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Sufficiency Rating: 99.0 SD/FO: ND

IDENTIFICATION

Bridge ID: 1279W003

5) Inventory Route

A) On/Under: Route On Structure

D) Route No: 00273

6) Feature Intersected: CHRISTINA RIVER

7) Facility Carried: CHRISTIANA BYPASS

9) Location: W. OF NEW CASTLE AIRPORT

16) Latitude: 39° 39' 33"

98) Border Bridge Code: Not Applicable (P)

STRUCTURE TYPE AND MATERIALS

43 A & B) Main Span Mtrl/Design: 4 Steel Continuous 02 Stringer/Girder

44 A & B) Appr Span Mtrl/Design:

45) Main Spans: 3

108A) Wearing Surface: 1 Monolithic Concrete

Deck Sealing: Epoxy

Pier 1: 32

Pier 2: NA

Abut 1: 1

Abut 2: NA

NAVIGATION DATA

38) Navigation Control: Permit Not Required

111) Pier Protection: Not Applicable (P)

AGE AND SERVICE

19) Detour Length: 0.0 mi

28) No. of Lanes

29) ADT: 17839

42) Type of Service

106) Year Reconst.: NA

CLASSIFICATION

12) Base Hwy Network: 1

20) Toll Facility: 3 On free road

26) Functional Class: 14 Urban Other Princ

101) Parallel Str.: Left of || bridge

104) Hwy System: 1 On the 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: Unknown (P)

94) Bridge Cost: \$0

96) Total Cost: \$0

114) Future ADT: 22,750

CONTRACT INFORMATION

Contract 1: 7901107

Contract 4: NA

2) District: Canal District

B) Highway Type: 3 State Hwy

E) Direction: 0 N/A (NBI)

17) Longitude: 075° 39' 44"

99) Border Br. Str. No.: Unknown

46) Approach Spans: 0

108B) Membrane: 0 None

Deck Sealing Date: 01/01/1901

Pier Ftg.1: B

Abut Ftg.1: B

39) Vert. Clearance: 0.0 ft

116) Lift Bridge Vert. Clearance: 0.0 ft

27) Year Built: 1981

A) On Bridge: 2

30) Year of ADT: 2021

A) On Bridge: 1 Highway

109) % Truck ADT: 8

13A) LRS Inv. Rte: 0000000003

21) Maintenance: State Highway Agency

37) Historical: 5 Not eligible for NRHP

102) Direction: 1 1-way traffic

41) Posting status: A Open, no restrict

64) Operating Rating: 1.94 rf

Date of Resolution: NA

S335:

T435:

SU5:

EV2:

76) Length of Imp.: -1.0 ft

95) Rdwy Cost: \$0

97) Yr of Cost Est: Unknown

115) Yr of Fut. ADT: 2042

Contract 2: NA

Contract 5: NA

Type of Inspection(s) Performed

UW

☐

NBI

☒

Other

☐

FC

☐

Element

☒

3) County: 03 New Castle

4) Place Code: Christiana

C) Service Lvl: 1 Mainline

11) Mile Pnt: 7.090 mi

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

108C) Deck Prot: 1 Epoxy Coated Reinforci

Pier Ftg.2: NA

Abut Ftg.2: NA

40) Hor. Clr: 0.0 ft

0.0 ft

B) Under Br.: 0

B) Under Br.: 5 Waterway

13B) LRS SubRte No: 00

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: 1.50 rf

Rating Date: 09/12/2018

S437:

T540:

SU6:

EV3:

Contract 3: NA

Contract 6: NA

INSPECTION

90) Inspection Date: 5/3/2022

92A) FC Frequency: NA

92B) UW Frequency: NA

92C) SI Frequency: NA

Element Frequency: 24 months

UBIV Required: Y

UBIV Freq: 48

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: 5/3/2022

UBIV Days: 01

UBIV Insp Date: 05/04/2020

Tidal: Y

LC Insp Date: 01/01/1901

Next Insp.: 5/3/2024

Next FC Insp: NA

Next UW Insp.: NA

Next SI: NA

Next El. Insp.: 5/3/2024

Inspection Zone: 05

GPS: Y

CONDITION

58) Deck: 7 Good

61) Channel: 7 Minor Damage

62) Culvert: N N/A (NBI)

59) Superstructure: 6 Satisfactory 60) Sub Str: 7 Good

APPRAISAL

36) Traffic Safety Features

A) Bridge Rail: 1 Meets Standards

D) Approach Rail Ends: 0 Substandard

67) Str. Evaluation: 6 Equal Min Criteria

71) Waterway Adequacy: 9 Above Desirable

113) Scour Critical: 8 Stable Above Footing

B) Transition: 1 Meets Standards

C) Appr. Rail: 0 Substandard

68) Deck Geometry: 7 Above Min Criteria 69) Under Clr: N Not applicable (NBI)

72) Approach Alignment: 8 Equal Desirable Crit

GEOMETRIC DATA

32) Appr. Rdwy Width (w/ Shldrs): 38.00 ft

34) Skew: 00°

48) Length Max Span: 85.00 ft

50) Curb or Sidewalk

51) Width Curb to Curb : 40.83 ft

53) Minimum Vertical Clearance Over Bridge:

54) Vertical Underclearance

55) Lateral Underclearance

56) Minimum Lateral Underclearance - Minimum Left: 0.00 ft

33) Median: 0 No median

35) Structure Flared: 0 No flare

49) Structure Length: 221.00 ft

A) Left: 0.00 ft

B) Right: 0.00 ft

52) Width Out to Out: 43.50 ft

99.99 ft

A) Reference: N Feature not hwy or RR

B) Minimum: 0.00 ft

A) Reference: N Feature not hwy or RR

B) Minimum: 0.00

ELEMENT CONDITION STATE DATA

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4
12/4	Re Concrete Deck	sq.ft	9,614.00	9,587.00	27.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
107/2	Steel Opn Girder/Beam	ft	1,326.00	72.00	836.00	418.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
815/2	Weathering Steel Protection	sq.ft	5,202.00	0.00	0.00	3,468.00	1,734.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
210/2	Re Conc Pier Wall	ft	40.00	40.00	0.00	0.00	0.00
215/2	Re Conc Abutment	ft	104.00	100.00	2.00	2.00	0.00
234/2	Re Conc Pier Cap	ft	82.00	82.00	0.00	0.00	0.00
300/4	Strip Seal Exp Joint	ft	90.00	16.00	69.00	3.00	2.00
301/1	Pourable Joint Seal	ft	30.00	0.00	0.00	0.00	30.00
311/2	Moveable Bearing	each	18.00	12.00	3.00	3.00	0.00
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	0.00	18.00	18.00
313/2	Fixed Bearing	each	6.00	4.00	0.00	2.00	0.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	24.00	0.00	12.00
321/1	Re Conc Approach Slab	sq.ft	2,176.00	2,176.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,071.00	17.00	0.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,063.00	0.00	25.00	0.00
331/4	Re Conc Bridge Railing	ft	472.00	459.00	3.00	10.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
825/1	R/C Abutment Backwall	ft	41.00	40.00	0.00	1.00	0.00
825/1	R/C Abutment Backwall	ft	41.00	40.00	0.00	1.00	0.00
829/1	Erosion Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
881/2	Steel Diap	(EA)	70.00	0.00	0.00	70.00	0.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
815/2	Weathering Steel Protection	sq.ft	720.00	0.00	0.00	0.00	720.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
890/2	RC Wingwalls	(LF)	30.00	29.00	1.00	0.00	0.00

Bridge No: 1279W003
Date of Inspection: 05/03/2022
Load Rating Date: 09/12/2018

Print Date:
Report Uploaded 16-Jun-22

INSPECTION

Inspection Date: 05/03/2022 06/28/2022 Type: 1 Regular NBI
Inspector: Darren Sobota *DJ Sobota* BrM User:
Scope:
NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical ☐

INSPECTION NOTES

INSPECTED BY: DSOBOTA (TL,S,J,R) / SKOMAR(I,P).

NOTES:

-THE INSPECTION ON 5/3/22 WAS A VISUAL INSPECTION ONLY. NOT ALL ELEMENTS COULD BE
ACCESSED AT A "HANDS-ON" LEVEL AND THEREFORE THEIR CONDITION WAS ASSUMED TO HAVE
NOT CHANGED.

-BIE DETERMINED NBI SUPERSTRUCTURE RATING IS 6 SINCE WEATHERING STEEL CORROSION
FLAKES ARE LESS THAN 1/2". MJM 6/16/22

MAXIMO REQUESTS:

B055-V1A REMOVE VEGETATION IN MEDIAN UNDER THE BRIDGE. (WO# 1205851)

B022-S1D: REPAIR SPALLS IN AC OVERLAY AT BOTH WEST AND EAST APPROACH SLABS ALONG
THE JOINT HEADER. (WO# 1205855)

B007-S1H: CLEAN AND RESEAL THE POURED JOINT ALONG BOTH NORTHEAST AND NORTHWEST
APPROACH RAILS WITH HOT-POURED SELANT MATERIAL. (WO# 1205857)

STRUCTURE NOTES

Year Bridge Painted:	NA	Comments:
Date of Deck Sealing:	01/01/1901	Comments:
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:

NBI DONE BY: BRYAN MORGAN

....NOTE: SCALE FACTORS ENTERED BY GRD ON 08/10/06, DO NOT CHANGE....

ELEMENT CONDITION STATE DATA FOR SPAN 1 WEST

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
12/4	Re Concrete Deck	sq.ft	9,614.00	9,587.00	27.00	0.00	0.00	SPAN1: CS-2= 6 SF: MINOR CRACKS WITH EFFLO AT NORTH OVERHANG (3 SF) AND SOUTH OVERHANG (3 SF). SPAN2: CS-2= 9 SF: MINOR CRACKS WITH EFFLO AT NORTH OVERHANG (7 SF) AND SOUTH OVERHANG (2 SF). CS-2= 1 SF: SMALL SHALLOW SPALL ON THE NORTH OVERHANG. SPAN3: CS-2= 11 SF: MINOR CRACKS WITH EFFLO AT NORTH OVERHANG (6 SF) AND SOUTH OVERHANG (5 SF). NOTE: CS-1= SF: HAIRLINE MAP CRACKING TYP.
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
1080/4	Delamination/Spall/Patched Area	sq.ft	1.00	0.00	1.00	0.00	0.00	-
1120/4	Efflorescence/Rust Staining	sq.ft	26.00	0.00	26.00	0.00	0.00	-
1130/4	Cracking (RC and Other)	sq.ft	9,587.00	9,587.00	0.00	0.00	0.00	
107/2	Steel Opn Girder/Beam	ft	408.00	36.00	248.00	124.00	0.00	CS-3=124 LF: ACTIVE CORROSION WITH SECTION LOSS ON EXTERIOR GIRDERS. UP TO 1/4-INCH FLAKES HAVE FORMED ALONG TOP OF EXTERIOR BOTTOM FLANGE ON FASCIA GIRDERS. (PHOTO 18) CS-2=248 LF: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM LOCATIONS ON INTERIOR BEAMS. CS-1=36 LF: NDN (VISUAL INSPECTION ONLY. ASSUME NC-22)
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00	CS-1=367 SF: NDN. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00	CS-4=1153 SF: LARGE FLAKES ($\geq 1/2"$) ON EXTERIOR FASCIA BEAMS CS-3=1153 SF: SMALL FLAKES ($< 1/2"$) AT RANDOM LOCATION CS-3=1153 SF: GRANULAR TEXTURE AT RANDOM LOCATIONS
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00	-
210/2	Re Conc Pier Wall	ft	20.00	20.00	0.00	0.00	0.00	CS-1=20 LF: NDN. (NC-22)
215/2	Re Conc Abutment	ft	52.00	49.00	2.00	1.00	0.00	CS-3=1 LF: CRACK WITH RUST STAIN (PHOTO 19) AT NORTH END OF THE ABUTMENT. CS-2=2 LF: 1/16" WIDE HORIZONTAL CRACKS IN THE MEDIAN AT THE NORTH END ADJACENT TO THE BACKWALL. CS-1= LF: HAIRLINE VERTICAL CRACKS AT RANDOM LOCATIONS ON ABUTMENT.
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00	
1130/2	Cracking (RC and Other)	ft	51.00	49.00	2.00	0.00	0.00	
234/2	Re Conc Pier Cap	ft	41.00	41.00	0.00	0.00	0.00	CS-1=41 LF: SUPERFICIAL VERTICAL CRACKING TYP. (NC-22)

ELEMENT CONDITION STATE DATA FOR SPAN 1 WEST

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
300/4	Strip Seal Exp Joint	ft	45.00	16.00	26.00	1.00	2.00	CS-4=2 LF: THE GLAND PUNCTURED COMPLETELY THROUGH IN THE LEFT TRAVEL LANE NEAR THE WHITE LINE. (PHOTO 20) CS-3=1 LF: DEEP SPALL IN THE HEADER AT THE RIGHT TRAVEL LANE. (PHOTO 15) CS-2=5 LF: SHALLOW SPALLS ON THE LEFT TRAVEL LANE WITH MINOR CRACKING WITHIN THE SAME LINEAR FOOT. CS-2=21 LF: DEBRIS BUILT UP WITHIN THE JOINT BUT FUNCTIONS AS INTENDED. CS-1= LF: MINOR CRACKS ALONG THE HEADER.
2330/4	Seal Damage	ft	2.00	0.00	0.00	0.00	2.00	
2350/4	Debris Impaction	ft	21.00	0.00	21.00	0.00	0.00	
2360/4	Adjacent Deck or Header	ft	6.00	0.00	5.00	1.00	0.00	-
301/1	Pourable Joint Seal	ft	15.00	0.00	0.00	0.00	15.00	CS-4=15 LF: THE POUR JOINT IS MISSING/ FULLY DEBONDED FOR THE ENTIRE LENGTH. (NC-22) (NOTE: POURED JOINT ONLY EXISTS ALONG LENGTH OF PARAPET OVER N/W WINGWALL.)
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00	
311/2	Moveable Bearing	each	6.00	6.00	0.00	0.00	0.00	ABUTMENT CS-1=6 EA: BEARINGS WERE CLEANED, GREASED, AND PAINTED AT TIME OF INSPECTION. NDN. (NC-22)
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00	CS-1=36 SF: NDN. (NC-22)
313/2	Fixed Bearing	each	6.00	4.00	0.00	2.00	0.00	PIER 1 CS-3=2 EA: MODERATE CORROSION ON FASCIA BEARINGS BETWEEN SOLE PLATE & DISC PLATE, NOT HINDERING MOVEMENT OF BEARING. CS-1=4 EA: FRECKLED RUST ON INTERIOR BEARINGS. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	24.00	0.00	12.00	CS-4=12 SF: LAMINAR SHEETING ON BEARINGS 1 AND 6 ABOVE THE TEFLON PLATE. CS-2=24SF: GRANULAR TEXTURE ON ALL BEARINGS. (VISUAL INSPECTION ONLY. ASSUME NC-22)
1000/2	Corrosion	each	6.00	4.00	0.00	2.00	0.00	-
321/1	Re Conc Approach Slab	sq.ft	1,088.00	1,088.00	0.00	0.00	0.00	CS-1= SF: APPROACH SLAB HAS BEEN COVERED IN AN AC OVERLAY. (NC-22)
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,071.00	17.00	0.00	0.00	CS-2=17 SF: SHALLOW EDGE SPALLS AND LONGITUDINAL CRACKS AT THE HEADER INTERFACE. (PHOTO 15) CS-1= SF: NDN
3210/1	Del/Spall/Patch/Pot(Wear Surf)	sq.ft	17.00	0.00	17.00	0.00	0.00	
331/4	Re Conc Bridge Railing	ft	151.00	149.00	1.00	1.00	0.00	CS-3=1 LF: DEEP SPALL AT THE NORTH WEST CORNER OF THE SOUTH RAIL. (PHOTO 14) CS-2=1 LF: SHALLOW SPALL DUE TO LACK OF COVER WITH EXPOSED REBAR AT SOUTH FACE OF NORTH RAIL. CS-1=149 LF: AT THE SOUTH FACE OF THE NORTH RAIL THERE ARE 2 FORMWORK HOLES AT RANDOM LOCATIONS. ADDITIONALLY, SUPERFICIAL VERTICAL CRACKS w/ SIGNS OF A.S.R. TYPICAL. (NC-22)
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
1080/4	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00	-
1090/4	Exposed Rebar	ft	1.00	0.00	1.00	0.00	0.00	-
1130/4	Cracking (RC and Other)	ft	149.00	149.00	0.00	0.00	0.00	
825/1	R/C Abutment Backwall	ft	41.00	40.00	0.00	1.00	0.00	CS-3=1 LF: CRACK W/ RUST STAIN AT NORTH END. (PHOTO 17)
829/1	Erosion Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00	CS-1=1 EA: SMALL EROSION HOLES AT NORTHWEST WINGWALL. (PHOTO 16)

ELEMENT CONDITION STATE DATA FOR SPAN 1 WEST

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00	CS-1= EA: DISTRESSED AREA IS LES THAN 2% OF TOTAL AREA. SEE ELEMENT 12 FOR DEFECTS AND LOCATIONS. (NC-22)
881/2	Steel Diap	(EA)	25.00	0.00	0.00	25.00	0.00	CS-3= 25 EA: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00	CS-4 = 900 SF: GRANULAR TEXTURE ON ALL DIAPHRAGMS. (VISUAL INSPECTION ONLY. ASSUME NC-22)
1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00	
890/2	RC Wingwalls	(LF)	15.00	15.00	0.00	0.00	0.00	CS-1= LF: SUPERFICIAL CRACKING.
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	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	510.00	0.00	340.00	170.00	0.00	CS-3=170 LF: ACTIVE CORROSION WITH SECTION LOSS ON EXTERIOR GIRDERS. FLAKES HAVE FORMED ALONG TOP OF EXTERIOR BOTTOM FLANGE ON FASCIA GIRDERS(2020 PHOTO 20). CS-2=170 LF: GRANULAR TEXTURE AT RANDOM LOCATIONS OF INTERIOR BEAMS. CS-2=170 LF: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM LOCATIONS ON INTERIOR BEAMS. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	5,202.00	0.00	0.00	3,468.00	1,734.00	CS-4=1734SF: LARGE FLAKES (>=1/2") ON EXTERIOR FASCIA BEAMS CS-3=1734SF: SMALL FLAKES(< 1/2") AT RANDOM LOCATION CS-3=1734SF: GRANULAR TEXTURE AT RANDOM LOCATIONS
1000/2	Corrosion	ft	510.00	0.00	340.00	170.00	0.00	-
210/2	Re Conc Pier Wall	ft	20.00	20.00	0.00	0.00	0.00	CS-1=20 LF: FEW SUPERFICIAL VERTICAL CRACKS AT RANDOM LOCATIONS. (NC-22)
234/2	Re Conc Pier Cap	ft	41.00	41.00	0.00	0.00	0.00	CS-1=41 LF: SUPERFICIAL VERTICAL CRACKS TYP. (NC-22)
1130/2	Cracking (RC and Other)	ft	41.00	41.00	0.00	0.00	0.00	-
311/2	Moveable Bearing	each	6.00	0.00	3.00	3.00	0.00	PIER 2 CS-3=3 EA: MODERATE CORROSION ON BEARINGS(1,4,6) BETWEEN SOLE PLATE & SLIDING PLATE, NOT HINDERING MOVEMENT OF BEARING. (2020 PHOTO 19) CS-2=3 EA: FRECKLED RUST ON INTERIOR BEARINGS. (VISUAL INSPECTION ONLY. ASSUME NC-22) NOTE: SEPARATION OF THE TEFLON PLATE AND LARGE CORROSION FLAKES AT BEARING 1. (PHOTO 23)
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	0.00	18.00	18.00	CS-4=18 SF: LARGE FLAKES AND LAMINAR SHEETING ON EXTERIOR FASCIA BEARINGS. CS-2=18 SF: GRANULAR TEXTURE ON ALL INTERIOR BEARINGS.
1000/2	Corrosion	each	6.00	0.00	3.00	3.00	0.00	-
331/4	Re Conc Bridge Railing	ft	170.00	169.00	0.00	1.00	0.00	CS-3= 1 LF: SMALL SPALL WITH EXPOSED REBAR IN SOUTH FACE OF NORTH RAIL NEAR WEST END (PHOTO 13) CS-1= 1 LF: SUPERFICIAL VERTICAL CRACKS w/ SIGNS OF A.S.R. TYPICAL. (NC-22)
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
1090/4	Exposed Rebar	ft	1.00	0.00	0.00	1.00	0.00	
881/2	Steel Diap	(EA)	25.00	0.00	0.00	25.00	0.00	CS-3= 25 EA: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00	CS-1=900 SF: NDN. (VISUAL INSPECTION ONLY. ASSUME NC-22)
1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00	

ELEMENT CONDITION STATE DATA FOR SPAN 3 EAST

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	408.00	36.00	248.00	124.00	0.00	CS-3=124 LF: ACTIVE CORROSION WITH SECTION LOSS ON EXTERIOR GIRDERS. FLAKES HAVE FORMED ALONG TOP OF EXTERIOR BOTTOM FLANGE ON FASCIA GIRDERS. CS-2=248 LF: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM LOCATIONS ON INTERIOR BEAMS. CS-1= LF: (VISUAL INSPECTION ONLY. ASSUME NC-22)
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00	CS-1=367SF: NDN (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00	CS-4=1153 SF: LARGE FLAKES (>=1/2") ON EXTERIOR FASCIA BEAMS. CS-3=1153 SF: SMALL FLAKES(< 1/2") AT RANDOM LOCATION. CS-3=1153 SF: GRANULAR TEXTURE AT RANDOM LOCATIONS.
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00	-
215/2	Re Conc Abutment	ft	52.00	51.00	0.00	1.00	0.00	CS-3=1 LF: SUPERFICIAL CRACK WITH RUST STAINING AT NORTH END, NORTH FACE (PHOTO 21) CS-1= LF: HAIRLINE VERTICAL CRACKS AT RANDOM LOCATIONS.
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00	
300/4	Strip Seal Exp Joint	ft	45.00	0.00	43.00	2.00	0.00	CS-3=2 LF: DEEP SPALL IN THE JOINT HEADER AT THE CENTER OF THE LEFT LANE. (PHOTO 9) CS-2=6 LF: SHALLOW SPALLS ALONG EDGE OF HEADER IN BOTH TRAVEL LANES AND IN THE NORTH SHOULDER. CS-2=37 LF: MINOR CRACKS w/ AREAS OF DELAM ALONG HEADER.
2360/4	Adjacent Deck or Header	ft	45.00	0.00	43.00	2.00	0.00	-
301/1	Pourable Joint Seal	ft	15.00	0.00	0.00	0.00	15.00	CS-4=15 LF: THE POUR JOINT IS MISSING/ FULLY DEBONDED FOR THE ENTIRE LENGTH. (PHOTO 12) (NC-22) NOTE: POURED JOINT ONLY EXISTS ALONG LENGTH OF PARAPET OVER N/W WINGWALL.
311/2	Moveable Bearing	each	6.00	6.00	0.00	0.00	0.00	ABUTMENT CS-1=6 EA: PAINTED AND GREASED AT TIME OF INSPECTION. NDN. (NC-22)
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00	CS-1=36 SF: NDN (NC-22)
321/1	Re Conc Approach Slab	sq.ft	1,088.00	1,088.00	0.00	0.00	0.00	CS-1=1088 SF: APPROACH SLAB HAS BEEN COVERED IN AN AC OVERLAY. NDN.
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,063.00	0.00	25.00	0.00	CS-3=25 SF: LARGE, DEEP EDGE SPALLS IN THE AC OVERLAY IN BOTH TRAVEL LANES AT THE JOINT HEADER INTERFACE. (PHOTO 10) CS-1= SF: NDN.
3210/1	Del/Spall/Patch/Pot(Wear Surf)	sq.ft	25.00	0.00	0.00	25.00	0.00	
331/4	Re Conc Bridge Railing	ft	151.00	141.00	2.00	8.00	0.00	CS-3=3 LF: LARGE, DEEP SPALL EXPOSING BAR WITH LOSS OF SECTION ON THE EAST END OF THE NORTH RAIL (PHOTO 7) CS-3=5 LF: DEEP SPALL AT BOTTOM OF NORTH (3 LF) AND SOUTH (2 LF) RAIL INTERIOR FACES. (PHOTO 8) CS-2=2 LF: CRACKS WITH EFFLO ON THE SOUTH FACE OF THE NORTH RAIL NEAR MID SPAN . CS-1= LF: SUPERFICIAL VERTICAL CACKS AT RANDOM LOCATIONS. (NC-22) NOTE: FORMWORK POPOUTS ON THE INTERIOR FACE OF THE NORTH RAIL
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00	
1080/4	Delamination/Spall/Patched Area	ft	5.00	0.00	0.00	5.00	0.00	
1090/4	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00	-
1120/4	Efflorescence/Rust Staining	ft	2.00	0.00	2.00	0.00	0.00	
1130/4	Cracking (RC and Other)	ft	141.00	141.00	0.00	0.00	0.00	

ELEMENT CONDITION STATE DATA FOR SPAN 3 EAST

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4	Notes
825/1	R/C Abutment Backwall	ft	41.00	40.00	0.00	1.00	0.00	CS-3=1 LF: SHALLOW SPALL WITH RUST STAINING SUPERFICIAL CRACK AT THE NORTH END (PHOTO 22) CS-1= LF: MAP CRACKING TYP. IN ABUTMENT BACKWALL.
881/2	Steel Diap	(EA)	20.00	0.00	0.00	20.00	0.00	CS-3= 20 EA: ACTIVE CORROSION WITH SMALL FLAKES AT RANDOM. (VISUAL INSPECTION ONLY. ASSUME NC-22)
815/2	Weathering Steel Protection	sq.ft	720.00	0.00	0.00	0.00	720.00	CS-4=720 SF: GRANULAR TEXTURE ON ALL DIAPHRAGMS. (VISUAL INSPECTION ONLY. ASSUME NC-22)
1000/2	Corrosion	(EA)	20.00	0.00	0.00	20.00	0.00	
890/2	RC Wingwalls	(LF)	15.00	14.00	1.00	0.00	0.00	CS-2=1 LF: TOP OF NORTHEAST WINGWALL RC RAIL TILTING NORTH 1 1/4 INCHES. (PHOTO 11) CS-1= LF: SUPERFICIAL MAP CRACKING TYP.
4000/2	Settlement	(LF)	1.00	0.00	1.00	0.00	0.00	
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00	
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00	

ELEMENT CONDITION STATE DATA SUMMARY

Elm/Env	Description	Unit	Total Qty	Qty. St. 1	Qty. St. 2	Qty. St. 3	Qty. St. 4
12/4	Re Concrete Deck	sq.ft	9,614.00	9,587.00	27.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
1080/4	Delamination/Spall/Patched Area	sq.ft	1.00	0.00	1.00	0.00	0.00
1080/4	Delamination/Spall/Patched Area	sq.ft	1.00	0.00	1.00	0.00	0.00
1120/4	Efflorescence/Rust Staining	sq.ft	26.00	0.00	26.00	0.00	0.00
1120/4	Efflorescence/Rust Staining	sq.ft	26.00	0.00	26.00	0.00	0.00
1130/4	Cracking (RC and Other)	sq.ft	9,587.00	9,587.00	0.00	0.00	0.00
1130/4	Cracking (RC and Other)	sq.ft	9,587.00	9,587.00	0.00	0.00	0.00
107/2	Steel Opn Girder/Beam	ft	1,326.00	72.00	836.00	418.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	367.00	367.00	0.00	0.00	0.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
815/2	Weathering Steel Protection	sq.ft	5,202.00	0.00	0.00	3,468.00	1,734.00
815/2	Weathering Steel Protection	sq.ft	5,202.00	0.00	0.00	3,468.00	1,734.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
815/2	Weathering Steel Protection	sq.ft	3,794.00	335.00	0.00	2,306.00	1,153.00
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00
1000/2	Corrosion	ft	510.00	0.00	340.00	170.00	0.00
1000/2	Corrosion	ft	510.00	0.00	340.00	170.00	0.00
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00
1000/2	Corrosion	ft	408.00	36.00	248.00	124.00	0.00
210/2	Re Conc Pier Wall	ft	40.00	40.00	0.00	0.00	0.00
215/2	Re Conc Abutment	ft	104.00	100.00	2.00	2.00	0.00
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/2	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1130/2	Cracking (RC and Other)	ft	51.00	49.00	2.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	51.00	49.00	2.00	0.00	0.00
234/2	Re Conc Pier Cap	ft	82.00	82.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	41.00	41.00	0.00	0.00	0.00
1130/2	Cracking (RC and Other)	ft	41.00	41.00	0.00	0.00	0.00
300/4	Strip Seal Exp Joint	ft	90.00	16.00	69.00	3.00	2.00
2330/4	Seal Damage	ft	2.00	0.00	0.00	0.00	2.00
2330/4	Seal Damage	ft	2.00	0.00	0.00	0.00	2.00
2350/4	Debris Impaction	ft	21.00	0.00	21.00	0.00	0.00
2350/4	Debris Impaction	ft	21.00	0.00	21.00	0.00	0.00
2360/4	Adjacent Deck or Header	ft	45.00	0.00	43.00	2.00	0.00
2360/4	Adjacent Deck or Header	ft	45.00	0.00	43.00	2.00	0.00
2360/4	Adjacent Deck or Header	ft	6.00	0.00	5.00	1.00	0.00
2360/4	Adjacent Deck or Header	ft	6.00	0.00	5.00	1.00	0.00
301/1	Pourable Joint Seal	ft	30.00	0.00	0.00	0.00	30.00
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00
311/2	Moveable Bearing	each	18.00	12.00	3.00	3.00	0.00
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00

515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00
515/2	Steel Protective Coating	sq.ft	36.00	36.00	0.00	0.00	0.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	0.00	18.00	18.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	0.00	18.00	18.00
1000/2	Corrosion	each	6.00	0.00	3.00	3.00	0.00
1000/2	Corrosion	each	6.00	0.00	3.00	3.00	0.00
313/2	Fixed Bearing	each	6.00	4.00	0.00	2.00	0.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	24.00	0.00	12.00
815/2	Weathering Steel Protection	sq.ft	36.00	0.00	24.00	0.00	12.00
1000/2	Corrosion	each	6.00	4.00	0.00	2.00	0.00
1000/2	Corrosion	each	6.00	4.00	0.00	2.00	0.00
321/1	Re Conc Approach Slab	sq.ft	2,176.00	2,176.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/1	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,071.00	17.00	0.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,071.00	17.00	0.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,063.00	0.00	25.00	0.00
811/1	Asphaltic Conc. Wearing Surface	sq.ft	1,088.00	1,063.00	0.00	25.00	0.00
331/4	Re Conc Bridge Railing	ft	472.00	459.00	3.00	10.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
520/4	Conc Re Prot Sys	sq.ft	1.00	1.00	0.00	0.00	0.00
1080/4	Delamination/Spall/Patched Area	ft	5.00	0.00	0.00	5.00	0.00
1080/4	Delamination/Spall/Patched Area	ft	5.00	0.00	0.00	5.00	0.00
1080/4	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1080/4	Delamination/Spall/Patched Area	ft	1.00	0.00	0.00	1.00	0.00
1090/4	Exposed Rebar	ft	1.00	0.00	0.00	1.00	0.00
1090/4	Exposed Rebar	ft	1.00	0.00	0.00	1.00	0.00
1090/4	Exposed Rebar	ft	1.00	0.00	1.00	0.00	0.00
1090/4	Exposed Rebar	ft	1.00	0.00	1.00	0.00	0.00
1090/4	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00
1090/4	Exposed Rebar	ft	3.00	0.00	0.00	3.00	0.00
1120/4	Efflorescence/Rust Staining	ft	2.00	0.00	2.00	0.00	0.00
1120/4	Efflorescence/Rust Staining	ft	2.00	0.00	2.00	0.00	0.00
1130/4	Cracking (RC and Other)	ft	141.00	141.00	0.00	0.00	0.00
1130/4	Cracking (RC and Other)	ft	141.00	141.00	0.00	0.00	0.00
1130/4	Cracking (RC and Other)	ft	149.00	149.00	0.00	0.00	0.00
1130/4	Cracking (RC and Other)	ft	149.00	149.00	0.00	0.00	0.00
825/1	R/C Abutment Backwall	ft	82.00	80.00	0.00	2.00	0.00
829/1	Erosion Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
839/2	Soffit Smart Flag	(EA)	1.00	1.00	0.00	0.00	0.00
881/2	Steel Diap	(EA)	70.00	0.00	0.00	70.00	0.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
815/2	Weathering Steel Protection	sq.ft	720.00	0.00	0.00	0.00	720.00
815/2	Weathering Steel Protection	sq.ft	720.00	0.00	0.00	0.00	720.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
815/2	Weathering Steel Protection	sq.ft	900.00	0.00	0.00	0.00	900.00
1000/2	Corrosion	(EA)	20.00	0.00	0.00	20.00	0.00
1000/2	Corrosion	(EA)	20.00	0.00	0.00	20.00	0.00

1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00
1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00
1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00
1000/2	Corrosion	(EA)	25.00	0.00	0.00	25.00	0.00
890/2	RC Wingwalls	(LF)	30.00	29.00	1.00	0.00	0.00
4000/2	Settlement	(LF)	1.00	0.00	1.00	0.00	0.00
4000/2	Settlement	(LF)	1.00	0.00	1.00	0.00	0.00
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
1120/1	Efflorescence/Rust Staining	ft	1.00	0.00	0.00	1.00	0.00
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00
2330/1	Seal Damage	ft	15.00	0.00	0.00	0.00	15.00

Date:	5/10/18	05/04/2020	5/4/2022				
Inspectors:	JM/MM	DS/RK	SK/DS				
Location:	Span 1	Span 1 W Abut	Span 1 W Abut				
Temp (°F):	81°	67°F	54°F				
Left Gap ("):	3/4"	@ WHIT LINE 1.00 INCH	1 1/8"				
Right Gap ("):	3/4"	@ Yellow Line 0.88 INCH	7/8"				
Comments:							
Location:	Span 3	Span 3 E Abut	Span 3 E Abut				
Temp (°F):	81°	67°F	54°F				
Left Gap ("):	3/4"	@ WHIT LINE 0.75 INCH	3/4"				
Right Gap ("):	3/4"	@ Yellow Line 0.75 INCH	7/8"				
Comments:							
Location:							
Temp (°F):							
Left Gap ("):							
Right Gap ("):							
Comments:							
Location:							
Temp (°F):							
Left Gap ("):							
Right Gap ("):							
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.

SCOUR RELATED DATA
Bridge No: 1279W003

Bridge ID: 1279W003	Inspection Date: 5/4/2020	Region: Urban
Waterway Name: CHRISTINA RIVER		Fathometer Req'd: No

WATERWAY INFORMATION

Tidal: Y	Underclearance: 20.0 ft	Depth of Flow: 5.0 ft
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STREAMBED CHARACTERISTICS

Streambed Mtrl Type: Silt/Clay	Streambed Mtrl Penetration: Loose 1"-3"
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ARMORING

Abutment: R-7(AVG = 18")	Piers: No Armoring
Upstream Channel: No Armoring	Wingwalls: R-7(AVG = 18")
Dwnstrm Channel: No Armoring	Channel Bottom: No Armoring

TYPE OF FOUNDATION & SUBSTRUCTURE ELEMENTS

Foundation Type: Piles > 20 ft		Fnd. Mtrl: Soil
Pier: Pier	Cap Shape: Round	Shape of Piles: Round

CHANNEL AND CHANNEL PROTECTION (NBI ITEM #61)

Waterway: G	Comments: NA
Streambed: F	Comments: A FEW FEET OF ENTREN
Embankment: F	Comments: BANK EROSION ALONG P
Fender System:	Comments: NA

CHANNEL INFORMATION

Debris in Channel: No	Sediment in Channel: No	Cap. of Chnl: High
Chance of Overtopping: Slight (11-100 Yrs)		
Upstream Bank Condition: No Deficiency	Downstream Bank Condition: No Deficiency	
Rdwy Overflow: Insignificant		

LOCAL SCOUR (OBSERVED) NBI ITEM #113

Piers: None	Abutment: None	Bents:
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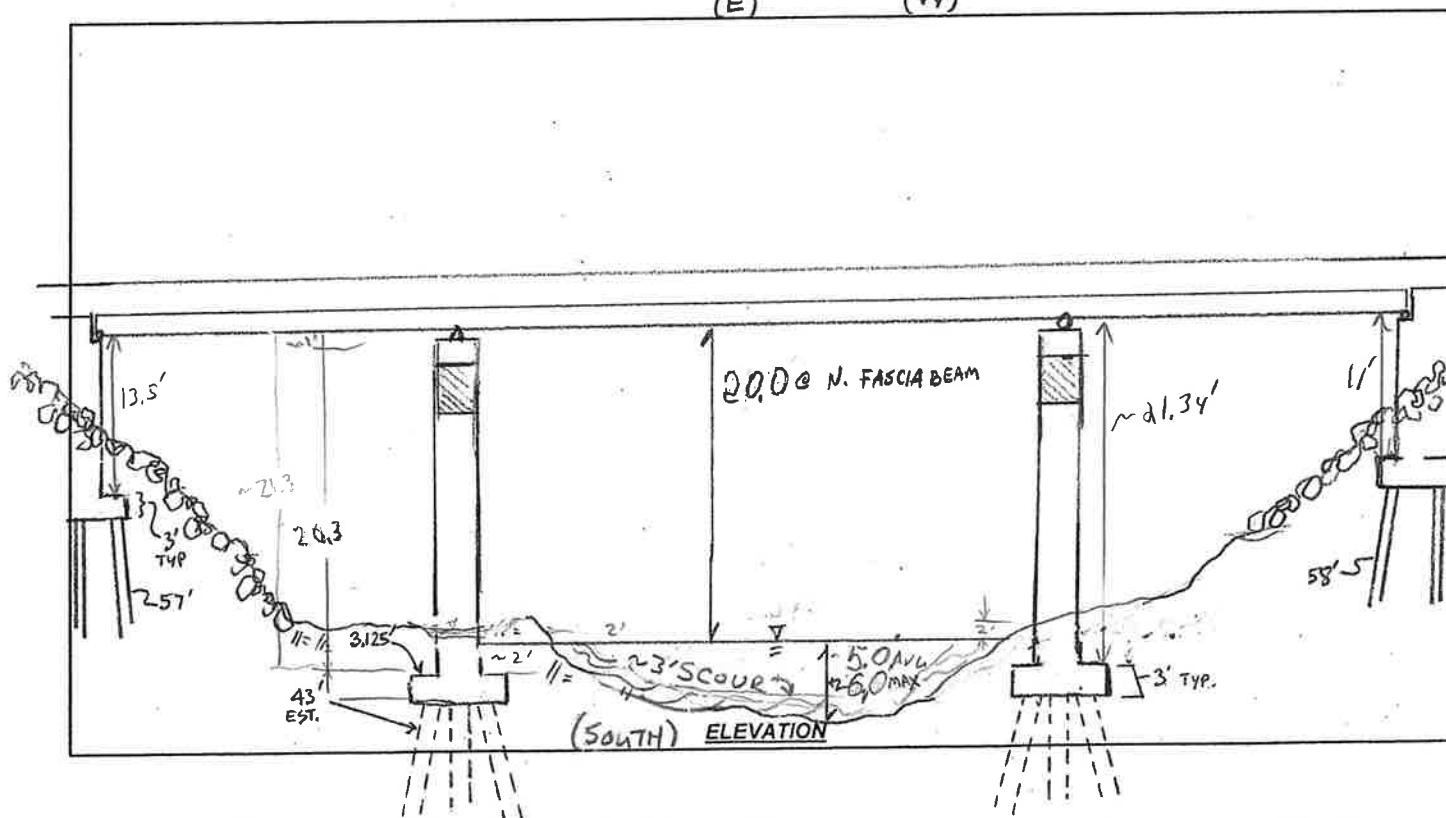
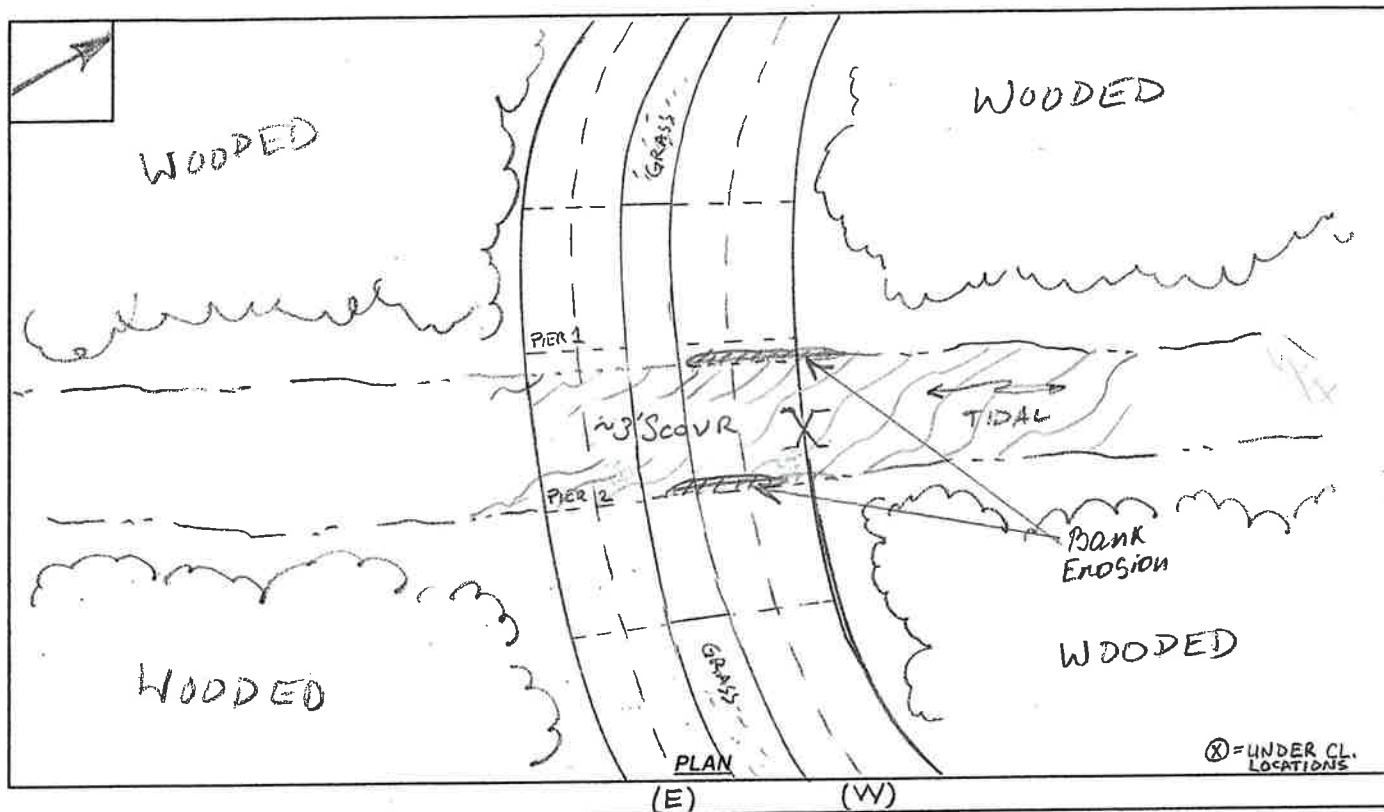
WATERWAY SKETCH SHEET

BR. ID.: 1 -279W-003

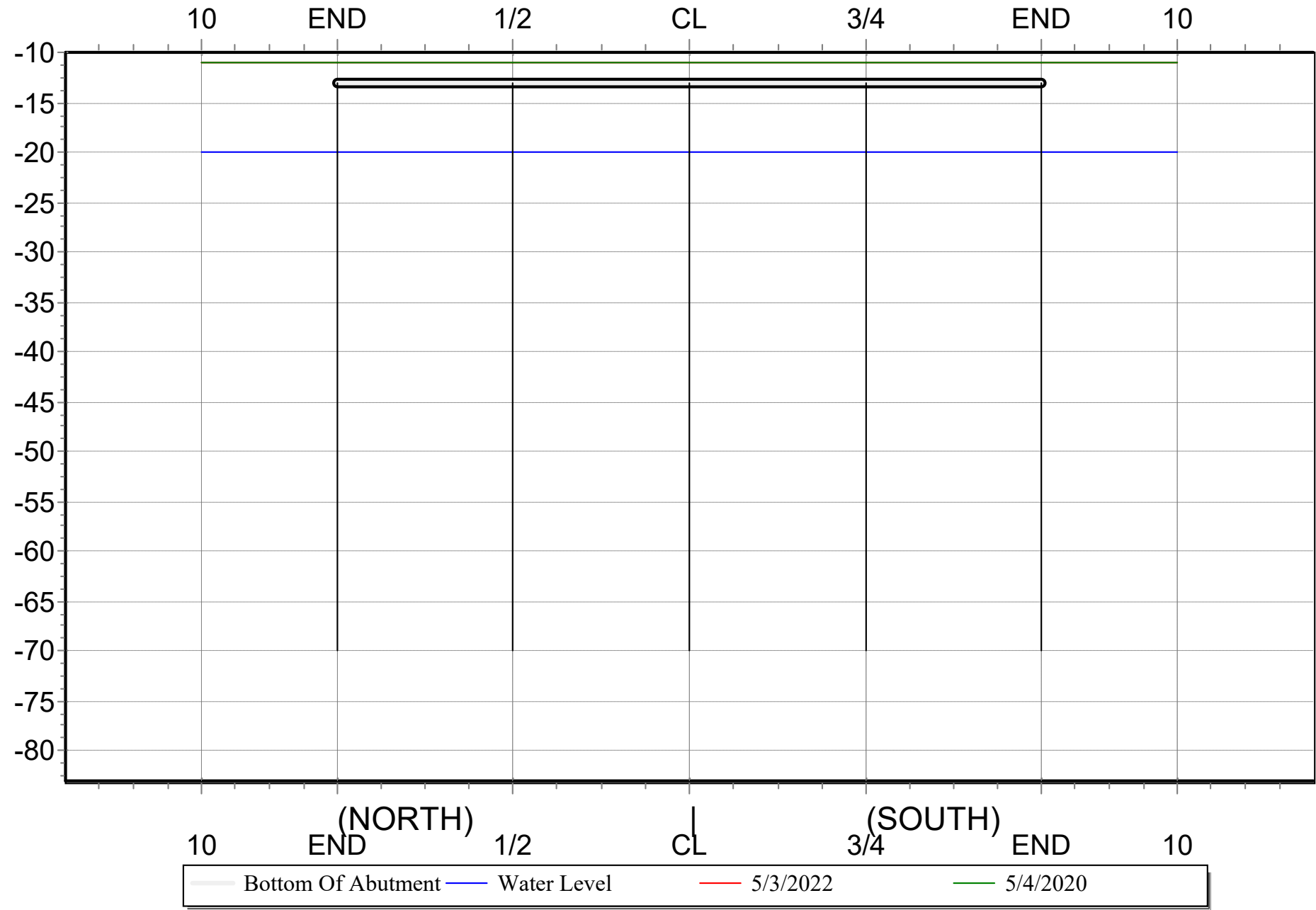
WATERWAY NAME: CHRISTINA RIVER

DATE: 05, 03, 2022

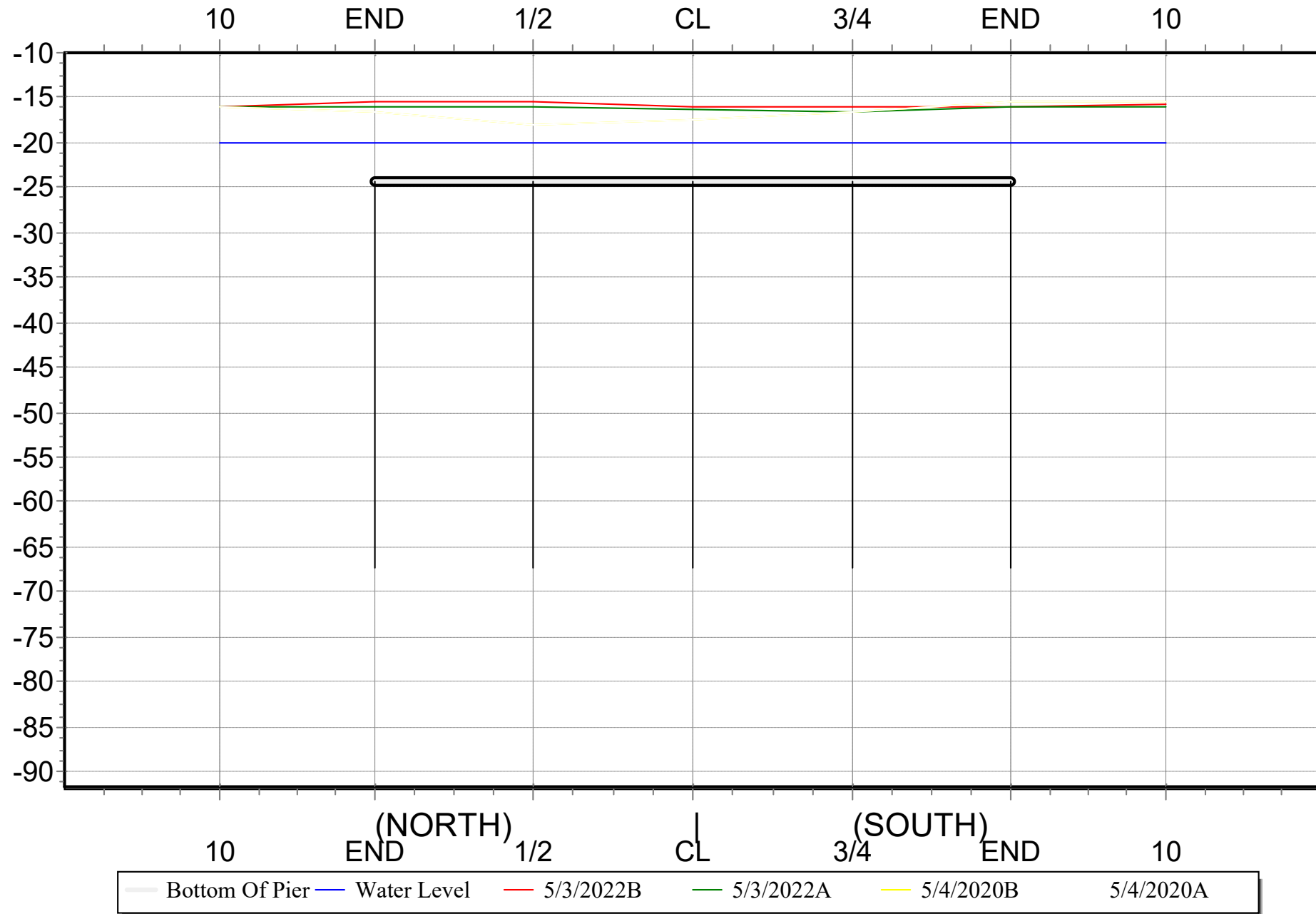
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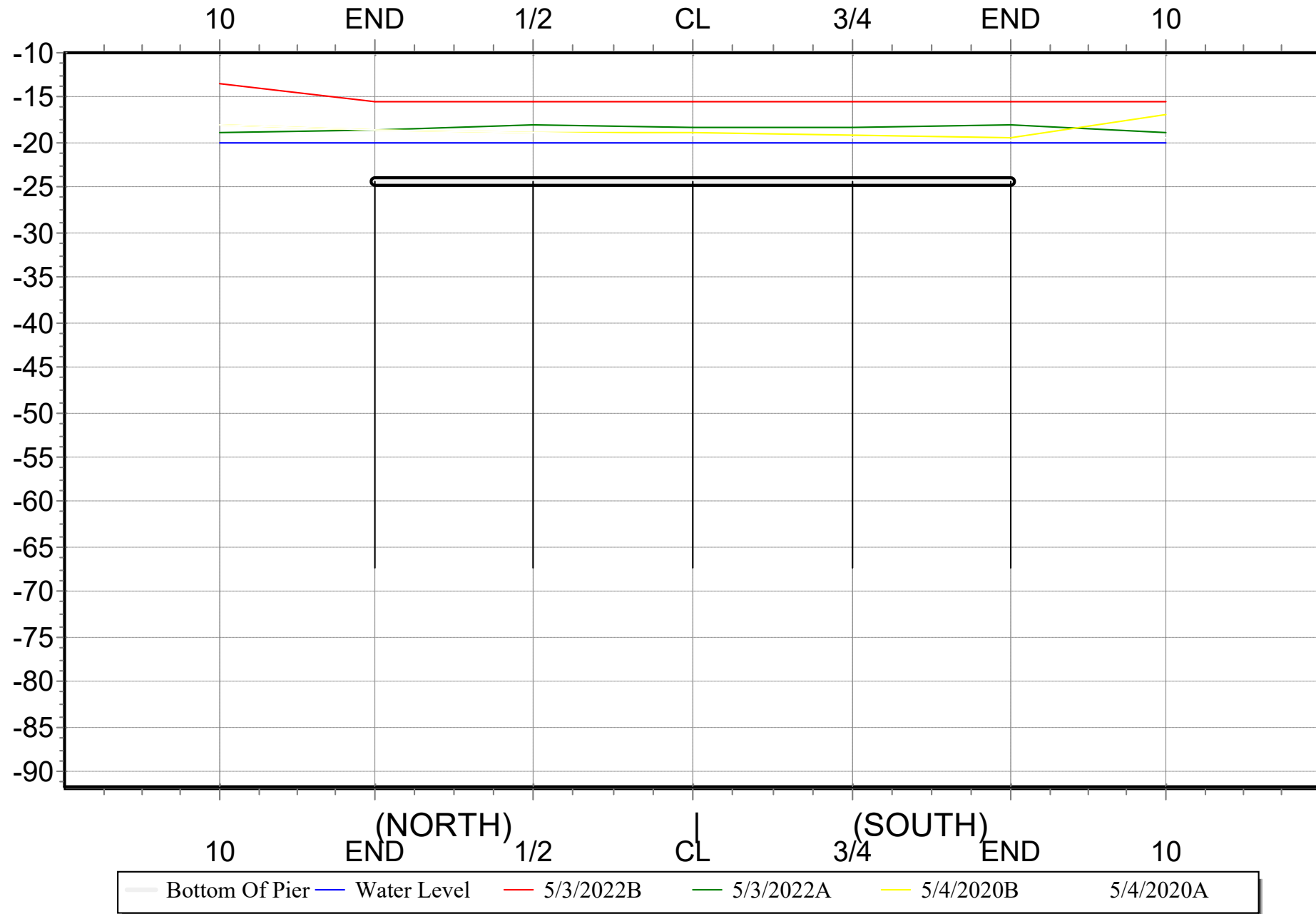
File Along Unit # 1 - WEST ABUTMENT For Bridge No.1279W



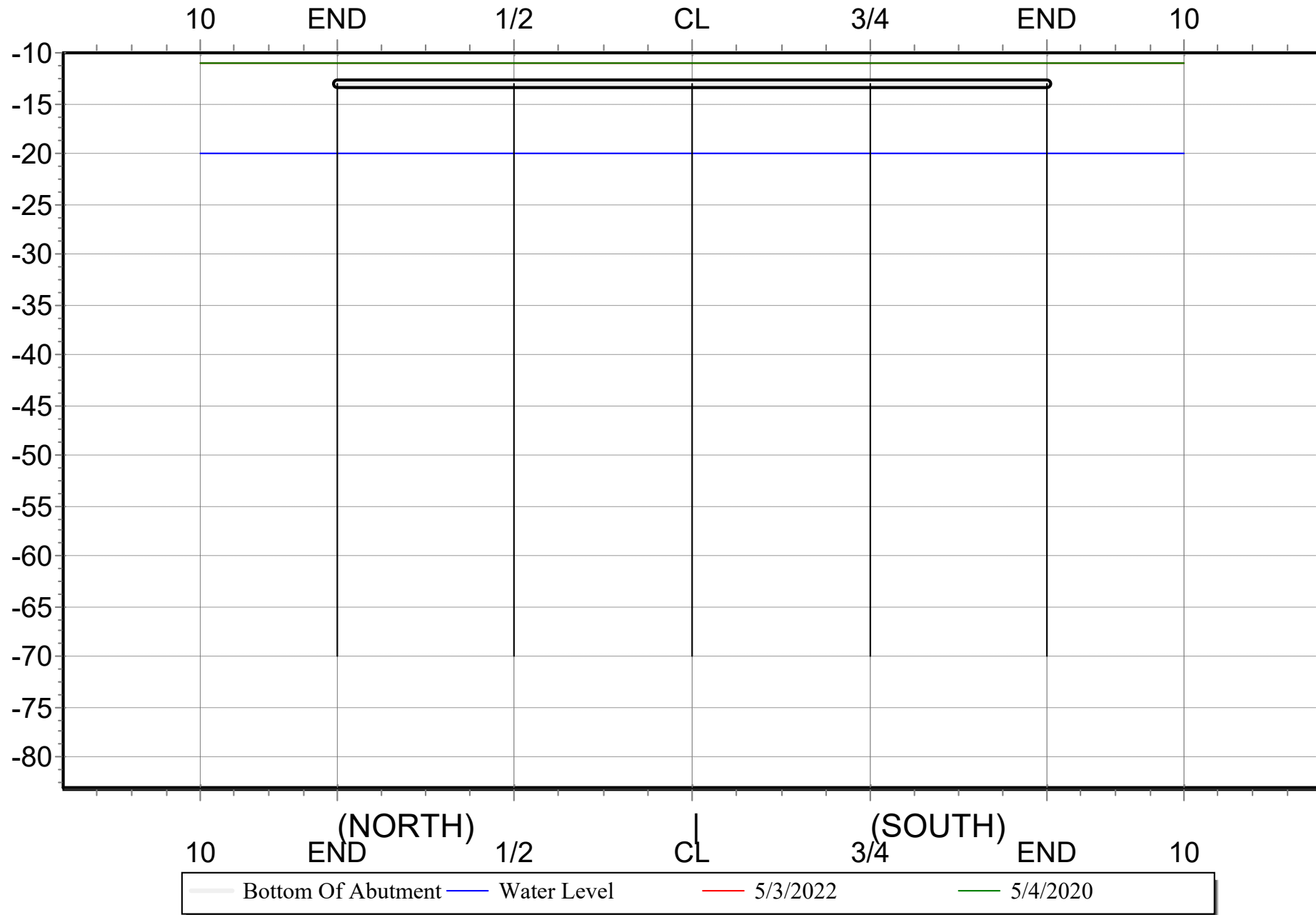
Profile Along Unit # 2 - PIER 1 For Bridge No.1279W003



Profile Along Unit # 3 - PIER 2 For Bridge No.1279W003

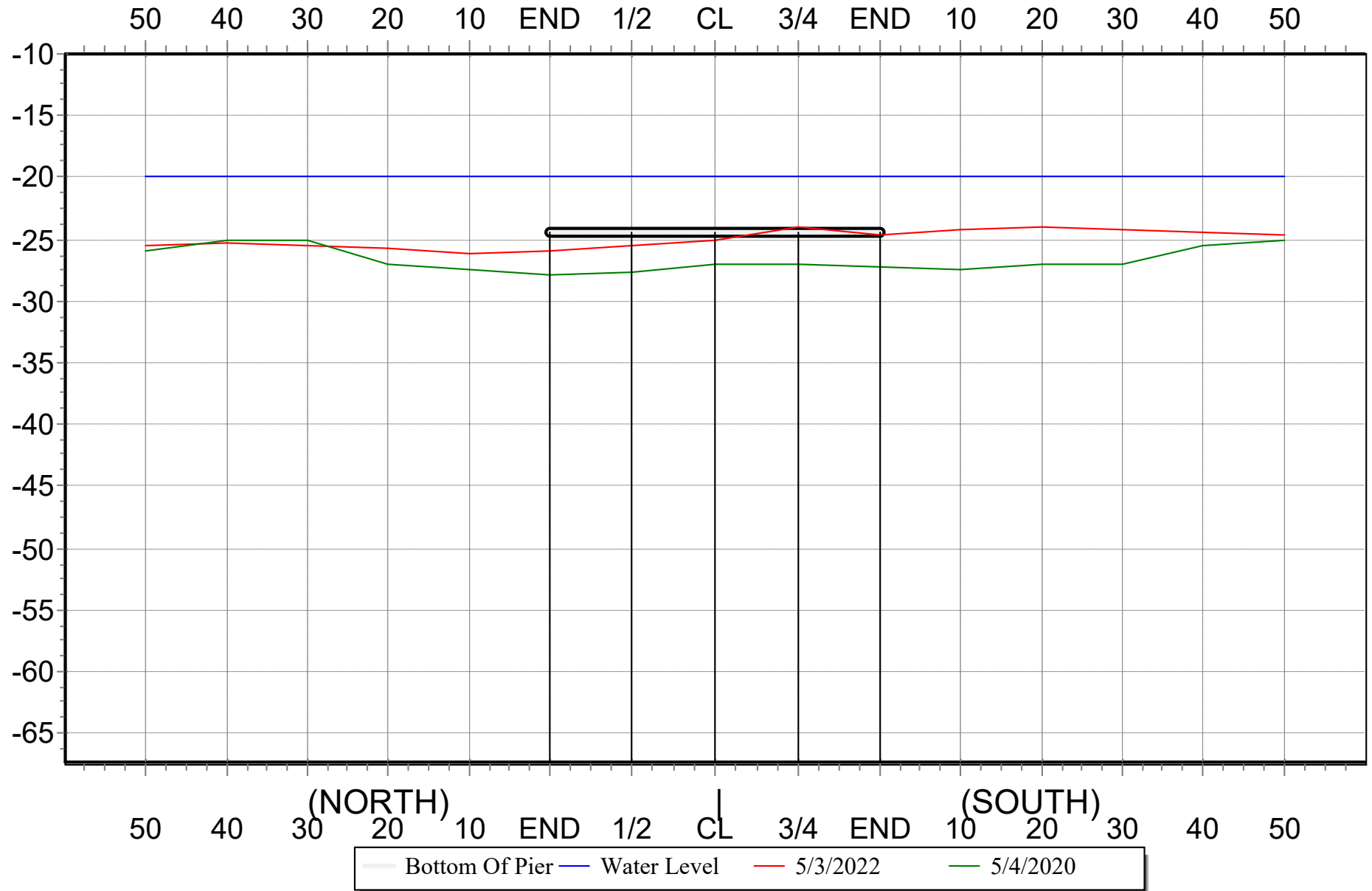


file Along Unit # 4 - EAST ABUTMENT For Bridge No.1279W



Thalweg Profile for 1279W003

Thalweg is in Span No. 2



DeIDOT Bridge Sounding Field Report Sheet

Bridge Number: 1-279W-003 Inspection Date: 5/3/2022 Inspected by: SK/DS

Distance Out From Face Of Bridge					Points Along Substructure Unit					Distance Out From Face Of Bridge				
50'	40'	30'	20'	10'	END	1/4	C/L	3/4	END	10'	20'	30'	40'	50'
Thalweg (deepest points along the channel)														
5.5	5.3	5.5	5.7	6.2	6.0	5.6	5.0	4.1	4.6	4.3	4.1	4.2	4.4	4.6

Spillway Location from "END" of Substructure Unit =

Spillway height (underclearance measurement - distance from water surface to top of spillway) =

Substructure Unit #4 = East Abut.

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Relative North
←

B -4.5 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6

Substructure Unit #3 = Pier 2

A -1.2 -1.5 -2.0 -1.8 -1.7 -1.9 -1.0

B -4.0 -4.5 -4.5 -4.0 -4.0 -4.0 -4.3

Substructure Unit #2 = Pier 1

A -4.0 -4.0 -3.9 -3.2 -3.7 -4.0 -4.1

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Substructure Unit #1 = West Abut.

 = Refer to 'General Notes' about blue blank boxes

Data Measurements Input

Underclearance (Note #1) = 20.0

Abutment width (Note #7) = 52

Bottom of Abutment Footer (Note #2) = 13

Thalweg is in span# = 2

Length of Abutment Piles (Note #3) = 57

Pier width (Note #8) = 20

Bottom of Pier Footer (Note #4) = 24.3

Number of Spans of Bridge = 3

Length of Pier Piles (Note #5) = 43

Abutment sheeting bottom (Note #6) = NO sheeting

Direction looking from Sub. Unit #1 to #4 = E

Datum (Note # E)



1. EAST APPROACH ROADWAY LOOKING WEST



2. NORTH ELEVATION LOOKING SOUTHWEST



3. GENERAL VIEW OF SPAN 3, PIER 2 LOOKING WEST



4. TIDAL LOOKING NORTH



5. TIDAL LOOKING SOUTH FROM BRIDGE 1279E (BOOK)



6. CONCRETE DECK WEARING SURFACE LOOKING WEST



7. SPAN 3, NORTH CONCRETE RAIL EXPOSED PITTED BAR EAST END ON S FACE LOOK N



8. SPAN 3 NORTH CONCRETE RAIL, DEEP SPALL IN SOUTH CURB FACE LOOKING N



9. SPAN 3 STRIP SEAL JOINT HEADER LARGE SPALL IN THE LEFT LANE LOOK DOWN & S



10. SPAN 3 E APPR SLAB LARGE DEEP SPALLS IN ASPHALT OVERLAY AT HEADER LOOK S



11. SPAN 3 NE WING/ RC RAIL SETTLED-TOP ROTATING N ~1-1/4" AT E ABUT LOOK N



12. SPAN 3 POURED JOINT MISSING AT NORTHEAST WINGWALL PARAPET LOOKING N



13. SPAN 2 NORTH CONCRETE RAIL SPALL & EXPOSED BAR ON SOUTH FACE LOOK N



14. SPAN 1 SOUTH CONCRETE RAIL LARGE DEEP SPALL ON NORTHWEST CORNER LOOK E



15. SPAN 1 STRIP SEAL JT HEADER LARGE SPALL RIGHT LN & APPR SLAB ASPH SPALL LOOK N



16. SPAN 1 EROSION HOLES AT NW NORTHWEST WINGWALL LOOKING SOUTH



17. SPAN 1 W ABUT BACKWALL CRACK & RUST STAIN AT NORTH END ON N FACE LOOK S



18. SPAN 1 N FACIA GRDR 1 HAS ~1/4 INCH CORROSION FLAKES ON TOP OF BOT FL LOOK E



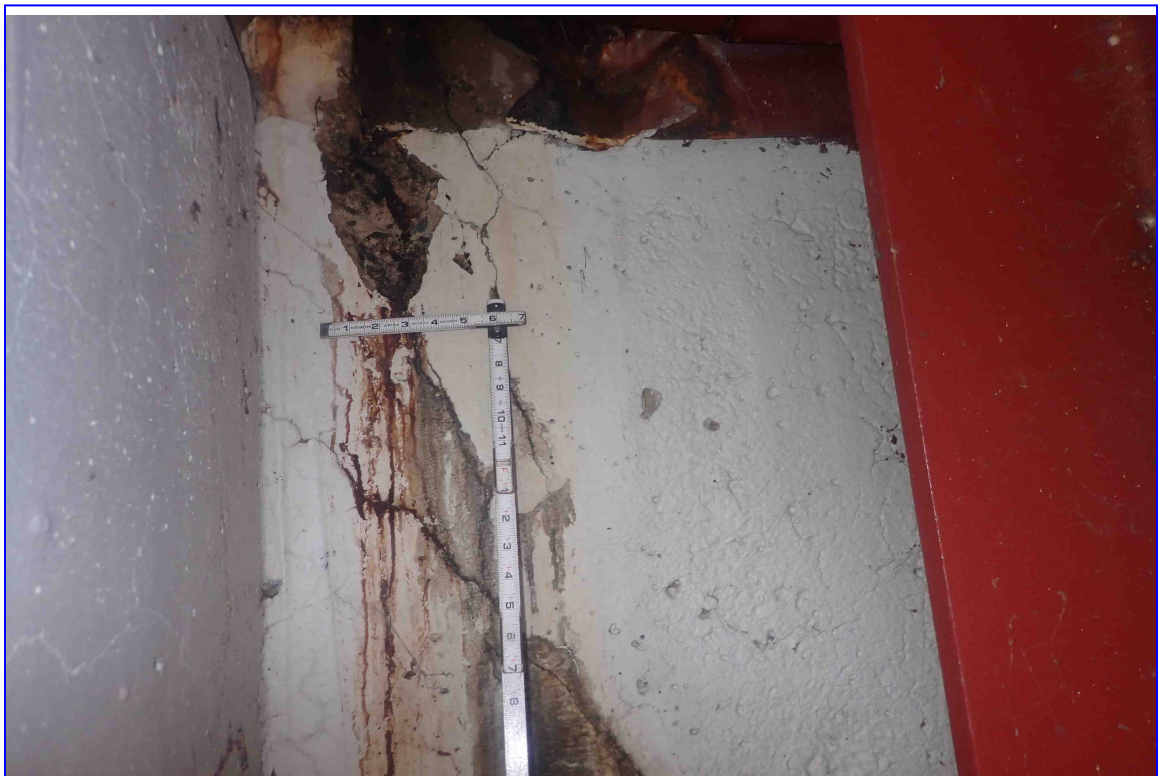
19. SPAN 1 WEST ABUTMENT BREASTWALL RUST STAIN & CRACK ON EAST FACE LOOK W



20. SPAN 1 STRIP SEAL GLAND IS TORN IN LEFT LANE NEAR WHITE LINE LOOK DOWN



21. SPAN 3 EAST ABUTMENT BREASTWALL CRACK & RUST STAIN AT NORTH END LOOK S



22. SPAN 3 E ABUTMENT BACKWALL RUST STAIN, SHALLOW SPALL & CRACK AT N END LOOK E



23. SPAN 3 E PIER 2 MOVE BEAR 1 SEPARATION TEPHLON PL & LG CORROS FLAKES LOOK E

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
5767	01/07/2003	CANAL	23		039629	Hollis Jr,George W	CLOSE	BRIDGE WORK B007-S1H	0	11100.8	Bridge - B008-S1H - Repair/ Reseal Deck Joints	Feet	1	\$410.20
44952	05/03/2004	CANAL	22		042250	Machulski,David G	CLOSE	MOT on Rte.273	1	3199.2	Maintenance of Traffic - All other - Divided Hwy.	Each		\$1,137.03
45178	05/04/2004	CANAL	23		126972	Cattie,Sarah Putnam	CLOSE	Brush trimming around bridge on Rte.273	0	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd	5	\$360.20
147194	08/11/2006	CANAL			118949	Haag Jr,Peter R	CLOSE	Route 273 and Interstate 95 Westbound off ramp						\$0.00
SDY147198	08/11/2006	CANAL			075804	Ball,Erik S	CLOSE	Route 273 and Interstate 95 Westbound off ramp						\$0.00
177453	05/08/2007	CANAL	45		144677	Haggerty,Sonya Marie Poirier	CLOSE	GRAFFITI REMOVAL	0	8350.0	Graffiti Remediation	Hours	0	\$0.00
363499	05/04/2010	CANAL	22	Masten,Joseph G	144677	Haggerty,Sonya Marie Poirier	CLOSE	br: 1-279W-003 / WORK: B055-V1A	3	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd	100	\$1,788.75
912194	05/15/2018	CANAL	10	Moore,Jonathan T	164247	White,Lauren Marie	CLOSE	BR: 1-279W-003 / WORK: B055-V1A	3	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd	0	\$0.00
912299	05/15/2018	CANAL	10	Moore,Jonathan T	164247	White,Lauren Marie	CLOSE	BR: 1-279W-003 / WORK: B007-S1H	3	11100.7	Bridge - B007-S1H - Reseal Deck Joints (Liquid Only)	Feet	15	\$585.10
1061176	05/07/2020	CANAL	10	Kendzierski,Ryan S	196954	Komar,Siarhei N	CLOSE	BR: 1279W003 WORK :B055-V1A	3	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd	0	\$0.00
1205851	05/10/2022	CANAL	45	Komar,Siarhei N	196954	Komar,Siarhei N	WAPPR	BR: 1-279W-003 / WORK :B055-V1A	3	11105.5	Bridge - B055-V1A - Vegetation/ Debris (Removal)	Cube Yd		\$0.00
1205855	05/10/2022	CANAL	45	Komar,Siarhei N	196954	Komar,Siarhei N	WAPPR	BR: 1-279W-003 / WORK : B022-S1D:	2	11102.2	Bridge - B022-S1D - Bituminous Deck Wearing Surface (Repair/ Replace)	Sq Yd		\$0.00
1205857	05/10/2022	CANAL	45	Komar,Siarhei N	196954	Komar,Siarhei N	WAPPR	BR: 1-279W-003 / WORK: B007-S1H:	3	11100.7	Bridge - B007-S1H - Reseal Deck Joints	Feet		\$0.00

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											(Liquid Only)			