LEAD-BASED PAINT
		TOP COAT : LEAD-BASED PAINT
		YEAR :

COLOR : ORANGE

Highway Carried (Under Record)

(5A) RECORD TYPE : (54) MIN V CLR RT :
 (5B) ROUTE PREFIX : (54) MIN V CLR LT :
 (5C) LEVEL OF SERVICE : (10) MAX V CLR RT :
 (5D) ROUTE NUMBER : (10) MAX V CLR LT :
 (5E) DIRECT SUFFIX : (47) HORIZ CLR RT :
 MRM : (47) HORIZ CLR LT :
 ADM JUR : (55) OUT UNDCLR RT :
 (104) NHS SYSTEM : (55) OUT UNDCLR LT :
 FA ROUTE : (56) MED UNDCLR RT :
 (26) FUNC CLASS : (56) MED UNDCLR LT :
 (28B) LANES :
 (101) DIRECTION OF TRAFFIC :
 (19) DETOUR LENGTH : mi
 (29) ADT :
 (30) ADT YEAR :

Project Number	PCN	Date Done
NA	none	01/01/1922

Inspection

GENERAL COMMENT : -1
 REGION COMMENT : -1
 FREE COMMENT : -1

INSPECTION TYPE	LAST INSPECTION DATE	REQUIRED	INSPECTION FREQUENCY	NEXT INSP DATE
NBI	06/16/2022		24 month(s)	06/16/2024
FRACTURE CRITICAL	NA	N	NA	NA
UNDERWATER	NA	N	NA	NA
SPECIAL	NA	N	NA	NA
ELEMENT INSPECTION	06/16/2022		24 month(s)	06/16/2024

INSPKEY : BHSS
 APPRAIS BY : CLB
 APPRAIS DATE : 10/03/2022
 QA INSPECTOR :
 QA INSP DATE :
 LAST INSPECTION BY :
 CONSULTANT CODE : CIVIL DESIGN

Condition Ratings

(58) DECK : 4
 (59) SUPER : 4
 (60) SUB : 5
 (62) CULVERT : N
 (113) SCOUR : U
 (61) CHANNEL : 6
 APPROACH : 7 -1

Appraisal Ratings

STR APPR : 4 -1
 DECK GEOM : 5 -1
 UNDERCLR : N -1
 WATERWAY : 8 -1
 APPR ALIGN : 8 -1
 BR POST : 5 LEGAL LOADS
 SCOUR SCREENING : 2
 SCOUR RATING : U

Elements	Unit	ID	Env	Quantity	Units	Q 1	Q 2	Q 3	Q 4
Re Concrete Slab	MAIN	38	2	1163.00	sq.ft	425.00	630.00	108.00	0.00
<p>Cast-in-place concrete - The top surface of the concrete slab is not visible due to the bituminous overlay.</p> <p>Cast-in-place concrete - The original structure appears to have been widened approximately 7 ft along both sides. A significant amount of spalling is evident along the south side of the original slab in all spans and along north side of original slab in east span which have exposed reinforcing steel. The exposed portions of the reinforcing steel are heavily rusted with plating evident and moderate section loss, but does not appear to be affecting structure capacity at the time of inspection. Stalactites are evident along south side of original slab at the west and center spans. There are longitudinal hairline cracks and areas of light scaling evident throughout the original portion of the slab with a couple areas of efflorescence evident. Areas of light scaling are also evident on the underside of the widening portions of the concrete slab. There is an approximate 3"x5"x10" deep hole in the south side of the original slab in the west span which appears to extend to the bottom of the bituminous overlay.</p>									
Delamination/Spall/Patched Area	MAIN	1080	2	430.00	sq.ft	0.00	430.00	0.00	0.00
-									
Exposed Rebar	MAIN	1090	2	68.00	sq.ft	0.00	0.00	68.00	0.00
-									
Efflorescence/Rust Staining	MAIN	1120	2	40.00	sq.ft	0.00	0.00	40.00	0.00
-									
Cracking (RC and Other)	MAIN	1130	2	200.00	sq.ft	0.00	200.00	0.00	0.00
-									
AC w/o Membrane Overlay	MAIN	814	2	1,027.00	sq.ft	1,027.00	0.00	0.00	0.00
Bituminous - Approximate 6-inch average depth, smooth. Light vegetation growth is evident along edges of overlay.									
Re Conc Column	MAIN	205	2	10.00	each	0.00	8.00	2.00	0.00
<p>Cast-in-place concrete - There are five (5) concrete columns per bent (10 total columns). The original bents consisted of three (3) columns. The original end columns were added onto and an additional column was added at the ends of the bents when the structure was widened. A significant amount of deterioration and a lack of consolidation is evident towards the bottom of the center column in both bents.</p>									
Delamination/Spall/Patched Area	MAIN	1080	2	10.00	each	0.00	8.00	2.00	0.00
-									
Re Conc Abutment	MAIN	215	2	68.00	ft	28.00	40.00	0.00	0.00
<p>The backwalls consist of cast-in-place concrete. Both ends of the original backwalls were extended when the structure was widened. There are some areas of honeycombing evident in the original portions of the backwalls. A spall is evident at the north end of the original portion of the east backwall. The widening portions of the backwalls appear to be in relatively good condition.</p> <p>The wingwalls consist of cast-in-place concrete and are direct extensions of the backwalls. Some chips are evident along the tops of the wingwalls. It appears these chips occurred during the placement of the riprap. Overall, the wingwalls appear to be in relatively good condition.</p>									
Delamination/Spall/Patched Area	MAIN	1080	2	40.00	ft	0.00	40.00	0.00	0.00
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Re Conc Pier Cap	MAIN	234	2	68.00	ft	68.00	0.00	0.00	0.00
<p>Cast-in-place concrete - The original concrete caps were extended when the structure was widened. Some areas of light to moderate scaling are evident throughout and some vertical hairline cracks are evident over the columns. Overall, the concrete bent caps appear to be in satisfactory condition.</p>									
Metal Bridge Railing	MAIN	330	2	68.00	ft	68.00	0.00	0.00	0.00
<p>The railings consist of a painted steel channel mounted on painted double steel angle posts. The paint on the railing members appears to be in fair to good condition with some areas of surface rust evident.</p>									
Lead Based Paint	MAIN	816	2	196.00	sq.ft	196.00	0.00	0.00	0.00
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Action	Agency Status	Agency Priority	Assigned to	Rec. Date	Str No	Assigned To	Notes	Target Year
			No					