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Bridge No: 1701 397

Date of Inspection: 08/15/2024

Load Rating Date: 08/13/2010

Print Date:

Report Uploaded

25-Nov-24

Sufficiency Rating: 75.2 SD/FO: ND

IDENTIFICATION

Bridge ID: 1701 397

5) Inventory Route

A) On/Under: Route On Structure

D) Route No: 00397

6) Feature Intersected: I 95, DELAWARE TURNPIKE

7) Facility Carried: OTTS CHAPEL RD

9) Location: S.W. OF NEWARK

16) Latitude: 39° 38' 26"

98) Border Bridge Code: Not Applicable (P)

STRUCTURE TYPE AND MATERIALS

43 A & B) Main Span Mtrl/Design: 3 Steel

02 Stringer/Girder

44 A & B) Appr Span Mtrl/Design:

45) Main Spans: 5

108A) Wearing Surface: 3 Latex Concrete/Simila

Deck Sealing: Epoxy

Pier 1: 33

Pier 2: NA

Abut 1: 2

Abut 2: NA

NAVIGATION DATA

38) Navigation Control: NA-no waterway

111) Pier Protection: Not Applicable (P)

AGE AND SERVICE

19) Detour Length: 3.4 mi

28) No. of Lanes

29) ADT: 14225

42) Type of Service

106) Year Reconst.: NA

CLASSIFICATION

12) Base Hwy Network: 0

20) Toll Facility: 3 On free road

26) Functional Class: 17 Urban Collector

101) Parallel Str.: No || bridge exists

104) Hwy System: 0 Not on NHS

112) NBIS Length: Long Enough

LOAD RATING AND POSTING

31) Design Load: 5 MS 18 (HS 20)

63) Oper. Rating Method: 8 LRFR (HL93)

65) Inventory Rating Method: 8 LRFR (HL93)

Reason of Posting: _

S220: NA

T330:

SU4 :

SU7 :

PROPOSED IMPROVEMENTS

75) Type of Work: 31 Repl-Load Capacit

94) Bridge Cost: \$800000.00

96) Total Cost: \$1000000.00

114) Future ADT: 20,091

CONTRACT INFORMATION

Contract 1: 7002

Contract 4: NA

2) District: Canal District

B) Highway Type: 4 County Hwy

E) Direction: 0 N/A (NBI)

17) Longitude: 075° 46' 45"

99) Border Br. Str. No.: Unknown

46) Approach Spans: 0

108B) Membrane: 0 None

Deck Sealing Date: 01/01/1901

Pier Ftg.1: A

Abut Ftg.1: B

39) Vert. Clearance: 0.0 ft

116) Lift Bridge Vert. Clearance:

27) Year Built: 1962

A) On Bridge: 2

30) Year of ADT: 2023

A) On Bridge: 1 Highway

109) % Truck ADT: 7

13A) LRS Inv. Rte:

21) Maintenance: State Highway Agency

37) Historical: 5 Not eligible for NRHP

102) Direction: 2 2-way traffic

41) Posting status: A Open, no restrict

64) Operating Rating: 1.31 rf

Date of Resolution: NA

S335:

T435:

SU5:

EV2:

76) Length of Imp.: -1.0 ft

95) Rdwy Cost: \$200000.00

97) Yr of Cost Est: 2005

115) Yr of Fut. ADT: 2042

Contract 2: 7422

Contract 5: NA

Type of Inspection(s) Performed

UW

☐

NBI

☒

Other

☐

FC

☐

Element

☒

3) County: 03 New Castle

4) Place Code: Palm Spring Manor

C) Service Lvl: 1 Mainline

11) Mile Pnt: 1.100 mi

107) Deck Type: 1 Concrete-Cast-in-Place

108C) Deck Prot: None

Pier Ftg.2: NA

Abut Ftg.2: NA

40) Hor. Clr: 0.0 ft

0.0 ft

B) Under Br.: 6

B) Under Br.: 1 Highway

13B) LRS SubRte No:

22) Owner: 1

38) Defense Hwy: 0 Not a STRAHNET hwy

103) Temp. Str.: [blank] Not temporary

70) Br Posting: 5 At/Above Legal Loads

66) Inv. Rating: 1.01 rf

Rating Date: 08/13/2010

S437:

T540:

SU6:

EV3:

Contract 3: 8509103

Contract 6: NA

INSPECTION

90) Inspection Date: 8/15/2024

92A) FC Frequency:

92B) UW Frequency:

92C) SI Frequency:

Element Frequency: 24 months

UBIV Required: N

UBIV Freq: -1

Boat: N

LC Insp Req: N

91) Frequency: 24 months

93A) FC Insp. Date: NA

93B) UW Insp. Date: NA

SI Date 93C: NA

Elem. Insp. Date: 8/15/2024

UBIV Days: -1

UBIV Insp Date: 01/01/1901

Tidal: N

LC Insp Date: 01/01/1901

Next Insp.: 8/15/2026

Next FC Insp: NA

Next UW Insp.: NA

Next SI: NA

Next El. Insp.: 8/15/2026

Inspection Zone: 97

GPS: Y

CONDITION

58) Deck: 7 Good

61) Channel: N N/A (NBI)

62) Culvert: N N/A (NBI)

59) Superstructure: 5 Fair

60) Sub Str: 5 Fair

APPRAISAL

36) Traffic Safety Features

A) Bridge Rail: 1 Meets Standards

D) Approach Rail Ends: 0 Substandard

67) Str. Evaluation: 5 Above Min Tolerable

71) Waterway Adequacy: N Not applicable

113) Scour Critical: N Not Over Waterway

B) Transition: 1 Meets Standards

C) Appr. Rail: 1 Meets Standards

68) Deck Geometry: 4 Tolerable

69) Under Clr: 4 Tolerable

72) Approach Alignment: 8 Equal Desirable Crit

GEOMETRIC DATA

32) Appr. Rdwy Width (w/ Shldrs): 41.00 ft

34) Skew: 17°

48) Length Max Span: 77.33 ft

50) Curb or Sidewalk

51) Width Curb to Curb : 33.33 ft

53) Minimum Vertical Clearance Over Bridge:

54) Vertical Underclearance

55) Lateral Underclearance

56) Minimum Lateral Underclearance - Minimum Left: 17.10 ft

33) Median: 0 No median

35) Structure Flared: 0 No flare

49) Structure Length: 279.33 ft

A) Left: 0.00 ft

B) Right: 0.00 ft

52) Width Out to Out: 38.50 ft

99.99 ft

A) Reference: H Hwy beneath struct

B) Minimum: 15.73 ft

A) Reference: H Hwy beneath struct

B) Minimum: 11.51

ELEMENT CONDITION STATE DATA

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4
12/2	Re Concrete Deck	sq.ft	10,700.00	10,628.00	25.00	47.00	0.00
510/2	Wearing Surfaces	sq.ft	10,700.00	10,637.00	63.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	1.00	1.00	0.00	0.00	0.00
107/2	Steel Opn Girder/Beam	ft	1,370.00	600.00	369.00	401.00	0.00
515/2	Steel Protective Coating	sq.ft	1,498.00	1,180.00	0.00	136.00	182.00
515/2	Steel Protective Coating	sq.ft	1,590.00	504.00	0.00	883.00	203.00
515/2	Steel Protective Coating	sq.ft	2,151.00	1,010.00	0.00	439.00	702.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,254.00	0.00	915.00	1,401.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,474.00	0.00	952.00	1,144.00
205/2	Re Conc Column	each	12.00	5.00	2.00	5.00	0.00
215/2	Re Conc Abutment	ft	80.00	70.00	0.00	10.00	0.00
234/2	Re Conc Pier Cap	ft	148.00	102.00	23.00	23.00	0.00
300/2	Strip Seal Exp Joint	ft	144.00	62.00	46.00	36.00	0.00
311/2	Moveable Bearing	each	25.00	7.00	14.00	4.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	12.00	0.00	0.00	18.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
313/2	Fixed Bearing	each	25.00	18.00	5.00	2.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	18.00	0.00	6.00	6.00
330/2	Metal Bridge Railing	ft	532.00	525.00	5.00	2.00	0.00
331/2	Re Conc Bridge Railing	ft	566.00	538.00	15.00	13.00	0.00
521/2	Conc Prot Coating	sq.ft	1,078.00	1,075.00	0.00	0.00	3.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	1,092.00	1,092.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	504.00	504.00	0.00	0.00	0.00
825/2	R/C Abutment Backwall	ft	80.00	74.00	3.00	3.00	0.00
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
881/2	Steel Diap	(EA)	118.00	40.00	77.00	1.00	0.00
515/2	Steel Protective Coating	sq.ft	828.00	288.00	0.00	540.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
515/2	Steel Protective Coating	sq.ft	1,080.00	324.00	0.00	756.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
515/2	Steel Protective Coating	sq.ft	1,116.00	288.00	0.00	828.00	0.00
890/2	RC Wingwalls	(LF)	48.00	48.00	0.00	0.00	0.00

INSPECTION

Inspection Date: 08/15/2024 Type: 1 Regular NBI
Inspector: PENNONI PENNONI BrM User:
Scope:
NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical ☐

INSPECTION NOTES *CR* 11/26/2024

INSPECTED BY PENNONI: G.BILES (TL,I,P,R) / A. AWOGBAMILA (I,U) / M.SHERMAN (I,U,P)

INSPECTION STARTED ON 8/15/24 AND COMPLETED ON 8/27/24.

INSPECTION ACCESS:

A PENNONI OWNED 45-FOOT TRUCK LIFT WAS USED FOR ALL AREAS OVER ROADWAYS WITH LADDERS AND INSPECTORS ON FOOT FOR END SPANS AS REQUIRED. HANDS ON ACCESS WAS ACHIEVED OVER 100% OF THE STRUCTURE EXCEPT TOP OF DECK WHICH WAS VISUALLY INSPECTED FROM THE SHOULDERS.

INSPECTION NOTES:

- THE SOUTHEAST APPROACH GUARDRAIL EXHIBITS MODERATE COLLISION DAMAGE BETWEEN POSTS 8 TO 12 (PHOTO 45).
- ITEM 59 SUPERSTRUCTURE HAS BEEN DOWNGRADED FROM A 6 TO A 5 IN ACCORDANCE WITH APPENDIX G OF THE BEIM.
- ITEM 60 SUBSTRUCTURE HAS BEEN DOWNGRADED FROM A 6 TO A 5 IN ACCORDANCE WITH APPENDIX G OF THE BEIM.

- RECOMMEND THE BIE UPDATE ITEM 10 INCREASE FROM 15.9 TO 16.0. - UPDATED
- RECOMMEND THE BIE UPDATE ITEM 47 DECREASE FROM 57.7 TO 57.1 - UPDATED
- RECOMMEND THE BIE UPDATE ITEM 55 INCREASE FROM 11.36 TO 11.51 - UPDATED
- THE PREVIOUSLY REPORTED HEAVILY CRACKED AND SPALLS AT THE SOUTH APPROACH ROADWAY, ADJACENT TO THE DECK HAS BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 9).

MAXIMO MAINTENANCE:

B003-S2J: PIER 1, SPAN 2, PEDESTAL 3 IS CRACKED AND DELAMINATED AND SHOULD BE REPAIRED (PHOTO 38).

PIER 3, SPAN 3, PEDESTAL 3 IS FRACTURED/SPALLED AND SHOULD BE RECONSTRUCTED (PHOTO 39).

PIER 4, SPAN 5, PEDESTAL 5 IS SPALLED WITH BEARING LOSS AND SHOULD BE REPAIRED (PHOTO 32).

B041-S3B: REPAIR THE SPALLS IN THE NORTH AND SOUTH ABUTMENT BACKWALLS (< 1 CY) (PHOTO 33).

PENNONI RECOMMENDED MAINTENANCE:

- REPAIR THE SPALLS IN THE SOFFIT (PHOTO 20).
- REPLACE THE MISSING/SHEARED OR CRACKED HANDRAIL ANCHOR BOLT NUTS (PHOTO (PHOTO 13)).
- RE-GREASE PIER 3 AND PIER 4 BEARINGS WHERE NEEDED (PHOTO 31).
- REPAIR THE DAMAGED GUARDRAIL AT THE SOUTHEAST APPROACH (PHOTO 45).
- CLEAN THE DEBRIS FROM THE STRIP SEAL JOINTS (PHOTO 10). (WO# 1379835)

STRUCTURE NOTES

Year Bridge Painted:	NA	Comments:
Date of Deck Sealing:	01/01/1901	Comments: deck: silane and hand sealed
Date of Non Structural Deck Overlay:	01/01/1901	Comments:
Date of Structural Deck Resurfacing:	01/01/1901	Comments:
Date of Current Bridge Joints:	01/01/1901	Comments: Full strip-seal joint replace

Bridge No: 1701 397
Date of Inspection: 08/15/2024
Load Rating Date: 08/13/2010

Print Date:
Report Uploaded 25-Nov-24

NBI DONE BY: ANDY CONKLIN

....NOTE: SCALE FACTORS ENTERED BY GRD ON 02/12/07, DO NOT CHANGE OR ERASE....

ELEMENT CONDITION STATE DATA FOR SPAN 1

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
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ELEMENT CONDITION STATE DATA FOR SPAN 1

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
12/2	Re Concrete Deck	sq.ft	10,700.00	10,628.00	25.00	47.00	0.00	NOTE: THERE HAS BEEN NUMEROUS SOFFIT REPAIRS THROUGHOUT ALL SPANS, INCLUDING HAUNCHES OVER PIERS AND ABUTMENTS (PHOTOS 16 AND 17) DECK NOTES: SEE 510 WEARING SURFACE. SOFFIT NOTES: EXPOSED REBAR: CS3: (2 SF) SPAN 2, BAY 4, 8-FEET SOUTH OF PIER 2; 1FT-3IN L x 3IN W x 1IN D WITH EXPOSED CORRODED REINFORCEMENT WITH NEGLIGIBLE SECTION LOSS (PHOTO 21), (2 SF). DELAMINATION/SPALL (1080): CS3: (37 SF) WEST OVERHANG, 5-FEET NORTH OF THE SOUTH ABUTMENT; 5IN L x 5IN W x 1IN D (1 SF). EAST OVERHANG, 8-FEET NORTH OF THE SOUTH ABUTMENT EXHIBITS A 10IN L x 6IN W x 1 1/2IN D PAINTED OVER SPALL (1 SF). SPAN 1 SOFFIT HAUNCH, ALONG THE EAST TOP FLANGE OF GIRDER 1, BETWEEN DIAPHRAGM 3 AND PIER 1 EXHIBITS A 10FT L x 2IN W x 2IN D SPALL (10 SF). SPAN 1, BAY 1, BETWEEN INTERIOR DIAPHRAGM 2 AND 3 EXHIBITS A 2FT L x 1.5FT W UNSOUND CONCRETE PATCH (2 SF). SPAN 2, BAY 1 AT PIER 1 EXHIBITS A 3FT W x 13IN L x 1 3/4IN D SPALL WITH EXPOSED AND LIGHTLY CORRODED STEEL REINFORCEMENT (3 SF), (PHOTO 20). SPAN 2, BAY 1, OVER THE LEFT SHOULDER EXHIBITS A 6IN L x 6IN W x 2 1/2IN D SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT (1 SF), (PHOTO 18). SPAN 2, BAY 1, OVER THE CENTER LANE EXHIBITS A 1FT DIAMETER x 3IN D SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT (1 SF), (PHOTO 19). SPAN 2, BAY 1, OVER THE RIGHT LANE, 25-FEET NORTH OF PIER 1 EXHIBITS A 2FT-3IN L x 2FT-3IN W DELAMINATED CONCRETE PATCH, (5 SF). SPAN 5, EAST SOFFIT HAUNCH ADJACENT TO GIRDER 3 AT PIER 4, EXHIBITS A 3FT L x 2IN W x 2IN D SPALL (3 SF). SPAN 5, EAST SOFFIT HAUNCH ADJACENT TO GIRDER 5 BETWEEN INTERIOR DIAPHRAGM 3 AND PIER 4 EXHIBITS A 10FT L x 2IN W x 2IN D SPALL (10 SF). CS2: (8 SF) SPAN 1, BAY 4, AT THE SOUTH ABUTMENT EXHIBITS A 2FT L x 2FT W DELAMINATION (4 SF). SPAN 1, BAY 4, AT MID-SPAN EXHIBITS A 1-FOOT DIAMETER (1 SF). SPAN 4, EAST OVERHANG, AT PIER 3 EXHIBITS A 1FT-3IN L x 2FT W DELAMINATION/ IMMINENT SPALL (3 SF). EFFLORESCENCE/RUST STAINING (1120): CS3: (8 SF) SPAN 3, BAY 1, AT THE FIRST INTERIOR DIAPHRAGM EXHIBITS A 4FT L x 2FT W AREA OF HAIRLINE MAP CRACKING WITH CORROSION (8 SF), (PHOTO 22). CS2: (17 SF) SPAN 1, BAY 1, AT MID-SPAN EXHIBITS A 1-FOOT LONG HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE (1 SF). SPAN 1, BAY 1, AT 2/3 SPAN EXHIBITS A 4-FOOT LONG HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE (1 SF). SPAN 3, BAY 4, AT NORTH END EXHIBITS A 1-FOOT LONG HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE (1 SF). SPAN 4, BAY 1, 5-FEET FROM PIER 4 EXHIBITS A 2-FOOT LONG HAIRLINE CRACK WITH EFFLORESCENCE (2 SF). SPAN 4, BAY 1, 18-FEET SOUTH OF PIER 4 EXHIBITS A 2-FOOT LONG HAIRLINE TRANSVERSE CRACK WITH AN ADJACENT 10IN L x 6IN W DELAMINATION (1 SF).

ELEMENT CONDITION STATE DATA FOR SPAN 1

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
								SPAN 4, BAY 4, AT PIER 4 EXHIBITS A 1-FOOT LONG HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE (1 SF). SPAN 4, BAY 4, OVER THE SINGLE YELLOW LINE, ADJACENT TO THE RIGHT LANE EXHIBITS A FULL-WIDTH HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE (1 SF). SPAN 5, BAY 1, 10-FEET FROM THE NORTH ABUTMENT EXHIBITS A 3-FOOT DIAMETER AREA OF HAIRLINE TRANSVERSE CRACKS AND A 2FT L x 3FT W AREA OF HAIRLINE MAP CRACKS WITH EFFLORESCENCE (9 SF)
510/2	Wearing Surfaces	sq.ft	10,700.00	10,637.00	63.00	0.00	0.00	NOTES: THE LAST ROUTINE INSPECTION INDICATED A DEPRESSED AREA WITH CRACKING UP TO 1/4-INCH WIDE AT THE SOUTH ABUTMENT, SOUTHBOUND TRAVEL LANE AND A DELAMINATED ASPHALT PATCH AT THE WEST END OF THE STRIP SEAL JOINT. THESE HAVE BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 9). THERE ARE NUMEROUS SOUND CONCRETE PATCHES THROUGHOUT ALL SPANS (PHOTO 8). DELAMINATION/SPALL: CS2: (63 SF) (SEE THE 2020 BDI DECK EVALUATION SHEET) CRACK (WEARING SURFACE): CS1: (10632 SF) WEARING SURFACE EXHIBITS RANDOM CRACKS UP TO 1/16-INCH WIDE, AREAS OF EXPOSED AGGREGATE, AND SOUND PATCHES THROUGHOUT. SOME CONCRETE PATCHES EXHIBIT UP TO 1/16-INCH WIDE CRACKS.
3210/2	Del/Spall/Patch/Pot(Wear Surf)	sq.ft	63.00	0.00	63.00	0.00	0.00	—
3220/2	Crack (Wearing Surface)	sq.ft	10,632.00	10,632.00	0.00	0.00	0.00	—
521/2	Conc Prot Coating	sq.ft	1.00	1.00	0.00	0.00	0.00	NOTE: DECK WAS TREATED WITH SILENE JUNE 2023. CS1: (1 SF) NDN.
1080/2	Delamination/Spall/Patched Area	sq.ft	45.00	0.00	8.00	37.00	0.00	—
1090/2	Exposed Rebar	sq.ft	2.00	0.00	0.00	2.00	0.00	—
1120/2	Efflorescence/Rust Staining	sq.ft	25.00	0.00	17.00	8.00	0.00	—
107/2	Steel Opn Girder/Beam	ft	165.00	130.00	15.00	20.00	0.00	NOTE: BEAM ENDS AT THE ABUTMENT AND PIER WERE SPOT PAINTED IN 2023. CORROSION (1000): CS3: (20 LF) GIRDER 1, EAST TOP FLANGE BETWEEN INTERIOR DIAPHRAGM 3 AND PIER 1 EXHIBITS MODERATE CORROSION (10 LF), THERE ARE A FEW OTHER RANDOM AREAS OF MODERATE CORROSION ALONG THE TOP AND BOTTOM FLANGES THROUGHOUT (5 LF). GIRDER 5 EXHIBITS RANDOM AREAS OF MINOR TO MODERATE CORROSION ALONG THE TOP AND BOTTOM FLANGES (5 LF). CS2: (15 LF) GIRDERS 2, 3, AND 4 EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION THROUGHOUT (5 LF EA).
515/2	Steel Protective Coating	sq.ft	1,498.00	1,180.00	0.00	136.00	182.00	EFFECTIVENESS (3440): CS4: (182 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF CORROSION. CS3: (136 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF FRECKLED CORROSION.
1000/2	Corrosion	ft	35.00	0.00	15.00	20.00	0.00	—

ELEMENT CONDITION STATE DATA FOR SPAN 1

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
205/2	Re Conc Column	each	3.00	2.00	1.00	0.00	0.00	NOTE: PIER 1 COLUMNS HAVE HAD REPAIRS MADE SINCE THE LAST INSPECTION (PHOTO 43). DELAMINATION/SPALL (1080): CS2: (1 EA) PIER 1, NORTH FACE EXHIBITS A 2FT H x 6IN W DELAMINATION. THE WEST FACE EXHIBITS A 6FT H x 2FT W DELAMINATION. THE NORTH FACE AT THE BASE EXHIBITS A 3IN DIAMETER x 1IN D SPALL. THE NORTHWEST AND SOUTHWEST CHAMFER PORTIONS EXHIBIT DELAMINATIONS UP TO 3FT H x 6IN W.
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00	–
215/2	Re Conc Abutment	ft	40.00	39.00	0.00	1.00	0.00	DELAMINATION/SPALL (1080): CS3: (1 LF) PEDESTAL 5, BEHIND GIRDER 5, EXHIBITS A 1FT DIAMETER x UP TO 1 1/2IN D PAINTED OVER SPALL (PHOTO 35). CRACKING (1130): CS1: (39 LF) THE ABUTMENT STEM EXHIBITS RANDOM AREAS OF HAIRLINE CRACKS THROUGHOUT. (NC-24)
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00	–
1130/2	Cracking (RC and Other)	ft	39.00	39.00	0.00	0.00	0.00	–
234/2	Re Conc Pier Cap	ft	37.00	27.00	7.00	3.00	0.00	NOTE: THE NORTH FACE OF PIER CAP AT GIRDER 1 AND BEARING 1 PEDESTAL HAVE BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 36). EFFLORESCENCE/RUST STAINING (1120): CS3: (3 LF) NORTH FACE, AT THE WEST END, EXHIBITS FOUR (4) UP TO 1FT L x HAIRLINE HORIZONTAL CRACKS WITH CORROSION STAINING (2 LF), (PHOTO 37). EAST UNDERSIDE END OF THE PIER CAP BELOW GIRDER 5 EXHIBITS A 1-FOOT LONG HAIRLINE CRACK WITH CORROSION (1 LF). DELAMINATION/SPALL (1080): CS2: (6 LF) NORTH FACE AT BAY 1 ALONG THE TOP EXHIBITS A 2FT-6IN L HORIZONTAL CRACK WITH A 2FT-6IN L x 6IN H DELAMINATION (3 LF). NORTH FACE, BAY 4, EXHIBITS A 1FT L x 1/16IN W HORIZONTAL CRACK WITH AN ASSOCIATED MINOR DELAMINATION AT THE TOP OF THE CAP, AND A 4IN H x 2FT-4IN L DELAMINATION WITH 1/16IN W CRACKING THROUGHOUT AT THE BOTTOM OF THE CAP (3 LF). CRACKING (1130): CS2: (1 LF) PEDESTAL 3, NORTHWEST CORNER EXHIBITS A 1/8-INCH WIDE VERTICAL CRACK FROM THE BASE UP TO THE ANCHOR BOLT, AND THE WEST HALF OF THE NORTH FACE IS DELAMINATED 1FT W x 8IN H (PHOTO 38), (1 LF). CS1: (24 LF) THE PIER CAP EXHIBITS RANDOM UP TO 1/16IN W VERTICAL, HORIZONTAL, AND MAP CRACKS THROUGHOUT.
1080/2	Delamination/Spall/Patched Area	ft	6.00	0.00	6.00	0.00	0.00	–
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00	–
1130/2	Cracking (RC and Other)	ft	25.00	24.00	1.00	0.00	0.00	–
300/2	Strip Seal Exp Joint	ft	36.00	26.00	10.00	0.00	0.00	NOTE: STRIP SEAL JOINT WAS REPLACED IN 2023 DEBRIS IMPACTION (2350): CS2: (10 LF) THE STRIP SEAL JOINT IS PARTIALLY FILLED WITH PARD PACKED DEBRIS IN THE SHOULDER PORTIONS THAT DOES NOT AFFECT MOVEMENT.

ELEMENT CONDITION STATE DATA FOR SPAN 1

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
2350/2	Debris Impaction	ft	10.00	0.00	10.00	0.00	0.00	–
311/2	Moveable Bearing	each	5.00	5.00	0.00	0.00	0.00	NOTE: THE MOVEABLE BEARINGS ARE LOCATED AT PIER 1. CS1: (5 EA) NDN. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00	NOTE: BEARINGS ARE WELL GREASED CS1: (30 SF) NDN. (NC-24)
313/2	Fixed Bearing	each	5.00	5.00	0.00	0.00	0.00	NOTES: THE FIXED BEARINGS ARE LOCATED AT THE SOUTH ABUTMENT. CS1: (5 EA) NDN. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00	NOTE: BEARINGS ARE WELL GREASED CS1: (30 SF) NDN. (NC-24)
330/2	Metal Bridge Railing	ft	74.00	74.00	0.00	0.00	0.00	NOTE: ALL MISSING / CRACKED OR SHEARED BOLTS HAVE BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 11). CS1: (74 LF) NDN.
331/2	Re Conc Bridge Railing	ft	92.00	92.00	0.00	0.00	0.00	NOTE: THE CONCRETE RAILS WERE PAINTED IN 2023 CS1: (92 LF) NDN. (NC-24)
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00	CS1: (644 SF) NDN. (NC-24)
825/2	R/C Abutment Backwall	ft	40.00	38.00	0.00	2.00	0.00	DELAMINATION/SPALL (1080): CS3: (2 LF) BACKWALL, BEHIND GIRDER 1, EXHIBITS A 10IN W x 5IN H x UP TO 2IN D SPALL (PHOTO 33), (1 LF). BACKWALL BEHIND GIRDER 5 EXHIBITS A 10IN W x 5IN H x 1/4-IN D SPALL AT THE TOP (1 LF). CRACKING (1130): CS1: (38 LF) THE BACKWALL EXHIBITS RANDOM AREAS OF HAIRLINE CRACKS THROUGHOUT. (NC-24)
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00	CS1: (1 EA) THE DISTRESSED AREA IS LESS THAN 2% OF THE TOTAL UNDERSIDE AREA. (NC-24)
881/2	Steel Diap	(EA)	17.00	8.00	9.00	0.00	0.00	NOTE: DIAPHRAGMS WERE PAINTED AT THE ABUTMENT AND PIER IN 2023 CORROSION (1000): CS2: (9 EA) THE INTERIOR DIAPHRAGMS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION. (NC-24)
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00	EFFECTIVENESS (3440): CS3: (324 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF FRECKLED CORROSION. (NC-24)
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00	–
890/2	RC Wingwalls	(LF)	24.00	24.00	0.00	0.00	0.00	NOTE: THE EAST AND WEST WINGWALLS EXHIBIT HEAVY VEGETATION OVERGROWTH. CS1: (24 LF) NDN. (NC-24)
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00	–
1130/2	Cracking (RC and Other)	ft	38.00	38.00	0.00	0.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 2

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
107/2	Steel Opn Girder/Beam	ft	390.00	161.00	104.00	125.00	0.00	NOTE: PREVIOUS REPORT INDICATED THAT THE NORTH END OF GIRDER 2 EXHIBITS A 1/16-INCH GAP AT 71 DEGREES FAHRENHEIT BETWEEN THE GIRDER END AND SPAN 3 PEDESTAL. THIS WAS NOT OBSERVED DURING THE 2024 INSPECTION DUE TO BEING HEAVILY GREASED. THE VERBIAGE AND QUANTITIES BELOW WILL REMAIN AS THE GREASE WAS NOT REMOVED TO VERIFY. IN 2023 THE BEAM ENDS WERE PAINTED OVER BOTH PIERS. CORROSION (1000): CS3: (125 LF) GIRDERS EXHIBIT RANDOM AREAS OF MODERATE SURFACE CORROSION (25 LF EA). CS2: (104 LF) GIRDERS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION THROUGHOUT (20 LF EA). GIRDER 1, OVER THE RIGHT LANE EXHIBITS MINOR SCRAPE MARKS WITH LIGHT CORROSION (4 LF). DAMAGE (7000): CS2: (4 LF) GIRDER 1, OVER THE RIGHT LANE, EXHIBITS MINOR SCRAPE MARKS WITH LIGHT CORROSION, SEE CS2 CORROSION DEFECT ABOVE. (NC-24)
515/2	Steel Protective Coating	sq.ft	3,570.00	1,474.00	0.00	952.00	1,144.00	EFFECTIVENESS (3440): CS4: (1144 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF MODERATE CORROSION. CS3: (952 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF FRECKLED CORROSION. NOTE: - IN JUNE OF 2023 THE BEAM ENDS WERE PAINTED OVER BOTH PIERS.
1000/2	Corrosion	ft	229.00	0.00	104.00	125.00	0.00	-
7000/2	Damage	ft	4.00	0.00	4.00	0.00	0.00	-
205/2	Re Conc Column	each	3.00	2.00	1.00	0.00	0.00	DELAMINATION/SPALL (1080): CS2: (1 EA) COLUMN 3, NORTHWEST CORNER AT THE TOP EXHIBITS CONCRETE COATING FAILURE AND A 1/8-INCH THICK LAYER OF CONCRETE IS PEELING OFF 2 FT H x 3 IN W.
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00	-
234/2	Re Conc Pier Cap	ft	37.00	24.00	10.00	3.00	0.00	EFFLORESCENCE/RUST STAINING (1120): CS3: (3 LF) NORTH FACE, AT THE WEST END, EXHIBITS A 1 FT L x HAIRLINE HORIZONTAL CRACK WITH CORROSION STAINING (1 LF). WEST FACE AT PEDESTAL INTERFACE EXHIBITS A HAIRLINE CRACK WITH CORROSION STAINING (1 LF). SOUTH FACE, AT THE WEST END, EXHIBITS A 1 FT L x HAIRLINE HORIZONTAL CRACK WITH CORROSION STAINING (1 LF). DELAMINATION/SPALL (1080): CS2: (10 LF) ALL PEDESTALS EXHIBIT UP TO 1-FEET DIAMETER DELAMINATIONS WITH UP TO 1/16-INCH WIDE CRACKING RANDOMLY THROUGHOUT ALL FACES (2 LF EA). CRACKING (1130): CS1: (14 LF) THE PIER CAP EXHIBITS HAIRLINE VERTICAL AND HORIZONTAL CRACKS RANDOMLY THROUGHOUT (APPROX. 25% OF TOTAL LENGTH). NORTH FACE, BAY 1, EXHIBITS MULTIPLE UP TO 3 FT L x 1/16 IN W HORIZONTAL CRACKS (4 LF). (NC-24)

ELEMENT CONDITION STATE DATA FOR SPAN 2

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
1080/2	Delamination/Spall/Patched Area	ft	10.00	0.00	10.00	0.00	0.00	–
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00	–
1130/2	Cracking (RC and Other)	ft	14.00	14.00	0.00	0.00	0.00	–
300/2	Strip Seal Exp Joint	ft	36.00	18.00	18.00	0.00	0.00	NOTE: STRIP SEAL JOINT WAS REPLACED IN 2023 DEBRIS IMPACTION (2350): CS2: (18 LF) THE SHOULDER PORTIONS OF THE STRIP SEAL JOINT EXHIBITS PARTIALLY FILLED AREAS OF HARD PACKED DEBRIS THAT DOES NOT AFFECT MOVEMENT.
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00	–
311/2	Moveable Bearing	each	5.00	0.00	5.00	0.00	0.00	NOTE: THE PREVIOUS INSPECTION INDICATED CORROSION ALONG THE MASONRY PLATES AND 1/4-INCH PACK RUST AT BEARING 4 RESULTING IN MINIMAL BEARING LOSS. DURING THE 2024 INSPECTION, THESE DEFECTS WERE NOT OBSERVED DUE TO THE AMOUNT OF GREASE APPLIED TO THE BEARINGS (PHOTO 28). THE VERBIAGE AND QUANTITIES BELOW WILL REMAIN AS THE GREASE WAS NOT REMOVED TO VERIFY. CORROSION (1000): CS2: (4 EA) BEARINGS TYPICALLY EXHIBIT MINOR SURFACE CORROSION ON THE EDGES OF THE MASONRY PLATES. LOSS OF BEARING (2240): CS2: (1 EA) BEARING 4, AT PIER 2, EXHIBITS UP TO 1/4-INCH PACK RUST BETWEEN THE SOLE PLATE AND BRONZE PLATE ALONG THE EAST EDGE WITH LOSS OF BEARING OVER A 2-INCH WIDE AREA FOR THE FULL-LENGTH. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00	EFFECTIVENESS (3440): CS3: (30 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF CORROSION. (NC-24)
1000/2	Corrosion	each	4.00	0.00	4.00	0.00	0.00	–
2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00	–
313/2	Fixed Bearing	each	5.00	5.00	0.00	0.00	0.00	CS1: (5 EA) NDN. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00	NOTE: BEARINGS ARE WELL GREASED CS1: (30 SF) NDN. (NC-24)
330/2	Metal Bridge Railing	ft	154.00	151.00	3.00	0.00	0.00	NOTE: NUMEROUS MISSING/CRACKED OR SHEARED NUTS HAVE BEEN REPLACED IN 2023. THE PUNCTURE HOLE NOTED IN THE PREVIOUS REPORT HAS BEEN REPAIRED IN 2023 (PHOTO 12). CONNECTION (1020): CS2: (1 LF) THE WEST RAILING EXHIBITS ONE (1) CRACKED ANCHOR BOLT NUT AT POST BASE 10 FROM THE SOUTH. DISTORTION (1900): CS2: (2 LF) WEST RAIL, POSTS 7 AND 8, EXHIBITS MINOR IMPACT DAMAGE WITH A DENTED BOTTOM RAIL (2 LF). DAMAGE (7000): CS2: (2 LF) WEST RAIL, POSTS 7 AND 8 EXHIBIT IMPACT MINOR DAMAGE, SEE CS2 DISTORTION DEFECT ABOVE.
1020/2	Connection	ft	1.00	0.00	1.00	0.00	0.00	–
1900/2	Distortion	ft	2.00	0.00	2.00	0.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 2

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
7000/2	Damage	ft	2.00	0.00	2.00	0.00	0.00	–
331/2	Re Conc Bridge Railing	ft	154.00	141.00	10.00	3.00	0.00	NOTE: BOTH CONCRETE RAILS WERE PAINTED IN 2023 EXPOSED REBAR (1090): CS3: (3 LF) WEST CONCRETE RAIL BETWEEN POSTS 7 AND 8 EXHIBIT THREE (3) EXPOSED CORRODED STEEL REINFORCEMENT BARS WITH NEGLIGIBLE SECTION LOSS (PHOTO 14). CRACKING (1130): CS2: (10 LF) WEST CONCRETE RAIL, TOP FACE BETWEEN POSTS 7 AND 9, EXHIBIT A 10FT L x UP TO 1/4IN W SEALED CRACK WITH AN ADJACENT 5IN L x 4IN W x 1IN D PAINTED OVER SPALL.
521/2	Conc Prot Coating	sq.ft	1,078.00	1,075.00	0.00	0.00	3.00	EFFECTIVENESS: CS4: (3 SF) THE CONCRETE PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF EXPOSED CORRODED STEEL REINFORCEMENT BARS.
1090/2	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00	–
1130/2	Cracking (RC and Other)	ft	10.00	0.00	10.00	0.00	0.00	–
881/2	Steel Diap	(EA)	31.00	8.00	23.00	0.00	0.00	NOTE: DIAPHRAGMS OVER PIERS WERE PAINTED IN 2023 CORROSION (1000): CS2: (23 EA) INTERIOR DIAPHRAGMS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION. (NC-24)
515/2	Steel Protective Coating	sq.ft	1,116.00	288.00	0.00	828.00	0.00	EFFECTIVENESS: CS3: (828 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF FRECKLED CORROSION. (NC-24)
1000/2	Corrosion	(EA)	23.00	0.00	23.00	0.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 3

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
107/2	Steel Opn Girder/Beam	ft	245.00	115.00	50.00	80.00	0.00	NOTE: GIRDER ENDS OVER PIERS WERE PAINTED IN 2023 CORROSION (1000): CS3: (80 LF) GIRDERS EXHIBIT RANDOM AREAS OF MODERATE SURFACE CORROSION (16 LF EA). CS2: (50 LF) GIRDERS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION THROUGHOUT (10 LF EA). (NC-24)
515/2	Steel Protective Coating	sq.ft	2,151.00	1,010.00	0.00	439.00	702.00	EFFECTIVENESS (3440): CS4: (702 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF MODERATE CORROSION. CS3: (439 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF MINOR CORROSION. (NC-24)
1000/2	Corrosion	ft	130.00	0.00	50.00	80.00	0.00	-
205/2	Re Conc Column	each	3.00	1.00	0.00	2.00	0.00	EFFLORESCENCE/RUST STAINING (1120): CS3: (2 EA) COLUMN 1, NORTH FACE, AT THE BOTTOM, EXHIBITS A 2FT L x 1/16IN W VERTICAL CRACK WITH CORROSION STAINING (1 EA). COLUMN 3, NORTH AND EAST FACES, AT THE BOTTOM, EXHIBITS THREE (3) 3FT L x 1/16IN W VERTICAL CRACKS WITH CORROSION STAINING (PHOTO 44), (1 EA). DELAMINATION/SPALL (1080): CS3: COLUMN 1, NORTH FACE, 6IN H x 2IN W x 1/2IN D SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT (QUANTITY ACCOUNTED FOR IN CS3 EFFLORESCENCE/RUST ABOVE). CRACKING (1130): CS1: (1 EA) THE COLUMNS EXHIBIT UP TO 1/16-INCH WIDE MAP-CRACKS RANDOMLY THROUGHOUT.
1120/2	Efflorescence/Rust Staining	each	2.00	0.00	0.00	2.00	0.00	-
1130/2	Cracking (RC and Other)	each	1.00	1.00	0.00	0.00	0.00	-

ELEMENT CONDITION STATE DATA FOR SPAN 3

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
234/2	Re Conc Pier Cap	ft	37.00	27.00	0.00	10.00	0.00	NOTE: PEDESTAL 3, SOUTH FACE HAS BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 40) EFFLORESCENCE/RUST STAINING (1120): CS3: (8 LF) NORTH FACE, WEST OVERHANG, EXHIBITS A 1-FOOT LONG HAIRLINE VERTICAL CRACK WITH CORROSION STAINING (1 LF) AND A 1-FOOT LONG DIAGONAL HAIRLINE CRACK WITH CORROSION (1 LF). SOUTH FACE, WEST OVERHANG, EXHIBITS A 1-FOOT LONG HAIRLINE VERTICAL CRACK WITH CORROSION STAINING (1 LF). SOUTH FACE, BAY 2 EXHIBITS A HAIRLINE VERTICAL CRACK WITH CORROSION STAINING (1 LF). SOUTH FACE, BAY 4, EXHIBITS A 2FT L x 1/16IN W HORIZONTAL CRACK WITH CORROSION STAINING (2 LF). UNDERSIDE, EAST OVERHANG, EXHIBITS A 1-FOOT LONG HAIRLINE LONGITUDINAL CRACK WITH CORROSION STAINING (1 LF), AND THE EAST FACE 2-FOOT HIGH HAIRLINE VERTICAL CRACK WITH CORROSION STAINING (1 LF). DELAMINATION/SPALL (1080): CS3: (2 LF) PEDESTAL 3, SPAN 3 BEARING, NORTH FACE, EXHIBITS A 1FT-6IN W x FULL-HEIGHT x 3IN D SPALL/FRACTURE. THE FRACTURED CONCRETE IS STILL IN PLACE WITH NO MEASURABLE BEARING LOSS (PHOTO 39), (IF FRACTURED CONCRETE WERE TO COME OUT, BEARING LOSS WOULD OCCUR). CRACKING (1130): CS1: (10 LF) THE PIER CAP EXHIBITS UP TO 1/16-INCH W VERTICAL AND HORIZONTAL CRACKS RANDOMLY THROUGHOUT (APPROX. 25% OF TOTAL LENGTH).
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00	-
1120/2	Efflorescence/Rust Staining	ft	8.00	0.00	0.00	8.00	0.00	-
1130/2	Cracking (RC and Other)	ft	10.00	10.00	0.00	0.00	0.00	-
300/2	Strip Seal Exp Joint	ft	36.00	0.00	0.00	36.00	0.00	NOTE: STRIP SEAL JOINT WAS REPLACED IN 2023 DEBRIS IMPACTION (2350): CS3: (36 SF) THE STRIP SEAL JOINT EXHIBITS HARD PACKED DEBRIS FOR THE FULL LENGTH THAT COULD AFFECT MOVEMENT (PHOTO 10).
2350/2	Debris Impaction	ft	36.00	0.00	0.00	36.00	0.00	-
311/2	Moveable Bearing	each	5.00	0.00	5.00	0.00	0.00	NOTE: BEARINGS AT PIER 3 ARE MISSING ANCHOR BOLTS WITH KEEPER ANGLES INSTALLED AT THE FOLLOWING LOCATIONS: - BEARING 1, WEST ANCHOR BOLT - BEARING 2, WEST AND EAST ANCHOR BOLTS - BEARING 3, WEST ANCHOR BOLT - BEARING 4, WEST AND EAST ANCHOR BOLTS - BEARING 5, WEST ANCHOR BOLT (PHOTO 29) CORROSION (1000): CS2: (5 EA) BEARINGS TYPICALLY EXHIBIT MINOR SURFACE CORROSION ON THE EDGES OF THE MASONRY PLATES. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00	EFFECTIVENESS (3440): CS3: (30 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF MINOR CORROSION.
1000/2	Corrosion	each	5.00	0.00	5.00	0.00	0.00	-

ELEMENT CONDITION STATE DATA FOR SPAN 3

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
313/2	Fixed Bearing	each	5.00	3.00	1.00	1.00	0.00	CORROSION (1000): CS3: (1 EA) BEARING 5 EXHIBITS LAMINAR CORROSION ON THE EDGES OF THE MASONRY PLATES WHERE NOT FULLY GREASED. CS2: (1 EA) BEARING 1 EXHIBITS MINOR SURFACE CORROSION ON THE EDGES OF THE MASONRY PLATES WHERE NOT FULLY GREASED.
515/2	Steel Protective Coating	sq.ft	30.00	18.00	0.00	6.00	6.00	EFFECTIVENESS (3440): CS4: (6 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF LAMINAR CORROSION. CS3: (6 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF MINOR TO MODERATE CORROSION WHERE NOT GREASED.
1000/2	Corrosion	each	5.00	3.00	1.00	1.00	0.00	–
330/2	Metal Bridge Railing	ft	72.00	72.00	0.00	0.00	0.00	NOTE: ALL MISSING/CRACKED OR SHEARED BOLTS HAVE BEEN REPAIRED SINCE LAST INSPECTED CS1: (72 LF) NDN.
331/2	Re Conc Bridge Railing	ft	72.00	66.00	5.00	1.00	0.00	NOTE: THE CONCRETE RAILS WERE PAINTED IN 2023 DELAMINATION/SPALL (1080): CS3: (1 LF) EAST INTERIOR RAIL BETWEEN POSTS 1 AND 2, EXHIBITS A 1FT L x 3IN W x 1IN D PAINTED OVER SPALL. CRACKING (1130): CS2: (5 LF) WEST RAIL, TOP FACE, BETWEEN POSTS 1 AND 2, EXHIBITS A FULL-LENGTH x 1/8IN W LONGITUDINAL CRACK WITH PAINTED OVER, MINOR EDGE SPALLING. (NC-24)
521/2	Conc Prot Coating	sq.ft	504.00	504.00	0.00	0.00	0.00	CS1 (504 SF) NDN. (NC-24)
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00	–
1130/2	Cracking (RC and Other)	ft	5.00	0.00	5.00	0.00	0.00	–
881/2	Steel Diap	(EA)	23.00	8.00	15.00	0.00	0.00	NOTE: THE DIAPHRAGMS WERE PAINTED OVER AT BOTH PIERS IN 2023 (PHOTO 27). CORROSION CS2: (15 EA) INTERIOR DIAPHRAGMS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION. (NC-24)
515/2	Steel Protective Coating	sq.ft	828.00	288.00	0.00	540.00	0.00	EFFECTIVENESS (3440): CS3: (540 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF FRECKLED CORROSION. (NC-24)
1000/2	Corrosion	(EA)	23.00	8.00	15.00	0.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 4

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
107/2	Steel Opn Girder/Beam	ft	390.00	137.00	100.00	153.00	0.00	NOTES: GIRDER ENDS WERE PAINTED IN 2024. SPAN 4, GIRDER 4, BAY 4, AT DIAPHRAGM 3, WEB STIFFENER TO TOP FLANGE WELD EXHIBITS TWO (2) VOIDS IN THE WELD. GIRDER ENDS WERE PAINTED OVER AT BOTH PIERS IN 2023. CORROSION (1000): CS3: (153 LF) GIRDERS EXHIBIT RANDOM AREAS OF MODERATE SURFACE CORROSION ALONG THE TOP FLANGES AT SOFFIT INTERFACE AND RANDOM AREAS OF THE LOWER FLANGE (PHOTO 24), (30 LF EA = 150 LF). BAY 2, GIRDER 2 AT DIAPHRAGM 2, AND BAY 4, GIRDER 4 AT DIAPHRAGM 2 EXHIBIT CRACKED PAINT WITH MODERATE CORROSION IN THE WEB STIFFENER, THE PAINT WAS REMOVED AND NO CRACKS WERE FOUND (1 LF EA = 2 LF), (PHOTO 25). GIRDER 5 OVER THE RIGHT LANE EXHIBITS A 1/8-INCH DEEP IMPACT GOUGE ALONG THE LOWER FLANGE AND A 5-INCH LONG SUPERFICIAL SCRAPE ON THE UNDERSIDE OF THE LOWER FLANGE (1 LF), (PHOTO 23). CS2: (100 LF) GIRDERS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION THROUGHOUT (20 LF EA). DAMAGE (7000): CS3: (1 LF) GIRDER 5 EXHIBITS IMPACT DAMAGE, SEE CS3 CORROSION DEFECT ABOVE.
515/2	Steel Protective Coating	sq.ft	3,570.00	1,254.00	0.00	915.00	1,401.00	EFFECTIVENESS (3440): CS4: (1401 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE AT AREAS OF MODERATE CORROSION. CS3: (915 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF MINOR CORROSION.
1000/2	Corrosion	ft	253.00	1.00	100.00	152.00	0.00	–
7000/2	Damage	ft	1.00	0.00	0.00	1.00	0.00	–
205/2	Re Conc Column	each	3.00	0.00	0.00	3.00	0.00	NOTE: THE COLUMNS TYPICALLY EXHIBIT UP TO 4FT L x 1/16IN W VERTICAL CRACKS RANDOMLY THROUGHOUT. EFFLORESCENCE/RUST STAINING (1120): CS3: (3 EA) COLUMN 1, SOUTHWEST FACE AT THE BOTTOM, EXHIBITS A 2FT L x 1/16IN W VERTICAL CRACK WITH CORROSION STAINING (1 EA). COLUMN 2, NORTH FACE, AT THE BOTTOM, EXHIBITS A 1FT L x HAIRLINE VERTICAL CRACK WITH CORROSION STAINING (1 EA). COLUMN 3, WEST FACE AND SOUTHWEST FACE EXHIBITS HAIRLINE VERTICAL CRACKS WITH CORROSION STAINS (1 EA).
1120/2	Efflorescence/Rust Staining	each	3.00	0.00	0.00	3.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 4

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
234/2	Re Conc Pier Cap	ft	37.00	24.00	6.00	7.00	0.00	NOTE: PIER UNDERSIDE IN BAY 2 ALONG THE SOUTH EDGE HAS BEEN REPAIRED SINCE LAST INSPECTED. PEDESTAL 4, SPAN 5, SOUTH FACE HAS BEEN REPAIRED SINCE LAST INSPECTED (PHOTO 41). NORTH FACE BAY 3 AT THE TOP HAS BEEN REPAIRED SINCE LAST INSPECTED. EFFLORESCENCE/RUST STAINING (1120): CS3: (6 LF) SOUTH FACE, EAST OVERHANG, EXHIBITS TWO (2) 1FT L x HAIRLINE VERTICAL CRACKS WITH CORROSION STAINING (2 LF), (PHOTO 42). SOUTH FACE, WEST OVERHANG, EXHIBITS TWO (2) 1FT L x HAIRLINE VERTICAL CRACKS WITH CORROSION STAINING (2 LF). UNDERSIDE, EAST OVERHANG, EXHIBITS A 2FT L x HAIRLINE LONGITUDINAL CRACK WITH CORROSION STAINING (2 LF). DELAMINATION/SPALL (1080): CS3: (1 LF) PEDESTAL 5, SPAN 5, SOUTH FACE, EXHIBITS A FULL-HEIGHT x 5IN W x 1 1/4IN D CORNER SPALL (FAILED REPAIR) WITH EXPOSED CORRODED STEEL REINFORCEMENT, THAT IS UNDERMINING THE SOUTHEAST CORNER OF THE BEARING MASONRY PLATE UP TO 1-INCH BACK IN A 7-INCH LONG AREA (1 LF), (PHOTO 32). CS2: (6 LF) NORTH FACE, ABOVE COLUMN 1, EXHIBITS A 2FT L x 1FT H DELAMINATION (2 LF). PEDESTAL 3, EAST FACE, EXHIBITS 2FT L x 1FT-1IN W DELAMINATION WITH 1/16-INCH W CRACKING THROUGHOUT (2 LF). UNDERSIDE, JUST EAST OF COLUMN 1, EXHIBITS A 1-FOOT DIAMETER DELAMINATION (1 LF). PEDESTAL 5, SPAN 4, WEST FACE EXHIBITS A 1FT L x 4IN W DELAMINATION (1 LF). CRACKING (1130): CS1: (16 LF) THE PIER CAP EXHIBITS UP TO 1/16-INCH W VERTICAL AND HORIZONTAL CRACKS RANDOMLY THROUGHOUT.
1080/2	Delamination/Spall/Patched Area	ft	7.00	0.00	6.00	1.00	0.00	–
1120/2	Efflorescence/Rust Staining	ft	6.00	0.00	0.00	6.00	0.00	–
1130/2	Cracking (RC and Other)	ft	16.00	16.00	0.00	0.00	0.00	–
300/2	Strip Seal Exp Joint	ft	36.00	18.00	18.00	0.00	0.00	NOTE: STRIP SEAL JOINT WAS REPLACED IN 2023 DEBRIS IMPACTION (2350): CS2: (18 SF) THE STRIP SEAL JOINT EXHIBITS HARD PACKED DEBRIS IN THE SHOULDERS THAT DOES NOT AFFECT MOVEMENT.
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00	–
311/2	Moveable Bearing	each	5.00	0.00	4.00	1.00	0.00	CORROSION (1000): CS3: (1 EA) SPAN 5, BEARING 1, SOUTH SIDE MASONRY PLATE EXHIBITS LAMINAR CORROSION WITH 1/16-INCH THICK SECTION LOSS (1 EA). CS2: (4 EA) BEARINGS 2 - 4 TYPICALLY EXHIBIT MINOR SURFACE CORROSION ON THE EDGES OF THE MASONRY PLATES WHERE NOT FULLY GREASED (4 EA, 1 EA ACCOUNTED FOR IN CS2 LOSS OF BEARING). LOSS OF BEARING AREA (2240): CS2: (1 EA) BEARING PEDESTAL 5, SPAN 5, SOUTH FACE, EXHIBITS A FULL-HEIGHT x 5IN W x 1 1/4IN D CORNER SPALL THAT IS UNDERMINING THE SOUTHEAST CORNER OF THE MASONRY PLATE UP TO 1-INCH BACK IN A 7-INCH LONG AREA (1 EA), (PHOTO 32).

ELEMENT CONDITION STATE DATA FOR SPAN 4

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00	EFFECTIVENESS (3440): CS4: (6 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF LAMINAR CORROSION WITH SECTION LOSS. CS3: (24 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS IN AREAS OF CORROSION WHERE GREASE WAS NOT FULLY APPLIED.
1000/2	Corrosion	each	4.00	0.00	3.00	1.00	0.00	–
2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00	–
313/2	Fixed Bearing	each	5.00	0.00	4.00	1.00	0.00	CORROSION (1000): CS3: (1 EA) BEARING 4 EXHIBITS LAMINAR CORROSION ALONG THE MASONRY PLATE WHERE NOT GREASED (PHOTO 30). CS2: (4 EA) BEARINGS 1, 2, 3 AND 5 TYPICALLY EXHIBIT MINOR SURFACE CORROSION ON THE EDGES OF THE MASONRY PLATES.
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00	EFFECTIVENESS (3440): CS4: (6 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF LAMINAR CORROSION. CS3: (24 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF MINOR TO MODERATE CORROSION WHERE GREASE WAS NOT APPLIED.
1000/2	Corrosion	each	5.00	0.00	4.00	1.00	0.00	–
330/2	Metal Bridge Railing	ft	156.00	152.00	2.00	2.00	0.00	NOTE: SEVERAL MISSING/CRACKED/LOOSE OR SHEARED BOLTS HAVE BEEN REPAIRED SINCE LAST INSPECTED. THE PREVIOUSLY REPORTED PUNCTURE HOLE ON THE TOP RAIL BETWEEN POST 7 AND 8 HAS BEEN REPAIRED. CONNECTION (1020): CS3: (2 LF) THE WEST METAL RAIL EXHIBITS TWO (2) SHEARED ANCHOR BOLTS AND TWO (2) MISSING ANCHOR BOLT NUTS (PHOTO 13). CS2: (2 LF) THE WEST METAL RAIL EXHIBITS TWO (2) LOOSE ANCHOR BOLT NUTS. (NC-24)
1020/2	Connection	ft	4.00	0.00	2.00	2.00	0.00	–
331/2	Re Conc Bridge Railing	ft	156.00	156.00	0.00	0.00	0.00	NOTE: THE CONCRETE RAILS WERE PAINTED IN 2023 CS1: (156 LF) NDN. (NC-24)
521/2	Conc Prot Coating	sq.ft	1,092.00	1,092.00	0.00	0.00	0.00	CS1 (1092 SF) NDN. (NC-24)
881/2	Steel Diap	(EA)	30.00	8.00	21.00	1.00	0.00	NOTE: DIAPHRAGMS AT THE PIERS WERE PAINTED IN 2023. CRACKING: CS3 (1 EA) DIAPHRAGM 1 IN BAY 4 AT GIRDER 5 EXHIBITS A 1 7/8-INCH LONG VERTICAL CRACK IN THE EAST WEB STIFFENER TO DIAPHRAGM WELD (PHOTO 26). CORROSION (1000) CS2: (21 EA) INTERIOR DIAPHRAGMS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION.
515/2	Steel Protective Coating	sq.ft	1,080.00	324.00	0.00	756.00	0.00	EFFECTIVENESS (3440): CS3: (756 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF FRECKLED CORROSION.
1000/2	Corrosion	(EA)	21.00	0.00	21.00	0.00	0.00	–
1010/2	Cracking	(EA)	1.00	0.00	0.00	1.00	0.00	–

ELEMENT CONDITION STATE DATA FOR SPAN 5

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
107/2	Steel Opn Girder/Beam	ft	180.00	57.00	100.00	23.00	0.00	NOTE: GIRDER ENDS OVER THE ABUTMENT WERE PAINTED IN 2023 CORROSION (1000): CS3: (23 LF) SPAN 1, GIRDER 1, WEST INTERIOR TOP FLANGE ADJACENT TO SOFFIT, BETWEEN INTERIOR DIAPHRAGM 2 AND PIER 4 EXHIBITS MODERATE CORROSION WITH NEGLIGIBLE SECTION LOSS WHERE THE SOFFIT HAUNCH IS SPALLED (10 LF). SPAN 5, GIRDER 3, WEST INTERIOR TOP FLANGE AT PIER 4 EXHIBITS MODERATE CORROSION WITH NEGLIGIBLE SECTION LOSS WHERE THE SOFFIT HAUNCH IS SPALLED (3 LF). SPAN 5, GIRDER 5, TOP WEST FLANGE BETWEEN INTERIOR DIAPHRAGM 3 AND PIER 4, EXHIBITS CORROSION WITH NEGLIGIBLE SECTION LOSS WHERE THE SOFFIT HAUNCH IS SPALLED (10 LF). CS2: (100 LF) GIRDERS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION THROUGHOUT (20 LF EA).
515/2	Steel Protective Coating	sq.ft	1,590.00	504.00	0.00	883.00	203.00	EFFECTIVENESS (3440): CS4: (203 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE AT AREAS OF CORROSION WITH SECTION LOSS. CS3: (883 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF MINOR CORROSION.
1000/2	Corrosion	ft	123.00	0.00	100.00	23.00	0.00	–
215/2	Re Conc Abutment	ft	40.00	31.00	0.00	9.00	0.00	EFFLORESCENCE/RUST STAINING (1120): CS3: (9 LF) NORTH ABUTMENT, PEDESTALS 1, 2, 3, AND 5 EACH EXHIBIT A 1FT L x HAIRLINE VERTICAL OR HORIZONTAL CRACK WITH CORROSION STAINING (PHOTO 34), (4 LF). NORTH ABUTMENT STEM UNDER BAY 2 EXHIBITS A FULL BAY WIDTH x 1/16-INCH WIDE CRACK WITH CORROSION (5 LF). CRACKING (1130): CS1: (31 LF) THE NORTH ABUTMENT BACKWALL AND STEM EXHIBIT AREAS OF HAIRLINE MAP CRACKS RANDOMLY THROUGHOUT. (NC-24)
1120/2	Efflorescence/Rust Staining	ft	9.00	0.00	0.00	9.00	0.00	–
1130/2	Cracking (RC and Other)	ft	31.00	31.00	0.00	0.00	0.00	–
311/2	Moveable Bearing	each	5.00	2.00	0.00	3.00	0.00	NOTES: THE MOVEABLE BEARINGS ARE LOCATED AT PIER 4. BEARING 5 HAS A KEEPER ANGLE INSTALLED. CORROSION (1000): CS3: (3 EA) BEARINGS 1, 4 AND 5 EXHIBIT LAMINAR CORROSION WITH 1/16-INCH THICK SECTION LOSS TO THE SOLE AND MASONRY PLATES ON THE WEST AND SOUTH SIDES (PHOTO 31).
515/2	Steel Protective Coating	sq.ft	30.00	12.00	0.00	0.00	18.00	EFFECTIVENESS (3440): CS4: (18 SF) THE STEEL PROTECTIVE COATING HAS FAILED AND IS NO LONGER EFFECTIVE IN AREAS OF CORROSION WITH SECTION LOSS WHERE GREASE WAS NOT FULLY APPLIED.
1000/2	Corrosion	each	3.00	0.00	0.00	3.00	0.00	–
313/2	Fixed Bearing	each	5.00	5.00	0.00	0.00	0.00	NOTE: THE FIXED BEARINGS ARE LOCATED AT NORTH ABUTMENT AND ARE HEAVILY GREASED.. CS1: (5 EA) NDN. (NC-24)
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00	CS1: (30 SF) NDN. (NC-24)

ELEMENT CONDITION STATE DATA FOR SPAN 5

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
330/2	Metal Bridge Railing	ft	76.00	76.00	0.00	0.00	0.00	NOTES: THE PUNCTURE HOLE NOTED IN THE PREVIOUS REPORT, AND ALL MISSING/CRACKED OR SHEARED BOLTS HAVE BEEN REPAIRED IN 2023. CS1: (76 LF) NDN. (NC-24)
331/2	Re Conc Bridge Railing	ft	92.00	83.00	0.00	9.00	0.00	DELAMINATION/SPALL (1080): CS3: (9 LF) EAST RAIL, 2ND SECTION FROM THE NORTH EXHIBITS A 1FT L x 3IN H x 1IN D PAINTED OVER SPALL NEAR THE BASE (1 LF). WEST RAIL, 2ND SECTION FROM THE NORTH AT THE BASE, EXHIBITS AN 8FT L x 4IN H x 1/4IN D AREA OF PAINTED OVER SPALLS (8 LF), (PHOTO 15).
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00	CS1 (644 SF) NDN. (NC-24)
1080/2	Delamination/Spall/Patched Area	ft	9.00	0.00	0.00	9.00	0.00	–
825/2	R/C Abutment Backwall	ft	40.00	36.00	3.00	1.00	0.00	DELAMINATION/SPALL (1080): CS3: (1 LF) NORTH ABUTMENT BACKWALL BEHIND GIRDER 5 EXHIBITS A 10IN W x 5IN H x 1/4IN D SPALL. EFFLORESCENCE/RUST STAINING (1120): CS2: (3 LF) BACKWALL, BAY 1, EXHIBITS A 1FT L x 1/16IN W VERTICAL CRACK WITH MODERATE EFFLORESCENCE (1 LF). BACKWALL, BAY 4, EXHIBITS TWO (2) UP TO FULL-HEIGHT x 1/16IN W VERTICAL CRACKS WITH MODERATE EFFLORESCENCE (2 LF). CRACKING (1130): CS1: (36 LF) THE NORTH ABUTMENT BACKWALL EXHIBITS AREAS OF HAIRLINE MAP CRACKS RANDOMLY THROUGHOUT. (NC-24)
881/2	Steel Diap	(EA)	17.00	8.00	9.00	0.00	0.00	NOTE: DIAPHRAGMS AT THE ABUTMENT AND PIER WERE PAINTED IN 2023 CORROSION (1000): CS2: (9 EA) INTERIOR DIAPHRAGMS EXHIBIT RANDOM AREAS OF MINOR FRECKLED CORROSION. (NC-24)
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00	EFFECTIVENESS (3440): CS3: (324 SF) THE STEEL PROTECTIVE COATING EXHIBITS LIMITED EFFECTIVENESS AT AREAS OF FRECKLED CORROSION. (NC-24)
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00	–
890/2	RC Wingwalls	(LF)	24.00	24.00	0.00	0.00	0.00	NOTE: THE EAST AND WEST WINGWALLS EXHIBIT HEAVY VEGETATION OVERGROWTH. CS1: (24 LF) NDN. (NC-24)
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00	–
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	3.00	0.00	0.00	–
1130/2	Cracking (RC and Other)	ft	36.00	36.00	0.00	0.00	0.00	–

ELEMENT CONDITION STATE DATA SUMMARY

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4
12/2	Re Concrete Deck	sq.ft	10,700.00	10,628.00	25.00	47.00	0.00
510/2	Wearing Surfaces	sq.ft	10,700.00	10,637.00	63.00	0.00	0.00
510/2	Wearing Surfaces	sq.ft	10,700.00	10,637.00	63.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	1.00	1.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	1.00	1.00	0.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	sq.ft	45.00	0.00	8.00	37.00	0.00
1080/2	Delamination/Spall/Patched Area	sq.ft	45.00	0.00	8.00	37.00	0.00
1090/2	Exposed Rebar	sq.ft	2.00	0.00	0.00	2.00	0.00
1090/2	Exposed Rebar	sq.ft	2.00	0.00	0.00	2.00	0.00
1120/2	Efflorescence/Rust Staining	sq.ft	25.00	0.00	17.00	8.00	0.00
1120/2	Efflorescence/Rust Staining	sq.ft	25.00	0.00	17.00	8.00	0.00
107/2	Steel Opn Girder/Beam	ft	1,370.00	600.00	369.00	401.00	0.00
515/2	Steel Protective Coating	sq.ft	1,590.00	504.00	0.00	883.00	203.00
515/2	Steel Protective Coating	sq.ft	1,590.00	504.00	0.00	883.00	203.00
515/2	Steel Protective Coating	sq.ft	2,151.00	1,010.00	0.00	439.00	702.00
515/2	Steel Protective Coating	sq.ft	2,151.00	1,010.00	0.00	439.00	702.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,254.00	0.00	915.00	1,401.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,254.00	0.00	915.00	1,401.00
515/2	Steel Protective Coating	sq.ft	1,498.00	1,180.00	0.00	136.00	182.00
515/2	Steel Protective Coating	sq.ft	1,498.00	1,180.00	0.00	136.00	182.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,474.00	0.00	952.00	1,144.00
515/2	Steel Protective Coating	sq.ft	3,570.00	1,474.00	0.00	952.00	1,144.00
1000/2	Corrosion	ft	229.00	0.00	104.00	125.00	0.00
1000/2	Corrosion	ft	229.00	0.00	104.00	125.00	0.00
1000/2	Corrosion	ft	130.00	0.00	50.00	80.00	0.00
1000/2	Corrosion	ft	130.00	0.00	50.00	80.00	0.00
1000/2	Corrosion	ft	123.00	0.00	100.00	23.00	0.00
1000/2	Corrosion	ft	123.00	0.00	100.00	23.00	0.00
1000/2	Corrosion	ft	35.00	0.00	15.00	20.00	0.00
1000/2	Corrosion	ft	35.00	0.00	15.00	20.00	0.00
1000/2	Corrosion	ft	253.00	1.00	100.00	152.00	0.00
1000/2	Corrosion	ft	253.00	1.00	100.00	152.00	0.00
7000/2	Damage	ft	1.00	0.00	0.00	1.00	0.00
7000/2	Damage	ft	1.00	0.00	0.00	1.00	0.00
7000/2	Damage	ft	4.00	0.00	4.00	0.00	0.00
7000/2	Damage	ft	4.00	0.00	4.00	0.00	0.00
205/2	Re Conc Column	each	12.00	5.00	2.00	5.00	0.00
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	each	1.00	0.00	1.00	0.00	0.00
1120/2	Efflorescence/Rust Staining	each	2.00	0.00	0.00	2.00	0.00
1120/2	Efflorescence/Rust Staining	each	2.00	0.00	0.00	2.00	0.00
1120/2	Efflorescence/Rust Staining	each	3.00	0.00	0.00	3.00	0.00
1120/2	Efflorescence/Rust Staining	each	3.00	0.00	0.00	3.00	0.00
1130/2	Cracking (RC and Other)	each	1.00	1.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	each	1.00	1.00	0.00	0.00	0.00
215/2	Re Conc Abutment	ft	80.00	70.00	0.00	10.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1120/2	Efflorescence/Rust Staining	ft	9.00	0.00	0.00	9.00	0.00
1120/2	Efflorescence/Rust Staining	ft	9.00	0.00	0.00	9.00	0.00
1130/2	Cracking (RC and Other)	ft	31.00	31.00	0.00	0.00	0.00

1130/2	Cracking (RC and Other)	ft	31.00	31.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	39.00	39.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	39.00	39.00	0.00	0.00	0.00
234/2	Re Conc Pier Cap	ft	148.00	102.00	23.00	23.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	6.00	0.00	6.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	6.00	0.00	6.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	10.00	0.00	10.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	10.00	0.00	10.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	7.00	0.00	6.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	7.00	0.00	6.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00
1120/2	Efflorescence/Rust Staining	ft	6.00	0.00	0.00	6.00	0.00
1120/2	Efflorescence/Rust Staining	ft	6.00	0.00	0.00	6.00	0.00
1120/2	Efflorescence/Rust Staining	ft	8.00	0.00	0.00	8.00	0.00
1120/2	Efflorescence/Rust Staining	ft	8.00	0.00	0.00	8.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	0.00	3.00	0.00
1130/2	Cracking (RC and Other)	ft	25.00	24.00	1.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	25.00	24.00	1.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	10.00	10.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	10.00	10.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	14.00	14.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	14.00	14.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	16.00	16.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	16.00	16.00	0.00	0.00	0.00
300/2	Strip Seal Exp Joint	ft	144.00	62.00	46.00	36.00	0.00
2350/2	Debris Impaction	ft	36.00	0.00	0.00	36.00	0.00
2350/2	Debris Impaction	ft	36.00	0.00	0.00	36.00	0.00
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00
2350/2	Debris Impaction	ft	10.00	0.00	10.00	0.00	0.00
2350/2	Debris Impaction	ft	10.00	0.00	10.00	0.00	0.00
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00
2350/2	Debris Impaction	ft	18.00	0.00	18.00	0.00	0.00
311/2	Moveable Bearing	each	25.00	7.00	14.00	4.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	30.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	12.00	0.00	0.00	18.00
515/2	Steel Protective Coating	sq.ft	30.00	12.00	0.00	0.00	18.00
1000/2	Corrosion	each	4.00	0.00	3.00	1.00	0.00
1000/2	Corrosion	each	4.00	0.00	3.00	1.00	0.00
1000/2	Corrosion	each	4.00	0.00	4.00	0.00	0.00
1000/2	Corrosion	each	4.00	0.00	4.00	0.00	0.00
1000/2	Corrosion	each	3.00	0.00	0.00	3.00	0.00
1000/2	Corrosion	each	3.00	0.00	0.00	3.00	0.00
1000/2	Corrosion	each	5.00	0.00	5.00	0.00	0.00
1000/2	Corrosion	each	5.00	0.00	5.00	0.00	0.00

2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00
2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00
2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00
2240/2	Loss of Bearing Area	each	1.00	0.00	1.00	0.00	0.00
313/2	Fixed Bearing	each	25.00	18.00	5.00	2.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	0.00	0.00	24.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	18.00	0.00	6.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	18.00	0.00	6.00	6.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	30.00	30.00	0.00	0.00	0.00
1000/2	Corrosion	each	5.00	3.00	1.00	1.00	0.00
1000/2	Corrosion	each	5.00	3.00	1.00	1.00	0.00
1000/2	Corrosion	each	5.00	0.00	4.00	1.00	0.00
1000/2	Corrosion	each	5.00	0.00	4.00	1.00	0.00
330/2	Metal Bridge Railing	ft	532.00	525.00	5.00	2.00	0.00
1020/2	Connection	ft	4.00	0.00	2.00	2.00	0.00
1020/2	Connection	ft	4.00	0.00	2.00	2.00	0.00
1020/2	Connection	ft	1.00	0.00	1.00	0.00	0.00
1020/2	Connection	ft	1.00	0.00	1.00	0.00	0.00
1900/2	Distortion	ft	2.00	0.00	2.00	0.00	0.00
1900/2	Distortion	ft	2.00	0.00	2.00	0.00	0.00
7000/2	Damage	ft	2.00	0.00	2.00	0.00	0.00
7000/2	Damage	ft	2.00	0.00	2.00	0.00	0.00
331/2	Re Conc Bridge Railing	ft	566.00	538.00	15.00	13.00	0.00
521/2	Conc Prot Coating	sq.ft	1,078.00	1,075.00	0.00	0.00	3.00
521/2	Conc Prot Coating	sq.ft	1,078.00	1,075.00	0.00	0.00	3.00
521/2	Conc Prot Coating	sq.ft	1,092.00	1,092.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	1,092.00	1,092.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	504.00	504.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	504.00	504.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
521/2	Conc Prot Coating	sq.ft	644.00	644.00	0.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	9.00	0.00	0.00	9.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	9.00	0.00	0.00	9.00	0.00
1090/2	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00
1090/2	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00
1130/2	Cracking (RC and Other)	ft	10.00	0.00	10.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	10.00	0.00	10.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	5.00	0.00	5.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	5.00	0.00	5.00	0.00	0.00
825/2	R/C Abutment Backwall	ft	80.00	74.00	3.00	3.00	0.00
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
881/2	Steel Diap	(EA)	118.00	40.00	77.00	1.00	0.00
515/2	Steel Protective Coating	sq.ft	1,080.00	324.00	0.00	756.00	0.00
515/2	Steel Protective Coating	sq.ft	1,080.00	324.00	0.00	756.00	0.00
515/2	Steel Protective Coating	sq.ft	828.00	288.00	0.00	540.00	0.00

515/2	Steel Protective Coating	sq.ft	828.00	288.00	0.00	540.00	0.00
515/2	Steel Protective Coating	sq.ft	1,116.00	288.00	0.00	828.00	0.00
515/2	Steel Protective Coating	sq.ft	1,116.00	288.00	0.00	828.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
515/2	Steel Protective Coating	sq.ft	612.00	288.00	0.00	324.00	0.00
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00
1000/2	Corrosion	(EA)	9.00	0.00	9.00	0.00	0.00
1000/2	Corrosion	(EA)	23.00	0.00	23.00	0.00	0.00
1000/2	Corrosion	(EA)	23.00	0.00	23.00	0.00	0.00
1000/2	Corrosion	(EA)	21.00	0.00	21.00	0.00	0.00
1000/2	Corrosion	(EA)	21.00	0.00	21.00	0.00	0.00
1000/2	Corrosion	(EA)	23.00	8.00	15.00	0.00	0.00
1000/2	Corrosion	(EA)	23.00	8.00	15.00	0.00	0.00
1010/2	Cracking	(EA)	1.00	0.00	0.00	1.00	0.00
1010/2	Cracking	(EA)	1.00	0.00	0.00	1.00	0.00
890/2	RC Wingwalls	(LF)	48.00	48.00	0.00	0.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	2.00	0.00	0.00	2.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1080/2	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	3.00	0.00	0.00
1120/2	Efflorescence/Rust Staining	ft	3.00	0.00	3.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	36.00	36.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	36.00	36.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	38.00	38.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	38.00	38.00	0.00	0.00	0.00



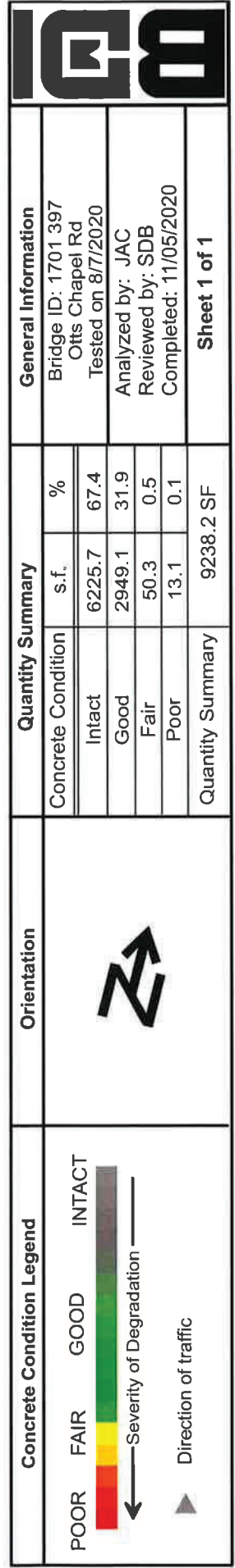
DELAWARE
DEPARTMENT OF TRANSPORTATION

JOINT MEASUREMENT SHEET

BRIDGE: 1-701 379

Date:	11/14/23	8/15/24							
Inspectors:	JM/JR	GWB/ATA							
Location:	PIER 1	PIER 1							
Temp (°F):	48	80							
Left Gap ("):	1 5/8	1 1/2							
Right Gap ("):	1 3/4	1 3/4							
Comments:	New Strip Seal joints in 2023								
Location:	PIER 2	PIER 2							
Temp (°F):	48	80							
Left Gap ("):	1 1/2	1 1/2							
Right Gap ("):	1 5/8	1 1/2							
Comments:									
Location:	PIER 3	PIER 3							
Temp (°F):	48	80							
Left Gap ("):	2 1/8	1 3/4							
Right Gap ("):	2	1 1/2							
Comments:									
Location:	PIER 4	PIER 4							
Temp (°F):	48	80							
Left Gap ("):	1 5/8	1 1/2							
Right Gap ("):	1 5/8	1 1/2							
Comments:									
Location:									
Temp (°F):									
Left Gap ("):									
Right Gap ("):									
Comments:									

Note: Joints are measured at solid lines unless a comment states otherwise. Left and right is determined by looking from Span 1 and towards increasing roadway stationing.



**UNDER RECORD
For****Bridge No: 1701 397****One Route Under****IDENTIFICATION**

Bridge ID: 1701 397 2) District: Canal District 3) County: 03 New Castle
5) Inventory Route 4) Place Code: 54960
A) On/Under: One Route Under B) Highway Type: 1 Interstate H C) Service Lvl: 1 Mainline
D) Route No: 00095
6A) Feature Intersected: I 95, DELAWARE TURNPIKE 6B) Critical: *
Road/Route Name: I95 JFK MEMORIAL HWY
16) Latitude: 39° 38' 26" 17) Longitude: 075° 46' 45" 11) Mile Pnt: 0.478 mi

AGE AND SERVICE

19) Detour Length: 4.20 27) Year Built: 1962
28) No. of Lanes A) On Bridge: 6 B) Under Br. : 6
29) ADT: 68520 30) Year of ADT: 2023 109) % Truck ADT: 14

CLASSIFICATION

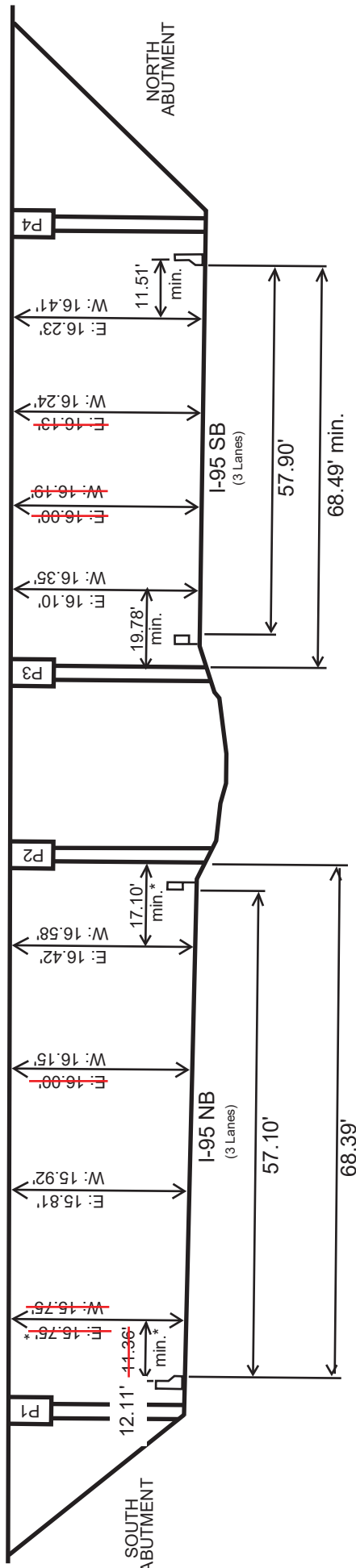
20) Toll Facility: 2 On toll road
26) Functional Class: 11 Urban Intersta 37) Historical: 5 Not eligible for NRHP 38) Defense Hwy: 1 On Interstate STRAH
102) Direction: 2 2-way traffic 103) Temp. Str.: [blank] Not temporary 104) Hwy System: 1 On the NHS
110) National Network: 1

GEOMETRIC DATA

10) Clearances - Vertical: 16.0
42) Type of Service A) On Bridge: 1 Highway B) Under Bridge: 1 Highway
43 A & B) Main Span Mtrl/Design: 3 Steel 02 Stringer/Girder
47) Inv. Route - Horiz. Clearance: 57.1
48) Maximum Span: 77.3 49) Structure Length: 279.3

E: 15.73' W: 15.73' E: 16.05' E: 15.96' W: 16.17' W: 16.07'

EAST ELEVATION



SI&A ITEMS:
Item 54 = ~~15.75'~~ 15.73'
Item 55 = ~~11.36'~~ 11.51'
Item 56 = 17.10'

* = measurement governs for bridge

GWB/MJS/ATA NO CHANGE 8/26/2024
GWB/NTD/JLC 9/27/2022

	DELAWARE DEPARTMENT OF TRANSPORTATION		UNDER RECORD SKETCH SHEET	BRIDGE: 1701397	INSPECTED BY: TS / JS	DATE: 8/10/20



1 SOUTH APPROACH, LOOKING NORTH



2 EAST ELEVATION, LOOKING WEST



3 GENERAL SUPERSTRUCTURE (SPAN 2), LOOKING NORTH



4 UNDER RECORD (SPAN 2 OVER I-95 NB), LOOKING EAST



5 UNDER RECORD (SPAN 2 OVER I-95 NB), LOOKING WEST



6 UNDER RECORD (SPAN 4 OVER I-95 SB), LOOKING EAST



7 UNDER RECORD (SPAN 4 OVER I 95 SB), LOOKING WEST



8 GENERAL VIEW OF WEARING SURFACE (SPAN 2), LOOKING NORTH



9 SPAN 1 WEARING SURFACE, SOUTH ABUTMENT, SOUTHBOUND LANE - REPAIRED (NOTICE SOUTHEAST APPROACH ROADWAY AT DECK REPAIRED)



10 SPAN 3 STRIP SEAL JOINT - FULL OF DEBRIS



11 SPAN 1, EAST METAL RAIL AT POST 5 - NEW ANCHOR BOLT NUTS



12 SPAN 2 WEST METAL RAIL, TOP HORIZONTAL RAIL - HOLE REPAIRED



13 SPAN 4, WEST METAL RAIL AT POST 4 - SHEARED ANCHOR BOLT AND MISSING NUT



14 SPAN 2, WEST CONCRETE RAIL BETWEEN POSTS 7 AND 8 - EXPOSED CORRODED STEEL REINFORCEMENT WITH SECTION LOSS



15 SPAN 5, WEST CONCRETE RAIL ALONG THE BASE - PAINTED OVER SPALLS



16 SPAN 3, PIER 3, BAY 2 - TYPICAL SOFFIT HAUNCH OVER PIER REPAIR



17 SOFFIT, SPAN 5 ADJACENT TO GIRDER 1 - REPAIRED



18 SOFFIT, SPAN 2, BAY 1 OVER THE LEFT LANE - SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT



19 SOFFIT, SPAN 2, BAY 1 AT PIER 1 - SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT



20 SOFFIT, SPAN 2, BAY 1 AT PIER 1 - SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT



21 SOFFIT, SPAN 2, BAY 4 SOUTH OF PIER 2 - SPALL WITH EXPOSED CORRODED STEEL REINFORCEMENT WITH SECTION LOSS



22 SOFFIT, SPAN 3, BAY 1 AT INTERIOR DIAPHRAGM 1 - CRACKS WITH CORROSION STAINS



23 SPAN 4, GIRDER 5 OVER RIGHT LANE - TRAFFIC IMPACT GOUGE AND SCRAPE



24 SPAN 4, GIRDER 4, BETWEEN DIAPHRAGMS 1 AND 2 - CORROSION WITH SECTION LOSS TO EAST BOTTOM FLANGE AND BOTTOM OF WEB



25 SPAN 4, BAY 4 AT GIRDER 4 WEB STIFFENER TO DIAPHRAGM 2 - CORROSION ALONG WELD
(NO CRACK FOUND)



26 SPAN 4, BAY 4, GIRDER 5 AT INTERIOR DIAPHRAGM 1 - EAST VERTICAL WELD CRACK AT
BOTTOM



27 SPAN 3, PIER 3, BAY 4 END DIAPHRAGM - TYPICAL PAINT



28 SPAN 2, PIER 2, BEARING 4 - COVERED IN GREASE (TYPICAL OF ALL)



29 PIER 3, SPAN 3, BEARING 5 - VIEW OF KEEPER PLATE AND MISSING ANCHOR BOLT



30 PIER 4, SPAN 4, BEARING 4 - LAMINAR CORROSION WITH SECTION LOSS ALONG THE MASONRY PLATE



31 PIER 4, SPAN 5, BEARING 1 - LAMINAR CORROSION WITH SECTION LOSS ALONG MASONRY PLATE



32 PIER 4, SPAN 5, BEARING PEDESTAL 5 SOUTH SIDE - FAILED REPAIR WITH BEARING LOSS



33 SOUTH ABUTMENT BACKWALL BEHIND GIRDER 1 - SPALL



34 NORTH ABUTMENT, EAST END AT BEARING 5 - CRACKS WITH CORROSION STAINS



35 SOUTH ABUTMENT, BEARING PEDESTAL 5 - PAINTED OVER SPALL BEHIND BEARING



36 PIER 1, PEDESTAL 1 NORTH FACE AND WEST END OF CAP - REPAIRED



37 PIER 1, NORTH FACE, WEST END BELOW BEARING 1 - CRACKS WITH CORROSION STAINS



38 PIER 1, SPAN 2, PEDESTAL 3, NORTHWEST CORNER CRACK AND NORTH FACE DELAMINATION



39 PIER 3, SPAN 3, PEDESTAL 3, NORTH FACE - SPALL / FRACTURE



40 PIER 3, SPAN 3, PEDESTAL 3, SOUTH FACE - REPAIRED



41 PIER 4, SPAN 5, PEDESTAL 4, SOUTH FACE - REPAIRED



42 SPAN 4, PIER 4, SOUTH FACE BELOW BEARING 5 - CRACKS WITH CORROSION STAINS



43 SPAN 1, PIER 1, COLUMN 2, WEST FACE - REPAIRED



44 SPAN 3, PIER 3, COLUMN 3, NORTH AND EAST FACE - CRACKS WITH CORROSION



45 SOUTHEAST APPROACH GUARDRAIL - TRAFFIC IMPACT DAMAGE

Bridge Maximo Maintenance History

WO Number	Reported Date	District	Area	Reported By	Changed By	Employee Name	Status	Wo Description	Priority	Function Code	FC Description	Unit of Measure	QA	Total Cost
147633	08/14/2006	NORTH			032182	Weber Jr, Calvin W	CAN	BR: 1-701 / Work: FY07 District Bridge Maint						\$0.00
279151	01/26/2009	NORTH	15	Weber Jr, Calvin W	107317	Pijor, Linda J	CLOSE	Bridge: 1-701 / Work:		11107.1	Bridge - Maintenance and Repair	Cube Yd	1	\$140.60
377560	07/19/2010	NORTH	48	Mortensen, Matthew J	084912	Garcia Jr, John M	CLOSE	BR: 1-701-397 / WORK: B025-P1A	2	11102.5	Bridge - B025-P1A - Concrete Deck (Repair)	Sq Yd	1	\$0.00
508487	08/02/2012	CANAL	45	Sobota, Darren J	040765	Barczak III, John Joseph	CAN	BR: 1701 397 / WORK: B007-S2J:	2	11100.7	Bridge - B007-S1H - Reseal Deck Joints (Liquid Only)	Feet		\$0.00
508491	08/02/2012	NORTH	45	Sobota, Darren J	M12339	VERMA, SUPREET	CLOSE	BR: 1701 397 / WORK: B025-P1A:	2	11102.5	Bridge - B025-P1A - Concrete Deck (Repair)	Sq Yd	0	\$0.00
804486	10/07/2016	CANAL	10	Gawthrop, Glenn Maxwell	M12339	VERMA, SUPREET	CLOSE	BR: 1-701-397 / WORK: B008-S1H	3	11100.8	Bridge - B008-S1H - Repair/ Reseal Deck Joints	Feet	0	\$0.00
872991	10/24/2017	CANAL	10	Stant, Pamela Walker	057351	Evans, Betty Lou	CLOSE	YARD SERIOUS PI CLOSING OTTS CHAPEL @ RT 4 & WELSH TRACT RD		11200.1	High Priority Road Condition	Hours	5	\$0.00
1238202	11/01/2022	CANAL	10	Mortensen, Matthew J	105809	Baker, Joseph Troy	CLOSE	BR: 1-701-397 / WORK: B055-V1A	3	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd	1	\$0.00