

# **BURLINGTON COUNTY BRIDGE COMMISSION**



**SANDRA NUNES, CHAIRWOMAN  
JACLYN M. VEASY, VICE-CHAIRWOMAN  
BRIAN D. WOODS, COMMISSIONER**

## **RIVERSIDE-DELANCO BRIDGE CR 543 OVER RANCOCAS CREEK BRIDGE REHABILITATION (BCBC – 202505)**

### **Supplementary Specifications, Bid and Contract Documents**

**September 2025**

**Pennoni Engineering  
Haddon Heights, NJ**

**Instructions To Bidders**  
**Supplementary Specifications**  
**And**  
**Proposal Documents**  
**For**  
**Riverside-Delanco Bridge**  
**CR 543 Over Rancocas Creek**  
**Bridge Rehabilitation**  
**(BCBC – 202505)**

**Bids Due: December 10, 2025 at 11:00 A.M.**

Name Of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone No.: \_\_\_\_\_ Facsimile No.: \_\_\_\_\_

E-mail: \_\_\_\_\_



# **BURLINGTON COUNTY BRIDGE COMMISSION**

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### **Supplementary Specifications, Bid and Contract Documents**

**September 2025**

**Pennoni Engineering  
Haddon Heights, NJ**

**Burlington County Bridge Commission**

**Proposal And Contract Documents**

**For Contract Titled**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

|  |              |
|--|--------------|
| <b>TABLE OF CONTENTS</b>   | <b>i</b>     |
| <b>PROPOSAL AND CONTRACT DOCUMENTS</b>                               | <b>viii</b>  |
| <b>LIST OF DRAWINGS</b>  | <b>x</b>     |
| <b>SPECIFICATIONS TO BE USED</b>                                     | <b>xiii</b>  |
| <b>SUPPLEMENTARY SPECIFICATIONS</b>                                  | <b>xiii</b>  |
| <b>AMENDMENTS TO STANDARD SPECIFICATIONS</b>                         | <b>xiv</b>   |
| <b>DIVISION 100 – GENERAL PROVISIONS</b>                             | <b>100-1</b> |
| <b>SECTION 101 – GENERAL INFORMATION</b>                             | <b>100-1</b> |
| 101.01 Introduction  | 100-1        |
| 101.03 Terms   | 100-1        |
| 101.04 Inquiries Regarding the Project                               | 100-2        |
| <b>SECTION 102 – BIDDING REQUIREMENTS AND CONDITIONS</b>             | <b>100-4</b> |
| 102.01 Qualification to Bid  | 100-4        |
| 102.02 Bidder Registration and Downloading of the Proposal Documents | 100-5        |
| 102.03 Revisions Before Submitting a Bid                             | 100-5        |
| 102.04 Examination Of Contract and Project Limits                    | 100-6        |
| 102.07 Preparation of the Bid  | 100-6        |
| 102.09 Bid Bond  | 100-6        |
| 102.10 Submission of Bids  | 100-7        |
| 102.11 Withdrawal of Bids  | 100-8        |

|  |                                   |        |
|--|-----------------------------------|--------|
| 102.13   | Consideration of Bids .....       | 100-8  |
| 102.14   | Irregular Bids .....              | 100-8  |
| 102.17   | Pre-Bid Meeting .....             | 100-9  |
| 102.18   | Consent of Surety .....           | 100-9  |
| 102.19   | Selective Bidding .....           | 100-9  |
| <b>SECTION 103 – AWARD AND EXECUTION OF CONTRACT</b> | .....                             | 100-10 |
| 103.01   | Award of Contract .....           | 100-10 |
| 103.02   | Cancellation of Award .....       | 100-10 |
| 103.03   | Release of Bid Bond .....         | 100-10 |
| 103.04   | Execution of the Contract .....   | 100-10 |
| <b>SECTION 104 – SCOPE OF WORK</b>                   | .....                             | 100-12 |
| 104.01   | Intent .....                      | 100-12 |
| 104.02   | Value Engineering .....           | 100-13 |
| 104.02.01  | Purpose and Scope .....           | 100-13 |
| 104.03   | Changes to the Contract .....     | 100-14 |
| 104.03.02  | Protests to Change Orders .....   | 100-14 |
| 104.03.03  | Types of Changes .....            | 100-14 |
| 104.03.08  | Force Account .....               | 100-14 |
| <b>SECTION 105 – CONTROL OF WORK</b>                 | .....                             | 100-16 |
| 105.01   | Authority of the Department ..... | 100-16 |
| 105.01.01  | RE .....                          | 100-16 |
| 105.04   | Plans and Specifications .....    | 100-16 |
| 105.05   | Working Drawings .....            | 100-17 |
| 105.06   | Cooperation with Others .....     | 100-18 |
| 105.08   | Environmental Protection .....    | 100-18 |
| 105.11   | As-Built Drawings .....           | 100-18 |
| <b>SECTION 106 – CONTROL OF MATERIAL</b>             | .....                             | 100-21 |

|  |               |
|--|---------------|
| 106.05 Materials Inspections, Tests and Samples .....  | 100-21        |
| <b>SECTION 107 – LEGAL RELATIONS .....</b>   | <b>100-22</b> |
| 107.01 Legal Jurisdiction .....  | 100-22        |
| 107.01.01 Applicable Law .....   | 100-22        |
| 107.01.02 Permits, Licenses and Approvals .....  | 100-22        |
| 107.02 Equal Employment Opportunity .....  | 100-23        |
| 107.03 Affirmative Action, Disadvantaged Business Enterprises, or Emerging Small<br>Business Enterprise and Small Business Enterprises ..... | 100-27        |
| 107.07 Assignment .....  | 100-29        |
| 107.11 Risks Assumed by the Contractor .....   | 100-29        |
| 107.11.01 Risks .....  | 100-29        |
| 107.12 The Contractual Claim Resolution Process .....  | 100-29        |
| 107.13 Litigation of Claims by the Contractor .....  | 100-30        |
| 107.15 Taxes .....   | 100-32        |
| 107.18 United States Coast Guard Requirements .....  | 100-32        |
| 107.19 Internal Security .....   | 100-38        |
| 107.20 Resolution of Disputes .....  | 100-41        |
| 107.21 Project Labor Agreement .....   | 100-41        |
| <b>SECTION 108 – PROSECUTION AND COMPLETION .....</b>  | <b>100-42</b> |
| 108.01 Subcontracting .....  | 100-42        |
| 108.02 Commencement of Work .....  | 100-43        |
| 108.03 Daily Communications .....  | 100-45        |
| 108.04 Work Site and Storage .....   | 100-46        |
| 108.05 Sanitary and Safety Provisions .....  | 100-46        |
| 108.05.02 Safety Program .....   | 100-46        |
| 108.05.02 3. Elements of the Program .....   | 100-47        |
| 108.06 Night Operations .....  | 100-47        |

|   |               |
|---|---------------|
| 108.08 Lane Occupancy Charges .....                                     | 100-48        |
| 108.09 Maintenance Within the Project Limits .....                      | 100-48        |
| 108.10 Contract Time .....  | 100-49        |
| 108.16 Partial Acceptance .....   | 100-49        |
| 108.20 Liquidated Damages .....   | 100-49        |
| 108.21 Warranties .....   | 100-50        |
| 108.22 Liquidated Damages for Deterring Vehicular Traffic .....         | 100-50        |
| 108.23 Limitation of Operations .....                                   | 100-51        |
| 108.24 Unusual Site Conditions .....                                    | 100-51        |
| 108.25 Schedule of Submittals Required .....                            | 100-52        |
| 108.26 Submittals .....   | 100-54        |
| 108.27 Preconstruction Meeting .....                                    | 100-55        |
| 108.28 Progress Meetings .....  | 100-55        |
| <b>SECTION 109 – MEASUREMENT AND PAYMENT .....</b>                      | <b>100-56</b> |
| 109.01 Measurement of Quantities .....                                  | 100-56        |
| 109.03 Payment for Force Account .....                                  | 100-56        |
| 109.05 Estimates .....  | 100-56        |
| 109.06 Material Payments and Storage .....                              | 100-57        |
| 109.10 Contractor’s Compliance .....                                    | 100-57        |
| 109.11 Final Payment and Claims .....                                   | 100-57        |
| 109.12 Ethics Standards and Conflict of Interest .....                  | 100-58        |
| 109.13 Payment Procedure .....  | 100-58        |
| 109.14 Contractor’s Compliance with Subsections 107.02 and 107.03 ..... | 100-58        |
| <b>DIVISION 150 – CONTRACT REQUIREMENTS .....</b>                       | <b>150-1</b>  |
| <b>SECTION 151 – PERFORMANCE BOND AND PAYMENT BOND .....</b>            | <b>150-1</b>  |
| 151.03.01 Performance Bond and Payment Bond .....                       | 150-1         |
| <b>SECTION 152 – INSURANCE .....</b>                                    | <b>150-2</b>  |

|   |               |
|---|---------------|
| 152.03.01 Owner's and Contractor's Protective Liability Insurance ..... | 150-2         |
| 152.04 Measurement and Payment .....                                    | 150-4         |
| <b>SECTION 153 – PROGRESS SCHEDULE .....</b>                            | <b>150-5</b>  |
| 153.01 Description .....  | 150-5         |
| 153.04 Measurement and Payment .....                                    | 150-5         |
| <b>SECTION 154 – MOBILIZATION .....</b>                                 | <b>150-6</b>  |
| 154.04 Measurement and Payment .....                                    | 150-6         |
| <b>SECTION 155 – CONSTRUCTION FIELD OFFICE .....</b>                    | <b>150-7</b>  |
| <b>SECTION 156 – MATERIALS FIELD LABORATORY AND CURING FACILITY .</b>   | <b>150-8</b>  |
| <b>SECTION 157 – CONSTRUCTION LAYOUT AND MONUMENTS .....</b>            | <b>150-9</b>  |
| 157.03 Procedure .....  | 150-9         |
| 157.03.01 Construction Layout .....                                     | 150-9         |
| 157.04 Measurement and Payment .....                                    | 150-9         |
| <b>SECTION 159 – TRAFFIC CONTROL .....</b>                              | <b>150-10</b> |
| 159.01 Description .....  | 150-10        |
| 159.03.02 Traffic Control Devices .....                                 | 150-10        |
| 159.03.08 Traffic Direction .....                                       | 150-11        |
| 159.03.09 Emergency Towing Service .....                                | 150-11        |
| 159.03.10 Traffic Control Plan (TCP) .....                              | 150-11        |
| 159.03.11 Operational Constraints .....                                 | 150-12        |
| 159.04 Measurement and Payment .....                                    | 150-13        |
| <b>SECTION 160 – PRICE ADJUSTMENTS .....</b>                            | <b>150-14</b> |
| 160.03 Procedure .....  | 150-14        |
| 160.03.01 Fuel Price Adjustment .....                                   | 150-14        |
| <b>DIVISION 500 – BRIDGES AND STRUCTURES .....</b>                      | <b>500-1</b>  |
| <b>SECTION 506 – STRUCTURAL STEEL .....</b>                             | <b>500-1</b>  |

|  |               |
|--|---------------|
| 506.03 Construction .....  | 500-1         |
| 506.03.01 Structural Steel .....   | 500-1         |
| 506.03.06 Cleaning and Painting .....  | 500-2         |
| 506.04 Measurement and Payment .....   | 500-3         |
| <b>SECTION 507 – CONCRETE BRIDGE DECK, BRIDGE PARAPET, AND APPROACHES.....</b> | <b>500-6</b>  |
| 507.01 Description .....   | 500-6         |
| 507.02 Materials .....   | 500-6         |
| 507.02.01 Materials.....   | 500-6         |
| 507.04 Measurement and Payment .....   | 500-6         |
| <b>SECTION 510 – TIMBER STRUCTURES .....</b>                                   | <b>500-7</b>  |
| 510.01 Description .....   | 500-7         |
| 510.02 Materials .....   | 500-7         |
| 510.04 Measurement and Payment .....   | 500-7         |
| <b>SECTION 511 – BULKHEAD, FENDER, AND DOLPHIN SYSTEMS.....</b>                | <b>500-8</b>  |
| 511.01 Description .....   | 500-8         |
| 511.03 Construction.....   | 500-8         |
| 511.03.02 Timber Fender .....  | 500-8         |
| 511.04 Measurement and Payment .....   | 500-8         |
| <b>SECTION 515 – SPAN BALANCING .....</b>                                      | <b>500-10</b> |
| 515.01 Description .....   | 500-10        |
| 515.02 Materials .....   | 500-10        |
| 515.03 Construction.....   | 500-10        |
| 515.04 Measurement and Payment .....   | 500-13        |
| <b>DIVISION 550 – STRUCTURE REHABILITATION .....</b>                           | <b>550-1</b>  |
| <b>SECTION 551 – BRIDGE DECK REHABILITATION .....</b>                          | <b>550-1</b>  |
| 551.01 Description .....   | 550-1         |

|  |               |
|--|---------------|
| 551.02 Materials .....   | 550-1         |
| 551.02.01 Materials.....   | 550-1         |
| 551.02.01.01 Certification of Compliance .....                               | 550-1         |
| 551.02.02 Equipment.....   | 550-2         |
| 515.03 Construction .....  | 550-3         |
| 515.03.01 Concrete Deck Repair.....  | 550-3         |
| 515.03.02 Polyester Polymer Concrete (PPC).....                              | 550-5         |
| 515.03.03 Steel Grid repair .....  | 550-10        |
| 515.04 Measurement and Payment .....   | 550-10        |
| <b>SECTION 554 – PAINTING EXISTING BRIDGES .....</b>                         | <b>550-12</b> |
| 554.01 Description .....   | 550-12        |
| 554.02 Materials .....   | 550-13        |
| 554.02.01 Materials.....   | 550-13        |
| 554.03 Construction .....  | 550-17        |
| 554.03.01 Pollution Control System .....                                     | 550-17        |
| 554.03.02 Cleaning and Painting .....  | 550-17        |
| 554.03.02 A. Protection of Environment, Structure, Person and Property ..... | 550-22        |
| 554.03.02 B.1 Cleaning, Hand or Power Tool Cleaning .....                    | 550-22        |
| 554.03.02 B.2 Cleaning, Blast Cleaning .....                                 | 550-23        |
| 554.03.02 C. Waste Disposal .....  | 550-24        |
| 554.03.02 E.5 Coating Thickness .....  | 550-25        |
| 554.04 Measurement and Payment .....   | 550-25        |
| <b>DIVISION 600 – MISCELLANEOUS CONSTRUCTION .....</b>                       | <b>600-1</b>  |
| <b>SECTION 612 – SIGNS .....</b>   | <b>600-1</b>  |
| 600.03 Construction .....  | 600-1         |
| 612.03.04 Waterway Signs .....   | 600-1         |
| 612.04 Measurement and Payment .....   | 600-1         |



|   |              |
|---|--------------|
| 617.03 Operational Constraints .....          | 600-2        |
| 617.04 Nighttime Operations .....             | 600-2        |
| <b>DIVISION 700 – ELECTRICAL .....</b>        | <b>700-1</b> |
| <b>SECTION 701 – GENERAL ITEMS .....</b>      | <b>700-1</b> |
| 701.03 Construction .....                     | 700-1        |
| 701.03.01 Existing Systems .....              | 700-1        |
| 701.04 Measurement and Payment .....          | 700-1        |
| <b>DIVISION 900 – MATERIAL .....</b>          | <b>900-1</b> |
| <b>SECTION 903 – CONCRETE .....</b>           | <b>900-1</b> |
| 903.11 POLYESTER POLYMER CONCRETE (PPC) ..... | 900-1        |

## **PROPOSAL AND CONTRACT DOCUMENTS**

|   |             |
|---|-------------|
| NOTICE TO BIDDERS .....   | N1-N3       |
| PROPOSAL AND SCHEDULE OF BID PRICES .....   | P1-P3       |
| BID BOND .....  | BB1-BB2     |
| CONSENT OF SURETY .....   | CS1         |
| SURETY DISCLOSURE STATEMENT AND CERTIFICATION .....                                     | SD1-SD3     |
| CONTRACT .....  | C1-C5       |
| PERFORMANCE BOND .....  | PRB1-PRB2   |
| PAYMENT BOND .....  | PYB1-PYB2   |
| MAINTENANCE BOND .....  | MB1-MB2     |
| INSPECTION AFFIDAVIT .....  | IA1         |
| NON-COLLUSION AFFIDAVIT .....   | NCA1        |
| HOLD HARMLESS/INDEMNIFICATION AGREEMENT .....   | HH1         |
| AFFIRMATIVE ACTION QUESTIONNAIRE .....  | AAQ1        |
| OWNERSHIP DISCLOSURE .....  | OD1-OD4     |
| RESPONSIBLE CONTRACTOR CERTIFICATION .....  | RCC1-RCC2   |
| DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN .....                                       | DIA11-DIA13 |
| CERTIFICATION OF NON-INVOLVEMENT IN PROHIBITED ACTIVITIES IN RUSSIA<br>OR BELARUS ..... | NIRB1-NIRB2 |
| PREVAILING WAGE RATE DETERMINATION NJ DEPT OF LABOR .....                               | PW1         |
| PROJECT LABOR AGREEMENT .....   | PLA1-PLA35  |
| BRIDGE OPENING REPORT FOR 9/2024 – 8/2025 .....   | 1-20        |

## **END OF TABLE OF CONTENTS**

# CONTRACT DRAWINGS

### List Of Drawings

| <u>Drawing No.</u>   | <u>Title</u>  | <u>Sheet No.</u> |
|----------------------|---|------------------|
|                      | TITLE SHEET   | 1                |
| G-1                  | INDEX OF DRAWINGS   | 2                |
| G-2                  | GENERAL NOTES - 1   | 3                |
| G-3                  | GENERAL NOTES - 2   | 4                |
| G-4                  | GENERAL PLAN AND ELEVATION  | 5                |
| G-5                  | REPAIR SCEHDULE AND ESTIMATED QUANTITIES - 1                                | 6                |
| G-6                  | REPAIR SCEHDULE AND ESTIMATED QUANTITIES - 2                                | 7                |
| G-7                  | GENERAL REPAIR LOCATION PLAN - 1  | 8                |
| G-8                  | GENERAL REPAIR LOCATION PLAN - 2  | 9                |
| G-9                  | GENERAL REPAIR LOCATION PLAN - 3  | 10               |
| <b>STEEL REPAIRS</b> |   |                  |
| S-1                  | R1 - DELANCO SPAN BOLSTER REPLACEMENT DETAILS - 1                           | 11               |
| S-2                  | R1 - DELANCO SPAN BOLSTER REPLACEMENT DETAILS - 2                           | 12               |
| S-3                  | R2 - SWING SPAN SIDEWALK FLOORBEAM L10 REPAIR DETAILS                       | 13               |
| S-4                  | R3 – SWING SPAN WEST TRUSS BETWEEN L2 AND L4 CLOSURE PLATE SUPPORTING ANGLE | 14               |
| S-5                  | R4 - SWING SPAN EAST TRUSS RAILING REPAIR DETAIL                            | 15               |
| S-6                  | R5 - SWING SPAN STRINGER S1 AT L0 REPAIR DETAILS                            | 16               |
| S-7                  | R6 - DELANCO SPAN STRINGER S6 AT L0' REPAIR DETAILS                         | 17               |
| S-8                  | R7 - SWING SPAN STRINGER REPAIR DETAILS                                     | 18               |
| S-9                  | R8 - SWING SPAN L0W MOUNTING BOLTS WEDGE REPAIR DETAILS                     | 19               |
| S-10                 | R9 - RIVERSIDE SPAN L4'W BOLT REPLACEMENT DETAILS                           | 20               |
| S-11                 | R10 - RIVERSIDE SPAN L2' WELD REPAIR DETAILS                                | 21               |
| S-12                 | R11 - SWING SPAN L4W BOLT REPLACEMENT                                       | 22               |
| S-13                 | R12 - RIVERSIDE SPAN STIFFENER PLATE REPLACEMENT DETAILS                    | 23               |
| S-14                 | R13 - SWING SPAN TRUSS REPAIR DETAILS - 1                                   | 24               |
| S-15                 | R13 - SWING SPAN TRUSS REPAIR DETAILS - 2                                   | 25               |
| S-16                 | R14 - RIVERSIDE SPAN TRUSS REPAIR DETAILS                                   | 26               |
| S-17                 | R15 - SWING SPAN L0'E MOUNTING BOLTS WEDGE REPAIR DETAILS                   | 27               |
| S-18                 | R16 - SWING SPAN DECK REPAIR DETAILS  | 28               |

| <u>Drawing No.</u> | <u>Title</u>   | <u>Sheet No.</u> |
|--------------------|--|------------------|
| BRIDGE PAINTING    |  |                  |
| P-1                | BRIDGE PAINTING - TYPICAL CROSS SECTIONS             | 29               |
| P-2                | BRIDGE PAINTING - GIRDER ELEVATION                   | 30               |
| P-3                | BRIDGE PAINTING - HANDRAIL DETAIL                    | 31               |
| P-4                | BRIDGE PAINTING - CENTER PIER PLAN VIEW AND SECTIONS | 32               |
| P-5                | BRIDGE PAINTING - MACHINERY ELEVATION AND SECTIONS   | 33               |
| FENDER REPAIRS     |  |                  |
| F-1                | FENDER REPAIRS - KEY PLAN                            | 34               |
| F-2                | FENDER REPAIRS - EXISTING CONDITION PHOTOS           | 35               |
| F-3                | FENDER REPAIRS - CENTER PIER PLAN AND DETAILS        | 36               |
| F-4                | FENDER REPAIRS - CENTER PIER REPAIR DETAILS          | 37               |
| F-5                | FENDER REPAIRS - PIER A PLAN AND DETAILS             | 38               |
| F-6                | FENDER REPAIRS - PIER B PLAN AND DETAILS             | 39               |

ALSO INCLUDED:

BURLINGTON COUNTY BRIDGE COMMISSION MAJOR AND MINOR BRIDGE  
TRAFFIC CONTROL PLANS – RIVERSIDE-DELANCO BRIDGE  
(4 SHEETS TCP-5 THRU TCP-8) PREPARED BY CME ASSOCIATES

### **END OF LIST OF DRAWINGS**

# CONTRACT SPECIFICATIONS

# **Burlington County Bridge Commission**

## **Contract Specifications** **For Contract Titled** **Riverside-Delanco Bridge** **CR 543 Over Rancocas Creek** **Bridge Rehabilitation**

### **INTRODUCTION**

#### **Specifications To Be Used**

The 2019 Standard Specifications for Road and Bridge Construction (U.S. Customary English Units) including all current Baseline Document Changes of The New Jersey Department of Transportation (NJDOT), hereinafter referred to as Standard Specifications, and amendments made to the Standard Specifications herein, shall govern the construction of this Project, the execution of the Contract, and performance under said Contract.

The attention of the Bidders is specifically directed to the provisions of such Standard Specifications, which are hereby made a part hereof, as if fully set forth at length herein.

#### **Supplementary Specifications**

In the Supplementary Specifications references are made to, and portions are taken from, the following Specifications, the latest revisions to apply. In the event that a newer edition for any specific specification is in effect at the time of the project bid, then that edition governs regardless of what is listed on this and the following page.

Manual on Uniform Traffic Control Devices for Streets and Highways, Federal Highway Administration, Washington, D.C., (MUTCD).

Standards of the American Society for Testing and Materials, (ASTM).

Standard Specifications for Highway Bridges; Standard Specifications for Movable Highway Bridges; and Standard Specifications for Transportation Materials and Methods of Sampling and Testing; American Association of State Highway and Transportation Officials, (AASHTO).

Bridge Welding Code – AWS D1.5, a joint publication of the American Association of State Highway and Transportation Officials, (AASHTO); the American Welding Society, (AWS); and the American National Standards Institute, (ANSI).

Steel Structures Painting Manual, Volume 1, Good Painting Practice, Third Edition, SSPC, Pittsburgh.

Steel Structures Painting Manual, Volume 2, Systems and Specifications, Seventh Edition, SSPC, Pittsburgh.

Industrial Lead Paint Removal Handbook, 2<sup>nd</sup> Edition, SSPC/KTA-Tator, Inc.

### **Amendments To Standard Specifications**

The following clauses represent modifications to the corresponding Subsections of the Standard Specifications, and relate exclusively to this Contract. In the event there are conflicting requirements between the Standard Specifications and these modifications, these modifications shall govern. Any applicable provision in the Standard Specifications not amended herein and not in conflict with the Supplementary Specifications shall be understood to be in full effect.

This contract shall be governed by and construed in accordance with the laws of the State of New Jersey, including the Local Public Contracts Law of the State of New Jersey (**N.J.S.A. 40A:11-1.1** et seq. and **N.J.A.C. 5:34-1** et seq.) and the Uniform Commercial Code (UCC). The Local Public Contracts Law takes precedence whenever there are differences as stated in the Standard Specifications.

### **END OF INTRODUCTION**



## **DIVISION 100 – GENERAL PROVISIONS**

**Burlington County Bridge Commission**

**Supplementary Specifications**

**For Contract Titled**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

**DIVISION 100 – GENERAL PROVISIONS**

**SECTION 101 – GENERAL INFORMATION**

**101.01 Introduction**

Add the following to this Subsection:

The terms State, Department, Commissioner, Engineer, RE and other officials or employees of the New Jersey Department of Transportation, as defined or referred to in the Standard Specifications, or in these Supplementary Specifications, or pronouns used in place of them, shall be construed to refer to the COMMISSION and its officers, employees and authorized representatives.

**101.03 Terms**

**BIDDER** Replace with the following:

The term “Bidder” means an individual, partnership, firm, corporation, or any acceptable combination thereof, acting directly or through a duly authorized representative, legally submitting a bid for the work.

**TESTING AGENCY** Add the following:

The firm or individual approved by the Burlington County Bridge Commission for the inspection and testing of the materials to be used on or in the project.

Add the following Terms to this Subsection:

**COMMISSION**

The Burlington County Bridge Commission, Administration Building, 1300 Route 73 North, Palmyra, New Jersey 08065.

**CONSTRUCTION SEASON**

The term “Construction Season” refers to a period of construction activities as is described in Subsection 108.10.

#### DIRECTOR OF ENGINEERING

Director of Engineering of the Burlington County Bridge Commission or any of its Authorized Representatives limited to the particular duties entrusted to them.

#### CONTRACTING OFFICER

Contracting Officer of the Burlington County Bridge Commission or any of his Authorized Representatives limited to the particular duties entrusted to them.

ENGINEER Modify the first paragraph to read as follows:

The term “Engineer” means the Consulting Engineer for the Burlington County Bridge Commission or their authorized representative. The Consulting Engineer currently for this Contract is:

Joe Habboush, PE  
515 Grove Street, Suite 1B  
Hadden Heights, NJ 08035

#### EXECUTIVE DIRECTOR

Executive Director of the Burlington County Bridge Commission, or any authorized representatives limited to the particular duties entrusted to them.

#### PROCUREMENT OFFICER

Procurement Officer of the Burlington County Bridge Commission or any of its authorized representatives limited to the particular duties entrusted to them.

#### PURCHASING AGENT

Purchasing Agent of the Burlington County Bridge Commission or any of its authorized representatives limited to the particular duties entrusted to them.

### **101.04 Inquiries Regarding the Project**

Add the following to this Subsection and delete all conflicting provisions:

Submit inquiries regarding the project in writing to the Director of Projects & Engineering for the Burlington County Bridge Commission.

Burlington County Bridge Commission  
Attention: Michael Ott, Director of Projects & Engineering  
P.O. Box 6

1325 Route 73  
 Palmyra, New Jersey 08065  
 Phone Number: (856) 829-1900, Extension 1300  
 Fax Number: (856) 829-5205  
 E-Mail Address: [mott@bcbridges.org](mailto:mott@bcbridges.org)

A copy of all correspondence related to any inquiry which is addressed to the Michael Ott, Director of Projects & Engineering shall also be sent to the Engineer. The Engineer for this contract is:

Pennoni  
 Attention: Joe Habboush, PE  
 515 Grove Street, Suite 1B  
 Hadden Heights, NJ 08035  
 Phone Number: (215) 254-7873  
 E-Mail Address: [ehabboush@pennoni.com](mailto:ehabboush@pennoni.com)

All inquiries are to be made in writing and must be submitted no later than ten (10) business days, not including holidays or weekends, prior to the bid opening which would be November 21, 2025. Any inquiries received after that date shall not be responded to. All responses to the inquiries within the specific time period shall be shared with all obtainers of the Bid Documents. The responses shall either be in the form of an Addendum or a Clarification.

If any prospective Bidder on the proposed contract is in doubt as to the true meaning of any part of the Contract Drawings, Supplementary Specifications or other Contract Documents, the bidder may submit a written request for an interpretation thereof to the e-mail address, fax number listed above or by certified mail. In conformance with Subsection 102.03 Revisions Before Submitting a Bid, each Bidder must acknowledge receipt of all Addenda. If the Acknowledgement is not received prior to or at the bid opening, any Bidder failing to acknowledge shall have their bid automatically rejected.

### **END OF SECTION 101**

## **SECTION 102 – BIDDING REQUIREMENTS AND CONDITIONS**

### **102.01 Qualification to Bid**

Modify this Subsection as follows:

To 1. add the following at the end of this subsection and delete all conflicting provisions:

Bidders shall be qualified under NJDOT work type classification, 41 Moveable Bridge Installation/Rehabilitation for the main tasks as described in Section 104 – Scope of Work. The remaining work tasks shall be performed by the Bidder, if qualified or by qualified Subcontractors. Bidders and/or Subcontractor performing fender work shall be qualified under NJDOT work type classification 4A Bridge Fender Systems and Bulkheads. Bidders and/or Subcontractor performing Painting work shall be qualified under NJDOT work type classification 4K Painting. Bidders are reminded of the percentage of the work which is permitted to be subcontracted in accordance with Subsection 108.01 Subcontracting.

Bids will be accepted only from those Contractors when in the judgment of the Commission, have presented sufficient evidence that the Bidder is qualified to perform the required work.

All Subcontractors shall also be qualified under the appropriate NJDOT work type classification.

Delete 2. In its entirety without replacement

Add the following in Item 2:

Bidders must complete and submit the Responsible Contractor Certification form bound with the Contract Documents.

Add the following at the end of this Subsection:

As of February 20, 2020, any person that is debarred at the federal level from contracting with a federal government agency shall be debarred from contracting for any public work in the state. This law applies to the construction of buildings, roads and bridges at the expense of the public. See Public Law 2019, c. 406, codified at **N.J.S.A. 52:32-44.1**.

Prior to awarding any contract for public work, a person must provide written certification to the contracting agency that neither the person nor the person's affiliates are debarred at the federal level from contracting with a federal government agency. The contracting agency shall not make, negotiate, or award a contract for public work to any person that does not provide such written certification as required by this subsection. The contracting agency shall verify the certification by consulting the federal System for Award Management, or its successor, prior to awarding a contract for public work.

Bidders are reminded of the requirements in **N.J.S.A. 19:44-20.27**: "Any business entity making a contribution of money or any other thing of value, including an in-kind contribution, or pledge to make a contribution of any kind to a candidate for or the holder of any public office having ultimate responsibility for the awarding of public contracts, or to a political committee or continuing political committee, which has received in any calendar year \$50,000 or more in the aggregate through agreements or contracts with a public entity, shall file an annual disclosure statement with the New Jersey Election Law Enforcement Commission, established pursuant to section 5 of P.L.1973, c.83 (C.19:44A-5), setting forth all such contributions made by the business entity during the 12 months prior to the reporting deadline."

### **102.02 Bidder Registration and Downloading of the Proposal Documents**

Delete this Subsection in its entirety and substitute with the following:

Bid packages include the Contract Drawings, Supplementary Specifications, Proposal Forms, and Contract Documents for the work are available at no cost electronically on the Commission's website [www.bcbridges.org](http://www.bcbridges.org). From the home page, click on Public Information and then Purchasing. At the bottom of the screen, the project is listed in the Bids, RFPs, RFQs table. First time users are required to register to view any documents other than the Advertisement. Those already registered are to log on with their Username and Password. Any questions regarding the registration process are to be directed to [helpdesk@bcbridges.org](mailto:helpdesk@bcbridges.org). Print format of the bid package, pursuant to the New Jersey Open Public Records Act established rates, is available at the Engineering Office at the Burlington County Bridge Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey 08065.

### **102.03 Revisions Before Submitting a Bid**

Delete this Subsection in its entirety and substitute the following:

If any revisions or addenda are required to be issued, all prospective Bidders of record will be notified in accordance with **N.J.S.A. 40A:11-23** et seq. Bidders shall be notified by certified mail, certified facsimile transmission or by next day delivery service. Each Bidder must acknowledge receipt of revisions or addenda prior to or at the time of the bid opening. **The failure to submit the acknowledgement shall be deemed a fatal defect that shall render the bid proposal unresponsive.**

#### **102.04 Examination of Contract and Project Limits**

Delete this Subsection in its entirety and substitute with the following:

Before submitting the proposal, it shall be the Bidder's responsibility to determine that the complete set of the project's Supplementary Specification, Bid and Contract Documents and Contract Drawings where applicable have been received.

Design plans for the existing bridge construction are on file in the Office of the Engineer.

Prints of necessary existing plans will be furnished to the successful Bidder as may be required. The Commission assumes no responsibility for the completeness of these plans or for the accuracy of dimensions which may be shown on these plans. The Contractor shall verify the dimensions of the existing structure as they may affect the work of this Contract.

Before submitting a bid, each Bidder shall be required to adequately visit the site of the work at any time during the bidding period in order to fully ascertain the condition of the structure, possible means of access to and egress from different portions of the structure, and to gather other information relative to the proposed work. The Bidder should contact Michael Ott, Director of Projects & Engineering for the Commission at 856-829-1900 Ext. 1300 to make the necessary arrangements. In the event the Bidder's site examination reveals that the site conditions are inconsistent with the Contract Documents, the Bidder shall immediately notify the Engineer.

Each Bidder shall execute a sworn Inspection Affidavit, bound with the Contract Documents, to affirm that the Bidder has inspected the project sites and related structures. Failure to submit such Affidavit with the Bid shall result in rejection of the Proposal.

#### **102.07 Preparation of the Bid**

Delete this Subsection in its entirety without replacement

#### **102.09 Bid Bond**

Delete the second paragraph of this Subsection in its entirety and substitute the following:

The Proposal, when submitted, shall be accompanied by a certified check or cashier's check payable to the order of the Burlington County Bridge Commission, or by a Bid Bond from a surety company licensed to conduct business in the State of New Jersey, in the form bound with these Supplementary Specifications. The amount shall be the lesser of ten percent (10%) of the total Bid Price or \$20,000. **The failure to submit the Bid Bond shall be deemed a fatal defect that shall render the bid proposal unresponsive.**

### **102.10 Submission of Bids**

Delete this Subsection in its entirety and substitute with the following:

**Sealed bids shall be received by the Burlington County Bridge Commission until 11:00 A.M. on December 10, 2025, at which time said bids shall be publicly opened and read aloud in the Engineering Office of the Burlington County Bridge Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey 08065.**

Bids shall be enclosed in a sealed envelope addressed to the Engineering Office of the Burlington County Bridge Commission, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey, 08065-1090, with the FRONT of envelope plainly marked with name and address of Bidder and "Contract For Bridge Rehabilitation BCBC – 202505." One (1) copy of the bid forms properly signed is required to be submitted. Official bid forms are enclosed and **MUST BE USED** when submitting the proposal. Enclosed in the sealed envelope with the Proposal and Schedule of Bid Prices should be the following:

- (1) The Bid Bond\* as described in Subsection 102.09 on the attached form,
- (2) A completed Consent of Surety\* on the attached form,
- (3) A completed Inspection Affidavit on the attached form,
- (4) A Non-Collusion Affidavit on the attached form,
- (5) A completed Hold Harmless/Indemnification Agreement on the attached form,
- (6) A completed Affirmative Action Questionnaire on the attached form,
- (7) A completed Ownership Disclosure\* on the attached form,
- (8) A completed Responsible Contractor Certification on the attached form,
- (9) Prequalification documents including experience profile, etc., or the New Jersey State Prequalification letter indicating the category and size of projects for which the Bidder is qualified,
- (10) Copy of Public Works Contractor Registration Certificate as required by **N.J.S.A. 34.11-56.48** et seq. Contractors must be registered to submit a bid. The certificate may be included with the bid but is not required to accompany the bid. The certificate must be supplied prior to award of the contract,
- (11) N.J. Business Registration Certificate as required by **N.J.S.A. 52:32-44** et seq. (and may be submitted prior to the issuance of the Notice of Award),
- (12) A completed Disclosure of Investment Activities in Iran on the attached form. This disclosure may be included with the bid, but is not required to accompany the bid. The disclosure must be supplied prior to award of the contract,



- (13) A completed Certification of Non-Involvement in Prohibited Activities in Russia or Belarus on the attached form. This disclosure may be included with the bid but is not required to accompany the bid. The disclosure must be supplied prior to the award of the contract,
- (14) A completed Certification of Non-Debarment for Federal Government Contracts on the attached form. This disclosure may be included with the bid but is not required to accompany the bid. The disclosure must be supplied prior to the award of the contract,
- (15) If applicable, the Addendum(s) Acknowledgement Page(s)\*

**\*The failure to submit these documents shall be deemed a fatal defect that shall render the bid proposal unresponsive.**

Bidders are reminded of Subsection 102.08 Balanced Bids of the Standard Specifications which states “the Bidder shall reflect in the bid price for each Item the cost the Bidder anticipates incurring for the performance of that Item, together with a proportional share of the Bidder’s anticipated profit, overhead, and costs to perform work for which no Item is provided.”

By submitting a Proposal, the Bidder covenants and agrees that the Bidder has investigated the site and is aware of the conditions to be met, that the Bidder fully understands the obligations and that the Bidder will not make any claim for, or have right to cancellation or relief, without penalty of the Contract, because of any misunderstanding or lack of information.

### **102.11 Withdrawal of Bids**

Delete this Subsection in its entirety and substitute the following:

Withdrawal of bids shall be permitted in accordance with **N.J.S.A. 40A:11-23.3**.

### **102.13 Consideration of Bids**

Add the following to this Subsection after the first paragraph:

The Commission shall “correct” certain types of clerical errors in the submitted bids. For example, if the quantity needed or the standard unit of measurement used, times the unit price, is incorrectly calculated in reaching a total or final price, the Commission shall correct the computational mistake.

### **102.14 Irregular Bids**

Add the following to this Subsection after the first paragraph:

The Commission reserves the right to waive minor immaterial defects or informalities in any bid or to reject all bids not in accord with the Advertisement or Specifications, or for any other irregularities, or if the price for the work is excessively above the estimated cost, in accordance with applicable law. The Contract will be awarded to the lowest responsible Bidder.

**102.17 Pre-Bid Meeting****(New Subsection Added)**

The Burlington County Bridge Commission will hold a pre-bid meeting concerning this contract, titled, Bridge Rehabilitation

The meeting will be held at the Office of the Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey at 10:00 A.M. on October 8, 2025. While not mandatory, attendance at the meeting is encouraged.

**102.18 Consent of Surety****(New Subsection Added)**

As required by **N.J.S.A. 40A:11-22**, a Consent of Surety must be submitted with each bid. The surety company bonds, Performance and Payment Bonds, along with the Surety Disclosure Statement and Certification shall meet the requirements specified in Subsection 151.03 Performance Bond and Payment Bond of these Supplementary Specifications.

The Consent of Surety must be submitted to the Commission on the form located on page CS-1 of these Supplementary Specifications. Failure to submit this form constitutes a material deviation from the Contract Specifications and shall cause the bid to be rejected. A Power of Attorney appointing the person signing the Form on page CS-1 as Attorney-in-Fact must be attached to the Form on page CS-1 and submitted with the bid.

The Consent of Surety must be valid for a period of no less than ninety (90) days from the date of the bid opening.

The Consent of Surety must be an original with a raised seal.

The surety company providing the Consent of Surety and the Performance and Payment Bonds must be authorized to conduct such business in the State of New Jersey, pursuant to applicable law.

**The failure to submit Consent of Surety shall be deemed a fatal defect that shall render the bid proposal unresponsive.**

**102.19 Selective Bidding****(New Subsection Added)**

A Bidder shall not submit a proposal with bid prices for only some of the pay items of the proposal. Such bids shall be considered to be incomplete and shall cause the bid to be rejected.

The entry of a zero for a pay item is not permitted.

**END OF SECTION 102**

## **SECTION 103 – AWARD AND EXECUTION OF CONTRACT**

### **103.01 Award of Contract**

Modify this Subsection as follows and delete all conflicting provisions:

The Commission shall make no Conditional awards.

This Contract and Award are subject to availability and appropriation of adequate funds.

Delete the third sentence of the first paragraph (“The Department will award...”) and substitute with the following:

The Commission will award the Contract or reject the bids within sixty (60) calendar days after the bids are received subject to extensions in accordance with **N.J.S.A. 40A:11-24**.

In the sixth sentence of the first paragraph, change “30 state business days” to “60 calendar days”.

### **103.02 Cancellation of Award**

Delete all references and provisions related to the conditional award.

### **103.03 Release of Bid Bond**

Delete this Subsection in its entirety and substitute with the following:

All Bid Bonds/Guarantees except those of the three (3) lowest Bidders will be returned within ten (10) calendar days after opening of bids.

### **103.04 Execution of the Contract**

Delete this Subsection in its entirety and substitute with the following:

The Contract shall be signed by the successful Bidder and returned to the Commission within ten (10) calendar days of the date of Award of the Contract together with:

- (1) The Performance Bond;
- (2) The Payment Bond;
- (3) The Maintenance Bond;
- (4) All required Certificates of Insurance and certified copies of insurance policies with declaration pages, amendments and endorsements in a form satisfactory to the Commission;
- (5) The Surety Disclosure Statement and Certification;
- (6) Initial Project Workforce Report Construction (AA-201) and;

(7) Employee Information Report (AA-302).

If the Contract is not executed by the Commission within sixty-five (65) calendar days following receipt from the successful Bidder of the signed Contract and other required documents, the successful Bidder shall have the right to withdraw their Bid without penalty. The Contract shall not be considered as effective until it has been fully executed.

**END OF SECTION 103**

## **SECTION 104 – SCOPE OF WORK**

### **104.01 Intent**

Add the following to this Subsection after the second paragraph:

This work shall consist of furnishing of labor, tools, equipment, temporary support structures and materials to perform structural steel repairs, concrete deck repairs, timber fender repairs and painting to the Riverside-Delanco three-span bridge (Riverside Span, Delanco Span, Swing Span, Pier A, Center Pier and Pier B). All work shall be in conformance with the Contract Drawings and Contract Specifications.

The work shall also consist of the maintenance repairs of the timber fenders at the Center Pier, Pier A and Pier B of the Riverside-Delanco Bridge. This shall include the removal of all vegetation growth on the existing fender, verification of existing dimensions for ordering purposes, supplying the new members, and removal and replacement of deteriorated members. An allowance has been included to account for ongoing deterioration and additional deterioration identified during vegetation removal.

An additional lump sum item is included for unforeseen fender repairs which may be required. All unforeseen repairs will be submitted to the Engineer for approval and will be performed as directed by the Engineer.

This work shall also consist of furnishing and application of specified coatings on all surfaces of the entire steel members of the Riverside-Delanco three spans Bridge. The work shall also include cleaning and application of specified treatment to all the surfaces to be coated prior to the application of the coatings. The bridge machinery and mechanical components of the Riverside-Delanco Bridge shall be treated as specified. All electrical components such as conduits, junction boxes, navigation lights, etc., and zinc-coated members shall be treated as specified.

The work shall also include furnishing, fabrication, installation, maintenance, removal, and disposal of all temporary structures required to prosecute the work of this Contract. Containment and disposal of debris, both hazardous and non-hazardous type, shall also be included in the work accomplished. All this work shall be in conformance with the Contract Drawings and Contract Specifications.

During the blast cleaning and pack rust removal operations, Contractor may be requested to implement miscellaneous structural repairs to select steel members, connections, etc. An additional lump sum item is included for unforeseen steel repairs which may be required. All unforeseen repairs will be submitted to the Engineer for approval and will be performed as directed by the Engineer.

Balancing the Swing span shall be required and performed before/ during/ and after the completion of the steel repairs and painting.

As necessary, the Contractor shall provide for Maintenance & Protection of Traffic while work is being performed as required by the Engineer. The Contractor is required to coordinate with the Engineer all temporary bridge and lane closures for the approval by the Commission.

In accordance with Subsection 102.01 Qualification to Bid, the main work tasks associated with NJDOT work type classification 41. Movable Installation/Rehabilitation for the main work tasks as described in Section 104 – Scope of Work.

The remaining work tasks shall be performed by the Bidder, if qualified or by qualified Subcontractors. Bidders and/or Subcontractor performing fender work shall be qualified under NJDOT work type classification 4A Bridge Fender Systems and Bulkheads. Bidders and/or Subcontractor performing Painting work shall be qualified under NJDOT work type classification 4K Painting.

Omission of details of work from the contract which are necessary to carry out the intent of the contract, or which are customarily performed, shall not relieve the Contractor from performing the omitted work and shall be performed as if fully and correctly set forth and described in the contract. The Contract bid prices (Unit and/or Lump Sum) shall be full payment for all work and materials required to complete the work.

The Contractor shall include all costs of doing the work within the bid prices (Unit and/or Lump Sum). If the Contract Drawings, Contract Specifications, addenda, or any other part of the Contract requires work that has no Unit and/or Lump Sum price in the proposal form, the cost of such work shall be incidental and included within the bid prices (Unit and/or Lump Sum) in the Contract unless specified otherwise by the Engineer.

The Contractor must not impede pedestrian or vehicular traffic except for brief stoppages when absolutely necessary. **No long-term bridge closures will be permitted.** Marine traffic must not be impeded unless written approval is obtained from the US Coast Guard.

## **104.02 Value Engineering**

### **104.02.01 Purpose and Scope**

Add the following to the beginning of this Subsection:

**N.J.S.A. 40A:16.6** applies when the total price of the originally awarded Contract equals or exceeds \$5,000,000.

### **104.03 Changes To The Contract**

#### **104.03.02 Protests to Change Orders**

Add the following at the end of this Subsection:

By not protesting as this Section provides, the Contractor also waives any additional entitlement and accepts from the Engineer any written or oral order including directions, instructions, interpretations and determinations.

By failing to follow the procedures of this section and Subsection 107.04 New Jersey Contractual Liability Act, the Contractor completely waives any claims for protested work.

#### **104.03.03 Types of Changes**

Add to the end of the first paragraph of Item 1:

Quantity Increases and Decreases, the following and delete provisions applicable if pay quantity varies by more than twenty-five percent (25%) from the Proposal quantity.

It is agreed and understood that the Quantities of any items of work shown on the bid form are subject to increase, decrease or deletion during the progress of the work. The Engineer reserves the rights to increase, decrease or delete Quantities during the progress of the said work to satisfactorily complete the construction. Such increase, decrease or deletion of Quantities shall not be considered as a waiver of any conditions of the Contract nor invalidate any of the provisions thereof.

The Bid Prices for this Contract which are to be paid for at the Lump Sum price, and those items which will not be measured but will be paid for at the quantity in the proposal, for the various items of work on the bridge shall cover the cost of all work, labor, material, tools, plant and appurtenances of every description necessary to complete the entire work as specified, removal of all debris, temporary work and appurtenances, and providing access to the work areas.

#### **104.03.08 Force Account**

Subpart 8. Profit

Delete 2. without replacement.

Subpart 9. Overhead

Delete 2. without replacement.

Add the following to the end of this subsection:

Overhead costs will not be allowed for force account payments made pursuant to a Change Order not granting an extension of Contract Time but specific extraordinary overhead expenses as defined in the Subsection may be allowed.

**END OF SECTION 104**



## **SECTION 105 – CONTROL OF WORK**

### **105.01 Authority Of The Department**

#### **105.01.01 RE**

Add the following at the end of this Subsection:

The RE's decision shall be final on the questions on acceptance of working drawings and determination as to the existence of changed or differing site conditions.

### **105.04 Plans and Specifications**

Add the following at the end of this Subsection:

The Contractor shall field verify all the dimensions and data provided by the Engineer. The elevations in the Contract Drawings are for reference purposes only and are from the record original design drawings of the Bridge. No stakes or marks, other than the existing ones shall be considered as included in the payment for the pay items to which the work relates, and no additional compensation will be allowed.

The 2019 Standard Specifications for Road and Bridge Construction (U.S. Customary English Units) including all current Baseline Document Changes of The New Jersey Department of Transportation (NJDOT), hereinafter referred to as Standard Specifications, and amendments made to the Standard Specifications herein, shall govern the construction of this project, the execution of the Contract, and performance under said Contract.

Bid packages including the Contract Drawings, Supplementary Specifications, Proposal Forms, and Contract Documents for the work are available at no cost electronically on the Commission's website [www.bcbridges.org](http://www.bcbridges.org). From the home page, click on Public Information and then Purchasing. At the bottom of the screen, the project is listed in the Bids, RFPs, RFQs table. First time users are required to register to view any documents other than the Advertisement. Those already registered are to log on with their Username and Password. Any questions regarding the registration process are to be directed to [helpdesk@bcbridges.org](mailto:helpdesk@bcbridges.org). Print format of the bid package, pursuant to the New Jersey Open Public Records Act established rates, is available at the Engineering Office of the Burlington County Bridge Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey 08065.

After award of the Contract, five (5) additional copies of the Contract Drawings (two full size and three half size) will be furnished without charge to the successful Bidder upon request.

The 2019 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction is not available from the Commission, but may be from the New Jersey Department of Transportation's website as listed below:

<https://www.state.nj.us/transportation/eng/specs/2019/Division.shtml>

The Standard Specifications are available only in electronic format on the Department of Transportation's website.

### **105.05 Working Drawings**

Add the following to this Subsection and delete conflicting provisions:

1. The Contractor shall provide Working Drawings (Shop Drawings) for all items of work.
2. Working Drawings shall be submitted electronically in PDF format for review.
3. Working Drawings shall be fully detailed and dimensioned, shall show the location and orientation of components and shall be drafted conventionally as per standard drafting practice. Detail views shall be titled and a scale shall be given. Working Drawings shall be drawn to a sufficiently large scale to clearly show all details of the work.
4. Working Drawing categories shall be Certified or Approved as listed in Table 105.05 1.
5. The Engineer shall review and then stamp the drawings as CERTIFIED, CERTIFIED AS NOTED or REVISE AND RESUBMIT for Certified Working Drawings and APPROVED or REVISE AND RESUBMIT for Approved Working Drawings. No structure number will be used and they will be identified by name only as designated by the Engineer.
6. Working Drawings should show details of all structures, locations and design of all structures and a summary of items appearing on the proposal. Working Drawings shall also state, when applicable, that all dimensions are field verified.
7. Omissions from the Contract Drawings or Specifications of details for work which are manifestly necessary to carry out the intent of the Contract Documents, or which are customarily included, shall not relieve the Contractor from including such omitted details of the work but they shall be included as if fully and correctly set forth and described.
8. Shop Drawings or Working Drawings shall be 22 inches by 34 inches in size. The Contractor shall review, comply, sign and submit all drawings with reasonable promptness and in orderly sequence so as to cause no delay in their work or in any work being performed by others.

9. At the time of the submission, the Contractor shall inform the Engineer in writing of any deviation in the Working Drawings from the requirements of the Contract Documents.
10. The Contractor shall bear all risks and all costs of any work delays caused by non-acceptance of these drawings.
11. For all submittals of revised Working Drawings, the Contractor shall submit a resolution sheet which includes the Engineer's previous review comments with the action taken for each of the review comments.
12. The Contractor shall keep a set of current Contract Drawings and Working Drawings available on the work site at all times.
13. All costs for providing the Working Drawings, including subsequent revisions until accepted by the Engineer, shall be included in the price bid for its respected pay item.

#### **105.06 Cooperation with Others**

Add the following to the end of this Subsection:

The Contractor is advised of other Commission Contracts for work on or adjacent to the project site which may be in progress during the term of this Contract. A listing of these Contracts is available from the Engineer upon request. The Contractor shall determine by their own means and to their own satisfaction, what effect, if any, the work of other Contractors performing the above-described or other Commission Contracts may have on the performance of this Contract.

#### **105.08 Environmental Protection**

Add the following at the end of the Subsection:

#### **5. Anadromous Fish (Shad and Sturgeon)**

The Contractor is made aware that the Delaware River and its tributaries including the Rancocas and Pennsauken Creeks are confirmed spawning ground for shad and sturgeon. The Contractor is to comply with all applicable Federal, State and Local regulations as related to in water work and anadromous fish. Restricted time periods, pursuant to **N.J.A.C.7:7A-5.7** and **N.J.A.C.7:13-11.5**, are from March 1 through June 30 and September 1 through November 30.

#### **105.11 As-Built Drawings**

**(New Subsection Added)**

1. Within the thirty (30) days following Substantial Completion of the Contract in accordance with Subsection 108.19 Completion and Acceptance, fully detailed and dimensioned red-line As-Built Drawings of the Work including the original

Contract Drawings and all Shop/Working Drawings prepared by the Contractor during the project shall be submitted by the Contractor, then reviewed and accepted by the Engineer. As-Built Drawings shall clearly show all of the elements, members and connections and shall show plan and elevation views and sectional and detail views.

2. The Contractor shall submit to the Engineer electronic AutoCAD or MicroStation compatible files for all Shop/Working Drawings which were submitted during the project.
3. The Commission assigned construction management/inspection Engineer shall be responsible for the preparation of the As-Built Drawings AutoCAD or MicroStation compatible, and PDF electronic files based upon the Contractor's red-line drawing submittals.
4. Accurate field measurements shall be made during the progress of the work and after completion of the work for the purpose of preparing the red-line As-Built Drawings. On a monthly basis, the Contractor shall submit to the Engineer preliminary red-line As-Built Drawings documenting any changes made while the field work is being performed.
5. As-Built Drawings shall be 22 by 34 inches in size.
6. Upon request of the Contractor, the Engineer shall provide the electronic MicroStation files of the Contract Drawings for use as the red-line base drawings for a portion of the As-Built Drawings. All necessary changes to the Contract Drawings shall be made by the Contractor to reflect the as-built conditions.
7. Material specification designations shall be given on the As-Built Drawings.
8. Each Shop/Working As-Built Drawing shall be provided with a title block in the lower right hand corner, and shall contain the full name of the Commission, the name of the bridge, the project title, the name of the Contractor, the name of the Design Engineer, the name of the fabricator, vendor or supplier, date prepared, name of person or firm who prepared the drawing, scale or scales and a sheet number. The As-Built Drawings for the original Contract Drawings may retain the original title block with the inclusion of the Contractor's name.
9. Each final As-Built Drawing shall contain the following statement which shall be signed and dated by the Contractor. "This As-Built Drawing accurately reflects all portions of the work as actually constructed." The format of the required statement is as follows:

This As-Built Drawing accurately reflects all portions of the work as actually constructed.

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
(authorized signature)

It was prepared in CAD format by the Commission's Construction Inspection Engineering Consultant:

\_\_\_\_\_  
based upon the Contractor's submitted red-line drawing submittal(s).

10. The red-line As-Built Drawings shall be submitted to the Engineer for review. The Engineer's review comments shall be incorporated on the drawings. The As-Built Drawings shall be submitted, revised and resubmitted as many times as may be necessary until the Engineer is satisfied that the As-Built Drawings accurately reflect the work as actually constructed.
11. The Engineer shall provide the Contractor an electronic copy of the final As-Built Drawings.
12. Notwithstanding any other provision of the Contract Documents, payments which may become due the Contractor after thirty (30) days following Substantial Completion of the Contract will not be made unless and until the red-line As-Built Drawings have been submitted by the Contractor then reviewed and accepted by the Engineer.

This work shall be paid for at the contract fixed lump sum price of \$1,000.00 for As-Built Drawings which price shall include labor, materials, equipment, tools, transportation operations and all incidentals necessary to complete the work in accordance with the Contract Documents.

No partial payments shall be made. The pay item amount shall be paid to the Contractor in its entirety once the As-Built Drawings have been signed by the Contractor and then accepted by the Engineer.

Payment shall be made under:

| <u>Pay Item No.</u> | <u>Description</u> | <u>Unit</u> |
|---------------------|--------------------|-------------|
| 1.105               | As-Built Drawings  | Lump Sum    |

**END OF SECTION 105**

**SECTION 106 – CONTROL OF MATERIAL****106.05 Materials Inspections, Tests, and Samples**

Add the following to the end of this Subsection and delete conflicting provisions:

When requested, the Contractor shall deliver representative samples to the Engineer, without charge for testing before use. The samples will be of sufficient quantity and will be delivered within reasonable time prior to use for testing.

**END OF SECTION 106**

## **SECTION 107 – LEGAL RELATIONS**

### **107.01 Legal Jurisdiction**

#### **107.01.01 Applicable Law**

Add the following to this Subsection after the first paragraph:

Litigation, if any, brought against the Burlington County Bridge Commission, the members thereof and their successors, all officers, agents, consultants and employees of the Commission and the Engineer, Pennoni and their officers, consultants and employees, shall only be instituted in the Superior Court of New Jersey, Burlington County vicinage.

Any litigation over the contract must comply with the procedural requirements of N.J.S.A. 40A:11-50, and following the completion of a mediation process.

The Contractor is to comply with all requirements listed in Burlington County Resolution No. 10 which was adopted on January 13, 2010. This Resolution shall be available upon request. Furthermore, the modified Responsible Contractor Certification form bound with these Specifications shall be included with the submitted bid.

Amend the sixth line as follows:

“Defend and indemnify the Commission, the Engineer and their employees, officials, agents, consultants and its...”

#### **107.01.02 Permits, Licenses, and Approvals**

Add the following at the end of this Subsection:

Pursuant to **N.J.S.A. 54:49-4.1**, et seq., a business organization that fails to submit a copy of a business registration as required by law or that provides false information of business registration under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

The following listed permits are expected to be required for the project work:

Traffic Control Permits

This listing of permits may not be complete. Therefore, the Contractor is made aware that all required permits are still to be obtained regardless whether they are listed here or not.

### **107.02 Equal Employment Opportunity**

Delete this Subsection in its entirety and substitute with the following:

During the performance of this Contract, the Contractor agrees as follows:

The Contractor or Subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the Contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of the nondiscrimination clause.

The Contractor or Subcontractor, where applicable, will in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The Contractor or Subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the Contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The Contractor or Subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to **N.J.S.A. 10:5-31** et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

When hiring or scheduling workers in each construction trade, the Contractor or Subcontractor agrees to make good faith efforts to employ minority and women workers in each construction trade consistent with the targeted employment goal prescribed by **N.J.A.C. 17:27-7.2**; provided, however, that the Dept. of LWD, Construction EEO Monitoring Program, may in its discretion, exempt a Contractor or Subcontractor from compliance with good faith procedures prescribed by the following provisions A, B, and C as long as the Dept. of LWD, Construction EEO Monitoring Program is satisfied that



the Contractor or Subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Dept. of LWD, Construction EEO Monitoring Program, that its percentage of active “card carrying” members who are minority and women workers is equal to or greater than the targeted employment goal established in accordance with **N.J.A.C. 17:27-7.2**.

The Contractor or Subcontractor agrees that a good faith effort shall include compliance with the following procedures:

- (A) If the Contractor or Subcontractor has a referral agreement or arrangement with a union for a construction trade, the Contractor or Subcontractor shall, within three (3) business days of the contract award, seek assurances from the union that it will cooperate with the Contractor or Subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to **N.J.S.A. 10:5-31** et seq., as supplemented and amended from time to time and the Americans with Disabilities Act. If the Contractor or Subcontractor is unable to obtain said assurances from the construction trade union at least five (5) business days prior to the commencement of construction work, the Contractor or Subcontractor agrees to afford equal employment opportunities to minority and women workers directly, consistent with this chapter. If the Contractor’s or Subcontractor’s prior experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility that the trade union will not refer sufficient minority and women workers consistent with affording equal employment opportunities as specified in this chapter, the Contractor or Subcontractor agrees to be prepared to provide such opportunities to minority and women workers directly, consistent with this chapter, by complying with the hiring or scheduling procedures prescribed under (B) below; and the Contractor or Subcontractor further agrees to take said action immediately if it determines that the union is not referring minority and women workers consistent with the equal employment opportunity goals set forth in this chapter.
- (B) If good faith efforts to meet targeted employment goals have not or cannot be met for each construction trade by adhering to the procedures of (A) above, or if the Contractor does not have a referral agreement or arrangement with a union for a construction trade, the Contractor or Subcontractor agrees to take the following actions:
  - (1) To notify the Public Agency Compliance Officer, the Dept. of LWD, Construction EEO Monitoring Program and minority and women referral organizations listed by the Division pursuant to **N.J.A.C. 17:27-5.3**, of its workforce needs, and request referral of minority and women workers;

- (2) To notify any minority and women workers who have been listed with it as awaiting available vacancies;
- (3) Prior to commencement of work, to request that the local construction trade union refer minority and women workers to fill job openings, provided the Contractor or Subcontractor has a referral agreement or arrangement with a union for the construction trade;
- (4) To leave standing requests for additional referral to minority and women workers with the local construction trade union, provided the Contractor or Subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment Service and other approved referral sources in the area;
- (5) If it is necessary to lay off some of the workers, in a given trade on the construction site, layoffs shall be conducted in compliance with the equal opportunity and non-discrimination standards set forth in this regulation, as well as with applicable Federal and State court decisions;
- (6) To adhere to the following procedure when minority and women workers apply or are referred to the Contractor or Subcontractor:
  - (i) The Contractor or Subcontractor shall interview the referred minority or women worker.
  - (ii) If said individuals have never previously received any document or certification signifying a level of qualification lower than that required in order to perform the work of the construction trade, the Contractor or Subcontractor shall in good faith determine the qualifications of such individuals. The Contractor or Subcontractor shall hire or schedule those individuals who satisfy appropriate qualification standards in conformity with the equal employment opportunity and non-discrimination principles set forth in this chapter. However, a Contractor or Subcontractor shall determine that the individual at least possesses the requisite skills, and experience recognized by a union, apprentice program or a referral agency, provided the referral agency is acceptable to the Dept. of LWD, Construction EEO Monitoring Program. If necessary, the Contractor or Subcontractor shall hire or schedule minority and women workers who qualify as trainees pursuant to these rules. All of the requirements, however, are limited by the provisions of (C) below.

- (iii) The name of any interested women or minority individual shall be maintained on a waiting list and shall be considered for employment as described in (i) above, whenever vacancies occur. At the request of the Dept. of LWD, Construction EEO Monitoring Program, the Contractor or Subcontractor shall provide evidence of its good faith efforts to employ women and minorities from the list to fill vacancies.
  - (iv) If, for any reason, said Contractor or Subcontractor determines that a minority individual or a woman is not qualified or if the individual qualifies as an advanced trainee or apprentice, the Contractor or Subcontractor shall inform the individual in writing of the reasons for the determination, maintain a copy of the determination in its files, and send a copy to the public agency compliance officer and to the Dept. of LWD, Construction EEO Monitoring Program.
- (7) To keep complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Dept. of LWD, Construction EEO Monitoring Program and submitted promptly to the Dept. of LWD, Construction EEO Monitoring Program upon request.
- (C) The Contractor or Subcontractor agrees that nothing contained in (B) above shall preclude the Contractor or Subcontractor from complying with the union hiring hall or apprenticeship policies in any applicable collective bargaining agreement or union hiring hall arrangement, and, where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement. However, where the practices of a union or apprenticeship program will result in the exclusion of minorities and women or the failure to refer minorities and women consistent with the targeted county employment goal, the Contractor or Subcontractor shall consider for employment persons referred pursuant to (B) above without regard to such agreement or arrangement; provided further, however, that the Contractor or Subcontractor shall not be required to employ women and minority advanced trainees and trainees in numbers which result in the employment of advanced trainees and trainees as a percentage of the total workforce for the construction trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also, the Contractor or Subcontractor agrees that, in implementing the procedures of (B) above it shall, where applicable, employ

minority and women workers residing within the geographical jurisdiction of the union.

After notification of award, but not prior to signing a construction contract, the Contractor shall submit to the public agency compliance officer and the Dept. of LWD, Construction EEO Monitoring Program an Initial Project Workforce Report (Form AA 201) provided to the public agency by the Division for distribution to and completion by the Contractor, in accordance with **N.J.A.C. 17:27-7**. The Contractor also agrees to submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of this contract to the Dept. of LWD, Construction EEO Monitoring Program and to the public agency compliance officer.

The Contractor agrees to cooperate with the public agency in the payment of budgeted funds, as it is necessary, for on-the-job and/or off-the-job programs for outreach and training of minorities and women.

- (D) The Contractor and its Subcontractors shall furnish such reports or other documents to the Dept. of LWD, Construction EEO Monitoring Program as may be requested by the Dept. of LWD, Construction EEO Monitoring Program from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Dept. of LWD, Construction EEO Monitoring Program for conducting a compliance investigation pursuant to **N.J.A.C. 17:27-1.1** et seq.

**107.03 Affirmative Action, Disadvantaged Business Enterprises, or Emerging Small Business Enterprises, and Small Business Enterprises**

Supplement with the following at the end of this Subsection:

For the purpose of this Specification, the following terms shall have the described meanings:

"Affirmative Action" indicates that procedures are established for hiring and employment goals, timetables, and practices to be implemented, with good faith efforts, for minority group members.

The Contractor shall be bound by the requirements of the New Jersey Prevailing Wage Act, **N.J.S.A. 34:11-56** et seq. The Contractor and Subcontractors must register with the Division of Wage and Hour Compliance as required by the Public Works Contractor Registration Act (PWCRA) **N.J.S.A 34:11-56.48** et seq. The Contractor shall provide proof of registration as specified in Subsection 102.10, Submission of Bids. Any non-listed Contractor must be registered with the Department of Labor prior to physically starting work.

Award will not be made to a Contractor listed by the Commissioner of Labor and Industry as specified in **N.J.S.A. 34:11-56.37** and **N.J.S.A. 34:11-56.38**. Attention is directed to the Contract for wage determinations by the said Commissioner. The Contractor shall file statements in order to meet the requirements of **N.J.S.A. 34:11-56.33** of the "New Jersey Prevailing Wage Act," **N.J.S.A. 34:11-56.25** et seq. and also **N.J.S.A. 34:11-56.25** through **N.J.S.A. 34:11-56.46** inclusive.

The Wage Rates to be paid under this Contract are those to be determined by the Office of Wage and Hour Compliance - Division of Workplace Standards, New Jersey Department of Labor and in effect during the duration of this Contract. Contractors must register and submit payroll on the Department of Labor and Workforce Development's portal at: <https://www.nj.gov/labor/wageandhour/prevailing-rates/njwagehub.shtml>.

Certified payroll records shall be submitted by the Contractor or Subcontractor(s) to the Commission, and to the New Jersey Department of Labor and Workforce Development through the secure process on the Department's Internet website, each payroll period within 10 days of the date on which the wages were paid to a worker. The Contractor or Subcontractor shall use the Department's website to submit to the Department the records required to be maintained by law.

Contractors are required to provide certified payroll records to both the Department, through online submission, and to the Commission. Online certified payroll record submission to the Department does not relieve the Contractor of the requirement to submit certified payroll records to the Commission. The Commission and the Department shall be entitled to original, unredacted certified payroll submissions.

In the event it is found that any workman, employed by the Contractor or any Subcontractor covered by this Contract, has been paid a rate of wages less than the prevailing wage required to be paid by this Contract, the Commission may terminate the Contractor's or Subcontractor's right to proceed with the work or such part of the work as to which there has been a failure to pay required wages, and to prosecute the work to completion or otherwise. The Contractor and the sureties will be liable to the Commission for any excess costs occasioned thereby.

The Contractor's "Affirmative Action" program shall include, as a minimum, the procedures specified in the State's program for equal employment opportunity and shall include additional procedure' which Federal and State Laws and Regulations may require in the future. Certification as to the adoption and maintenance of the required program shall be contained in the Affirmative Action Affidavit which must be properly executed as part of the Proposal delivery requirements.

### **107.07 Assignment**

Add the following at the end of this Subsection:

The Contractor shall not transfer, convey, sublet or otherwise dispose of the Contract or its rights, title or interest therein or any part thereof.

### **107.11 Risks Assumed by the Contractor**

#### **107.11.01 Risks**

Add the following after 4. of this Subsection:

**5. Risks of Claims Related to the Contractor's Safety and Health Program.** The Contractor shall bear the risk of any action from or alleged from the Contractor's Safety and Health Program.

The Contractor is solely responsible for construction means, methods and procedures and for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract.

### **107.12 The Contractual Claim Resolution Process**

Delete this Subsection in its entirety and substitute the following:

The various notice provisions set forth in this Contract are contractual obligations assumed by the Contractor in executing the Contract.

Submission of the written notice acceptable to the Engineer constitutes compliance with the notice requirements of the New Jersey Local Public Contracts Law, **N.J.S.A. 40A:11-1 et seq.** if such notices are given within the time limits established by this Act. Any other document sent or delivered to the Commission or the Engineer or any of its officers and employees shall not be considered as evidence of compliance with this Act.

The Contractor understands that it will be forever barred from recovering against the Commission if it fails to give notice of any act, or failure to act, by the Engineer or the happening of any event, thing, or occurrence, in accordance with **N.J.S.A. 40A:11-1 et seq.**

Prior to prosecuting the said disputed work, the Contractor must give a signed written notice of protest to the Engineer.

As a minimum, the following information must be included in a written statement:

1. A detailed factual statement of the claim providing all necessary dates, locations, and items of work affected by the claim.
2. The nature and circumstances which caused the protest.

3. The Contract provisions that relate to the matter giving rise to the claim.
4. If an extension of Contract time is sought, the specific dates, exact amount sought and the basis of the claim.
5. The estimated dollar cost, if any, of the protested work and how the estimate was determined.
6. An analysis of the progress schedule showing the schedule change or disruption if the Contractor is asserting a schedule change or disruption.
7. If the protest is continuing, the information required above, shall be supplemented as requested by the Engineer. In addition, the Contractor shall provide the Engineer, before final payment, a written statement of the actual adjustment requested.

Throughout any protested work, the Contractor shall keep complete records of extra costs and time incurred. The Contractor shall permit the Engineer access to these and any other records needed for evaluating the protest.

The Engineer will evaluate all protests, provided the procedures in this Section are followed. If the Engineer determines that a protest is valid, the Engineer will recommend to the Commission payment for work or time by an equitable adjustment. Extensions of time will be evaluated in accordance with Subsection 108.11 Extensions and Reductions of Contract Time. The Commission will exercise its option to accept or overrule the Engineer's recommendation. The decision of the Commission shall prevail. No adjustment will be made for an invalid protest.

In spite of any protest, the Contractor shall proceed promptly with the work as the Engineer orders.

The Contractor accepts all requirements of a change order by: (1) endorsing it, (2) writing a separate acceptance or (3) not protesting in the way this section provides. A change order that is not protested as provided in this section shall be considered as the full payment and final settlement of all claims for contract time and for direct, indirect, and consequential costs, including costs of delays, related to any work either covered or affected by the change.

By not protesting as this Section provides, the Contractor also waives any additional entitlement and accepts from the Engineer any written or oral order (including directions, instructions, interpretations and determinations).

By failing to follow the procedures of this Section and Subsection 108.21 Warranties, the Contractor completely waives any claims for protested work.

### **107.13 Litigation of Claims by the Contractor**

Delete this Subsection in its entirety and substitute the following:

|   |        |  |
|---|--------|--|
| Burlington County Bridge Commission<br>BCBC – 202505 Riverside-Delanco Bridge | 100-30 | Supplementary Specifications<br><b>Bridge Rehabilitation</b> |
|---|--------|--|

The various notice provisions set forth in this Contract are contractual obligations assumed by the Contractor in executing the Contract.

Submission of the written notice acceptable to the Engineer constitutes compliance with the notice requirements of the New Jersey Local Public Contracts Law **N.J.S.A. 40A:11-1 et seq.**, if such notices are given within the time limits established by this Act. Any other document sent or delivered to the Commission or the Engineer or any of its officers and employees shall not be considered as evidence of compliance with this Act.

The Contractor understands that it will be forever barred from recovering against the Commission if it fails to give notice of any act, or failure to act, by the Engineer or the happening of any event, thing or occurrence, in accordance with **N.J.S.A. 40A:11-1 et seq.**

Prior to prosecuting the said disputed work, the Contractor must give a signed written notice of protest to the Engineer.

As a minimum, the following information must be included in a written statement:

1. A detailed factual statement of the claim providing all necessary dates, locations, and items of work affected by the claim.
2. The nature and circumstances which caused the protest.
3. The Contract provisions that relate to the matter giving rise to the claim.
4. If an extension of Contract time is sought, the specific dates, exact amount sought and the basis of the claim.
5. The estimated dollar cost, if any, of the protested work and how the estimate was determined.
6. An analysis of the progress schedule showing the schedule change or disruption if the Contractor is asserting a schedule change or disruption.
7. If the protest is continuing, the information required above shall be supplemented as requested by the Engineer. In addition, the Contractor shall provide the Engineer, before final payment, a written statement of the actual adjustment requested.

Throughout any protested work, the Contractor shall keep complete records of extra costs and time incurred. The Contractor shall permit the Engineer access to these and any other records needed for evaluating the protest.



The Engineer will evaluate all protests, provided the procedures in this section are followed. If the Engineer determines that a protest is valid, the Engineer will recommend to the Commission payment for work or time by an equitable adjustment. Extensions of time will be evaluated in accordance with Subsection 108.11 Extensions and Reductions of Contract Time. The Commission will exercise its option to accept or overrule the Engineer's recommendation. The decision of the Commission shall prevail. No adjustment will be made for an invalid protest.

In spite of any protest, the Contractor shall proceed promptly with the work as the Engineer orders.

The Contractor accepts all requirements of a change order by: (1) endorsing it, (2) writing a separate acceptance, or (3) not protesting in the way this section provides. A change order that is not protested as provided in this section shall be considered as the full payment and final settlement of all claims for contract time and for direct, indirect, and consequential costs, including costs of delays, related to any work either covered or affected by the change.

By not protesting as this section provides, the Contractor also waives any additional entitlement and accepts from the Engineer any written or oral order (including directions, instructions, interpretations and determinations).

By failing to follow the procedures of this Section and Subsection 108.21 Warranties, the Contractor completely waives any claims for protested work.

### **107.15 Taxes**

Add the following to this Subsection after the first paragraph and delete conflicting provisions:

Bidders are advised that in accordance with the November 28, 1995 letter issued from the Division of Taxation, Department of Treasury of the State of New Jersey, the Commission is exempt from all taxes on permanent construction items including excise, transportation, sales or use tax under the provisions specified above. This letter shall be available upon request. Bidders shall not include amounts for these taxes in the prices bid for the Items in the Proposal. The Commission is also exempt from the State of New Jersey sales or use tax on purchases in other States on its behalf and delivered in the State of New Jersey.

### **107.18 United States Coast Guard Requirements** **(New Subsection Added)**

The Contractor shall submit a copy of the Contractor's Proposed Plan, Schedule and Sequence of Operations. Submittal shall be initially made to the Engineer and the Commission for review and acceptance. Only when accepted, then the submittal shall be made to the United States Coast Guard directly by the Commission. At no time during the work shall the waterway be closed to navigation without prior approval from the United States Coast Guard.

Plans shall indicate proposed or intended equipment to be used for the various spans and areas of each bridge in general terms when working over or from the waterway. The drawings and supporting material shall show plan and elevation views of the bridge, provide details for all scaffolds, platforms, barges, portable lifts, etc., details of any protective devices to be provided. The extent of all proposed reductions in existing clearances especially those over the waterway during rigging, operation/work, or equipment disassembly and the amount of time said reductions would exist during each operation. All debris nets, collection chutes or other appurtenances shall also be indicated on the drawings and the extent of their impact on marine traffic. Debris nets shall have sufficient intermediate tie-off points to keep the nets tight up against the bridge members and to minimize the amount of sag if debris is in the net. Additionally, the Plan shall provide for at least weekly cleaning of the nets.

The Contractor is reminded that Rancocas Creek is an active navigable water of the United States used by both commercial and recreational traffic and work schedules may have to be revised to prevent any impact on marine traffic.

The Contractor will be notified of any bridge openings as soon as the bridge operator is notified. The Contractor must be able to accommodate bridge openings without any delay. The Contractor may work in only one navigation channel (primary or secondary) at any time.

After acceptance by the Commission, the submittal to the United States Coast Guard shall be made no later than thirty (30) calendar days prior to the desired starting date of fieldwork. If any closure shall exceed three (3) consecutive days, the submittal shall be made at least forty-five (45) calendar days in advance. Any request for an extension of the closure dates shall be forwarded at least forty-five (45) calendar days in advance to the United States Coast Guard for approval. The Contractor's submittal shall include a location map, plan and elevation views of the bridge, include showing the waterway, the requested work specific timetable and site-specific information for the bridge spans and/or areas for which approval is requested. Site specific information shall include but not be limited to equipment and protection that will be used, sequence of operation, and whether any reduction in the vertical or horizontal clearances of the bridge will occur. If clearance reductions will occur complete details of same shall be provided giving the location of any restrictions; height above mean high water and detailed description and plan of scaffolding, rigging, enclosures and protective measures which are proposed to be used. All vertical clearances shall be measured from the bottom of the obstruction to mean high water. In the case of movable platforms and scaffolding, several clearances shall be provided. These should, where applicable, include but not be limited to cable rigging reductions, netting or protection rigging and removal. The submittal should also include the hours of operation and whether the equipment is removed at night. The Contractor's operation shall in no way hinder the safe navigation of the waterway. The Plan shall indicate that when the work over the waterway is suspended for a prolonged period, for any reason unbeknown at present time, scaffolding, floating equipment and other rigging appurtenances either in or over the waterway shall be removed. The Plan shall indicate that the United States Coast Guard shall be notified of the suspension of

work and of the resumption of work, at least two weeks ahead. No work, once temporarily suspended, shall resume without prior notification to the United States Coast Guard. No deviation from the approved plan and schedule of operation may be made unless the modification has previously been submitted and approved by the United States Coast Guard.

The formal submittal to the United States Coast Guard shall be made as indicated below and other appropriate offices of United States Coast Guard and/or agencies.

United States Coast Guard  
Fifth District  
431 Crawford Street  
Portsmouth, Virginia 23704-5004  
Attention: Hal R. Pitts, Chief, Bridge Branch  
Mr. Pitts may be contacted at (757) 398-6222

United States Coast Guard Sector Delaware Bay  
Waterways Management  
One Washington Avenue  
Philadelphia, Pennsylvania 19147-4395

The work shall be performed in accordance with all requirements of the United States Coast Guard. The requirements include but are not limited to those specified hereinafter.

The Contractor shall comply with all provisions of the United States Department of Transportation, United States Coast Guard publication titled, Navigation Rules International-Inland. Copies of the publication may be obtained from the Superintendent of Documents, United States Government Printing Office, Washington, DC 20402. Refer to Stock Number COMDTINST M16672.2A.

The Contractor shall be solely responsible for any liquidated damages incurred and penalties levied by the United States Coast Guard if it obstructs or delays the passage of any vessel.

The Commission has no control over the United States Coast Guard and the Commission is not responsible for any delays associated with the approval of the submittal to the United States Coast Guard.

Should the Contractor fail to comply with these requirements or any federal regulations and/or should the Federal Government impose penalties for violations or failures of the Contractor to take action for the protection of navigation, or for the protection of the environment, the Contractor shall be liable for all such penalties. Additionally, the Government reserves the right to recover costs for any such action from the Contractor, at no cost to the Commission.

The Commission assumes no responsibility for any damages sustained or caused by the Contractor's equipment or barges being anchored or moored at the aforementioned location and this approval shall not be considered as waiver of liability for any damage that may result from the applicant's operation.

At no time during the performance of the work shall the river be closed to navigation or the Contractor shall not deter, obstruct, or delay marine navigation unless specific written authorization has been granted by the United States Coast Guard. Equipment, scaffolding, rigging and associated supports shall not interfere with the normal operation of the movable bridges. No existing bridge navigation lights shall be blocked or obscured during darkness or period of reduced visibility.

During non-working hours, scaffolds and other appurtenances that reduce the effective clearance under the bridge shall be removed. If this is not possible, then synchronized quick flashing red lights shall be mounted on each of the four (4) corners upon obtaining approval from the United States Coast Guard for allowing a reduced vertical clearance. However, the reduction due to such scaffolds, cables, nets, etc. shall be kept to a minimum by use of frequent intermediate ties.

During all times, warning signs in accordance with the Contract Drawings shall be displayed on the upstream and downstream sides of the bridge facing marine navigation in the vicinity of the work being performed to draw mariner's attention to the fact that the clearance has been reduced. These requirements apply when work is performed over any portion of the waterway not just the channel areas.

During the progress of work should any materials, machinery or equipment be lost, dumped, thrown overboard, sunk or misplaced which may be dangerous to or obstruct navigation, immediate notice shall be given to the Engineer and the United States Coast Guard Marine Safety Office Philadelphia and the object must be removed with utmost dispatch. Until removal can be affected, the objects shall be properly marked in order to protect navigation. Notice to the United States Coast Guard shall give a description and location of any such object and the action taken or being taken to protect navigation. The Marine Safety Office/Group Philadelphia can be contacted twenty-four (24) hours per day. The address and phone numbers are as listed below:

Commanding Officer  
 United States Coast Guard  
 Marine Safety Office/Group Philadelphia  
 One Washington Avenue  
 Philadelphia, Pennsylvania 19147-4395  
 Attn: Waterways and Waterfront Facilities Branch  
 (215) 271-4889 or (215) 271-4800  
 Command Duty Officer can be reached 24 hours a day at (215) 271-4940

The Contractor shall completely remove any project related debris from the river at no cost to the Commission.

It shall be the responsibility of the Contractor to ensure that channel depths are not affected by the work. Should it be suspected that the channel depths may have been impaired or that an obstruction may exist from the work, the Contractor shall upon the request of the Engineer, United States Coast Guard, or United States Army Corps of Engineers, provide the necessary equipment and personnel to undertake a survey to determine the presence of any obstruction, objects or silting that may have occurred during construction. The cost of this work shall be borne by the Contractor, at no cost to the Commission.

Placement of floating equipment, if any is employed on the project, or in the navigable channel, shall be done so as to maintain the minimum horizontal clearance as determined by the United States Coast Guard. The Contractor shall obtain the clearance from the United States Coast Guard. The United States Coast Guard shall be notified a minimum of two (2) weeks in advance of placement of floating equipment in the navigable channel.

Floating equipment shall be moved out of the navigable channel during darkness and after work hours. Floating equipment shall be lighted in accordance with the provisions as outlined in the Navigation Rules International-Inland.

Barges that are used in the waterway during the project must be marked in accordance with Title 33 Code of Federal Regulations, Subsection 118.95 that outlines temporary marking and lighting requirements. The document outlines temporary marking and lighting requirements for barges and structures not part of the bridge that will be used during construction. If barge or float anchor lines are used, they must be marked by anchor buoys, which should be lighted. Any questions regarding lights on the barges or work floats, the Chief of Planning and Waterways Management Section at (757) 398-6230 should be contacted.

Floating equipment shall have a radiotelephone capable of operation from its main control station in accordance with Part 26 of Title 33, Code of Federal Regulations and shall be monitored during all periods the floating equipment is on station.

Spillage of oil and hazardous substances is specifically prohibited by Section 311 of the Federal Water Pollution Control Act of 1972, as amended and supplemented. Any material which causes an oil like sheen on the water shall be considered to be a violation and requiring corrective action. Preventive measures shall be taken including, but not limited to: (1) Proper maintenance of construction equipment; (2) Provision for fuel and hazardous substances handling areas so as to ensure that any spills are contained before reaching navigable waterways or their adjoining shorelines; (3) Instruction of personnel and enforcement of directives not to dispose of paint, paint cleaning agents, containers, or oil or hazardous substances, directly or indirectly, into navigable waterways, drains, sewers, or onto adjoining shorelines; and (4) Any other procedures to prevent spillage or violation of the Act. If in spite of such planning, oil or hazardous substances are spilled on land or into a navigable waterway or adjoining shoreline or both, the United States Coast Guard shall be notified immediately at 800-424-8802 and NJDEP at 609-292-7172. The authorities at these two (2) numbers must

be immediately notified of any kind of spill producing oil type sheen on the water or a possible environmental hazard. A supply of absorbent pads and material shall be retained on hand so that they may be rapidly deployed to soak up any possible spillage, pending the arrival of appropriate authorities on scene. The use of chemical dispersing agents and emulsifiers for elimination of material in the water is not authorized without prior specific approval from the appropriate authorities. Final payment as provided in Subsection 109.11, Final Payment and Claims, will not be made unless and until any such project related debris have been so removed and any fines, penalties or claims have been satisfactorily resolved.

The Contractor shall maintain close and regular contact with United States Coast Guard Sector Delaware Bay to keep them informed of activities in the waterway at (215) 271-4889. The United States Coast Guard Office shall be notified immediately upon completion of the subject work at the bridge.

### Bridge Security Provisions

Every person, including Contractor's employees, Subcontractors, and visitors, when entering or leaving the security zone, or embarking and disembarking from a vessel or a harbor craft will be required to use an identification credential. The identification must be tamper-proof (laminated or otherwise secure against tampering) and contain the full name and a recent photograph of the person and bear the name of the issuing authority. The security zone is defined as the work site, areas in the immediate vicinity, equipment and other storage areas, staging areas, river channel and areas in the vicinity of the piers in the waterways and other areas so deemed. Drawings showing the perimeter of the Security Zone shall be submitted to the Engineer for acceptance.

Acceptable identification credentials include military identification; a badge for federal employees such as DOT or DOD, drivers license or official identification card issued by a Department of Motor Vehicles (DMV) or a Motor-Vehicle Administration within the United States; a merchant mariner's document issued by the United States Coast Guard; a valid passport; a local law enforcement credential; an identification credential issued by a state or local authority, and an identification credential issued by a company, union or trade association.

No construction workers, work barges or vessels of any type may enter into these security zones without written advance approval from the United States Coast Guard Captain of the Port and Vessel Traffic Service (VTS) and the Fifth Coast Guard District Bridge Branch (obr). All requests to enter into these security zones must be in writing, submitted not less than fifteen (15) calendar days prior to the commencement of any work.

A complete list of all construction and vessel personnel or other persons including construction workers that may enter into the security zones must be submitted to the United States Coast Guard Waterways Oversight Branch with the submission cited in the paragraph 15 above, providing the following information: Name, Social Security Number and Date of Birth. All personnel shall have in their possession, proper

identification as a Contractor's employee, which includes a picture, and additional identification that may be subsequently required. A person's name and point of contact for the organization providing the list and authorizing access shall be provided with phone numbers.

A complete description of all vessels, barges and other marine equipment shall also be provided to the United States Coast Guard and the Commission. The Owner/Operator of the said vessels and equipment shall be clearly displayed on the equipment along with a twenty-four (24) hour emergency contact number.

If any additional personnel are hired, or any changes in the existing personnel roster are required, all required information identified above must be forwarded to the United States Coast Guard Waterway Oversight Branch not less than ninety-six (96) hours (4 days) in advance of the expected change.

After the initial written approval for entry into the security zone has been received from the United States Coast Guard, the Engineer and the Contractor shall, in addition, notify the United States Coast Guard Vessel Traffic Service, prior to entering the work site, leaving the site at any time and upon securing at the end of the work day.

The Contractor is advised that failure to comply with the above Safety Zone requirements and conditions is punishable under Federal Law by arrest, prosecution and/or civil penalties.

### **107.19 Internal Security**

**(New Subsection Added)**

The following provisions shall apply to the Contractor and the Contractor's Subcontractors' activities in all areas that the Contractor uses for storage or other purposes in or near the bridge site:

The Contractor and Subcontractors shall submit a list of employees working at the project site to the Engineer with a copy submitted to the Commission's Director of Public Safety & Homeland Security. Said list shall include the person's name, social security number and date of birth.

The Engineer shall provide to the Contractor Commission issued placards titled CONSTRUCTION VEHICLE/TEMPORARY PASS/By order of: BCBC-POLICE DEPARTMENT which are to be prominently displayed on the dashboard of each worker's personal vehicle while it is on Commission property. The placards are to be returned to the Engineer at the completion of the project.

Whenever the Contractor is working at the project site, compliance with the following listed Commission notification procedure is required:

1. At the start of the workday, an email is to be sent to the Commission at [contractors@bcbridges.org](mailto:contractors@bcbridges.org). The following listed information is to be included in the email: company name, supervisor's name and cell phone number, location of

the work, the number of workers, the projected duration of the work. The Construction Inspector shall be copied on the email. The email subject line shall read: **Contractor check in – company name.**

2. If work will take place on any of the movable bridges, the Contractor must telephone the bridge tender and notify the tender they will be on site. The Contractor must talk to the bridge tender, voice messages will not satisfy this requirement.
3. Any time all of the Contractor's staff leave the span, and at the end of the day, the Contractor must telephone the bridge tender and notify the tender they are off the span. The Contractor must talk to the bridge tender, voice messages will not satisfy this requirement.
4. At the conclusion of the workday, the Contractor shall once again email the Commission at [contractors@bcbridges.org](mailto:contractors@bcbridges.org) to inform them that the work is complete, and all personnel are off the bridge site. The following listed information is to be included in the email: company name, supervisor's name and cell phone number and the location of the work. The Construction Inspector shall be copied on the email. The email subject line shall read: **Contractor check out – company name.**

If the Contractor has multiple crews working at multiple locations, each crew must check in individually. However, if multiple crews are on the same bridge only one check in/check out will be required per bridge.

The Contractor shall ensure functioning of the security measures that are in place and provide for rapid repair or correction of defects when discovered.

Basic security measures shall include fencing, signs, good housekeeping, lighting, lock and key (hard and electronic) controls.

The Contractor and the Contractor's Subcontractors shall ensure that there is formal accountability and security of all keys for locks and access points to the bridge and its appurtenances including machinery and electrical spaces or compartments, hatches, doors, ladders access platforms, travelers, etc.

If continuous monitoring is not in place at hatch, valve, and power box controls, develop an acceptable alternate system using changeable color code security lockout methods and procedures.

All facilities, buildings, storage areas and bridge accesses, when not in use or attended, shall be secured. Inspect vegetated areas and eliminate overgrown vegetation.

Combustible storage and debris, garbage disposal locations will not be permitted under the bridges, adjacent to piers, abutments, and buildings or other areas designated by the Engineer.



Access to all administrative and storage areas shall be controlled with sign in and sign out by visitors, salespersons, delivery and other personnel not holding appropriate approved and current security ID.

All transportation and work vehicles as well as trailers, sheds, storage areas, cranes, compressors, lifts and other equipment are all clearly and properly identified with Contractors name, logo and a contact phone number in bold print. Transportation and work vehicles shall also have an approved, numbered vehicle identification passes that shall be displayed in the vehicle's window, at all time. These passes may be required to be color coded and changed as directed by the Engineer.

The Contractor shall provide the Engineer with a complete list and description of all vehicles, trailers, cranes, compressors, lifts, etc. to be used on the site. The list shall include the vehicle identification number, license number and any other identification documents carried as well as the complete description.

Ensure that transportation vehicles are equipped with security measures to prevent tampering and theft while parked, in transit, or while loading or unloading.

Conduct random inspections of vehicles for suspicious items or contraband. Signs shall be posted advising that all persons, packages, vehicles entering or leaving the area are subject to search by security personnel. Prohibit unauthorized or unidentified vehicle and personnel entrance.

In addition to the periodic inspection and cleaning, all nets and platforms located adjacent to or under the bridge shall also be inspected and cleaned when requested by the Engineer.

The Contractor shall report any unusual or suspicious activities to the Engineer and the Commission's Director of Public Safety & Homeland Security immediately.

In the event of escalated general or specific threat, the Contractor will provide continuous monitoring of the work area(s).

At heightened alert level and upon request by the Engineer, check designated unmanned sites at more frequent intervals for signs of unauthorized entry, suspicious packages or unusual activities. Increase surveillance in designated areas. Keep equipment, such as fire fighting equipment, in place and ready.

Instruct personnel that are working alone (individually) or in transit to check-in on a periodic basis and report on their work status.

The Contractor and all Subcontractors and other security personnel shall submit twenty-four (24) hour phone numbers and established procedures for personnel notification in the event of an emergency.

**107.20 Resolution of Disputes****(New Subsection Added)**

In conformance with **N.J.S.A. 40A:11-50**, disputes arising under this Contract shall be submitted to mediation. Thereafter, if the dispute is not resolved, the Contractor's remedy shall be an action filed in the Superior Court of New Jersey, Burlington County vicinage. The Contractor must proceed with all work required under this Contract during mediation or arbitration process. Disputes arising from bid solicitation, award process, formation of contracts and subcontracts are excluded from these provisions. The Commission may seek injunctive or declaratory relief in a court at any time without proceeding to mediation.

Any party to this contract may demand the joinder of other interested parties unless the mediator appointed to resolve the dispute determines that such a joinder is inappropriate. Whenever more than one (1) dispute of similar nature arises, an involved contracting party may demand for disputes to be joined, unless the mediator determines that the disputes are inappropriate for joinder.

Whenever a dispute concerns more than one (1) contract, upon demand of a contracting party, the disputes shall be joined unless the mediator determines that the disputes are inappropriate for joinder.

The party seeking the mediation or arbitration shall pay the entire cost for the request for mediation or arbitration and the said party shall also pay the per diem cost for mediation or arbitration.

**107.21 Project Labor Agreement (PLA)****(New Subsection Added)**

This contract requires contractor and its subcontractors to be in compliance with a Project Labor Agreement. With respect to that Project Labor Agreement, please refer to the attachments at end of these specifications:

**Attachment 1** - Project Labor Agreement Contractor's Letter of Assent

**Attachment 2** – Project Labor Agreement between United Building Trades Council of Southern New Jersey and the Burlington County Bridge Commission

**The Contractor shall complete a “Project Labor Agreement Letter of Assent”, a copy of which can be found at the end of these specifications. Bidders shall complete and submit a copy of the signed letter prior to the execution of the contract.**

**END OF SECTION 107**

## **SECTION 108 – PROSECUTION AND COMPLETION**

### **108.01 Subcontracting**

Add the following to the end of this Subsection and delete conflicting provisions:

The Contractor's submittal for each Subcontractor must include the following:

1. The Application for subcontracting any part, or parts, of the Work shall be made by the Contractor in writing using NJDOT Form DC-18A. Any portions of the Application specifically for Federal or fully state funded projects are not required to be completed. The Application shall be complete in every respect with original signatures.
2. Attach to the Application a certified copy of the executed subcontract between the Contractor and the Subcontractor including the actual amount of the contract. The copy of the subcontract will be used in the review of the Application.
3. Proof that the Subcontractor is qualified under the appropriate NJDOT work type classification is to be provided. If requested by the Contractor, the Commission and/or Engineer may waive this requirement upon successful review of the submittal listed in the next paragraph.
4. The Application is to be accompanied by a detailed statement of qualifications showing that the Subcontractor to whom the work is proposed to be sublet is particularly qualified, experienced and equipped for the proposed subcontract.
5. The Subcontractor shall provide the Certificate(s) of Insurance to show compliance with the required insurance coverage as specified in Section 152 - Insurance of the Standard and Supplementary Specifications except when the value of the subcontract, as determined by the Commission, warrants lower limits of coverage. In this case, if accepted by the Commission, lower limits of coverage shall be afforded. The Commission, their officers, employees, consultants, the Engineer and the Engineer's officers, employees, and others lawfully on the property shall be also named as additional insured on the Comprehensive General Liability and Owner's and Contractor's Protective (OCP) Liability insurance policies. If the Contractor's OCP Policy covers the Subcontractor's work, then a separate OCP Policy required from the Subcontractor shall be waived. Proof of the Contractor's coverage of the Subcontractor's work on the OCP policy shall be submitted.
6. Copies of the Subcontractor's Public Works Contractor Registration Certificate and N.J. Business Registration Certificate. This Certificate is not required to be included with the bid, but it is due prior to Contract award.
7. A statement from the Subcontractor confirming that the prevailing wages, etc. shall apply to the labor performing the work.

After review of the Application, the consent of the Commission to, or its rejection of, the subcontracting will be provided to the Contractor by letter from the Engineer. Prior to the receipt of this written consent, no work shall be performed on the project under the subcontract.

### **108.02 Commencement of Work**

Add the following to the beginning of this Subsection and delete conflicting provisions:

Work of this Contract shall commence within ten (10) calendar days of the execution of the Contract by the Commission. Failure to begin operations by the said tenth day for any reason shall constitute a Default for which the Commission shall take action deemed appropriate under the Contract.

The Contractor shall plan and prosecute the work of this Contract and shall furnish and use as much labor and equipment as required to complete the work within the time hereinafter specified under Subsection 108.10 Contract Time.

Once any work is begun which may require interference with the normal flow of traffic, the work shall be carried on through to completion as quickly as possible.

In all areas where work is being performed during dusk or darkness, if any, the Contractor shall furnish, place, maintain, and eventually remove temporary lighting facilities meeting with the approval of the Engineer and capable of providing light of sufficient intensity to permit good workmanship and proper inspection at all times. The level of illumination shall be at least 5 foot-candles.

No separate payment shall be made for lighting work areas but all costs thereof shall be included in the cost of the work being performed and requiring such lighting.

In the third paragraph, delete "and FIELD OFFICE TYPE \_\_\_\_ SET UP" without replacement.

In the fifth paragraph, change, "25 days" to "ten days", "the 25th day" to "10th day" and "Working Day" to "Calendar Day".

The Contractor is required to submit a Plan of Operation for all work tasks.

Listed below are the elements that are required to be addressed in the Plan of Operation. If there is no impact to a certain element, it should be stated. Furthermore, the Engineer shall not commence review of the Contractor's shop drawings or other working drawings until the Engineer has completed the review and acceptance of the Plan of Operation.

#### **1) General**

- a) Describe in detail how the work shall be performed and in what sequence.

## 2) Safety

- a) Add the following and delete any conflicts to Subsection 108.05.02 Safety Program.
- b) Follow established Commission check-in procedures while working, especially when working on or near the movable span as stated in Subsection 107.18 Internal Security.
- c) Submit a written Safety Plan which may be included or be independent of the Plan of Operation. It can usually be adapted from the Contractor's standard safety plan with the following items included:
  - i) Include telephone numbers for local police, fire and ambulance services.
  - ii) Include provisions for working in the vicinity of live marine and vehicular traffic, working over water and with existing lead-based paint.
  - iii) In accordance with OSHA requirements, provide address and phone number of local hospitals, clinic, infirmary, or physician if the Contractor has a preferred emergency services provider. Include instructions for the most direct route to these facilities. There should be alternate instructions for departing from either side of the bridge, in case of emergency during a bridge opening. Typically, the Commission Police Department will contact these agencies if necessary.
  - iv) Identify an emergency assembly location for personnel.
  - v) Identify where workers will assemble during bridge openings (applicable whenever workers are on the movable span).
  - vi) Submit lockout-tagout procedure as described in Subsection 701.03.01 Existing Systems.
- d) Submit a separate Traffic Control Plan for maintenance and protection of traffic.
- e) Chemicals
  - i) Indicate which chemicals will be used on site.
  - ii) Submit MSDS sheets to the Engineer prior to bringing any chemicals on site.
  - iii) Indicate location where MSDS sheets will be placed to be viewed by workers.
  - iv) Identify leak/spill containment and clean-up activities.
  - v) Identify person responsible for all chemicals.
  - vi) Excess chemicals must be promptly removed from the site when no longer required for the project.

## 3) Lead-based Paint Removal and/or Containment

- a) Lead based paint may be present on the bridge.
- b) The Pollution Control Plan should include information for containment, waste disposal and lead health and safety.
- c) The Commission's Waste Generator ID number is NJR000046250. Copies of all waste manifests must be submitted to the Engineer.

## 4) Personnel

- a) Indicate how they would be getting to work area.
- b) Indicate where personnel will be working (bucket truck, ladder, high reach, temporary scaffolding, etc.).
  - i) If Contractor/rental equipment is used, list all equipment and provide a cut sheet (crane work basket, scaffolding, man-lift, etc.).

- ii) Temporary scaffolding design must be signed and sealed by a New Jersey Registered Professional Engineer and must include attachment details to existing bridge structure. Pre-manufactured rolling scaffolding requires a cut sheet for approval.
- iii) Barges moored in the waterway must be submitted to the USCG for approval and are subject to their regulations.
- c) Indicate whether workers shall be over roadway, water, sidewalk, etc.
- d) Indicate the number of crews that will work at a time.
- e) Indicate the anticipated work hours.

#### **5) Tools**

- a) Indicate how the tools will be lifted to or located at work area. Tools must be secured when above water, sidewalks and roadways.
- b) Indicate whether any generators/air compressors, etc. will be used. If yes, indicate where they will be located and provide cut sheets. Provide description of refueling process including amount and location of stored fuel.
- c) Trucks, cranes, etc. must be listed (include cut sheets or make/model/gross weight for over the road vehicles). Include overall width and gross weight for vehicles that will be placed on bridges.

#### **6) Material**

- a) Indicate how the materials shall be lifted to the work area.

#### **7) Bridge Operations**

- a) If applicable, indicate where any work will take place on the movable span.
- b) Indicate whether there will be any impact to bridge operations, if applicable. Bridge closures to marine traffic require the approval from the USCG.
  - i) Indicate whether there will be any interruption to electrical service.
  - ii) Indicate whether the bridge drive machinery shall be impacted.
  - iii) Indicate whether any advance notification is required prior to bridge openings. If so, indicate how much notice is required.
  - iv) Indicate whether there will be any interruptions to vehicular traffic (lane closures) and include it in the Traffic Control Plan.

### **108.03 Daily Communications**

Add the following to the end of this Subsection and delete conflicting provisions:

A two (2) week “look ahead” work schedule shall be submitted each Friday to list the anticipated work activities to be performed during the upcoming two (2) week period.

#### **108.04 Work Site and Storage**

Add the following to the Subsection after the third paragraph and delete conflicting provisions:

Except when required for prosecution of the work or for protection of vehicular or marine traffic, work shall be performed so as not to interfere with either vehicular or marine traffic.

When work must be performed which will interfere with either vehicular or marine traffic, notice shall first be given to the Engineer a minimum of two (2) weeks in advance of the said work. The said work shall not begin until the times and conditions governing the work, has been approved by the Commission or an authorized representative.

When the bridge is open to vehicular traffic and with the approval of the Engineer, the Contractor may occupy portions of the bridge walkways with equipment, materials or personnel.

Upon request, a laydown/staging area for the Contractor's use may be available. If not, it shall be the responsibility of the Contractor to temporarily acquire whatever property is necessary.

#### **108.05 Sanitary and Safety Provisions**

##### **108.05.02 Safety Program**

The following is added to this Subsection after the first paragraph:

The Contractor shall make available to the Contractor's employees, Subcontractors, the Engineer and the Public, all information pursuant to OSHA 29 CFR Part 1926.59 of the hazard communication standard 29 CFR 1910.1200 and shall also maintain a file on each job site containing all Material Safety Data Sheets (MSDS) for products in use at the project. These material safety data sheets shall be made available to the Engineer upon request.

The Contractor is reminded of the requirement listed in OSHA 29 CFR Part 1926.106 titled Working Over or Near Water which states in 1926.106 (a) that "employees working over or near water, where the danger of drowning exists, shall be provided with United States Coast Guard-approved life jacket or buoyant work vests." As clarified in the September 28, 1999 letter from OSHA to Jones Bros., Inc., it was stated that "... when continuous fall protection is used (without exception) to prevent employees from falling into the water, the employer has effectively removed the drowning hazard, and life jackets or buoyant work vest are not needed ..."

The Contractor is also reminded of the requirement listed in OSHA 29 CFR Part 1926.106 titled Working Over or Near Water which states in 1926.106 (d) that "at least one (1) lifesaving skiff shall be immediately available at locations where employees are

working over or adjacent to water.” As clarified in the June 13, 1990 letter from OSHA to Western Pennsylvania Heavy & Highway Construction, it was stated that “to be considered in compliance with the aforementioned standard, an employer must have a lifesaving skiff available that could, at the minimum, retrieve an employee from the water no more than three (3) to four (4) minutes from the time they entered the water.”

### **108.05.02 3. Elements of the Program**

Add the following to the beginning of this Subsection:

The Contractor shall provide at the site such equipment and medical facilities as are necessary to supply first aid to any person who may be injured in the progress of the work.

In the event of personal injury, property damage, or a fatality, the Contractor shall report the event immediately by telephone to the Commission and the Engineer. In addition, the Contractor must promptly report in writing to the Commission and the Engineer all accidents whatsoever, arising out of or in conjunction with the performance of his work, whether on or adjacent to the site, which may cause personal injury, property damage, or a fatality, including full details and statements from witnesses.

If any claim is made by a third person against the Contractor or any Subcontractor on account of an accident, the Contractor shall promptly report the fact in writing to the Commission and the Engineer, including full details of the claim.

#### **Accidents, Injuries, Damages:**

If it becomes necessary for the Contractor, either as principal or by agent or employee, to enter upon the premises or property of the Commission in order to construct, erect, inspect, make delivery or remove property hereunder, the Contractor hereby covenants and agrees to take, use, provide and make all proper, necessary and sufficient precautions, safeguards and protections against the occurrence of happenings of any accidents, injuries, damages or hurt to any person or property during the progress of the work herein covered, and to be responsible for, and to indemnify and save harmless the Commission from the payment of all sums of money by reason of all, or any, such accidents, injuries, damages or hurt that may happen or occur upon or about such work and all fines, penalties and loss incurred for or by reason of the violation of any City or Borough Ordinance, Regulation, or the Laws of the State or the United States while the said work is in progress.

### **108.06 Night Operations**

Add the following to the end of this Subsection and delete any conflicting provisions:



Whether it involves a specified lane closure or not with the fieldwork, a Lighting Plan shall be submitted for review and acceptance. The Lighting Plan shall specify the construction area to be lit, the layout of the lighting units and the illumination intensity of the lighting system. The construction area is defined as the area in which any and all work related to the construction is ongoing and is to be performed during the specified lane closure. No construction work shall begin until the Lighting Plan is reviewed and accepted.

The lighting system shall consist of mobile units of floodlights capable of providing the construction area with a minimum illumination intensity of 5 foot-candles. Each unit shall provide a minimum of 2.5 foot-candles, positioned to cause no glare to drivers. Mobile light towers for the purpose of protection and maintenance of traffic shall be provided at locations deemed necessary. The light towers shall be either gasoline or diesel powered and have the required number of 1000-watt high-pressure sodium (HPS) lamps with tampered glass lens for each lamp. The towers shall have telescopic steel mast that can adjust from approximately 6' to 12' or 16' either by a winch or compressed air. The towers shall have electric outlets, have a base approximately 24" – 30" wide and 30" – 36" long with two semi-pneumatic wheels and be coated with a safety yellow finish. The Contractor may propose alternate types of light towers for the Engineer's approval.

Storage batteries or other bulk power sources, not part of a monolithic flasher unit, shall be located as far as practicable from the traveled way and at ground level.

All equipment used for construction operations with artificial lighting shall have a minimum of 72 square inches of high intensity reflective sheathing towards extremities of each side of equipment such that a minimum of 144 square inches of the reflective sheathing is visible from any direction.

#### **108.08 Lane Occupancy Charges**

Delete this Subsection in its entirety without replacement.

#### **108.09 Maintenance Within the Project Limits**

Add the following to the end of this Subsection:

The provisions of this Subsection shall be construed as applying to the existing structures and for new work.

**108.10 Contract Time**

Add the following to the end of this Subsection:

Substantial completion shall be in by June 30, 2027. The entire work of this Contract including all punch list items, payments, change orders, as-built drawings and all other closeout documents shall be completed in by July 31, 2027. No additional compensation will be awarded for early completion. All construction practices and sequences in accordance with the Contract Drawings and Supplementary Specifications shall be maintained.

**108.16 Partial Acceptance**

Delete this Subsection in its entirety without replacement.

**108.20 Liquidated Damages**

Delete this Subsection in its entirety and substitute with the following:

The Contractor and the Commission recognize that delay in completion of this project will result in damage to the Commission in terms of the effect of the delay in the use of the work upon the public convenience and economic development of Burlington County and the State of New Jersey and will also result in additional cost to the Commission for engineering, inspection and administration of the Contract. Because some of this damage is difficult or impossible to estimate, the parties agree that if the Contractor fails to complete the work within the time specified in Subsection 108.10 Contract Time, of these Supplementary Specifications, or within such further time as may have been granted in accordance with the provisions of the Contract, the Contractor shall pay the Commission liquidated damages of \$2,500.00 per calendar day for each day beyond the time specified in Subsection 108.10 Contract Time, of these Supplementary Specifications, for all work not completed in lieu of actual damage.

The Commission shall recover said liquidated damages by deducting the amount thereof from any monies due or that may become due the Contractor and if said monies be insufficient to cover said liquidated damages, then either the Contractor or the Contractor's Surety shall pay the amount due.

The payment of deduction of such liquidated damages shall not relieve the Contractor from its obligation to complete the work or from any other of its obligations and liability under this Contract.

Further, if the Contractor is not available to perform work and the Commission must secure the services of another Contractor to perform said work and if the cost incurred is greater than that charged by the prices bid herein, then the Contractor shall be liable for the amount of the difference. The Commission shall recover said difference by

deducting the amount thereof from any monies due or that may become due the Contractor and if said monies be insufficient to cover said difference, then the Contractor or the Contractor's Surety shall pay the amount due.

### **108.21 Warranties**

Add the following to the end of this Subsection:

The Contractor warrants that work performed conforms to the Contract requirements and is free of any defect of equipment, material or design furnished or workmanship performed by the Contractor or any of its Subcontractors, fabricators or suppliers at any tier. Such warranty shall continue for a period of one (1) year following Acceptance. Under this warranty, the Contractor shall remedy at its expense any such failure to conform or any such defect. In addition, the Contractor shall remedy at its own expense any damage to Commission owned or controlled real or personal property when that damage is the result of the Contractor's failure to conform to Contract requirements or any such defect of equipment, material, workmanship or design. The Contractor shall also restore any work damaged in fulfilling the terms of this clause. The Contractor's warranty with respect to work repaired or replaced hereunder shall run for one (1) year from the date of such repair or replacement.

### **108.22 Liquidated Damages for Deterring Vehicular Traffic**

**(New Subsection Added)**

The Commission and Contractor recognize that any situation arising that deters vehicular traffic from traversing the bridge results in public and private inconvenience as well as a monetary loss to the Commission.

The parties agree that if the Contractor, at any time other than that permitted in writing by the Commission deters vehicular traffic from traversing the bridges, the Contractor shall pay the following liquidated damages to the Commission:

| <u>Time of Occurrence</u> | <u>Liquidated Damage Amount</u>                         |
|---------------------------|---|
| 15 minutes or less        | \$500.00  |
| 16 minutes to 30 minutes  | \$2,500.00  |
| 31 minutes to 60 minutes  | \$5,000.00  |
| More than 60 minutes      | \$10,000.00 for each additional hour or part of an hour |

It is also agreed that the liquidated damages amount paid by the Contractor to the Commission shall not exceed \$100,000.00 per deterring traffic incident.

It is also agreed that the Contractor shall bear all costs to rectify all deterring events due to the Contractor's operations, at no cost to the Commission.

It is further agreed that if the deterring event arises due to "damage" from the Contractor's operations, then the Contractor shall replace or repair all damages, at the discretion of the Commission, at no additional cost to the Commission.

Liquidated damage payment by the Contractor to the Commission for each deterring event shall be by certified check. Payment to the Commission shall be made upon demand by the Commission no later than ten (10) calendar days after the Contractor has received said demand. The Commission reserves the right to retain unpaid liquidated damages from partial payments.

The payment or deduction of such liquidated damages shall not relieve the Contractor from the Contractor's obligation to complete all the Work or from any other of the Contractor's obligations and liabilities under this Contract.

In addition, the Contractor may also be assessed for any claims by a third party. An example of this would be if a ship cannot pass through the bridge due to the Contractor's fault. If the ship's owner/agent claims financial damages due to the delay in reopening the movable span to marine traffic, then the Contractor will be responsible for payment of such claim.

### **108.23 Limitation of Operations**

**(New Subsection Added)**

The Contractor shall conduct the Work at all time in such manner and in such sequence as will assure no interference with vehicular and marine traffic, in conformance with Section 159, Traffic Control, of the Supplementary Specifications.

The Contractor shall not occupy any portion of the roadway, maintenance walk, maintenance platform, or any other bridge easement with equipment, materials or personnel, except as outlined in the approved written Plan of Operations and Traffic Control Plan.

### **108.24 Unusual Site Conditions**

**(New Subsection Added)**

During the progress of the Work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the Contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract are encountered at the site, the party discovering such shall promptly notify the other party in writing of the specific differing conditions before they are disturbed and before the affected work is performed.

Upon written notification, the Engineer will investigate the conditions, and if the Engineer determines that the conditions materially differ and could not have discovered

by the Contractor pursuant to Subsection 102.04 Examination of Contract and Project Limits and if they cause an increase or decrease in the cost or time required for the performance of any work under the Contract, an adjustment, excluding loss of anticipated profits, will be made and the Contract modified in writing accordingly. The Engineer will notify the Contractor of the Engineer's determination whether or not an adjustment of the Contract is warranted. Adjustments in Contract time will be made pursuant to Subsection 108.11 Modifications to Contract. Adjustments in compensation will be made pursuant to Subsections 104.02 Changes to Contract, 109.03 Payment for Force Account, and 109.04 Payment for Delay Damages.

No Contract adjustment that results in a benefit to the Contractor will be allowed unless the Contractor has provided the required written notice.

No Contract adjustment will be allowed under this clause for any effects caused on unchanged work.

### **108.25 Schedule of Submittals Required**

**(New Subsection Added)**

The Contractor shall provide all required submittals for the project whether or not they are listed below. The listing is for those submittals that are required once the Notice of Award has been issued.

| <u>No.</u> | <u>Description</u>   | <u>Specifications Reference and/or Contract Drawings</u>                             | <u>Time of Submission</u>  |
|------------|--|--|--|
| 1          | Working Drawings   | Subsection 105.05  | Periodically during work   |
| 2          | As-Built Drawings  | Subsection 105.11  | Within 30 days following substantial completion of the Contract                |
| 3          | Material Samples   | Subsection 106.05  | When requested   |
| 4          | Certification of Compliance  | Subsection 106.07  | Upon delivery of material  |
| 5          | Certified Payroll Records and Monthly NJ Department of Labor Records | Subsection 107.03  | Prior to or at the time of payment applications                                |
| 6          | United States Coast Guard Submittal Written Plan of Operations       | Subsection 107.17, Contract Drawing Sheet No. (fill in) - General Note No. (fill in) | No later than 30 calendar days prior to the desired starting date of fieldwork |

|    |  |                      |   |
|----|--|----------------------|---|
| 7  | United States Coast Guard Submittal Written List of Construction Personnel               | Subsection 107.17    | No later than 30 calendar days prior to the desired starting date of fieldwork        |
| 8  | United States Coast Guard Submittal Written List of Vessels, Barges and Marine Equipment | Subsection 107.17    | No later than 30 calendar days prior to the desired starting date of fieldwork        |
| 9  | Employee List  | Subsection 107.18    | Prior to the start of any fieldwork   |
| 10 | Emergency Contact List   | Subsection 107.18    | Prior to the start of any fieldwork   |
| 11 | Construction Equipment List  | Subsection 107.18    | Prior to the start of any fieldwork   |
| 12 | Subcontractor Application  | Subsection 108.01    | At least 20 calendar days before the anticipated start of the work                    |
| 13 | Two (2) Week "Look Ahead" Work Schedule  | Subsection 108.03    | Each Friday   |
| 14 | Written Safety Program   | Subsection 108.05.02 | At Preconstruction Meeting  |
| 15 | Lighting Plan  | Subsection 108.06    | Prior to the start of any fieldwork   |
| 16 | Submittal Log  | Subsection 108.26    | Bi-weekly   |
| 17 | Lump Sum Pay Item Breakdown  | Subsection 109.05    | Within 15 calendar days after the date of Notice to Proceed                           |
| 18 | Payment Applications   | Subsection 109.16    | Monthly   |
| 19 | Preliminary Schedule   | Subsection 153.03.01 | Preconstruction Meeting or 15 days after execution of Contract, whichever comes first |

|    |   |  |  |
|----|---|--|--|
| 20 | Baseline Schedule   | Subsection 153.03.01                               | No more than 14 days after approval of the Preliminary Schedule                        |
| 21 | Progress Schedule Updates   | Subsections 153.01 & 153.03.02                     | Monthly (on or before the third day of each month) after approval of baseline schedule |
| 22 | Traffic Control Plan  | Subsections 159.01 & 159.03.10                     | Within 15 calendar days upon receipt of Notice to Proceed                              |
| 23 | Temporary Access and Construction Platforms and Shielding Plan  | Contract Drawing Sheet No. 3 - General Note No. 19 | Prior to the start of any fieldwork above vehicular or marine traffic                  |
| 24 | Written Plan of Temporary Supports or Bracings  | Subsection 701.03.01                               | 7 days prior to construction   |
| 25 | Written Plan of Operations  | Contract Drawing Sheet No. 3 - General Note No. 19 | At least 30 calendar days prior to performing any field work                           |
| 26 | Intended Construction Equipment Loads   | Contract Drawing Sheet Construction Loads No. 1    | Prior to moving any construction vehicles or equipment onto the bridge structure       |
| 27 | Design Drawings and Design calculations of Temporary Access and Construction Platforms and Temporary Protective Shielding | Contract Drawing Sheet No.3 – General Note No. 19  |  |

**108.26 Submittals****(New Subsection Added)**

The Contractor shall provide all submittals electronically except as listed below.

All required submittals prior to the issuance of the Notice to Proceed shall be printed copies.

Furthermore, Application of Payments and Change Orders with original signatures shall be submitted as printed copies.

For all submittals which require revisions, the Contractor shall submit a resolution sheet which includes the Engineer's previous review comments with the action taken for each of the review comments.

Upon achieving Acceptance of the project, the Contractor shall provide electronic files for all of the submittals and received responses. Printed copies shall also be provided.

In addition to the requirements described in other Sections, an overall Submittal Log for Working Drawings, RFIs, Catalogue Cuts and all other required documents shall be submitted by the Contractor on a bi-weekly basis. The Submittal Log shall at a minimum include the submittal number, description, date and status.

All costs for the Submittal Log shall be included in the price bid for the respected pay item(s).

#### **108.27 Preconstruction Meeting**

**(New Subsection Added)**

As scheduled by the Engineer, a Preconstruction Meeting shall be held which the Contractor shall be required to attend. The Notice to Proceed shall be issued to the Contractor at this meeting. The Contractor shall submit a Preliminary Schedule at this meeting and be prepared to discuss its details.

#### **108.28 Progress Meetings**

**(New Subsection Added)**

As scheduled by the Engineer, a progress meeting shall be held bi-weekly or as determined by the Engineer. The Contractor and any appropriate Subcontractors shall be required to attend.

The Contractor shall provide an updated status of work completed and upcoming work at the project meetings. In addition, the Contractor shall provide the status of all required submittals.

All costs for attending the Progress Meetings shall be included in the price bid for the respected pay item(s).

### **END OF SECTION 108**



## **SECTION 109 – MEASUREMENT AND PAYMENT**

### **109.01 Measurement of Quantities**

Delete the first sentence and substitute with the following:

Measurement will be made in accordance with the United States Standard Measures (English system of Units).

Add the following to the end of this Subsection and delete conflicting provisions:

Except as otherwise provided in Subsection 104.03 Changes to the Contract covering increased or decreased quantities, whenever the quantity of any Item of work as given in the Proposal shall be increased or decreased as required to satisfactorily complete the work, payment for such Item of work shall be made on the basis of the actual quantity completed at the original Contract Unit Price.

No allowance will be made for any increased expenses, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor resulting either directly or indirectly from such alterations.

Payment for quantities in excess of the original pay item quantities shall be reimbursed to the Contractor only when approved by the Engineer and a change order has been approved by the Commission.

Delete the second through the seventh paragraphs without replacement.

### **109.03 Payment for Force Account**

Add the following to the beginning of this Subsection and delete conflicting provisions:

Overhead costs will not be allowed for force account payments made pursuant to a Change Order not granting an extension of Contract Time but specific extraordinary overhead expenses as defined in the subsection may be allowed.

In the second paragraph, delete “in an electronic format provided by the Department” without replacement.

The Commission shall not reimburse the Contractor for any sales tax paid for rental equipment.

### **109.05 Estimates**

Add the following to the end of this Subsection:

Within fifteen (15) calendar days after the date of the Notice to Proceed, the Contractor shall submit to the Engineer for approval a copy of the breakdown of each lump sum pay item that appears on the Proposal, excluding the As-Built Drawings, Bonds, Insurance and Mobilization items. Upon approval, this breakdown shall be used to determine the partial payment due corresponding to the work completed. If in the

opinion of the Engineer, the prices submitted do not fairly represent the value of various items of work, the Engineer shall substitute other prices that do fairly represent the cost of such work.

#### **109.06 Material Payments and Storage**

Delete 3. in its entirety in this Subsection and substitute with the following:

3. The Contractor has provided the Commission with an invoice or bill of sale sufficient to show the price paid for the materials, proof of payment and a "notarized statement" indicating that there are no liens for any and all material stored for incorporation into the Burlington County Bridge Commission project.

#### **109.10 Contractor's Compliance**

Delete "on a form provided by the Department" without replacement.

#### **109.11 Final Payment and Claims**

Delete the second paragraph of this Subsection and substitute with the following:

If the Contractor submits to the Engineer written acceptance of the Final Certificate without exception or reservation, the acceptance shall contain a release signed by the Contractor in the following form:

*In consideration of the above payment I hereby release the Burlington County Bridge Commission, the members thereof, their successors, officers, agents, consultants, employees, and Joe Habboush and their officers, consultants, and employees, from all claims and liability of whatsoever nature for anything done or furnished or in any manner growing out of the performance of the Work.*

Delete the third paragraph of this Subsection and substitute with the following:

If the Contractor submits to the Engineer written acceptance of the Final Certificate conditioned with exception or reservation, the acceptance shall contain a release signed by the Contractor in the following form:

*In consideration of the above payment, I hereby release the Burlington County Bridge Commission, the members thereof, their successors, agents, officers, consultants, employees and Joe Habboush and their officers, consultants, and employees, from all claims and liability of whatsoever nature for anything done or furnished or in any manner growing out of the performance of the Work except for \_\_\_\_\_.*

If the Contractor conditions its acceptance, it shall at the same time state whether it wants its reserved claims reviewed by the Commission. Only reserved claims which are unresolved after completing the first three steps of the administrative process for the resolution of disputes, as provided in Subsection 107.02 Discrimination in Employment on Public Works, are eligible for review as provided in that Subsection. If the Contractor states that it does not want the Commission review of the reserved claims or if it fails to

request the Commission's review of reserved claims when it conditions its acceptance, the Contractor shall be deemed to have waived any right to Commission's review of its reserved claims.

If the Contractor requests review of its reserved claims when it conditions its acceptance of the Final Certificate, it shall send at the same time a copy of its request for review in conformance with the Contract Specifications.

Add the following to the end of this Subsection:

If the parties agree to a resolution of all the reserved claims and execute a supplementary agreement confirming the terms of the resolution, the Commission will issue an amended Final Certificate which will include all sums previously included in the Final Certificate as well as the additional payment being made on the claims.

If the Commission determines after review of the claims that no further payment is warranted except for the sum indicated in the final certificate, it will so advise the Contractor in writing.

#### **109.12 Ethics Standards and Conflict of Interest**

In the last paragraph of this Subsection, delete “on a form provided by the Department” without replacement.

#### **109.13 Payment Procedure**

**(New Subsection Added)**

All requests for payment shall be submitted to the Engineer.

The Contractor shall submit monthly payment applications in the format provided by the Engineer. The work period shall be considered to be through the last day of the calendar month. Four (4) original signed copies of the monthly payment applications are required to be submitted.

Requests for payment shall be processed in accordance with **N.J.S.A. 2A:30A-1** et seq. The Commission requires that authorization for partial and final payments or the release of retainage monies shall be approved at a scheduled Commission public meeting and then paid during the Commission’s subsequent payment cycle.

Any payment disputes may be resolved in accordance with **N.J.S.A. 40A:11-50**.

#### **109.14 Contractor's Compliance with Subsections 107.02 and 107.03**

**(New Subsection Added)**

The Contractor is advised that noncompliance with the requirements specified in Subsection 107.02 Discrimination in Employment on Public Works and in Subsection 107.03 Affirmative Action and Prevailing Wages of these Supplementary Specifications, may be cause for delaying or withholding any payment or payments pending corrective

and appropriate measures by the Contractor to the satisfaction of the Commission and other legal requirements.

**END OF SECTION 109**

## **DIVISION 150 – CONTRACT REQUIREMENTS**

## **DIVISION 150 – CONTRACT REQUIREMENTS**

### **SECTION 151 – PERFORMANCE BOND AND PAYMENT BOND**

#### **151.03.01 Performance Bond and Payment Bond**

Delete this Subsection in its entirety and substitute the following:

Within ten (10) calendar days of the date of Award of the Contract, the Bidder to whom the Contract has been awarded shall complete and deliver a Performance Bond, a Payment Bond and a Maintenance Bond in the form and with the conditions of the Performance Bond, Payment Bond and Maintenance Bond forms bound with the Contract Documents.

Each Bond shall be for a sum of not less than the total Contract Price Bid for this project less the lump sum bid for the Pay Item No. 2.151 Bonds and shall be maintained by the Contractor until Acceptance of the project. The Maintenance Bond shall be for a sum not less than twenty percent (20%) of the total Contract Price and for duration of no less than one (1) calendar year from the Acceptance of the project.

In the event of insolvency of the surety, the Contractor shall forthwith furnish and maintain, as above provided, other surety satisfactory to the Commission.

All alterations, extensions of time, extra and additional work, and other changes authorized by the Contract Documents may be made without securing the consent of the Surety or Sureties of the Bonds. The amount of the Bonds is not required to be adjusted based upon any changes to the Work.

As per the amended statutes of **N.J.S.A. 2A: 44-143**, a Surety Disclosure Statement and Certification must also be submitted with the bonds. A corporate officer of the surety shall make this disclosure. Power of Attorney shall not be accepted. Signature shall be original and notarized. Fax transmittal shall not be accepted. The disclosure must be submitted on the form located on pages SD1 - SD3 of these Specifications.

The Surety Corporation Bonds shall be furnished by only those Sureties as listed in the current US Treasury Department Circular 570 and authorized to do business in the State of New Jersey. The Bonds shall be accompanied by a certification as to authorization of the attorney-in-fact to commit the Surety Company and a true and correct statement of the financial condition of the said Surety Company.

Payment shall be made under:

| <u>Pay Item No.</u> | <u>Description</u> | <u>Unit</u> |
|---------------------|--------------------|-------------|
| 2.151               | Bonds              | Lump Sum    |

Payment for the Performance, Payment and Maintenance Bonds shall be made at the lump sum price bid or the actual cost whichever is lower and shall be made only upon delivery of a receipted bill or bills.

### **END OF SECTION 151**

## **SECTION 152 – INSURANCE**

### **152.03.01 Owner's and Contractor's Protective Liability Insurance**

#### **A. Policy Requirements**

Add the following to this Subsection and delete conflicting provisions:

The Contractor shall procure and maintain for the life of the Contract and at all times thereafter when the Contractor may be correcting, removing or replacing defective work, insurance for liability for damages imposed by law and assumed under this Contract, of the kinds and in the amounts hereinafter provided, with Insurance Companies authorized to do business in the State of New Jersey. Prior to Contract execution by the Commission, the Contractor shall furnish to the Engineer a Certificate or Certificates of Insurance along with certified copies of insurance policies with declaration pages, endorsements and amendments, in the form satisfactory to the Commission, showing that he has complied with this Subsection. Insurance Binders are not acceptable as a form of Insurance Certificate.

All of the policies of insurance required to be purchased and maintained and the Certificates, Declaration Pages or other evidence thereof shall contain a provision or endorsement that the coverage afforded is not to be canceled, materially changed or renewal refused until at least thirty (30) calendar days prior written notice has been given to the Engineer by certified mail. All Certificates, Notices, Amendments, Endorsements or Declaration Pages shall be mailed to the Commission's Executive Director for approval before the Contract will be executed by the Commission. After approval, the Contractor shall furnish the Engineer with a certified copy of each Policy, including the provisions establishing premiums.

Qualification of Insurers: In order to determine financial strength and reputation of insurance carriers, all companies providing the coverage required shall be licensed or approved by the State of New Jersey, Department of Banking and Insurance, Division of Insurance.

The Contractor shall indemnify and save harmless the Burlington County Bridge Commission, the members thereof and their successors, officers, agents, consultants, and employees of the Commission and the Engineer and their officers, consultants and employees against and from all suits and costs of every kind and description and from all damages to which the Commission or any of its officers, agents, and employees, or the Engineer, its officers, consultants, and employees may be subjected by reason of injury to the person or property of others resulting from the performance of the project or through the negligence of the Contractor or through any improper or defective machinery, implements or appliances used by the Contractor in the performance of the project or through any act or omission on the part of the Contractor, or his agents, employees or servants; and he shall further indemnify and save harmless the Burlington County Bridge Commission, the members thereof and their successors, officers, agents, consultants and employees and the Engineer and their officers, consultants and

employees from all suits and actions of any kind or character whatsoever which may be brought or instituted by any Subcontractor, material man or laborer who has performed work or furnished materials in or about the project or by or on account of any claim or amount recovered for any infringement of patent, trademark or copyright.

So much money as may be due or as may become due the Contractor under and by virtue of the Contract, as shall be considered necessary by the Commission, may be retained by the Commission and held until such suits, actions, claims or amounts shall have been settled and suitable evidence to that effect furnished to the Commission. The Insurance shall cover all operations of the Contractor including any work that may be sublet.

### **B. 1. Comprehensive General Liability Insurance**

Add the following:

The above required comprehensive general liability policy and excess or umbrella policy shall name the Commission, its officers, agents, consultants and employees, the Engineer and their officers, employees and others lawfully on the property as additional insured.

The policy shall be endorsed to cover damages and third party claims as specified under Subsection 107.10 Non-Third Party Beneficiary Clause.

The policy shall be endorsed to cover losses in excess of the specified limits under Subsection 108.22 Liquidated Damages for Deterring Vehicular Traffic.

### **B. 3. Owner's and Contractor's Protective Liability Insurance**

Add the following:

A separate Owner's and Contractor's Protective Liability insurance policy shall be provided. The minimum limit of liability shall be \$4,000,000 per occurrence as a combined single limit for bodily injury and property damage. The policy is to be written for the benefit of the Commission, its officers, employees and agents, the Engineer, their officers, employees, agents; they are to be named as the insured. The Contractor shall provide documentation from the insurance company that indicates the cost of this policy.

### **B. 4. Worker's Compensation and Employer's Liability Insurance**

Add the following:

When a Contractor or Subcontractor is engaged in marine operations he shall be required to obtain U.S. Longshoremen's and Harbor Worker's coverage and maritime coverage.



## **B. 5. Excess Liability Insurance**

The Bidder is reminded that the Standard Specifications states that the Contractor is to "Procure Excess Liability or Umbrella Liability insurance with limits in excess of the underlying policies for Comprehensive General Liability and Comprehensive Automobile Liability with minimum limits of liability of \$10,000,000. Ensure the Excess Liability Insurance policy takes effect (drops down) if the primary coverage is impaired or exhausted. Ensure the excess or umbrella policy has the same terms and conditions as the primary underlying coverage."

Add the following to this Subsection:

### **Subcontractor's Insurance**

If any part of the work is sublet, insurance coverage shall be provided by the Subcontractor(s) to cover that part of the work that each has subcontracted to perform and shall be maintained during the life of each subcontract for the same minimum amounts and kinds of insurance coverage carried by the Contractor including marine risks and other special risks as required. However, if the Commission is of the opinion that the said minimum amounts of coverage appears excessive because of the extent and nature of the work to be performed by the Subcontractor, coverage of lesser amounts may be accepted.

Notwithstanding any of the above provisions, the Contractor shall remain fully responsible for the entire work under this Contract.

### **152.04 Measurement and Payment**

Delete this Subsection in its entirety and substitute the following:

Payment shall be made under:

| <u>Pay Item No.</u> | <u>Description</u> | <u>Unit</u> |
|---------------------|--------------------|-------------|
| 3.152               | Insurance          | Lump Sum    |

Payment for Insurance shall be made at the lump sum price bid or the actual cost whichever is lower and shall be made only upon delivery of a receipted paid bill or bills.

### **END OF SECTION 152**

## **SECTION 153 – PROGRESS SCHEDULE**

### **153.01 Description**

Add the following to the Subsection and delete conflicting provisions:

The Contractor shall plan and prosecute the work of this Contract and shall furnish and use as much labor and equipment as required to complete the work within the time hereinafter specified under Subsection 108.10 Contract Time.

The progress schedule shall be updated monthly. Four (4) copies of the updated progress schedule shall be submitted to the Engineer on or before the third day of each month.

As stated in Subsection 108.03 Daily Communications, a two (2) week “look ahead” work schedule shall be submitted each Friday to list the anticipated work activities to be performed during the upcoming two (2) week period.

The Engineer shall be notified of delays within seven (7) days. Should delays occur, the progress schedule shall be updated to reflect said delays. In addition, a narrative shall be prepared describing the cause of delays and the proposed method to overcome the impact of such delays on the overall project schedule.

Narratives shall be prepared and shall accompany all progress schedule updates. Narratives shall highlight critical and near critical activities and shall explain any change in the progress schedule other than the update.

Payment applications shall not be processed until the above required monthly progress schedule updates have been submitted to the Engineer.

### **153.04 Measurement and Payment**

Delete this Subsection in its entirety and substitute the following:

No separate payment for the Progress Schedule and the two (2) week “look ahead” work schedule shall be made and all costs thereof shall be included under other pay items.

## **END OF SECTION 153**

**SECTION 154 – MOBILIZATION****154.04 Measurement and Payment**

Add the following to the Subsection and delete conflicting provisions:

This work shall be paid for at the contract lump sum price for Mobilization which price shall include labor, materials, plant, equipment, tools, transportation operations, compliance with Coast Guard and all incidentals necessary to complete the work in accordance with the Contract Drawings.

Payment shall be made under:

| <u>Pay Item No.</u> | <u>Description</u> | <u>Unit</u> |
|---------------------|--------------------|-------------|
| 4.154               | Mobilization       | Lump Sum    |

**END OF SECTION 154**

**SECTION 155 – CONSTRUCTION FIELD OFFICE**

Delete this Section in its entirety without replacement

**END OF SECTION 155**

**SECTION 156 – MATERIALS FIELD LABORATORY AND CURING FACILITY**

Delete this Section in its entirety without replacement

**END OF SECTION 156**

## **SECTION 157– CONSTRUCTION LAYOUT AND MONUMENTS**

### **157.03 Procedure**

#### **157.03.01 Construction Layout**

Add the following to the Subsection and delete conflicting provisions:

The Contractor shall field verify all the dimensions and data provided by the Engineer. The elevations in the Contract Drawings are for reference purposes only and are from the record original design drawings of the bridge. No stakes or marks, other than the existing ones shall be considered as included in the payment for the pay items to which the work relates, and no additional compensation will be allowed.

#### **157.04 Measurement and Payment**

Delete this Subsection in its entirety and substitute the following:

No separate payment for Construction Layout and Monuments shall be made and all costs thereof shall be included under other pay items.

**END OF SECTION 157**

## **SECTION 159 – TRAFFIC CONTROL**

### **159.01 Description**

Add the following Subsection:

The work shall also include:

- Staging and control of traffic within the limits of the project, as specified herein, on the Contract Drawings and in conformance with the identified operational constraints.
- Submission and obtaining acceptance from the Engineer for the Traffic Control Plan. The Plan shall include provisions for traffic control devices, maintaining traffic and schedule of the specified lane closures and bridge closures. The Contract Drawings for traffic control shall provide the overall approach to the traffic control during various stages of the work. The Contractor shall further develop details and include in the Traffic Control Plan.
- Provisions for adequate safeguards, safety devices, protective equipment and any other needed actions to protect the life, health and safety of the public and to protect property.
- During any authorized lane or bridge closures, the Contractor shall maintain all traffic control devices as shown on the approved Traffic Control Plan.

At no time shall the Contractor obstruct the creek to navigation or roadway on any of the bridges or roads to pedestrian or vehicular traffic except when prior permission has been duly obtained from the Engineer. In accordance with the requirements of the United States Coast Guard, warning signs are required as indicated on the Contract Drawings. The Contractor shall place these signs as directed by the Engineer in the field.

The Contractor must not impede pedestrian or vehicular traffic except for brief stoppages when absolutely necessary. **No long-term bridge closures will be permitted.** Marine traffic must not be impeded unless written approval is obtained from the US Coast Guard.

### **159.03.02 Traffic Control Devices**

Add the following to this Subsection:

Flagging, signs and all other traffic control devices furnished or provided need not be new but must be in good working condition and shall conform to the standards established in the latest adopted edition of the “Manual on Uniform Traffic Control Devices” (MUTCD) published by the U.S. Department of Transportation. The marine warning signs shall conform to the requirements of the United States Coast Guard.

All signs shall be on portable or temporary mountings available only when the lane closure is in effect. Alternatively, the Contractor may use signs mounted on posts but the Contractor must cover all these signs when lane closure or bridge closure is not in effect. Signs shall be in conformance with MUTCD and can be wood or aluminum.

### **159.03.08 Traffic Direction**

#### **A. Flagger**

Add the following to this Subsection:

The use of a flagger shall be determined by the RE and/or the Commission.

#### **B. Police**

Add the following to this Subsection and delete conflicting provisions:

The Commission shall provide their own police as required for temporary lane and/or bridge closures on the Project at no cost to the Contractor. No other uniform law enforcement officers shall be used.

In the event that the Contractor decides to cancel an approved temporary lane and/or bridge closure, a minimum of four (4) hours advance notice must be provided to the Commission. Furthermore, if the Commission has scheduled specific additional police officers for the temporary closures and the required minimum advance cancellation notice has not been provided, then the Contractor shall promptly reimburse the Commission in the amount of \$600.00 for each police officer.

### **159.03.09 Emergency Towing Service**

Delete this Subsection in its entirety without replacement

### **159.03.10 Traffic Control Plan (TCP)**

**(New Subsection Added)**

The Traffic Control Plan, a detailed narrative describing the proposed staging, traffic control procedures and traffic maintenance operations as well as plans showing the exact location of all traffic control devices, temporary barriers, signs, delineators, flashers, traffic control personnel, lane markings and signs including flashing arrow boards at each stage of the construction, shall be submitted to the Engineer for acceptance as indicated in this Subsection.

Three (3) copies of the Traffic Control Plan shall be submitted within fifteen (15) calendar days upon receipt of Notice to Proceed. The work shall be in strict conformance with the accepted Traffic Control Plan. Modifications shall not be permitted without written approval from the Engineer. No work shall begin until the Engineer accepts the Traffic Control Plan.

The Traffic Control Plan shall also meet the following criteria:



1. The Contractor shall not use areas that are within or adjacent to the project site(s) and open to traffic for placing, storing or operating equipment, materials, personnel or employee vehicles, etc. without obtaining a specific authorization from the Engineer.
2. The Plan shall indicate the details of temporary lighting, installation and connections to maintain the existing lighting during construction.

The Contract Drawings include traffic control plans (lane closure and bridge closure plans), by others, that may be used by the Contractor based on the Contractor's construction phasing and scheduling. Permits have not been obtained for any detour plan associated with a bridge closure. The Contractor is responsible for obtaining traffic control permits.

### **159.03.11 Operational Constraints**

**(New Subsection Added)**

The Contractor shall conduct his work in such a manner as not to interfere, unless it is a coordinated bridge or lane closure, with the free passage of pedestrian or vehicular traffic on the bridge or on the approaches, unless such interference is absolutely necessary for the proper execution of the work or for the protection of vehicles.

Bridge closures refer to vehicular traffic. Bridge must open upon demand for marine traffic unless written approval granted by USCG. The USCG requires us to open on demand between April 1st, and October 31st. The hours of operation are Monday through Friday 3:00pm to 8:00 pm, Saturday and Sunday 1:00 pm to 8:00 pm. Any openings that are needed during off hours require 24-hour advanced notice to schedule an opening. If there is a police or Coast Guard emergency, they will call the Commission for emergency openings.

A listing of all 371 bridge openings from September 1, 2024, to August 31, 2025, is attached to these specifications. This total includes maintenance, test and training bridge openings as listed in the *Reason* column of the report. This details the bridge openings for the last twelve months.

All requested bridge or temporary lane closure(s) must be justified by the Contractor to the satisfaction of the Commission.

The Contractor shall be responsible for obtaining the required permits, including highway occupancy permits, from the local entities and the New Jersey Department of Transportation as required, on behalf of the Commission.

Bridge or temporary lane closure(s) shall not be permitted the day before, the day of and the day after any recognized Commission holiday.

A traffic coordination meeting shall be required to be held a minimum of 45 minutes prior to any Commission approved temporary lane or bridge closure to ensure that all involved parties have a clear understanding of the necessary traffic control to be implemented and that all required advanced activities have been completed prior to the closure. The meeting shall be held on site and shall include the Contractor, Subcontractor if applicable, the Engineer, the Commission's Police Department and any other parties deemed required by the Engineer. The scheduled temporary lane or bridge closure shall not commence until it has been confirmed that all parties are ready to perform their assigned tasks for the closure.

The Contractor shall obey all municipal and state laws and regulations during performance of the work.

#### **159.04 Measurement and Payment**

Add the following and delete conflicting provisions:

This work shall be paid for at the contract lump sum, for Traffic Control for the amount not to exceed which price shall include labor, materials, plant, equipment, tools, signing and all incidentals necessary to complete the work in accordance with the Contract Drawings

Payment for any required permits associated with Traffic Control shall be paid as a reimbursable direct expense and drawn from the predetermined amount specified.

Payment shall be made under:

| <u>Pay Item No.</u> | <u>Description</u> | <u>Unit</u>          |
|---------------------|--------------------|----------------------|
| 5.159               | Traffic Control    | Lump Sum             |
| 6.159               | Permits            | Predetermined Amount |

#### **END OF SECTION 159**

**SECTION 160 – PRICE ADJUSTMENTS****160.03 Procedure****160.03.01 Fuel Price Adjustment**

Delete this Subsection in its entirety and substitute the following:

No pay items of this Contract are eligible for fuel price adjustment and the provisions of this Subsection shall not apply to this Contract. There will be no additional payment for fuel price adjustment.

**END OF SECTION 160**

## **DIVISION 500 – BRIDGES AND STRUCTURES**

## **DIVISION 500 – BRIDGES AND STRUCTURES**

### **SECTION 506 – STRUCTURAL STEEL**

This section is for the bridge steel repairs as detailed on the steel repair plans, and miscellaneous steel repairs after sand blasting the bridge and pack rust removal before painting.

#### **506.03 Construction**

##### **506.03.01 Structural Steel**

###### **D. Erecting**

Add the following to the Subsection and delete conflicting provisions:

Where new steel is to be connected to existing steel, the existing surfaces shall be cleaned to bare steel of all paint, loose rust and other foreign material prior to installation of new material. Existing paint shall be cleaned from all areas within 2 inches of proposed bolted connections.

All edges of holes due to section loss in members (areas with 100% section loss) shall be ground smooth, to a minimum thickness of 1/8", prior to repair and application of coating system.

In areas where bolted connections are used, use metal reinforced epoxy filler to fill in section loss and pitting prior to installing the new steel plates. Apply the epoxy filler and ensure that it remains workable immediately prior to placing the new steel plate. Apply a sufficient quantity of the filler so that excess material will be squeezed out during the installation of the bolts. Properly dress excess material in a workmanlike manner prior to hardening.

Contractor shall submit detailed written plan of operation for approval prior to performing work. The detailed written plan shall include details of all work platforms, temporary supports, equipment, and materials. Also, the need to balance the Swing Span as indicated in Section 515.

###### **E. Installing High-Strength Steel Bolts**

Add the following to the end of the subsection and delete conflicting provisions:

Where bolts are to be installed to provide a bolted connection replacing the existing cracked welded connection, the existing weld shall be removed by grinding the existing weld. Upon removal of the weld, the base of the metal around the weld shall be examined for surface irregularities and deterioration. All oxidized material, nicks, burrs, steel peaks

and cusps that would interfere with the setting of bolt heads, nuts and washers shall be removed. High-strength steel bolts with nuts and washers shall then be used to provide, as a minimum, the strength of an ASTM A325 bolt of the diameter used in the repair. Any damage to the structure during weld removal operations shall be immediately repaired to the satisfaction of the Engineer prior to the installation of any bolts at no cost to the Commission.

#### **G. Miscellaneous Structural Steel Repairs (If and Where Directed)**

**(New Subsection Added)**

During the blast cleaning and pack rust removal operations, as outlined in Subsection 554.03.02 B. 2., Contractor may be requested to implement miscellaneous structural repairs to select steel members, connections, etc. Work to be performed shall be as directed by the Engineer by issuance of a task order. The task order will include repair plans and specifications, as needed, to describe the work to be performed. The contractor will be required to provide to the Engineer a lump sum cost. Item shall be paid under the Miscellaneous Steel Repair item.

#### **506.03.06 Cleaning and Painting**

**(New Subsection Added)**

##### **General**

A complete coating system of Carboline Carbomastic 90 Aluminum Epoxy Mastic or approved equal and Carboline Carbothane 133 LH finish coat or approved equal shall be used for painting all new structural steel under this contract unless specifically specified otherwise.

Epoxy mastic shall not be applied to surfaces that will be in contact with freshly placed concrete. One coat of Carboline 858 zinc rich primer or approved equal shall be applied instead.

##### **Contact Surfaces**

Contact surfaces at connections, joints and splices made with high strength bolts shall be free of oil, paint and lacquer. Top flanges of floor beams, stringers and cross beams shall be cleaned in accordance with the requirements of SSPC-SP2 Hand Tool Cleaning and/or SSPC-SP3 Power Tool Cleaning at the time of installation of the required top flange cover plates and the spacer tees and flange plates. No separate payment will be made for cleaning contact surfaces, as defined above, and costs for such cleaning shall be considered as included in the cost for the new material being installed.

### Number of Coats and Film Thickness

The dry film thickness of the paint at any point shall not be less than the following:

|                          |  |
|--------------------------|--|
| First epoxy mastic coat  | 5.0 Mils (127 micrometers)                                   |
| Second epoxy mastic coat | 3.0 Mils (76 micrometers)                                    |
| Finish coat              | 2.0 Mils (51 micrometers)                                    |
| For the 3 Coat System    | 10.0 Mils + 2.0 Mils / - 0.0 Mils<br>(254 +51/0 micrometers) |

All contact surfaces with freshly placed concrete shall be coated with one coat of Carbolite 858 zinc rich primer or approved equal in lieu of the three (3) coat system. The dry film thickness of the zinc rich primer shall be 2.5 to 4.0 Mils (51 to 102 micrometers).

### Color

The finish coat shall match the color of the existing finish coat as closely as is practicable.

The color shall match the existing color of the structure. The existing color is green which is similar to Color Chip No. EA-24172 of Aerospace Material Specifications Standard 595.

### **506.04 Measurement and Payment**

Add the following to this Subsection and delete conflicting provisions:

Payment for Miscellaneous Structural Steel Repairs, if and Where Directed, will be measured on a lump sum basis for each repair as directed by the Engineer not to exceed the amount shown on the Bid Item 23.506. The payment for all approved repairs, as duly accepted by the Engineer, will be under this item. The payment will be based upon the actual cost with a five (5) percent markup allowed and includes, all labor, material, equipment, tools and incidental costs as required for the work to be completed. The cost of each repair shall be negotiated with the Engineer and applied to the lump sum allowance bid for this item.

Payments shall be made under:

| <u>Pay Item No.</u> | <u>Description</u>                          | <u>Unit</u> |
|---------------------|---|-------------|
| 7.506               | Fabricated Structural Steel - Repairs (R1)  | Each        |
| 8.506               | Fabricated Structural Steel - Repairs (R2)  | Each        |
| 9.506               | Fabricated Structural Steel - Repairs (R3)  | Each        |
| 10.506              | Fabricated Structural Steel - Repairs (R4)  | Each        |
| 11.506              | Fabricated Structural Steel - Repairs (R5)  | Each        |
| 12.506              | Fabricated Structural Steel - Repairs (R6)  | Each        |
| 13.506              | Fabricated Structural Steel - Repairs (R7)  | Each        |
| 14.506              | Fabricated Structural Steel - Repairs (R8)  | Each        |
| 15.506              | Fabricated Structural Steel - Repairs (R9)  | Each        |
| 16.506              | Fabricated Structural Steel - Repairs (R10) | Each        |
| 17.506              | Fabricated Structural Steel - Repairs (R11) | Each        |
| 18.506              | Fabricated Structural Steel - Repairs (R12) | Each        |
| 19.506              | Fabricated Structural Steel - Repairs (R13) | Each        |
| 20.506              | Fabricated Structural Steel - Repairs (R14) | Each        |
| 21.506              | Fabricated Structural Steel - Repairs (R15) | Each        |



| <u>Pay Item No.</u> | <u>Description</u>   | <u>Unit</u> |
|---------------------|--|-------------|
| 23.506              | Miscellaneous Structural Steel Repairs (If and Where Directed) | Lump Sum    |

**END OF SECTION 506**

## **SECTION 507 – CONCRETE BRIDGE DECK, BRIDGE PARAPET, AND APPROACHES**

### **507.01 DESCRIPTION**

Replace this section with the following:

This Section describes the requirements for reconstructing/ repairing the swing span concrete filled steel grid with Polyester Polymer Concrete (PPC).

### **507.02 MATERIALS**

#### **507.02.01    Material**

Add the following to the Material Section:

Polyester Polymer Concrete (PPC) ..... 903.11

### **507.04 MEASUREMENT AND PAYMENT**

The Polyester Polymer Concrete (PPC) will be paid under items in Section 551.

**END OF SECTION 507**

**SECTION 510 – TIMBER STRUCTURES****510.01 Description**

Replace this subsection with the following:

This Section describes the requirements for constructing structures or parts of structures, other than piles, composed of treated or untreated timber, or a combination of both, on prepared foundations, including the repair of the existing fender structure.

**510.02 Materials**

Add the following to the beginning of this Subsection:

All wood treatment materials (herbicides, preservatives, oils, etc.) shall be in accordance with N.J.A.C 7:30-1 *et seq.* and submitted for approval prior to application.

**510.04 Measurement and Payment**

Add the following to the beginning of this subsection:

All fender repair work (timber repair/replacement, vegetation removal, etc.) will be paid under items in Section 511.

**END OF SECTION 510**

## **SECTION 511 – BULKHEAD, FENDER, AND DOLPHIN SYSTEMS**

### **511.01 Description**

Replace this subsection with the following:

This Section describes the requirements for constructing bulkhead, fender, and dolphin systems using concrete, steel, timber, or polymer structural members, including the vegetation removal and repair of the existing fender structure.

### **511.03 Construction**

#### **511.03.02 Timber Fender**

**(New Subsection)**

**A. Construction.** Construct timber structures and fender system as per the drawings notes and according to specification Sections “510 – Timber Structures” and “511 – Bulkhead, Fender and Dolphin System” and other Standard Specification as applicable.

**B. Submittals.** Contractor shall submit the following:

1. Vegetation Growth Removal Plan. Proposed means and methods for removing vegetation growth from the existing system, including methodology, tools, debris capture system and waterway access/staging plan. Contractor to assure that proposed methodology shall not damage the parts of the existing structure to remain. If damage occurs, Contractor shall repair or replace in a manner satisfactory to the Engineer at no extra cost to the Commission. Plan shall be submitted at least 15 days prior to work.
2. Materials. Contractor shall submit all proposed herbicides, preservatives and other wood treatments for approval prior to commencement of any application.
3. Proposed Limits. After vegetation growth has been substantially removed, Contractor shall identify the worst conditions and submit the proposed limits of timber elements to be replaced (inclusive of the additional 50% quantity) to the Engineer for approval.

### **511.04 Measurement and Payment**

Add the following to this subsection:

The Department will measure and make payment for Items as follows:

| Pay Item No. | Item                    | Pay Unit |
|--------------|-------------------------|----------|
| 26.511       | Fender Repairs – Pier A | Lump Sum |
| 27.511       | Fender Repairs – Pier B | Lump Sum |

| Pay Item No. | Item                                    | Pay Unit |
|--------------|---|----------|
| 28.511       | Fender Repairs – Center Pier            | Lump Sum |
| 29.511       | Fender Vegetation Removal – Pier A      | Lump Sum |
| 30.511       | Fender Vegetation Removal – Pier B      | Lump Sum |
| 31.511       | Fender Vegetation Removal – Center Pier | Lump Sum |
| 32.511       | Unforeseen Fender Repairs               | Lump Sum |

Incidental Work: As noted in the drawings, the following items shall be considered incidental to the timber fender work: all hardware (mechanical fasteners, washers, drift pins, etc.), demolition and disposal of existing members to be replaced, waler support strengthening detail (see Fender drawing F-4), timber treatments and preservatives, and the temporary removal, storage and reattachment of signs, new signs (temporary marine warning signs and permanent tidal gauge signs), conduit, lighting, nose plates, splice plates, nose plates and other appurtenances as required to perform timber replacement.

Fender Repair Measurement: The total linear feet of timber fender to be replaced that is shown in the Table of Quantities is based on: the timber elements identified in the drawings plus 50% additional quantity. It is assumed that the fender will have continued to deteriorate since the initial inspection and that additional deterioration will be exposed during vegetation growth removal. The additional quantity is intended to be utilized during repairs.

Unforeseen Repair Allowance. An additional pay item has been included for “unforeseen” fender repairs, Chapter I, Subchapter J, Part 118 which may be revealed during construction or cleaning activities but are not covered in the scope of the repair plans. Payment for Unforeseen Fender Repairs will be measured on a lump sum basis for each repair as directed by the Engineer, including all labor, material, equipment, tools and incidental costs as required for the work to be completed. The cost of each repair shall be negotiated with the Engineer and applied to the lump sum allowance bid for this item. The bidding estimate for Pay Item No. 32.511 shall be a Dollar amount as indicated in the schedule of Bid

### **END OF SECTION 511**

**SECTION 515 – SPAN BALANCING****(New Section Added)****515.01 Description**

This work shall include all materials, equipment and labor necessary to record and modify the balance of the swing span.

The Commission will adjust the balance wheels prior to this project commencing. Assume that the wheels will not be in contact with the track when the wedges are pulled.

**515.02 Materials**

The Contractor shall provide all materials necessary to record and modify the balance of the swing span.

**515.03 Construction**

The Contractor shall determine the balance and adjust the balance of the swing span longitudinally and transversely about the center bearing a minimum of five (5) times as follows:

1. Initial span balance testing prior to construction
2. After placing painting containment system
3. After completing steel repairs
4. After completing end of deck repairs
5. Final balance testing at the completion of the Contract work

Detailed balance calculations and a detailed procedure sealed by a Professional Engineer licensed in the State of New Jersey shall be submitted to the Engineer for review at least six (6) weeks prior to balancing the swing span.

The following procedure is offered for the Contractor's consideration. The Contractor is advised that the procedure offered below demonstrates a method of balancing the bridge but is not complete in all respects. The Contractor's procedure shall include a complete description of all equipment and methods to be employed. The Contractor may submit an alternate procedure for review. Alternate procedures will be reviewed and accepted or rejected at the sole discretion of the Engineer.

The Contractor is advised that the weight additions recommended in the following procedures to achieve proper balance are based on an assumed frictional coefficient at the center bearing. The weight additions may vary significantly depending on the actual coefficient of friction determined through this work.

The bridge shall be closed to vehicular traffic for the duration of every cycle of span balancing.

## A. Longitudinal Balance

1. Allow the center bearing to be the sole supporter of the swing span. Remove any installed blocking (if applicable) and withdraw the center and end wedges.
2. Determine the distance between the balance wheels and the balance wheel track at the four (4) balance wheels closest to the longitudinal centerline of the bridge.
3. Jack the bridge using two 10 ton hydraulic jacks on the side of the center bearing which has the least clearance at the balance wheels. The jacks shall be at the same radial distance and equally spaced about the longitudinal center line of the bridge (+/- ¼"). Connect the two jacks so that the pressure to each jack is the same. Jacks shall be equipped with load cell indicators.
4. Jack the bridge until one of the balance wheels on the opposite side of the center bearing from the jacks just contacts the balance wheel track.
5. Release the pressure in the jacks and determine if the bridge remains in the jacked position or if the bridge returns to the position prior to jacking.
6. If the bridge returns to the position prior to jacking then the span is out of balance in the longitudinal direction. If the span does not return to its original position proceed to step 10.
7. Drive the end and the center wedges or install blocking to secure the bridge for the purpose of adding weight to the bridge.
8. Add temporary weight at the end of the bridge opposite from the jacks or remove temporary weight at the end of the bridge closest to the jacks incrementally (up to 300 lb at one time). Weights may be placed on the deck along the end floorbeam.
9. Repeat steps one through eight until the span does not return to its original position after jacking. Limit weight additions to avoid tipping the span.
10. Jack the bridge from the low side (side with balance wheel in contact) with a dial indicator positioned to indicate movement of the center bearing top casting on the side of the center bearing opposite from the jacks. Dial indicator to be on longitudinal centerline of the bridge. Determine the force required to initiate movement. Record this value as  $F_{east}$  or  $F_{west}$  accordingly.
11. Jack the bridge until the balance wheels opposite the jacks just contact the balance wheel track.
12. Jack the bridge from the opposite side with a dial indicator positioned to indicate movement of the center bearing top casting on the side of the center bearing opposite from the jacks. Dial indicator to be on longitudinal centerline of the bridge. Determine the force required to initiate movement. Record this value as  $F_{east}$  or  $F_{west}$  accordingly.
13. Determine the imbalance force at the east side using the following equation:

$$F_{ie} = F_{west} - (F_{east} + F_{west}) / 2$$

14. Determine the required weight change at the east end of the bridge using the following equation:

$$W_{east} = F_{ie} \times d / D$$

Where,

$F_{ie}$  = Imbalance force east (from step 13)

$d$  = Distance to jacks along longitudinal axis of bridge

$D$  = Distance to added weight along longitudinal axis of bridge

$W_{east}$  = Weight change at east end of bridge

Note: If  $W_{east}$  is negative, remove weight from east end of bridge or add weight to west end of bridge. If  $W_{east}$  is positive, add weight to east end of bridge or remove weight from west end of bridge.

15. Make the weight changes determined in step 14. Retest to verify that  $F_{east}$  and  $F_{west}$  are equal. If the two are within 10% the longitudinal balance is complete.

## B. Transverse Balance

1. Allow the center bearing to be the sole supporter of the swing span. Remove any installed blocking (if applicable) and withdraw the center and end wedges.
2. Determine the distance between the balance wheels and the balance wheel track for each of the six (6) balance wheels.
3. Jack the bridge using two 10 ton hydraulic jacks on the side of the center bearing (north or south) which has the least clearance at the balance wheels. The jacks shall be at the same radial distance and equally spaced about the transverse center line of the bridge (+/- 1/4"). Connect the two jacks so that the pressure to each jack is the same. Jacks shall be equipped with load cell indicators.
4. Jack the bridge until one of the balance wheels on the opposite side of the center bearing from the jacks just contacts the balance wheel track.
5. Release the pressure in the jacks and determine if the bridge remains in the jacked position or returns to the position prior to jacking.
6. If the bridge returns to the position prior to jacking then the span is out of balance in the transverse direction. If the span does not return to its original position proceed to step 10.
7. Drive the end and center wedges or install blocking to secure the bridge for the purpose of adding weight to the bridge.
8. Add temporary weight at the side of the bridge opposite from the jacks incrementally (up to 300 lb at one time). Temporary weights may be placed on the deck near the girder
9. Repeat steps one through eight until the span does not return to its original position after jacking. Limit weight additions to avoid tipping the span.
10. Jack the bridge from the low side (side with balance wheel in contact) with a dial indicator positioned to indicate movement of the center bearing top casting on the side of the center bearing opposite from the jacks. Dial indicator to be on transverse centerline of the bridge. Determine the force required to initiate movement. Record this value as  $F_{north}$  or  $F_{south}$  accordingly.
11. Jack the bridge until the balance wheels opposite the jacks just contact the balance wheel track.
12. Jack the bridge from the opposite side with a dial indicator positioned to indicate movement of the center bearing top casting on the side of the center bearing opposite from the jacks. Dial indicator to be on transverse centerline of the bridge. Determine the force required to initiate movement of the pivot top casting. Record this value as  $F_{north}$  or  $F_{south}$  accordingly.
13. Determine the imbalance force at the south side using the following equation:



$$F_{is} = F_{north} - (F_{south} + F_{north}) / 2$$

14. Determine the required weight change at the south side of the bridge using the following equation:

$$W_{south} = F_{is} \times d / D$$

Where,

$F_{is}$  = Imbalance force south (from step 13)

$d$  = Distance to jacks along transverse axis of bridge

$D$  = Distance to added weight along transverse of bridge

$W_{south}$  = Weight change at south side of bridge

Note: If  $W_{south}$  is negative, remove weight from south side of bridge or add weight to north side of bridge. If  $W_{south}$  is positive, add weight to south side of bridge or remove weight from north side of bridge.

Make the weight changes determined in step 14. Retest to verify that  $F_{north}$  and  $F_{south}$  are equal within 10% and the transverse balance is complete.

The Contractor shall determine the location and method of attachment for securing permanent weights to the existing swing span. Full details for weight changes to the span shall be provided to the Engineer for review.

### **C. Submittals Related to Span Balance**

The Contractor shall submit the following to the Engineer for review at least six (6) weeks prior to swing span balancing:

1. Balance calculations showing the effect of all items added to or removed from the swing span during the time that the span is operational.
2. Balance procedure including a complete description of all equipment and methods to be used for balancing the swing span.
3. The Contractor shall provide full details for potential weight additions including method of attachment to existing structure.

### **515.04 Measurement and Payment**

Payment for all costs associated with span balancing shall be made under:

| <u>Pay Item No.</u> | <u>Pay Item</u> | <u>Unit</u> |
|---------------------|-----------------|-------------|
| 37.515              | Span Balancing  | Lump Sum    |

### **END OF SECTION 515**

# **DIVISION 550 – STRUCTURE REHABILITATION**

## **DIVISION 550 – STRUCTURE REHABILITATION**

### **SECTION 551 – BRIDGE DECK REHABILITATION**

#### **551.01 Description**

THE FOLLOWING IS ADDED:

This Section also includes the requirements for applying a polyester polymer concrete (PPC) to the Swing Span deck as designated on the plans including preparation of the receiving surface and construction of sample panels.

This Section describes the requirements for all materials, labor and equipment required for the swing span deck repairs at the south and north ends. This work involves the bituminous overlay removal, bridge surface preparation using hydro demolition or hand tools to provide a rough and bondable surface and to remove unsound concrete. The demolition method shall not impact the condition of the existing steel deck grid. This work includes the removal and disposal of concrete and debris, vacuuming, shielding, water control, hand tools chipping, and formwork necessary for the placement of a new polyester polymer concrete as indicated and directed.

#### **551.02 MATERIALS**

##### **551.02.01 Materials**

THE FOLLOWING IS ADDED:

Polyester Polymer Concrete (PPC) .....903.11

THE FOLLOWING IS ADDED:

##### **551.02.01.01 Certification of Compliance**

The Burlington County Bridge Commission will accept materials, as specified, on the basis of Certificates of Compliance stating that the materials or assemblies fully comply with the requirements of the Contract.

The Burlington County Bridge Commission has the right to sample and test materials or assemblies accepted on the basis of Certificates of Compliance at any time. The Burlington County Bridge Commission will reject materials or assemblies, whether in place or not, that do not conform to the Contract requirements.

Ensure that Four (4) copies of the manufacturer's Certificates of Compliance are provided with each delivery of materials, components, and manufactured items that are accepted by certification. Retain one (1) copy and submit three (3) copies to the RE. Provide a transmittal identifying the Item for which it is submitted with the Certificate of Compliance. Ensure that Certificates of Compliance contain the following information:

1. Project Name.
2. Name of the Prime Contractor.
3. Material description.
4. Quantity of material represented by the certificate.
5. Means of identifying the consignment, such as label marking and seal number.
6. Date and method of shipment.
7. A statement that the material conforms to the Contract material requirements and that representative samples have been sampled and tested.
8. If the submission is for an assembly of materials, a statement that the assembly conforms to the Contract.
9. Signature of a person having legal authority to bind the supplier.
10. Signature attested to by a notary public or other properly authorized person.

The Burlington County Bridge Commission will not make payment for work for which material is accepted on the basis of a Certificate of Compliance until the RE has received the required Certificate of Compliance and inspected and accepted the material or assembly.

The Polyester Polymer Concrete (PPC) system consists of a particular brand of resin and a particular brand of primer, so as to be compatible with one another and with the aggregate specified herein, and which when mixed with other specified ingredients and applied as specified herein, is capable of producing a concrete overlay meeting the requirements of this specification.

Ensure that all components of the PPC systems are from the same manufacturer to ensure compatibility of the material.

#### **551.02.02 Equipment**

THE FOLLOWING IS ADDED:

|                                    |         |
|------------------------------------|---------|
| Surface Preparation Equipment..... | 1005.08 |
| Micro-milling equipment.....       | 1005.08 |
| Shoots blasters.....               | 1005.08 |
| Mixing Equipment.....              | 1005.08 |

|                           |         |
|---------------------------|---------|
| Finishing Equipment ..... | 1005.08 |
| Pavement Saw .....        | 1008.04 |

### **551.03 Construction**

#### **551.03.01 Concrete Deck Repair**

Contractor shall follow the construction sequence indicated on the construction plan. Contractor to submit for approval any construction sequence that deviate from what is shown on the construction plans.

#### **B. Saw cut and Removal:**

Replace this subsection with:

Provide temporary shielding, as specified in 201.03.09 to prevent debris from falling below the deck. Remove the temporary roadway steel plates/ return to the Commission, saw cut the existing bituminous overlay to a limit as indicated on the construction plans, and proceed with completely removing the loose concrete between the steel grid using hydro demolition as described in the following section.

THE FOLLOWING IS ADDED

#### **Hydro demolition:**

A. General: Submit a hydro demolition water control plan to the Engineer for review and approval for control and filtering of water discharged during the hydro demolition operation. Include in the submission the maximum and minimum water pressure (pounds per square inch) and water usage (gallons per minute) the hydro demolition machine will provide. Provide settlement basins or devices to allow only visibly clear water from leaving the project site. Protect scuppers, inlets, and downspouts from material that would cause plugging. Provide free flowing, unobstructed drainage structures at the completion of this operation.

Provide a technical field representative on the project site during the calibration and the hydro demolition surface preparation operation.

#### **B. Equipment:**

Hydro demolition Equipment: The hydro demolition equipment is required to be a computerized, self-propelled machine that utilizes a high-pressure water jet stream to provide a rough and bondable surface while removing unsound concrete, rust and concrete particles from exposed reinforcement during the hydro demolition operation.

Completely remove construction debris and dust from the bridge deck surface before calibration. Calibration is required each time hydro demolition surface preparation is performed and as required to achieve the results specified.

Provide verification of the following settings to the Representative:

a. Water pressure gauge (psi)

- b. Water usage (gpm)
- c. Machine staging control (step)
- d. Nozzle size
- e. Nozzle speed (travel)

The hydro demolition surface preparation production may begin after the Engineer accepts the calibration and production settings. Maintain and provide the calibration and production settings to the Representative before and during hydro demolition surface preparation production.

If unsatisfactory results are obtained, stop hydro demolition until the equipment deficiency or malfunction is corrected. Provide another hydro demolition unit for calibration if onsite equipment deficiencies cannot be corrected at no additional cost to the Commission. No additional contract time will be provided for equipment deficiencies, malfunctions or recalibration of another hydro demolition unit if required.

In areas inaccessible to hydro demolition units or where the provided coverage is insufficient, use pneumatic hammers not exceeding 30 foot-pounds, operated at no more than a 45 degree angle from horizontal. Hand held water blasting equipment capable of delivering a minimum of 25 gpm at 10,000 psi are also allowed. Use chipping hammers not exceeding 15 foot-pounds or hand held water blasting equipment when removing concrete within one inch of the reinforcement steel.

C. Surface Preparation Before Hydro demolition. Provide shielding, as required, to ensure containment of dislodged concrete within the removal area to protect property and the traveling public from flying debris on, adjacent to, and below the work site.

Hydro demolition: Perform hydro demolition surface preparation over the entire top surface of the deck or locations indicated to provide a rough and bondable surface and to remove unsound concrete. Verify and document removal every 30 feet along the cutting path. Do not allow construction equipment on those sections of sidewalk where hydro demolition has begun. Prevent contamination of the sidewalk by providing protection for hydro demolished portions of the deck.

Stop the surface preparation operation if it is determined that sound concrete is being removed.

D. Cleaning. Clean the hydro demolition debris with a vacuum system equipped with fugitive dust control devices and capable of removing wet debris and water in the same pass. Cleaning includes but is not limited to fine material, powder, dust, water, and particles in pockets, voids, and crevices that would hinder the PPC from bonding with the substrate. Use oil-free compressed air to remove excess water and to dry the deck.

Perform cleaning before debris and water dries on the deck surface. Remove material allowed to dry at no additional cost.

THE FOLLOWING IS ADDED:

### **551.03.02 Polyester Polymer Concrete (PPC)**

- A. **Polyester Polymer Concrete (PPC) Bridge Deck.** Before application of the primer, clean the concrete to which the primer will be applied according to the recommendation of the Manufacturer; Remove all oils, asphaltic material, dirt, rubber, curing compounds, paint, carbonation, laitance, weak surface mortar, and any materials which may interfere with the bonding or curing of the PPC concrete system from the exposed concrete face. Use a vacuum cleaner in to remove dust and other loose material. Ensure that the existing concrete is dry and clean at the time of application of the PPC concrete system by blowing clean with oil-free compressed air. Ensure that the exposed face of the deck is dry before placing the high molecular weight Methacrylate (HMWM) prime coat. The concrete surface must be at least 50°F and at most 85°F, and the relative humidity must be or = 85 percent. Apply the HMWM primer to the existing concrete surface within 5 minutes of mixing. The HMWM primer must be spread uniformly and must cover the existing concrete surface completely. Ensure that the rate of spread of HMWM primer is approximately 1.28 ounces per square foot of exposed surface on which the HMWM primer is applied, or as recommended by the Manufacturer. Place the PPC immediately after applying the HMWM primer and before the concrete gels, and within 15 minutes of adding the initiator, whichever occurs first. Finish the top surface with hand tools to strike-off; match the same elevation and cross-slope as the adjacent existing concrete deck, deck joint armoring, or drainage scuppers where applicable. Apply the sand finish by either mechanical means or by hand-broadcasting immediately after strike-off of at least 2.75 ounces / square foot before the PPC gels. PPC must have an initial set time of at least 30 minutes and at most 120 minutes when tested using an initial setting time Gillmore needle under ASTM C 266. Ensure that the PPC is consolidated to a relative compaction of 97 percent minimum. Protect bridge deck from moisture for at least four (4) hours after finishing. Do not permit traffic or equipment on the bridge deck sooner than four (4) hours after final finishing. Remove formwork no sooner than 2 days after PPC bridge deck placement; however, RE will make the final decision for suitability of opening the roadway containing the PPC bridge deck to traffic, based on the recommendations provided by the Manufacturer.
1. **Required Submittals and Meetings:** Meetings: Before commencement of work, hold a job site meeting, including the Contractor, RE, and the PPC system manufacturer's representative in to verify all conditions. The purpose of the meeting is to examine and discuss all prints, drawings, specifications, and procedures affecting the work of this Section. Provide the date, time, location, and sample presentation documents for the proposed seminar to the Commission at least 14 days before the meeting. Ensure that the seminar is at a location within the Project area that is acceptable to the Commission. At the job site meeting, ensure that the seminar includes the following information:
    - Description of required surface preparation techniques
    - Review of the proposed PPC placement procedures and recommended tools and techniques

- Review various tests that need to be done to install this product
- Review of commonly occurring defects, and methods for repair of those defects

Submittals: At least 45 days before start of work, provide the RE with 2 copies of each of: the manufacturer's written instructions for the installation of the PPC; the placement plan; and the safety plan.

The placement plan must include:

- Description of equipment for applying HMWM primer
- Storage and handling of HMWM primer and PPC components
- Description of equipment for measuring, mixing, placing, and finishing the PPC Cure time
- Disposal of excess HMWM primer, PPC, and containers
- Check of whether equipment used for delivery and application of PPC system does not exceed the structural capacity of the existing or nearby structures.

The safety plan must include details for:

- A public safety letter with a list of delivery and posting addresses. The letter must state placement work locations, dates, times, and what work to expect. Deliver the letter to residences and businesses within 100 feet (if any) of placement work and to local fire and police officials at least 7 days before starting work. Post the letter at the job site(s).
  - An airborne emissions monitoring plan prepared and executed by a certified industrial hygienist (CIH), certified in comprehensive practice by the American Board of Industrial Hygiene. The plan must have at least 3 monitoring points, including: the mixing point; the application point; and point of nearest public contact. Monitor airborne emissions during placement work, and submit emissions monitoring results after completing the work.
  - An action plan for protection of the public when airborne emission levels exceed permissible levels
  - An action plan for protection of workers working with and near PPC
  - A submission of the material safety data sheet for each shipment of polyester resin components before use A copy of the CIH certification
2. Quality Control and Assurance: Submit samples of polyester resins and HMWM primer 15 days before use. Notify the RE 15 days before delivery of resin to the job site. Complete a trial placement before starting work. The Contractor may make the trial placement at a location of his choosing within the Project limits, but the location must be approved by the RE and must follow all of the safety plan procedures. The proposed PPC must meet a



required compressive strength of 4000 psi and a required tensile strength of 800 psi., both at 24 hours, demonstrate the suitability of the airborne emissions monitoring plan, and be disposed of as specified in 201.03.09 of the Standard Specifications.

3. Delivery, Storage, and Handling of Materials: Delivery, storage, and handling of materials must conform with the approved Safety Plan and the approved Placement Plan. Ensure that all materials are delivered in original sealed containers that are clearly marked with the Manufacturer's name, product information, and batch number. Store all materials in protected areas out of direct sunlight, with no possibility of getting wet, and at a temperature between 35°F and 80°F. Follow all Manufacturer's specific instructions and prudent safety practices for storage and handling. Do not store any materials on the bridge. Comply with all applicable fire codes.
4. Mixing: Furnish a mechanically continuous mixer specifically for, or modified for, mixing of PPC concrete. The continuous mixer must:
  - Employ an auger screw / chute device;
  - Be equipped with a positive-displacement pump connected to an adjustable catalyst pump;
  - Be equipped with an automatic metering device that measures aggregate and resin volumes. Record volumes at least every 5 minutes, including time and date. Submit a printout of the recorded volumes at the end of each work shift;
  - Have a visible readout gage, visible to the RE at all times, that displays volumes of aggregate and resin being recorded;
  - Produce a satisfactory mix consistently during the demonstration placement;
  - Have a capacity of 9 cubic feet.
5. Mix Design. Add 4 gallons of PPC binder resin to a standard clean mortar mixer,, and begin agitation. Add 7 to 12 ounces of initiator / catalyst, depending on temperature and conditions to achieve a set time of at least 20-40 minutes. Add 100 pounds of coarse aggregate while mortar mixer is turning with binder and catalyst,, and continue agitation. Add 200 pounds of fine aggregate. Mix for an additional 2 minutes, and dump mixed PPC into an approved transfer device (wheelbarrow, etc.). The resin must weigh approximately 12 percent of the weight of the aggregate. Adjust as per the manufacturer's instructions, as mix design modifications are required for temperature and other conditions. The mix design noted above yields approximately 2.5 cubic feet; adjust volume as required.

#### Construction Procedures

##### 1. General.

- A. Delivery, Storage and handling of materials. Ensure that all materials are delivered in original sealed containers, clearly marked with the Manufacturer's name, product information and batch number. Store all materials in protected areas out of direct sunlight, with no possibility of getting wet and at a temperature between 35°F and 80°F. Follow all Manufacturer's specific instructions and prudent safety practices for storage and handling. Do not store any materials on the bridge. Comply with all applicable fire codes.
- B. Packaging and Shipment. Furnish a Material Safety Data Sheet before use for each shipment of polyester resin binder and high molecular weight methacrylate resin. Ensure that all components are shipped in strong, substantial containers, bearing the manufacturer's label specifying date of manufacture, batch number, brand name, quantity, and date of expiration or shelf life. Ensure that the mixing ratio is printed on the label of at least 1 of the system components. Notify the RE in writing 10 days before the delivery of the bulk resin to the job site if bulk resin is to be used. Bulk resin is any resin that is stored in containers in excess of 55 gallons.
- C. Basis of Acceptance. Project acceptance of the polyester PPC materials will be based on the following:
  - 1. Delivery of the PPC materials to the Project site in acceptable containers bearing the entire label information as required stated above.
  - 2. Receipt of a Manufacturer's certification stating the primer, aggregate and polyester binder meet the material requirements as specified in 903.12.
  - 3. Approval by the RE according to the Material requirements above.
  - 4. Surface Preparation. Prepare all structural slab surfaces that will be in contact with the overlay as described in hydro demolition section above.

Ensure that the concrete is dry at the time of application of the PPC.

Clean all steel surfaces that will be in contact with the overlay in accordance with SSPC-SP No. 10, Near-White Blast Cleaning with the exception of steel joint armoring, and do not use wet blasting methods. Provide a light cleaning of the armoring where it will be in contact with the overlay. Avoid stripping the coating for the steel joint armoring and avoid any damage to the armoring.

Ensure that after the cleaning operation is completed there is no visible evidence oil, grease, dirt, rust, loose particles, spent abrasives or other foreign material on any of the surfaces to be overlaid.

## 2. Application.

Apply the PPC during each stage of construction. Install the PPC such that all PPC joints are at the location of final condition lane lines, Abrasive blast joint edges before placement of adjacent PPC.

### Prime Coat

Dry the area and blow clean with oil-free compressed air before applying the prime coat. Ensure that the surface temperature is at least 50 degree F or as recommended by the manufacturer.

Uniformly apply the prime coat to completely cover the surface to receive the polyester concrete. Ensure that the rate of spread is approximately 1.28 ounces per square foot of deck surface or as recommended by the manufacturer. Allow the prime coat to cure at least 15 minutes before placing polyester concrete.

### 3. Field Application

Place the polyester concrete within 3 hours after the prime coat has been applied upon acceptance of the test patch by the RE. Allow the prime coat to cure at least 15 minutes before placing polyester concrete.

Ensure that the polyester concrete contains approximately 12 percent +/- 1 percent polyester resin by weight of dry aggregate.

Place the polyester polymer concrete overlay at a minimum thickness as indicated in the plans.

Termination edges of the PPC may require application and finishing by hand trowel due to obstructions such as a curb or to bevel vertical-faced edges. Follow all hand troweling by broadcasting aggregate or surface texturing while the resin is still wet to provide acceptable surface friction characteristics.

Ensure that the amount of initiator used in polyester concrete is sufficient to produce an initial set time between 30- 120 minutes during placement. The initial set time can be determined by using an initial-setting time Gilmore needle in accordance with the requirements of ASTM Designation: C 266. Accelerators or inhibitors may be required to achieve proper set times and use them as recommended by the resin supplier.

Initiate and thoroughly blend the resin binder just before mixing with aggregate. Mix the polyester concrete as necessary before placing.

Place polyester concrete before gelling and within 15 minutes following addition of initiator, whichever occurs first. Discard polyester concrete that is not placed within this time.

Ensure that the surface temperature of the area to receive polyester concrete is the same as specified above for the prime coat, at least 50 °F or as recommended by the manufacturer.

Use the finishing and texturing equipment with vibratory screed to strike off the PPC to the established grade and cross Section. Fit the finishing and texturing equipment with vibrators and tines or other means of consolidating and texturing the polyester concrete to the required compaction.

Apply the finish sand by either mechanical means or hand broadcasting immediately after strike-off, before gelling occurs, at a rate of at least 2.75 ounces per square foot.

4. Surface, Thickness, and Survey Requirements. The overlay surface will be checked at random by the RE immediately after it has hardened to ensure that no depressions exist that will pond water. The smoothness of the polyester concrete surface will be tested with a straightedge.

Do not allow the surface to vary more than 1/4-inch from the lower edge of a 12-foot long straightedge placed in any direction. Remove any surfaces which fail to conform to the above tolerance by diamond grinding, until the above tolerance is met.

To ensure adequate pavement friction, ensure the completed overlay surface is free of any smooth or "glassy" areas such as those resulting from insufficient quantities of surface aggregate. Repair any such surface defects in the manner recommended by the manufacturer and approved by the RE.

Construct the PPC to meet the required profile and cross section elevations. Perform a survey of the deck before the bituminous overlay removal and after the overlay has been installed to confirm the quantity installed. Submit the survey results for approval. Take survey shots at maximum intervals of 25 feet along each lane line.

5. Curing. Do not allow traffic and equipment on the PPC for at least 4 hours following final finishing. Protect the overlays from moisture for not less than 4 hours after finishing. Allow the polyester overlay to reach final cure before subjecting it to traffic loads. Cure time is dependent upon the ambient and deck temperatures. Actual degree of cure and suitability of the PPC for traffic will be as determined by the RE. If any areas are damaged due to premature loading of the overlay, repair the area to the satisfaction of the RE.
6. Contractor to provide hot poured joint sealer to seal the contact face between the existing bituminous overlay and newly installed PPC as directed by RE.

#### **551.03.03 STEEL GRID REPAIR ( New subsection added)**

Modify end of the steel grid deck as indicated on the construction plan. Use ASTM A36/A709 Grade 36 steel for the new deck grid supporting angles.

New and existing steel shall be fabricated and painted as detailed on the plans and in division 500 section 506.

#### **551.04 MEASUREMENT AND PAYMENT**

THE FOLLOWING IS ADDED:

The unit price includes the System Provider's Technical Representative's reviews and site visits. Hydro Demolition and the hand tool removal of the concrete grid deck is incidental to the Polyester Polymer Concrete installation.

Payment for Items as follows:

| <u>Pay Item No.</u> | <u>Pay Item</u>                             | <u>Pay Unit</u> |
|---------------------|---|-----------------|
| 22.506              | Fabricated Structural Steel – Repairs (R16) | Lump Sum*       |
| 24.551              | Bituminous Overlay Removal                  | 20 SY           |
| 25.551              | Polyester Polymer Concrete (PPC)            | 60 CF           |

Provide an PPC meeting the nominal dimensions shown on the Plans while meeting the profile and cross section elevations.

\* The Lump Sum item for the fabricated structural steel includes approximately 1000 lb.

**END OF SECTION 551**

## **SECTION 554 – PAINTING EXISTING BRIDGES**

### **554.01 Description**

Add the following:

This work shall consist of furnishing and application of specified coatings on all surfaces of the entire steel members of the Riverside-Delanco three spans Bridge. The work shall also include cleaning and application of specified treatment to all the surfaces to be coated prior to the application of the coatings. The bridge machinery, and mechanical components of the Riverside-Delanco Bridge shall be treated as specified. All electrical components such as conduits, junction boxes, navigation lights, etc., and zinc-coated members shall be treated as specified. The work shall also include furnishing, fabrication, installation, maintenance, removal, and disposal of all temporary structures required to prosecute the work of this Contract. Containment and disposal of debris, both hazardous and non-hazardous type, shall also be included in the work accomplished. All of this work shall be in conformance with the Contract Drawings and Contract Specifications.

As specified elsewhere in these Supplementary Specifications, the Contractor shall submit a written Plan of Operation (Plan) describing his work methodology, temporary structures, containment, collection and disposal methods, painting process and conditions, and overall schedule, all in conformance with the Contract Specifications. Methods of disposal of lead based debris if required, and provisions for LHASP and other required submittals shall be included in the Plan. The Plan shall be submitted no later than twenty-one (21) calendar days after the date of the Notice to Proceed.

The Riverside-Delanco Bridge is a movable bridge with a swing span over a central pier. The Contractor shall note that during the prosecution of work on the Riverside- Delanco Bridge the Span shall always remain available and operational to navigation. **Pedestrian traffic must be maintained.**

The Contractor shall exercise extra care and provide all the necessary means of protection to protect the bridge machinery and other components from paint flakes, debris, etc. If any accidental damage does occur, the Contractor shall alleviate the condition to the satisfaction of the Engineer at no cost to the Commission.

### **Existing Paint on the Bridges:**

The Riverside-Delanco Bridge was last painted in 2001 and has the following paint system:

Rustbond Penetrating sealer

1-2 mils DFT

Two (2) touch-up coats of Carboline Carbomastic 90 Aluminum Epoxy Mastic applied to designated corroded surfaces 8-10 mils DFT

Carboline Carbothane 133 HB Polyurethane 3-5 mils DFT

The surface preparation was Near White Blast Clean.

## **554.02 MATERIALS**

### **554.02.01 Materials**

Add the following to this Subsection:

All paint system shall confirm to NJDOT qualified materials.

The paint system adopted is as follows:

The entire bridge structure shall receive a single full coat of Rustbond Penetrating Sealer or approved equal, with DFT of 1-2 mils dry film build, two (2) coats of Carboline Carbomastic 90 Aluminum Epoxy Mastic or approved equal, with a total DFT of 8-10 mils, and a top coat of Carboline Carbothane 133 HB Polyurethane or approved equal, with DFT of 3-5 mils.

The color shall match the existing color of the structure. The existing color is green which is similar to Color Chip No. EA-24172 of Aerospace Material Specifications Standard 595.

In addition to the above, the bridge machinery, mechanical components, and the pier top, as indicated on the Contract Drawings, shall have the following specialty paint systems applied after the specified surface treatment:

#### **For the Center Pier Markings (red and white color):**

The alternate red and white striping per Contract Drawings shall be one coat of Carboline Carboguard 954 HB epoxy or approved equal of DFT of 10-15 mils. Added to the wet, freshly applied epoxy, a broadcast of 40-60 mesh Silica aggregate, in the proportion of ½ lb. per square foot. This coat shall be top coated with one coat of Carboline Carbothane 133 HB polyurethane or approved equal of DFT 3-5 mils. The color shall conform to Carboline #S800 for white, and Carboline #5555 for red.

#### **For Machinery, Mechanical Components, and Navigational Lights:**

All components shall receive a prime coat of Carboline Rustbond Penetrating Sealer or approved equal and two coats of Carboline Carbothane 133 HB polyurethane or approved equal with DFT of 7-14 mils total. The color, when so indicated, shall be

federal safety orange conforming to Carboline #4444, or Grey conforming to Carboline #2713 or similar to the color of the structure, i.e., green conforming to Carboline #2357.

All zinc coated components including electrical and other cable conduits, junction boxes and electrical cabinets shall be painted only if at the present time they are painted. Upon specified surface treatment, they shall be painted as follows:

A prime coat of Carboline Rustbond Penetrating Sealer or approved equal with DFT of 1-2.5 mils, followed by two topcoats of Carboline Carbothane 133 HB polyurethane or approved equal with a total DFT of 8-10 mils.

All zinc-coated surfaces not painted shall not receive any coating and will remain unpainted.

All name plates on the structure, shall receive a coat of Rustbond Penetrating Sealer or approved equal with DFT of 1-2.5 mils followed by two coats of Carbocoat 30 Silicone Alkyd or approved equal with a total DFT of 4-6 mils. The color shall be as indicated or as directed by the Engineer in field.

## **Submittals**

The contractor shall submit the following:

### **1. Protection Measures.**

Proposed methods, means, materials, procedures and measures for complying with specified requirements for protection, blast cleaning and spray painting enclosures shall be submitted in detail with supporting calculations, drawings, diagrams, specifications and manufacturer's data. The approval of submittals shall be obtained prior to commencement of any field work.

### **2. Manufacturer's Data.**

The paint manufacturer's name, address, and telephone number. The name, address and telephone number of the paint manufacturer's technical representative. Full manufacturer's technical product data for each type of coating and manufacturer's recommended application instructions shall be provided.

### **3. Coating Samples.**

Two one-quart samples of each type and color of coating shall be provided. Samples shall be submitted in factory sealed containers legibly labeled with data describing the contents.



#### 4. Blast Cleaned Samples.

A minimum of four sets of blast cleaned sample panels shall be submitted. Each panel shall be blast cleaned to bare metal in accordance with the surface specified hereinafter. The sample panels shall be of structural carbon steel plate, eight inches square and shall be three sixteenths inch thick. The blast cleaned samples shall be representative of the steel to be blast cleaned. Each set shall consist of three panels. Panel number one shall be cleaned to exhibit the surface designated B Sa 2, panel number two to exhibit the surface designated C Sa 2, and panel number three to exhibit the surface designated D Sa 2, of SSPC-Vis 1, titled, Color Photographic Standards for Surface Preparation. The steel surfaces of the blast cleaned samples shall exhibit an angular profile depth, or height, from 1.0 to 3.0 mils. After approval of the samples by the Engineer, the approved samples shall represent the required surface cleanliness and appearance of the steel prior to application of the first coating.

The blast cleaned samples shall be maintained completely protected from corrosion and contamination by thermal encasement in transparent acrylic plastic. Each sample shall be provided with a lug, handle or other device for convenient handling, and with a canvas or plastic sheath with end closure or with a wooden sample box with hinged cover and latch.

Two of the sample sets will be retained by the Engineer for use as visual reference standards for the duration of the project. The contractor will be given the remainder of the sample sets for his use for the same purpose. Should any question arise as to the cleanliness of any surface prior to application of the first coating, the surface in question will be compared to an appropriate, approved blast cleaned sample by the Engineer. The Engineer will then determine whether the surface in question has been satisfactorily cleaned.

#### 5. Sample Painted Panels.

A minimum of four sample painted panels shall be submitted. Sample painted panels shall be coated with the three coats of paint specified hereinafter. The panels shall be 12 gage steel sheet and shall be eight inches wide by 24 inches long. Steel panel surfaces and edges shall be blast cleaned to bare metal in accordance with the requirements of SSPC-SP 6, and shall be provided with an angular profile depth, or height, of from 1.0 to 3.0 mils.

The panel length shall be divided into four sections, each six inches in length by the eight-inch width of the panel. The paint shall be applied let down or shingle fashion successively, from the full three coats, down to the initial coat of primer. The first section shall not be painted but shall be coated with a transparent urethane coating prior to the occurrence of rust. The exposed portion of each

coat, and the urethane coated first section, shall be six inches by eight inches in size. Each coat of paint shall be applied to the respective dry film thickness specified hereinafter.

Panels shall be coated on both sides and on the panel edges. The sample painted panels shall be representative of the completed application of coatings to the steel to be painted under this Contract.

After approval of the sample painted panels by the Engineer, the approved samples shall represent the required color, tints, texture, workmanship, materials, appearance and dry film mil thicknesses of the completed coatings applied to the steel under this Contract.

Each sample painted panel shall be provided with a lug, handle or other device for convenient handling, and with a canvas or plastic sheath with end closure or with a wooden sample box with hinged cover and latch. Two of the sample sets will be retained by the Engineer for use as visual reference standards for the duration of the project. The contractor will be given the remainder of the sample sets for his use for the same purpose. Should any question arise as to any portion of the work, the work in question will be compared to an approved sample painted panel by the Engineer. The Engineer will then determine whether the work in question is satisfactory.

#### 6. Material Affidavit

A notarized material affidavit shall be submitted certifying the analysis of paint materials and certifying the conformance of paint materials with the specified requirements for each coating. The affidavits shall be issued by the paint manufacturer, for each batch of paint for each coating. Paint prepared and furnished by any manufacturer and not provided with the specified affidavits will be rejected, regardless of its character or composition.

#### 7. Project Affidavit.

The contractor shall submit an affidavit upon completion of the work, certifying to the Commission that all work of the project has been performed in full conformance with the Contract Documents. The contractor shall arrange for and pay the cost of forty hours of service of the coating manufacturer's technical representative on the project site on an as needed basis. The contractor shall also arrange for the technical representative to be on the project site or at other locations not more than 48 hours after a request has been made for his services. The said cost shall include travel, meals, lodging and any other expenses necessarily incurred by the technical representative.

### **554.03 CONSTRUCTION**

#### **554.03.01 Pollution Control System**

Add the following to this Subsection

In conformance with the regulations promulgated by the New Jersey Department of Health and the Department of Community Affairs, the Contractor shall be licensed and certified for lead abatement/removal and all workers engaged in this work should be formally trained and tested for this work.

#### **554.03.02 Cleaning and Painting**

Add the following to this Subsection:

The intent of the work is to paint the entire bridge structure employing overcoating technology. The work shall include painting and cleaning of all structural steel and metal surfaces, bridge machinery and other mechanical components, including but not limited to all exterior and interior surfaces of superstructure structural steel, other ferrous metal work, bearings, bridge and pedestrian railings, platforms, gratings, stairways, ladders, handrails, appurtenances and attachments to the bridge structure, and all other metal and other surfaces as designated by the Engineer in field above the top of piers. In case of conflict in interpretation, Engineer's decision shall prevail.

The top upper two feet of the piers (central pivot and side) shall be cleaned of all lubricants, grease, debris and dirt prior to painting of the machinery or steel above or in the vicinity of the same.

All zinc-coated surfaces that are not currently painted shall not be painted. Accordingly, all currently painted zinc-coated surfaces shall be cleaned and painted as specified elsewhere in these Supplementary Specifications.

To facilitate access to the interior of various composite structural members on the bridge structure, the contractor may propose selective temporary removal of non-critical components of the structural member to the Engineer for review and approval. Recommendations for temporary removal of selected non-critical components shall be prepared by a Professional Engineer licensed in the State of New Jersey, and shall be submitted to the Engineer for review and approval. Welded connection, removed as a result of this operation, shall be replaced with a bolted connection with high-strength steel bolts as specified in Section 506 in the Supplementary Specifications.

Navigational lights on the bridge and on the top of piers shall be cleaned of all existing paint, including paint on the glass lenses. Upon completion of cleaning, the light fixtures that are not zinc-coated shall be painted as indicated in this Section, however the color shall be Grey. The Fresnel lenses and rubber gaskets shall not be painted. Zinc-coated

navigation lights shall not be painted. Lights shall always remain operational at nighttime and during period of reduced visibility. All work to the lights must be completed in daylight hours. The Engineer's approval shall be obtained prior to prosecuting this work.

Notwithstanding any other provisions for cleaning steel, the existing bridge name plaque located on the top chord of the upstream side Riverside Approach Span shall be cleaned of all existing paint by chemical stripping only. The plate shall be restored by painting again and top coated as specified above in this Subsection. The color shall be a bronze like color. The paint of the bridge gates is in good condition and need not to be repainted.

The white delineators on the top handrails shall be removed prior to painting and reinstalled upon completion of that work.

While working on operating machinery and the swing span, the Contractor must keep the Engineer and the bridge operators apprised at all times of all the work being performed on and in the vicinity of the operating machinery and ensure that the prosecution of work shall not affect the ability of the bridge to open as necessary. The Contractor shall address this aspect in his Plan of Operation.

#### **Bridge Machinery, Electrical and Mechanical Components:**

The bridge machinery and mechanical and electrical components shall be cleaned, protected, painted, and lubricated as addressed separately in this Subsection and on the Contract Drawings.

- **Cleaning:**

The Contractor shall thoroughly clean all machinery and electrical components and structural steel of all lubricants, dirt, and debris. The cleaning shall include surfaces to be painted as well as surfaces that are to remain unpainted. For access to some of these surfaces, moving the span, rotating machinery or removal of access covers shall be required.

- **Protection:**

The contractor shall protect all machinery and other surfaces not requiring paint during the prosecution of the work. Paint applied to any components that are identified herein as not to be painted shall be removed without damage to those components. Any damage resulting from this activity shall be corrected and the components restored to their original undamaged condition to the satisfaction of the Engineer at no additional cost.

Openings in motors shall be sealed during cleaning and painting to protect the components within. After painting is completed, and with the approval of the

Engineer, cleaning and removal of the material used to seal the openings and vacuum cleaning of the interior of the motors shall be accomplished only by a qualified electrician.

- Bridge Operations During the Prosecution of Work

The Contractor is advised that the Riverside-Delanco Bridge is actively used by marine navigation and its operation is controlled by Federal regulations. Therefore, all proposed the Engineer should approve protective measures for the mechanical and electrical equipment. Cleaning, painting and protection methods in anyway shall not affect the ability of the bridge to be opened in accordance with the federal regulations. The Contractor shall be responsible for all marine delay claims, or any civil penalties incurred by the Commission for the said delays to marine traffic or non-compliance with any federal, state or local regulations or requirements. The Contractor shall keep the bridge operators fully apprised of all work being performed on the operating machinery and the swing span.

- Painting

Upon completion of all specified cleaning and surface preparation, the various components shall be painted as indicated below. Specific requirements for these components and the respective topcoat color are as indicated hereunder. Some of these components are not to receive any coatings after cleaning and shall be protected during the painting work.

| <b>Component</b>           | <b>Specific Requirements</b>  | <b>Color</b>          |
|----------------------------|---|-----------------------|
| Grease Fittings            | Clean and Protect<br>Do not paint.  |                       |
| Stainless-Steel Components | Clean and Protect<br>Do not paint.  |                       |
| Bronze Components          | Clean and Protect<br>Do not paint.  |                       |
| Zinc-Coated Components     | Clean and protect<br>Do not paint.  |                       |
| Gears                      | Paint the gear tooth sides, the rims, hubs, and spokes.<br>Do not paint the contact surfaces of the gear teeth. | Federal Safety Orange |

| <b>Component</b>              | <b>Specific Requirements</b>   | <b>Color</b>                   |
|-------------------------------|--|--------------------------------|
| Wedges                        | Paint the sides and ends only. Do not paint the wedge sliding bearing surfaces.  | Federal Safety Orange          |
| Wedge Guide and Base Castings | Paint Castings.<br>Do not paint the wedge sliding bearing surfaces.  | Green                          |
| Wedge Linkage and Shafting    | Paint rods, levers, shafts and cranks.<br>Paint pillow blocks and Bearings.<br>Do not paint threads on the rods but apply anti seize lubricant such as "Neverseize" or approved equal. | Federal Safety Orange<br>Green |
| Center Pivot                  |  | Green                          |
| Balance Wheels and Track      | Do not paint the track or wheel, rolling contact surfaces<br>Paint other track surfaces.<br><br>Paint other wheel surfaces.  | Green<br>Federal Safety Orange |
| Balance Wheel Bearing Housing |  | Green                          |
| Shafts                        | Paint all rotating shafts<br><br>Non-rotating shafts shall be painted Green or not painted if so designated by the Engineer in field.  | Federal Safety Orange          |
| Centering Latch               | Paint the movable components.<br><br>Paint the non-moving components<br><br>Do not paint wheel or guide contact/rolling surfaces.  | Federal Safety Orange<br>Green |

| <b>Component</b>   | <b>Specific Requirements</b>   | <b>Color</b>                   |
|--|--|--------------------------------|
| Centering Latch Linkage and Shafting                                   | Paint the crank arms, shafts, couplings and connecting rods  | Federal Safety Orange          |
| Speed Reducers   | Paint the speed reducer housings<br>Paint the rotating shafts<br>Do not paint nameplates.          | Green<br>Federal Safety Orange |
| Couplings  | Paint the rotating shaft couplings   | Federal Safety Orange          |
| PVC Coated Conduit and Fittings  | Clean and Protect<br>Do not paint.   |                                |
| Flexible Conduit and Fittings  | Clean and Protect Do not paint.  |                                |
| Stainless Steel Mounting Enclosures Brackets, Hardware, and Components | Clean and Protect Do not paint.  |                                |
| Wedge Drive Motor Brake  | Paint the electrical junction enclosure.<br>Do not paint the brake wheel or nameplates.            | Grey                           |
| Span Drive Motor Brake   | Paint the electrical junction enclosure<br>Do not paint the brake pads, brake wheel or nameplates. | Grey                           |
| Wedge Drive Motor  | Paint<br>Do not paint the nameplates   | Grey                           |

| Component         | Specific Requirements   | Color |
|-------------------|---|-------|
| Span Drive Motor  | Paint<br>Do not Paint the nameplates  | Grey  |
| Navigation Lights | Paint, if not galvanized Glass lenses and rubber gaskets shall not be painted | Grey  |

### **554.03.02 A Protection of Environment, Structure, Person, and Property.**

Add the following to this Subsection:

The Riverside-Delanco bridge steel was abrasive blasted and repainted in 2001, and based on the Limited Lead-Based paint testing that was performed by Pennoni on 04/02/2024, Lead containing paint (LCP) was identified and LCP is present. Contractor should follow applicable OSHA regulations regarding working with LCP.

The Contractor is hereby advised that the existing paint systems on the bridges and/or facilities may include red lead or basic lead silica chromate paint or both as components. The Contractor is to verify the presence of lead-based paint or lack thereof at the locations of work. The Contractor shall be in conformance with the regulations promulgated by the New Jersey Department of Health. If lead-based paint is present on the bridge, the Contractor shall be licensed and certified for lead abatement/removal and all workers engaged in this work should be formally trained and tested for this work.

The Commission's assigned hazardous waste United States Environmental Protection Agency Identification Number for the Riverside-Delanco Bridge is NJR000046250.

### **554.03.02. B. 1. Cleaning, Hand or Power Tool Cleaning**

#### **(This Subsection applies only to the Bridge Machinery, Electrical and Mechanical Components)**

Delete this Subsection in its entirety and substitute the following:

Before power tool cleaning, remove all visible dirt, oil and grease by solvent cleaning as specified in SSPC-SP 1.

Further prepare any areas of loose/deteriorated coatings or rusted steel by power tool cleaning using vacuum shrouded power tools in accordance with SSPC-SP 3. Feather



the surrounding coating at each location for a distance of 1 to 2 inches to provide a smooth, tapered transition into existing, intact coating. Verify that remaining coating is tight and intact by probing with a putty knife in accordance with the requirements of SSPC-SP 3. Determine the SP 3, power Tool Cleaning condition by the use of a SSPC-VIS 3.

#### **554.03.02. B. 2. Cleaning, Blast Cleaning**

Add the following:

#### **Blast Cleaning Methods**

1. All rust, scale, corrosion, soot, dirt and existing paint coatings shall be removed to bare metal in accordance with the requirements of SSPC-SP 6, except wet abrasive blasting shall not be used. Oil, grease or salts, other surface contaminations, bird excrement or other foreign materials shall first be removed in accordance with the requirements of SSPC-SP 1 and SSPC-SP 2 respectively.

Paint shall be removed from concrete in accordance with the requirements of SSPC-SP 13 and conforming to ASTM Designation D 4259-88.

2. The contractor is advised that there may be areas in which considerable quantities of bird excrement and dirt may have collected. The scope and cost of all cleaning operations shall be carefully taken into consideration in preparing bids for this Project.
3. Open nozzle abrasive air blasting shall be performed only within substantial enclosures constructed specifically for the purpose of containing all abrasive, rust, scale, corrosion, existing paint, dust and all other debris generated by the blast cleaning. No exception to the foregoing requirement will be granted for any reason. The enclosures shall be dust tight. No blasting products shall be permitted to escape from enclosures. Enclosures shall be cleaned of blasting products at least twice during an eight-hour work shift. Enclosure floors shall as a minimum be designed for a live load of 100 pounds per square foot, and shall be constructed as a further minimum of 0.75-inch plywood sheets supported on wood framing a minimum of two inches thick in the least dimension. The framing shall in turn be supported on structural supports and said supports shall in turn be connected to bridge members. Enclosures shall be designed to safely withstand a minimum wind velocity of twenty miles per hour from any direction.
4. Dry abrasive blasting of either of the following types may be used with enclosures:
  - a) Dry abrasive blasting, using a closed cycle, recirculating abrasive system with compressed air, blast nozzle and abrasive, with vacuum or other means for abrasive and blasting products recovery.

- b) Dry abrasive blasting, using a closed cycle, recirculating abrasive system with centrifugal wheels and abrasive, with vacuum or other means for abrasive and blasting products recovery.
- 5. Abrasive blasting shall not be performed when the temperature of steel surfaces is less than five degrees Fahrenheit above the dew point. The surfaces after blast cleaning shall exhibit an angular profile. The profile depth, or height, shall be within the range of 1.0 to 3.0 mils.
- 6. The following applies to the Removal of Pack Rust:

Following the completion of the abrasive blast cleaning operation, the Contractor shall remove accumulated pack rust that is not removed by the abrasive blasting, in areas designated by the Engineer, utilizing Power Tool Cleaning methods using a “needle gun” in accordance with SSPC-SP 3. After pack rust has been removed, Contractor may be requested to implement miscellaneous structural repairs as outlined in Section 506.03.01 G. Repairs that are requested to be performed will be paid under Pay Item 5.506.

#### **554.03.02 C. Waste Disposal**

Add the following to the end of the second paragraph:

Locate the storage of waste containers in a secure area (to prevent vandalism) with signs around the perimeter and shield the area adequately to prevent dispersion of the waste by wind or water.

Add the following after the first sentence of paragraph four:

Containers used for the storage of protective clothing to be laundered should be labeled as follows:

“CAUTION: CLOTHING CONTAMINATED WITH LEAD. DO NOT REMOVE DUST BY BLOWING OR SHAKING. DISPOSE OF LEAD CONTAMINATED WASH WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS.”

Add the following after paragraph four:

Waste water resulting from pressure washing activities, if pressure washing is employed by Contractor during the work, shall be collected for disposal. Filter visible paint chips and particulate from the wastewater prior to placing it into the containers. Prior to disposal, and under observation of the Engineer, collect representative samples of the wastewater generated by pressure washing. Test the water for total toxic metals and any other analytical parameters required for disposal characterization by the disposal facility and provide ample filtration (e.g. through a multi-stage filtration system ending in

5 microns or better if needed) until the water is not classified as hazardous. Complete the initial sampling of each wastewater stream immediately upon filling the last container, but do not allow waste to accumulate for longer than 30 days before sampling. After the representative samples are collected, send them immediately to the laboratory for analysis.

#### **554.03.02.E.5- Coating Thickness**

Add the following to this Subsection

Whenever the term "coat" or "coating" is used, it shall constitute as many applications as are necessary to achieve the specified dry film thickness.

The dry film thickness (DFT) for each coat of paint, is as specified above in Subsection 554.02, Materials.

#### **554.04 MEASUREMENT AND PAYMENT**

Add the following to this Subsection:

All work as described in Section 554.01, Description, shall be paid for in the following manner:

##### **Bridge Structure**

##### **Commercial Blast Cleaning and Painting:**

Cleaning and painting of structural steel and metal surfaces will not be measured and will be paid on a Lump Sum basis. The pay items shall include all work and incidental costs associated with the repainting work specified in the contract documents. All coats of paint required to complete the repainting shall be included in the Lump Sum items.

##### **Bridge Machinery, Electrical and Mechanical Components**

##### **Hand or Power Tool Cleaning and Painting:**

Cleaning and painting of metal surfaces shall be measured on a Lump Sum basis. This item shall include all work and incidental costs associated with the repainting work specified in the contract documents. All coats of paint required to complete the repainting shall be included in the Lump Sum items.

The bidding estimate for Pay Item No. 36.554 Testing, if and where directed, shall be an amount indicated in the pay item. The payment for all approved Testing, as duly accepted by the Engineer, will be under this item. The payment will be based upon the actual cost with a five (5) percent markup allowed.

| <u>Pay Item No.</u> | <u>Pay Item</u>  | <u>Pay Unit</u> |
|---------------------|--|-----------------|
| 33.554              | Bridge Structure, Commercial Near-White Blast Cleaning and Painting                            | Lump Sum        |
| 34.554              | Bridge Machinery, Electrical and Mechanical Components, Hand /Power Tool Cleaning and Painting | Lump Sum        |
| 35.554              | Pollution Control System   | Lump Sum        |
| 36.554              | Testing, If and Where Directed   | Dollar          |

**END OF SECTION 554**

## **DIVISION 600 – MISCELLANEOUS CONSTRUCTION**

**DIVISION 600 – MISCELLANEOUS CONSTRUCTION****DIVISION 600 – MISCELLANEOUS CONSTRUCTION****SECTION 612 – SIGNS****612.03 CONSTRUCTION****612.03.04 Waterway Signs (New Subsection)**

Signs shall be manufactured in accordance with the Code of Federal Regulations, Title 33 - Navigation and Navigable Waterways, Chapter I, Subchapter J, Part 118 and US Coast Guard Office of Bridge Administration "Bridge Lighting And Other Signals" Guide.

Contractor to submit shop drawings, including attachments, for the Bridge Clearance Gauge and Marine Warning signs for approval prior to installation.

**612.04 MEASUREMENT AND PAYMENT**

Add the following to the beginning of this Subsection:

Manufacturing and installation of the Bridge Clearance Gauge and Marine Warning signs are incidental to item 28.511 – Fender Repairs – Center Pier and will not have a separate pay item.

### **617.03 Operational Constraints (New Subsection)**

The contractor shall conduct his work in such a manner as not to interfere, unless it is a coordinated bridge closure, with the free passage of pedestrian or vehicular traffic on the bridge or on the approaches, unless such interference is absolutely necessary for the proper execution of the work or for the protection of vehicles.

The contractor shall obey all municipal and state laws and regulations during performance of the work.

Any detour shall be coordinated with the Commission and with the local Municipality and the local police.

### **617.04 Nighttime Operations (New Subsection)**

Prior to the start of the fieldwork during the specified lane closure, a lighting plan shall be submitted for review and acceptance. The lighting plan shall specify the construction area to be lit, the layout of the lighting units, and the illumination intensity of the lighting system. The construction area is defined as the area in which any and all work related to the construction is ongoing and is to be performed during the specified lane closure. No construction work shall begin until the lighting plan is reviewed and accepted.

The lighting system shall consist of mobile units of floodlights capable of providing the construction area with a minimum illumination intensity of 5 foot-candles. Each unit shall provide a minimum of 2.5 foot-candles, positioned to cause no glare to drivers. Mobile light towers for the purpose of protection and maintenance of traffic shall be provided at locations deemed necessary. The light towers shall be either gasoline or diesel powered; having required number of 1000-watt high-pressure sodium (HPS) lamps with tampered glass lens for each lamp. The towers shall have telescopic steel mast that can adjust from approximately 6' to 12' or 16' either by a winch or compressed air. The towers shall have electric outlets, have a base approximately 24"-30" wide and 30"-36" long with two semi-pneumatic wheels and be coated with a safety yellow finish.

Storage batteries or other bulk power sources, not part of a monolithic flasher unit, shall be located as far as practicable from the traveled way and at ground level.

All equipment used for construction operations with artificial lighting shall have a minimum of 72 sq. inches of high intensity reflective sheathing towards extremities.

### **END OF SECTION 617**

## **DIVISION 700 – ELECTRICAL**



## **DIVISION 700 – ELECTRICAL**

### **SECTION 701 – GENERAL ITEMS**

#### **701.03 Construction**

##### **701.03.01 Existing Systems**

Add the following to the end of this Subsection:

The Contractor's attention is directed to the fact that the work is in the vicinity of electrical components which are necessary for operation of the bridge, roadway lighting, roadway traffic control and communications. These electrical components include but are not limited to the following:

- Low voltage cable, conduit, and distribution system
- Roadway lighting cables, conduit, junction enclosures and control systems
- Data and communications conduit and junction enclosures
- Roadway warning gate cables and conduit
- Submarine cables

The Contractor shall take all necessary actions to locate, identify, temporarily support or relocate and reinstall any or all of these components to properly execute the work without creating the possibility of damage to these systems or creating a condition hazardous to his personnel, pedestrians, roadway or marine traffic.

If construction involving temporary supports or bracings is required, the Contractor shall submit a written plan for such construction to the Engineer for review at least seven (7) days prior to construction. Upon completion of the work, the Contractor shall restore all existing systems to their original and unmodified condition. The Contractor, at no cost to the Commission, shall correct any damage resulting from this activity.

Although the Contractor may request to deactivate any or all of these systems in the interest of safety or expediency of his work, he acknowledges that such a request may be denied as being contrary to the best interests of the Commission. The Contractor shall submit a lockout-tagout procedure involving de-energizing of any existing electrical components and/or systems.

#### **701.04 Measurement and Payment**

Add the following to the beginning of this Subsection:

All work listed in Subsection 701.03.01 Existing Systems shall not be measured and paid separately, wherein all labor, material, equipment, tools, and incidental costs as required for the work shall be included for payment under other pay items.

## **DIVISION 900 – MATERIALS**

**DIVISION 900 – MATERIALS****SECTION 903 – CONCRETE****903.11      POLYESTER POLYMER CONCRETE (PPC)      (SECTION ADDED)**

1. Primer. Provide the prepared surface with a wax-free low odor, high molecular weight methacrylate prime coat. Ensure that the prime coat is a resin and that it has a maximum volatile content of 30 percent before adding the initiator, when tested in accordance with ASTM designation D 2369, and conforming to the following:

Table 903.11-1 High Molecular Weight Methacrylate (HMWM) Resin

| Property                                   | Requirement  | Test Method |
|--|--|-------------|
| Viscosity*                                 | 4 x 10 <sup>6</sup> psi) maximum<br>(Brookfield RVT with UL adapter,<br>50 RPM at 77 degree F) | ASTM D 2196 |
| Specific Gravity*                          | 0.90, minimum, at 77 degrees F   | ASTM D 1475 |
| Flash Point*                               | 180 degrees F, minimum   | ASTM D 3278 |
| Vapor Pressure*                            | 0.04 inch Hg, maximum,<br>77 degrees F   | ASTM D 323  |
| Tack-Free Time                             | 400 minutes maximum at<br>77 degrees F   | ASTM C 679  |
| PCC Saturated Surface—Dry<br>Bond Strength | 507 psi minimum, at 24 Hrs<br>70+1 degree F  | BOND TEST   |
| Thermal compatibility                      | No delamination of overlay   | ASTM C884   |

\*Tested before adding initiator

\*\*PCC — Portland Cement Concrete

Provide a prime coat promoter/initiator consisting of a metal drier and peroxide. Do not mix the metal drier directly with the peroxide if supplied separately from the resin. Store the containers in a manner that will not allow leakage or spillage from 1 material to contact the containers or material of the other.

**Note:** **Mixing** the metal drier directly with the peroxide will result in a violent exothermic reaction.

2. Aggregate: Ensure that the aggregate for polyester polymer concrete overlay and finishing sand conforms to the requirements of JMF (Job Mix Formula) except the gradation meets the following:

Table **903.11-2** Job Mix **Formula Requirements** for PPC Overlay

| Sieve Size | Percent Passing |
|------------|-----------------|
| 3/8"       | 100             |
| #4         | 70              |
| #8         | 50              |
| #16        | 44              |
| #30        | 30              |
| #50        | 5-20            |
| #100       | 7               |
| #200       | 3               |
|            |                 |

Ensure that the aggregate retained on the #8 sieve has a maximum of 45 percent crushed particles when tested in accordance with AASHTO Test Method T27. Provide fine aggregate consisting of only natural sand.

Ensure that aggregate absorption does not exceed 1 percent as determined by AASHTO Test Methods T84 and T85.

Ensure that at the time of mixing with the resin, the moisture content of the aggregate, as determined by AASHTO Test Method T255 does not exceed 1/2 of the aggregate absorption.

Provide finish sand as dry No. 8/20 commercial quality blast sand.

Polyester Binder. Provide polyester concrete consisting of polyester resin binder and dry aggregate. Provide an unsaturated isophthalic polyester-styrene co-polymer resin conforming to the following:

Table 903.11-3 Polyester Resin Binder

| Property   | Requirement  | Test Method                      |
|--|--|----------------------------------|
| Viscosity*                                       | 0.1 x 10 to 2.9 x 10 psi<br>(RVT No. 1 Spindle,<br>20 RPM at 77degree F)                                       | ASTM D 2196                      |
| Specific Gravity*                                | 1.05 to 1.10 at 77 degree F  | ASTM D 1475                      |
| Elongation                                       | 35 percent, minimum<br>Type I at 0.45"/min.<br>Thickness=1/4"±0.04"<br>Sample conditioning:<br>18/25/50 + 5/70 | ASTM D 3278                      |
| Tensile Strength                                 | 2538 psi minimum Type I<br>at 45"/min<br>Thickness =1/4" + 0.04"<br>Sample conditioning:<br>18/25/50+5/70      | ASTM D 323                       |
| Styrene Content*                                 | 40 percent to 50 percent<br>(by weight)  | ASTM C 679                       |
| Silane Coupler                                   | 1.0 percent, minimum<br>(by weight of polyester styrene<br>resin)  |                                  |
| PCC Saturated Surface<br>Dry Bond                | 507 psi minimum at 24 hours<br>and 70+1degree F  | California<br>Test Method<br>551 |
| Thermal Compatibility (<br>mixed with aggregate) | No delamination of overlay   | ASTM C 844                       |

\*Tested before adding initiator

\*\*Portland cement concrete

Values are based on specimens or samples cured or aged at 77°F unless otherwise indicated. Provide a silane coupler that is an organosilane ester, gamma-methacryloxypropyltrimethoxysilane.

Ensure that the promoter is compatible with methyl ethyl ketone peroxide (MEKP) and cumene hydroperoxide (CHP) initiators. Provide a promoter which is also compatible with suitable peroxide initiators

3. Initiator. Ensure that the initiator system for the methacrylate resin consists of a metal drier and peroxide.

Do not mix the metal drier with the peroxide directly if supplied separately from the resin. Do not store containers in a manner that allows leakage or spillage to contact the containers or materials of the other.

4. Accelerators; Inhibitors. Accelerators or inhibitors may be required to achieve proper set times. Use as recommended by the resin supplier.
5. Samples. Provide samples 60 days before placement of the PPC overlay. Provide samples representative of the materials to be used in the overlay applications. Provide at least 1 gallon sample for each liquid component (HMWM resin primer and polyester resin binder) and 5 pounds for each dry component. Provide appropriate amounts of catalysts and promoters with the samples.

**Burlington County Bridge Commission**

**NOTICE TO BIDDERS**

**RIVERSIDE-DELANCO BRIDGE**

**CR 543 OVER RANCOCAS CREEK**

**BRIDGE REHABILITATION**

**(BCBC – 202505)**

The Burlington County Bridge Commission will receive sealed bids for Bridge Rehabilitation for the Riverside-Delanco Bridge until 11:00 A.M. prevailing time on December 10, 2025 at the Office of the Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey, at which time and place proposals will be publicly opened and read aloud.

This work shall consist of furnishing of labor, tools, equipment, temporary support structures and materials to perform structural steel repairs, concrete deck repairs, timber fender repairs and painting to the Riverside-Delanco three-span bridge (Riverside Span, Delanco Span, Swing Span, Pier A, Center Pier and Pier B). All work shall be in conformance with the Contract Drawings and Contract Specifications.

The work shall also consist of the maintenance repairs of the timber fenders at the Center Pier, Pier A and Pier B of the Riverside-Delanco Bridge. This shall include the removal of all vegetation growth on the existing fender, verification of existing dimensions for ordering purposes, supplying the new members, and removal and replacement of deteriorated members. An allowance has been included to account for ongoing deterioration and additional deterioration identified during vegetation removal.

An additional lump sum item is included for unforeseen fender repairs which may be required. All unforeseen repairs will be submitted to the Engineer for approval and will be performed as directed by the Engineer.

This work shall also consist of furnishing and application of specified coatings on all surfaces of the entire steel members of the Riverside-Delanco three spans Bridge. The work shall also include cleaning and application of specified treatment to all the surfaces to be coated prior to the application of the coatings. The bridge machinery and mechanical components of the Riverside-Delanco Bridge shall be treated as specified. All electrical components such as conduits, junction boxes, navigation lights, etc., and zinc-coated members shall be treated as specified.

The work shall also include furnishing, fabrication, installation, maintenance, removal, and disposal of all temporary structures required to prosecute the work of this Contract. Containment and disposal of debris, both hazardous and non-hazardous type, shall also

be included in the work accomplished. All this work shall be in conformance with the Contract Drawings and Contract Specifications.

During the blast cleaning and pack rust removal operations, Contractor may be requested to implement miscellaneous structural repairs to select steel members, connections, etc. An additional lump sum item is included for unforeseen steel repairs which may be required. All unforeseen repairs will be submitted to the Engineer for approval and will be performed as directed by the Engineer.

Balancing the Swing span shall be required and performed before/ during/ and after the completion of the steel repairs and painting.

As necessary, the Contractor shall provide for Maintenance & Protection of Traffic while work is being performed as required by the Engineer. The Contractor is required to coordinate with the Engineer all temporary bridge and lane closures for the approval by the Commission.

Bid packages including the Contract Drawings, Supplementary Specifications, Proposal Forms and Contract Documents for the work are available at no cost electronically on the Commission's website, [www.bcbridges.org](http://www.bcbridges.org). From the home page, click on Purchasing and then Purchasing Portal. At the bottom of the screen, the project is listed in the Bids, RFPs, RFQs table. First time users are required to register to view any documents other than the Advertisement. Those already registered are to log on with their User Name and Password. Any questions regarding the registration process are to be directed to [helpdesk@bcbridges.org](mailto:helpdesk@bcbridges.org). Print format of the bid package, pursuant to the New Jersey Open Public Records Act established rates, is available at the Burlington County Bridge Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey 08065.

Each Bidder must inspect the project site prior to receipt of bids to personally ascertain all conditions to be found at the project site. Bidder must submit a sworn affidavit affirming that they or their authorized representative did inspect the project.

Bids must be made on standard bid forms in the manner designated therein and required by the specifications; must be enclosed in sealed envelopes bearing the name and address of the Bidder and solicitation identification on outside; addressed to the Burlington County Bridge Commission, 1325 Route 73 North, P.O. Box 6, Palmyra, New Jersey 08065-1090; and must be accompanied by a certified check, cashier's check or bid bond drawn to the order of the Burlington County Bridge Commission for 10% of the bid, not to exceed \$20,000.

All Bidders are required to comply with the requirements of **N.J.S.A. 34:11-56.27** New Jersey Prevailing Wage Act, **N.J.S.A. 10:5-31** et seq. and **N.J.A.C. 17:27** Affirmative Action, **N.J.S.A. 52:25-24.2** Statement of Corporate Ownership, **N.J.S.A. 34:11-56.48** et seq Public Works Contractor Registration Act and **N.J.S.A. 52:32-44** New Jersey Business Registration Certification.



Bidders must complete the Responsible Contractor Certification form.

Bidders shall be qualified under NJDOT work type classification 41 Moveable Bridge Installation/ Rehabilitation for the main work tasks as described in Section 104 – Scope of Work. The remaining work tasks shall be performed by the Bidder, if qualified or by qualified Subcontractors. Bidders and/or Subcontractor performing fender work shall be qualified under NJDOT work type classification 4A Bridge Fender Systems & Bulkheads. Bidders and/or Subcontractor performing Painting work shall be qualified under NJDOT work type classification 4K Painting. Bidders are reminded of the percentage of work which is permitted to be subcontracted in accordance with Subsection 108.01 Subcontracting.

Late bids will not be accepted or considered. The Burlington County Bridge Commission assumes no responsibility for bids mailed or misdirected in delivery.

The Commissioners reserve the right to accept or reject all bids and waive non-mandatory defects or information in bids, in accordance with law.

A Pre-Bid Meeting will be held in the Office of the Commission, Tacony-Palmyra Bridge, Maintenance Building, 1325 Route 73 North, Palmyra, New Jersey 08065 at 10:00 A.M. on October 8, 2025. While not mandatory, attendance at the meeting is encouraged.

**Joseph Andl**

**Executive Director**

**BURLINGTON COUNTY BRIDGE COMMISSION**

**NOTICE TO BIDDERS**

One time issue of September 26, 2025  
BURLINGTON COUNTY TIMES

# **PROPOSAL AND SCHEDULE OF BID PRICES**

**Burlington County Bridge Commission**

**PROPOSAL AND SCHEDULE OF BID PRICES**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

TO THE BURLINGTON COUNTY BRIDGE COMMISSION, PALMYRA, NEW JERSEY:

**The undersigned hereby declares that the Contract Documents for the Project named above have been carefully examined, that the site of the project has been carefully examined as provided in Subsection 102.04 Examination of Contract and Project Limits, of the Specifications and that the undersigned will contract to perform and complete the said project as specified and delineated at the price bid for each scheduled item of work stated in the Schedule of Bid Prices below.**

(space intentionally left blank)

| <b>Pay Item No.</b> | <b>Pay Item</b>                             | <b>Qty</b> | <b>Unit</b> | <b>Unit Price</b> | <b>Amount</b> |
|---------------------|---|------------|-------------|-------------------|---------------|
| 1.105               | As-Built Drawings                           | 1          | L.S.        | \$1,000.00        | \$1,000.00    |
| 2.151               | Bonds                                       | 1          | L.S.        | \$                | \$            |
| 3.152               | Insurance                                   | 1          | L.S.        | \$                | \$            |
| 4.154               | Mobilization                                | 1          | L.S.        | \$                | \$            |
| 5.159               | Traffic Control                             | 1          | L.S.        | \$                | \$            |
| 6.159               | Permits                                     | 1          | P.D.A       | \$1,000.00        | \$1,000.00    |
| 7.506               | Fabricated Structural Steel - Repairs (R1)  | 2          | EAC<br>H    | \$                | \$            |
| 8.506               | Fabricated Structural Steel - Repairs (R2)  | 1          | EAC<br>H    | \$                | \$            |
| 9.506               | Fabricated Structural Steel - Repairs (R3)  | 1          | EAC<br>H    | \$                | \$            |
| 10.506              | Fabricated Structural Steel - Repairs (R4)  | 1          | EAC<br>H    | \$                | \$            |
| 11.506              | Fabricated Structural Steel - Repairs (R5)  | 1          | EAC<br>H    | \$                | \$            |
| 12.506              | Fabricated Structural Steel - Repairs (R6)  | 1          | EAC<br>H    | \$                | \$            |
| 13.506              | Fabricated Structural Steel - Repairs (R7)  | 1          | EAC<br>H    | \$                | \$            |
| 14.506              | Fabricated Structural Steel - Repairs (R8)  | 1          | EAC<br>H    | \$                | \$            |
| 15.506              | Fabricated Structural Steel - Repairs (R9)  | 1          | EAC<br>H    | \$                | \$            |
| 16.506              | Fabricated Structural Steel - Repairs (R10) | 1          | EAC<br>H    | \$                | \$            |

| <b>Pay Item No.</b> | <b>Pay Item</b>  | <b>Qty</b> | <b>Unit</b> | <b>Unit Price</b> | <b>Amount</b> |
|---------------------|--|------------|-------------|-------------------|---------------|
| 17.506              | Fabricated Structural Steel - Repairs (R11)                            | 1          | EAC<br>H    | \$                | \$            |
| 18.506              | Fabricated Structural Steel - Repairs (R12)                            | 1          | EAC<br>H    | \$                | \$            |
| 19.506              | Fabricated Structural Steel - Repairs (R13)                            | 1          | EAC<br>H    | \$                | \$            |
| 20.506              | Fabricated Structural Steel - Repairs (R14)                            | 1          | EAC<br>H    | \$                | \$            |
| 21.506              | Fabricated Structural Steel - Repairs (R15)                            | 1          | EAC<br>H    | \$                | \$            |
| 22.506              | Fabricated Structural Steel - Repairs (R16)                            | 1          | L.S.        | \$                | \$            |
| 23.506              | Miscellaneous Structural Steel Repairs<br>(If and Where Directed)      | 1          | Dollar      | \$500,000.00      | \$500,000.00  |
| 24.551              | Bituminous overlay Removal<br>(Swing Span Deck)                        | 20         | SY          | \$                | \$            |
| 25.551              | Polyester Polymer Concrete<br>(PPC)                                    | 60         | CF          | \$                | \$            |
| 26.511              | Fender Repairs - Pier A  | 1          | L.S.        | \$                | \$            |
| 27.511              | Fender Repairs - Pier B  | 1          | L.S.        | \$                | \$            |
| 28.511              | Fender Repairs - Center Pier   | 1          | L.S.        | \$                | \$            |
| 29.511              | Fender Vegetation Removal - Pier A                                     | 1          | L.S.        | \$                | \$            |
| 30.511              | Fender Vegetation Removal - Pier B                                     | 1          | L.S.        | \$                | \$            |
| 31.511              | Fender Vegetation Removal - Center Pier                                | 1          | L.S.        | \$                | \$            |
| 32.511              | Unforeseen Fender Repairs  | 1          | Dollar      | \$500,000.00      | \$500,000.00  |
| 33.554              | Bridge Structure, Commercial<br>Near-White Blast Cleaning and Painting | 1          | L.S.        | \$                | \$            |

| Pay Item No.                  | Pay Item  | Qty | Unit | Unit Price  | Amount      |
|-------------------------------|---|-----|------|-------------|-------------|
| 34.554                        | Bridge Machinery, Electrical and Mechanical Components, Hand / Power Tool Cleaning and Painting | 1   | L.S. | \$          | \$          |
| 35.554                        | Pollution Control System  | 1   | L.S. | \$          | \$          |
| 36.554                        | Testing, If and Where Directed  | 1   | L.S. | \$12,000.00 | \$12,000.00 |
| 37.515                        | Span Balancing  | 1   | L.S. | \$          | \$          |
| <b>TOTAL AMOUNT OF BID \$</b> |   |     |      |             |             |

Also accompanying this proposal are the following:

1. Bid Bond\*, (initial here [ ])
2. Consent of Surety\*, (initial here [ ])
3. Inspection Affidavit, (initial here [ ])
4. Non-Collusion Affidavit, (initial here [ ])
5. Hold Harmless/Indemnification Agreement, (initial here [ ])
6. Affirmative Action Questionnaire, (initial here [ ])
7. Ownership Disclosure\*, (initial here [ ])
8. Prequalification Documents, (initial here [ ])
9. Responsible Contractor Certification, (initial here [ ])
10. Copy of Public Works Contractor Registration Certificate as required by **N.J.S.A. 34:11-56.48**, (initial here [ ]) Contractors must be registered to submit a bid. The certificate may be included with the bid but is not required with the bid. The certificate must be supplied prior to execution of the contract.
11. Copy of N.J. Business Registration Certificate as required by **N.J.S.A. 52:32-44**, or may be submitted prior to the issuance of the Notice of Award, (initial here [ ]) Contractors must be registered to submit a bid. The certificate may be included with the bid but is not required with the bid. The certificate must be supplied prior to execution of the contract.
12. Disclosure of Investment Activities in Iran, (initial here [ ])
13. Certification of Non-Involvement in Prohibited Activities in Russia or Belarus pursuant to **N.J.S.A. 52:32-60.1, et seq.**, (initial here [ ]) This disclosure may

be included with the bid but is not required with the bid. The disclosure must be supplied prior to execution of the contract.

14. If applicable, the Addendum(s) Acknowledgement Page(s)\*, (initial here [    ])

\*The failure to submit these documents shall be deemed a fatal defect that shall render the bid proposal unresponsive.

(Select which one)

The undersigned is                      an Individual  
   a Partnership under the laws of the State of  
   a Corporation

\_\_\_\_\_ having principal offices at  
\_\_\_\_\_.

Bidder \_\_\_\_\_

(Type or print Firm Name)

Signature \_\_\_\_\_

Title \_\_\_\_\_

(Corporate Seal)

Address \_\_\_\_\_

Witness or Attest

\_\_\_\_\_ Date \_\_\_\_\_ 20 \_\_\_\_\_

**END OF PROPOSAL AND SCHEDULE OF BID PRICES**

# **BID BOND**



**Burlington County Bridge Commission**

**BID BOND**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned \_\_\_\_\_,  
as PRINCIPAL, and \_\_\_\_\_,  
a corporation organized and existing under the laws of the State of \_\_\_\_\_  
and duly authorized to do business in the State of  
New Jersey, As SURETY, are held and firmly bound unto the Burlington County Bridge  
Commission, as Oblige, in the sum of \_\_\_\_\_

(Lesser of ten percent of the Contract Price Bid or \$20,000)

Dollars (\$ \_\_\_\_\_), lawful money of the United States of America, for the  
payment of which well and truly to be made, we hereby jointly and severally bind  
ourselves, our heirs, executors, administrators, successors and assigns.

Signed, Sealed and Dated this \_\_\_\_\_ day of \_\_\_\_\_ two  
thousand and \_\_\_\_\_.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH that, whereas the  
PRINCIPAL is herewith submitting a Proposal for a Contract entitled, \_\_\_\_\_;  
\_\_\_\_\_;

(Contract Title)

which said Contract is made a part of this Bond the same as though set forth herein.

NOW, THEREFORE, if the Oblige shall accept the proposal of the PRINCIPAL and the  
said PRINCIPAL shall, within ten (10) days after the date of the written notice of  
acceptance of PRINCIPAL'S Proposal, enter into a Contract with the Oblige and  
deliver the executed Contract and the prescribed Performance Bond for the faithful  
performance of the Contract, and Payment Bond for the payment of all debts and  
obligations pertaining to the Work, or if the PRINCIPAL or SURETY shall pay the  
Oblige the sum, not exceeding the penalty thereof, by which the amount of the  
Contract, covering the said Proposal, properly and lawfully executed between the  
Oblige and some third party, may exceed the amount bid by PRINCIPAL, then this  
obligation shall be null and void; otherwise it shall remain in full force and effect.

IN WITNESS WHEREOF, the PRINCIPAL and the SURETY have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these present to be signed by their proper officers, the day and year first set forth above.

Witness or Attest:

|                               |                                     |
|-------------------------------|-------------------------------------|
| _____<br>Secretary            | _____<br>Principal                  |
| _____<br>(Print or type name) | _____<br>(Print or type name)       |
|                               | (Affix Corporate Seal of Principal) |

Witness or Attest:

|   |  |
|---|--|
| _____<br>Secretary<br><br>(Also print or type name) | _____<br>Surety<br><br>(Also print or type name)<br><br>(Affix Corporate Seal of Surety) |
|---|--|

*Certification to the Authority of the Attorney in fact to Commit the Surety Company, and a true and correct statement of the Financial Condition of Said Surety Company, must accompany this Bid Bond.*

For Commission Use Only:

Surety Checked by \_\_\_\_\_

Treasury Circular 570 \$\_\_\_\_\_

Licensed in New Jersey \_\_\_\_\_

**END OF BID BOND**

## **CONSENT OF SURETY**

**Burlington County Bridge Commission**

**CONSENT OF SURETY**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

\_\_\_\_\_, SURETY, authorized to carry on business in New Jersey, by its signature hereupon or that of its attorney-in-fact, certifies to and promises the Commissioners of the Burlington County Bridge Commission that if a Contract for

\_\_\_\_\_ is awarded to \_\_\_\_\_, PRINCIPAL, that it as SURETY will execute the bonds as required by the Specifications and will become SURETY in the full amounts set forth in the bid of its PRINCIPAL for the faithful performance of all obligations of its PRINCIPAL as Contractor.

This Consent of Surety shall be valid for a period of ninety (90) days from the date of the bid opening.

|                      |                |
|----------------------|----------------|
| _____                | _____          |
| _____                | Surety         |
| Attorney-in-Fact     |                |
| _____                | _____          |
| (Print name / title) | Address        |
|                      | _____          |
|                      | City State Zip |
|                      | _____          |
|                      | Phone Number   |

POWER OF ATTORNEY FOR ATTORNEY-IN-FACT MUST BE ATTACHED HERETO

**Failure to submit this Consent of Surety with the bid shall cause rejection of the bid.**

**END OF CONSENT OF SURETY**

# **SURETY DISCLOSURE STATEMENT AND CERTIFICATION**

**Burlington County Bridge Commission**  
**SURETY DISCLOSURE STATEMENT AND CERTIFICATION**  
**Riverside-Delanco Bridge**  
**CR 543 Over Rancocas Creek**  
**Bridge Rehabilitation**  
**(BCBC – 202505)**

\_\_\_\_\_, SURETY(ies) on the  
attached bond, hereby certifies(y) the following:

- (1) The SURETY(ies) meets the applicable capital and surplus requirements of R.S. 17:17-6 or R.S. 17:17-7 as of the SURETY'S most current annual filing with the New Jersey Department of Insurance.
- (2) The capital (where applicable) and surplus, as determined in accordance with the applicable laws of this State, of the SURETY(ies) participating in the issuance of the attached bond is (are) in the following amount(s) as of the calendar year ended December 31, \_\_\_\_\_ (most recent calendar year for which capital and surplus amounts are available), which amounts have been certified as indicated by certified public accountants (indicating separately for each SURETY that SURETY'S capital and surplus amounts , together with the name and address of the firm of certified public accountants that shall have certified these amounts):

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- (3) (a) with respect to each SURETY participating in the issuance of the attached bond that has received from the United States Secretary of the Treasury a certificate of authority pursuant to 31 U.S.C. §9305, the underwriting limitation established therein and the date as of which that limitation was effective is as follows (indicating for each SURETY that SURETY'S underwriting limitation and the effective date thereof):

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- (b) With respect to each SURETY participating in the issuance of the attached bond that has not received such certificate of authority from the United States Secretary of the Treasury, the underwriting limitation of that SURETY as established pursuant to R.S.; 17:18-9 as of (date on which such limitation was so established) is as follows (indicating for each SURETY that SURETY'S underwriting limitation and the date on which that limitation was established):
- (4) The amount of the bond to which this statement and certifications attached is \$\_\_\_\_\_.
- (5) If, by virtue of one or more contracts of reinsurance, the amount of the bond indicated under item (4) above exceeds the total underwriting limitation of all Sureties on the bond as set forth in items (3)(a) or (3)(b) above, or both, then for each such contract of reinsurance:
- (a) The name and address of each reinsurer under that contract and the amount of that reinsurer's participation in the contract is as follows:
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_;
- and
- (b) Each SURETY that is party to any such contract of reinsurance certifies that each reinsurer listed under item (5)(a) satisfies the credit for reinsurance requirement established under P.L. 1993, c.243 (C.17:51B-1 et seq.) and any applicable regulations in effect as of the date on which the bond to which this statement and certification is attached have been filed by with the appropriate public agency.

## **CERTIFICATE**

(to be completed by an authorizing certifying agent for each SURETY on the bond)

I, \_\_\_\_\_, as \_\_\_\_\_ for

*(name of agent)*

*(title of agent)*

\_\_\_\_\_ a corporation/mutual insurance company/other

*(name of surety)*

*(circle one)*

(indicating type of business organization) domiciled in \_\_\_\_\_, do

*(state)*

hereby certify that, to the best of my knowledge, the foregoing statements made by me are true, and ACKNOWLEDGE that, if any of those statements are false, this bond is VOID.

\_\_\_\_\_  
*(Signature of certifying agent)*

## **END OF SURETY DISCLOSURE STATEMENT AND CERTIFICATE**



# CONTRACT

**Burlington County Bridge Commission**

**CONTRACT**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

THIS CONTRACT entered into this \_\_\_\_\_ day of \_\_\_\_\_ in the year, Two Thousand and \_\_\_\_\_, between \_\_\_\_\_ (“Contractor”), an individual - a partnership - a corporation having its principal office located at \_\_\_\_\_, (street address, city, state, zip code) and the BURLINGTON COUNTY BRIDGE COMMISSION (“COMMISSION”), a body politic of the County of Burlington, State of New Jersey, having its principal office located at 1300 Route 73 North, Palmyra, NJ 08065  
WITNESSETH:

WHEREAS, the COMMISSION duly invited sealed proposals for the Contract titled Bridge Rehabilitation on the Riverside-Delanco Bridge; and

WHEREAS, said Contract was awarded to the Contractor, it being the lowest responsible Bidder:

NOW, THEREFORE, in consideration of the premises and the payments to be made to the Contractor at the time and in the manner hereinafter provided, the parties hereto have covenanted and agreed as follows:

This Contract and award are subject to availability and appropriation of adequate funds.

The Contractor will furnish all labor, tools, equipment and materials required for Bridge Rehabilitation in strict and entire conformity with the New Jersey Department of Transportation Standard Specification for Road and Bridge Construction dated 2019 and amendments and as amended by the Supplementary Specifications applying to this particular work which are on file at the office of the COMMISSION and which said specifications are hereby made part of this agreement as fully and with the same effect as if the same had been set forth at length in the body of this agreement.

The documents, which constitute the entire Contract between the parties hereto, consist of the Contract; the Standard Specifications for Road and Bridge Construction dated 2019; and the Supplementary Specifications entitled, Supplementary Specifications for Contract entitled Bridge Rehabilitation, said Supplementary Specifications prepared by Pennoni, hereinafter the “Engineer”, bearing the date, **Enter Date, 2025**.

This Contract shall be governed exclusively by the laws of the State of New Jersey. If in the event any of the applicable laws of the Commonwealth of Pennsylvania conflict with the laws of the State of New Jersey, the laws of the State of New Jersey shall control.

The COMMISSION will pay, or cause to be paid to the Contractor, amounts specified for performing work in accordance with the Unit and Lump Sum Prices of the Proposal.

**N.J.S.A. 40A:11-16.6** applies when the total price of the originally awarded Contract equals or exceeds \$5,000,000.

In the event of the failure of the Contractor to complete said work within the time period stated in the Supplementary Specifications, the COMMISSION shall be entitled to deduct from the amount to become due to the Contractor upon completion of the work the sum as indicated in the Supplementary Specifications for each and every day that the said work shall be and remain incomplete which said sum shall be credited to the COMMISSION on account of the Contract price aforesaid and shall be treated as liquidated damages.

Should the Contractor be obstructed or delayed in the prosecution or completion of his work by the act, negligence or default of the COMMISSION or by any damages which may happen by fire, lightning, windstorm or other such casualty or by reason of a strike upon said work, or by reason of any cause which, in the judgment of the COMMISSION shall be deemed justifiable, then the time herein fixed for the completion of the work shall be extended for a period equivalent to the time lost by reason of any or all of the causes aforesaid, but no such allowance shall be made unless a claim therefore is presented to the COMMISSION within twenty-four (24) hours after the occurrence of such delay. The duration of such extension shall be certified by the COMMISSION and its judgment shall be final and binding on the parties hereto.

The Contractor will make payment of all proper charges for labor, materials, and indemnify and save harmless the COMMISSION, its officers, agents and servants, and the Engineer and Resident Engineer and its agents and each and every one of them, against and from all suits and costs of every nature and description, and from all damages to which the COMMISSION or any of its officers, agents or servants may be put by reason of injury to person or property of others in the performance of said work, or through any improper or defective machinery, implements, or appliances used by the Contractor in the aforesaid work, or through any act or omission on the part of the Contractor or his agents, servants or employees as set forth in the Supplementary Specifications.

Material or equipment of any kind brought to the site of the work by the Contractor and remaining there after the expiration of sixty (60) days after the date of the COMMISSION'S final payment shall at the option of the COMMISSION be forfeited to the COMMISSION.

The COMMISSION shall have the right to repudiate this Contract, terminate the right of the Contractor to attempt further performance thereof, and require the SURETY(ies) on

the bond of the Contractor to pay the penalty thereof, if the Contractor becomes insolvent, is adjudicated as bankrupt, makes an assignment for the benefit of creditors, suffers a petition in bankruptcy to be filed against it, has a receiver appointed for it or its property, or assigns this Contract without the written consent of the COMMISSION thereto being first had and obtained; or if the COMMISSION'S Engineer or Resident Engineer shall certify in writing that for a period of three (3) days or more, the Contractor has neglected or refused unreasonably to provide a sufficiency of properly skilled workmen or a sufficient quantity of material of proper quality or that it has otherwise unreasonably delayed the performance of the Contract.

The mechanics, workers and laborers while engaged in the work provided for by this Contract shall work and be paid in accordance with the New Jersey State Prevailing Wage Act; **N.J.S.A. 34:56.25** et seq.

Workmen employed in the performance of this Contract shall be paid not less than the prevailing wage rate as has been or shall be designated by the Commissioner of Labor and Workforce Development. In the event it is found that any workman, employed by the Contractor or any Subcontractor covered by this Contract, has been paid a rate of wages less than the prevailing wage required to be paid by this Contract, the COMMISSION may terminate the Contractor's or Subcontractor's right to proceed with the work, or such part of the work as to which there has been a failure to pay required wages, and to prosecute the work to completion or otherwise. The Contractor and his Sureties will be liable to the COMMISSION for any excess costs occasioned thereby.

If **N.J.S.A. 34:9-2**, shall not be complied with, this Contract shall be voidable at the instance of the COMMISSION.

In the performance of this Contract the Contractor and all Subcontractors shall use only domestic materials subject to the exception contained in **N.J.S.A. 40A:11-18**.

The following provisions are made pursuant to **N.J.S.A. 10:2-1**:

In the hiring of persons for the performance of work under this Contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this Contract, no Contractor, nor any person acting on behalf of such Contractor or Subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex discriminate against any person who is qualified and available to perform the work to which the employment relates;

No Contractor, Subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this Contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such Contract on account of race, creed, color, national

origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;

There may be deducted from the amount payable to the Contractor by the COMMISSION, under this Contract, a penalty of fifty dollars (\$50.00) for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the Contract; and

This Contract may be canceled or terminated by the COMMISSION, and all money due, or to become due hereunder, may be forfeited, for any violation of this Section of the Contract occurring after notice to the Contractor from the COMMISSION of any prior violation of this Section of the Contract.

Pursuant to **N.J.S.A. 52:15C-14(d)**, the Contractor shall maintain all documentation related to products, transactions or services under this Contract for a period of five (5) years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request.

The Contractor shall deliver a Performance Bond, a Payment Bond and a Maintenance Bond to the COMMISSION each in the full amount of this Contract, executed upon forms approved by the COMMISSION, by itself and a SURETY company or companies acceptable to the COMMISSION, and qualified to do business under the laws of the State of New Jersey, insuring the faithful performance of all the terms of this Contract and the settlement of claims or other liabilities caused by or incident to the execution of said Contract as well as such other items as may be required by the laws of the State of New Jersey.

The Commission hereby appoints the Executive Director of the COMMISSION, as its agent to receive the service of process in any civil action by any third party purporting to arise out of this Contract or the performance of the work being done thereunder, it being the intent and understanding of the parties that the Contractor shall submit itself to the jurisdiction of any court of the State of New Jersey of competent jurisdiction wherein a civil action is instituted against the Contractor for a breach of any of the covenants of this Contract, the condition of its bond or bonds or any tort alleged to have resulted from the performance of this work provided for herein. The Contractor shall require the same authority to be given by each or every Subcontractor engaged by it in the performance of the work herein provided for. The Executive Director of the COMMISSION shall upon receipt of any such process promptly forward the same by certified or registered United States Mail to the Contractor or the Subcontractor, as the case may be, at its last known address.

Insurance policies provided by the Contractor in which the COMMISSION shall be named as the insured, shall be deemed to be the property of the COMMISSION so long as any work under the Contract remains in performance, and no cancellation of any such policy will be permitted. No changes in any insurance coverages in which the Contractor shall be named as the insured and covering the risk involved in the doing of the work under this Contract shall in any way be altered during the progress of the work except to renew any such policy the term of which may expire during the performance of the work. In the event of the expiration of any such policy during the performance of the

work a renewal policy shall be provided to the COMMISSION at least thirty (30) days in advance of such expiration.

Pursuant to **N.J.S.A. 54:49-4.1**, a business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001,c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977,c.110 (C.5:12-92), or that provides false information of business registration under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

Pursuant to **N.J.S.A. 19:44A-20.27** and as applicable, the Contractor shall file an award disclosure statement with the New Jersey Election Law Enforcement Commission.

This agreement has been executed in quadruplicate and is binding upon the parties hereto, their respective heirs, executors, administrators, successors and assigns.

This Contract or any interest therein shall not be assigned by the Contractor without the written consent of the COMMISSION, first had and obtained, which consent shall be effective only if given by a duly adopted resolution of the COMMISSION.

\_\_\_\_\_, 2024                      Burlington County Bridge Commission  
Palmyra, New Jersey

Seal Attest:    By \_\_\_\_\_  
\_\_\_\_\_

Secretary

Seal Attest:    Contractor:  
\_\_\_\_\_

Title \_\_\_\_\_ By \_\_\_\_\_

Title \_\_\_\_\_

**END OF CONTRACT**

# PERFORMANCE BOND

**Burlington County Bridge Commission**

**PERFORMANCE BOND**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned  
as PRINCIPAL, and \_\_\_\_\_ with underwriting office at

\_\_\_\_\_ to which all communication in regard to this Bond should be addressed, a corporation organized and existing under the laws of the State of \_\_\_\_\_ and duly authorized to do business in the State of New Jersey, as SURETY, are hereby held and firmly bound unto the Burlington County Bridge Commission in the penal sum of

(Not less than one hundred percent of total Contract Price),

Dollars (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

SIGNED and SEALED this \_\_\_\_\_ day of \_\_\_\_\_ A.D. two thousand and \_\_\_\_\_.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT, WHEREAS, the above named PRINCIPAL did on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, enter into a Contract with the Burlington County Bridge Commission for the \_\_\_\_\_ which said Contract is made a part of

(Contract Title)

this Bond the same as though set forth herein.

Now, if the said PRINCIPAL shall well and faithfully do and perform each and every, all and singular, the things agreed by it (or them) to be done and performed according to the terms of said Contract, or any changes or modifications therein made as therein provided, and shall indemnify and save harmless the Burlington County Bridge Commission, the members thereof and their successors, officers, agents, consultants, employees, and each and every one of them against and from all suits, actions and costs of any kind, character or description and from all damages to which the said Burlington County Bridge Commission, the members thereof and their successors, or any of its officers, agents, consultants and employees may be put by reason of injury to the person or property of others resulting from the performance of said work, or through the negligence of the PRINCIPAL, or through any improper or defective equipment,



machinery, implements or appliances used by said PRINCIPAL in the aforesaid work, or through any act or omission on the part of the PRINCIPAL , its agents, consultants, or employees, or through any infringement of patent, trademark or copyright; then this obligation shall be void; otherwise the same shall remain in full force and effect, it being expressly understood and agreed that the liability of the SURETY(ies) for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said SURETY(ies) hereby stipulates and agrees that no modifications, omissions or additions in or to the terms of the said Contract, or in or to the Drawings or Specifications therefore, shall in anywise affect the obligations of said SURETY(ies) on its Bond.

Witness or Attest:

|   |  |
|---|--|
| _____<br>Secretary<br><br>_____<br>(Print or type name) | _____<br>Principal<br><br>_____<br>(Print or type name)<br><br>(Affix Corporate Seal of Principal) |
|---|--|

Witness or Attest:

|   |  |
|---|--|
| _____<br>Secretary<br><br>(Also print or type name) | _____<br>Surety<br><br>(Also print or type name)<br><br>(Affix Corporate Seal of Surety) |
|---|--|

*Certification to the Authority of the Attorney in fact to Commit the Surety Company, and a true and correct statement of the Financial Condition of Said Surety Company, must accompany this Performance Bond.*

|  |
|--|
| For Commission Use Only:<br><br>Surety(ies) Checked by _____<br><br>Treasury Circular 570 \$ _____<br><br>Licensed in New Jersey _____ |
|--|

**END OF PERFORMANCE BOND**

# **PAYMENT BOND**

**Burlington County Bridge Commission**

**PAYMENT BOND**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned \_\_\_\_\_ as PRINCIPAL, and \_\_\_\_\_ with underwriting office at \_\_\_\_\_

to which all communication in regard to this Bond should be addressed, a corporation organized and existing under the laws of the State of \_\_\_\_\_ and duly authorized to do business in the State of New Jersey, as SURETY, are hereby held and firmly bound unto the Burlington County Bridge Commission in the penal sum of \_\_\_\_\_

(One hundred percent of total Contract price)

Dollars (\$ \_\_\_\_\_), of lawful money of the United States of America, for the payment of which well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

SIGNED and SEALED this \_\_\_\_ day of \_\_\_\_\_ AD two thousand and \_\_\_\_\_.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT, WHEREAS, the above named PRINCIPAL did on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, enter into a Contract with the Burlington County Bridge Commission, for the \_\_\_\_\_,

(Contract Title)

which said Contract is made a part of this Bond the same as though set forth herein. Now, if the said PRINCIPAL shall pay all lawful claims of subcontractors, material men, laborers, persons, firms or corporations, for labor performed or materials, provisions, or miscellaneous supplies, fuels, oils, implements, equipment, or machinery furnished, used or consumed in the carrying forward, performing or completing of said Contract, or any changes or modifications therein made as therein provided; we agreeing and assenting that this undertaking shall be for the benefit of any subcontractor, material man, laborer, person, firm or corporation having a just claim, as well as for the Burlington County Bridge Commission; and shall further indemnify and save harmless the Burlington County Bridge Commission, its officers, agents, consultants, employees and each and every one of them from any and all suits, actions and costs of any kind, character or description whatsoever which may be brought or instituted by any subcontractor, material man, laborer, person, firm or corporation who (which) has performed work or furnished materials in or about the work required to be done pursuant to the said Contract; then this obligation shall be void; otherwise the same shall remain in full force and effect, it being expressly understood and agreed that the

liability of the SURETY for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said SURETY(ies) hereby stipulates and agrees that no modifications, omissions or additions in or to the terms of the said Contract, or in or to the Plans or Specifications therefore, shall in anywise affect the obligations of said SURETY(ies) on its Bond.

Witness or Attest:

|                      |                                     |
|----------------------|-------------------------------------|
| _____                | _____                               |
| Secretary            | Principal                           |
| _____                | _____                               |
| (Print or type name) | (Print or type name)                |
|                      | (Affix Corporate Seal of Principal) |

Witness or Attest:

|                           |                                  |
|---------------------------|----------------------------------|
| _____                     | _____                            |
| Secretary                 | Surety                           |
| (Also print or type name) | (Also print or type name)        |
|                           | (Affix Corporate Seal of Surety) |

*Certification to the Authority of the Attorney  
in fact to Commit the Surety Company,  
and a true and correct statement of the  
Financial Condition of Said Surety  
Company, must accompany this  
Performance Bond.*

For Commission Use Only:

Surety(ies) Checked by \_\_\_\_\_

Treasury Circular 570 \$ \_\_\_\_\_

Licensed in New Jersey \_\_\_\_\_

**END OF PAYMENT BOND**

# **MAINTENANCE BOND**

**Burlington County Bridge Commission**

**MAINTENANCE BOND**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

as PRINCIPAL, and \_\_\_\_\_  
as SURETY with underwriting office at \_\_\_\_\_

to which all communication in regard to this Bond should be addressed, a corporation organized and existing under the laws of the State of \_\_\_\_\_ and duly authorized to do business in the State of New Jersey, as SURETY, are hereby held and firmly bound unto the Burlington County Bridge Commission in the penal sum of \_\_\_\_\_

(Not less than twenty percent of total Contract price), Dollars (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which well and truly to be made, we, and each of us bind ourselves, our heirs, executors, administrators, successors and assigns, hereby jointly and severally, firmly by these presents.

WHEREAS, PRINCIPAL has completed the contract titled, \_\_\_\_\_;  
and is duly accepted by the COMMISSION and that PRINCIPAL is obligated to protect the COMMISSION against any defects resulting from faulty materials, workmanship or practices in the execution of the above referred contract for a period of one (1) year beginning from date of Acceptance of the said Contract. The PRINCIPAL has agreed to guarantee the completed work from defects of any nature resulting from material, workmanship or practices employed by the PRINCIPAL in the execution of the said Contract.

NOW, THEREFORE, the condition of this obligation is such that if PRINCIPAL shall promptly and faithfully protect the COMMISSION against any defects resulting from faulty materials, workmanship or practices in the execution of this Contract for a period of one (1) year from the Acceptance, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

The COMMISSION shall notify the PRINCIPAL in writing of any defect for which the PRINCIPAL is responsible and shall specify in said notice a reasonable period of time within which PRINCIPAL shall have to correct said defect. If the PRINCIPAL shall fail to correct such defect within the time specified in said notice, then the SURETY shall have sixty (60) calendar days thereafter within which to take such action as it deems necessary to insure performance of the PRINCIPAL'S obligation.

If such defect are not corrected after the expiration of such sixty-day period, then the COMMISSION shall have the right to correct such defect and the PRINCIPAL and

SURETY, jointly and severally, shall pay all costs and expenses incurred by the COMMISSION in correcting such defect; including but not limited to, the engineering, legal and other costs, together with damages either direct or consequential, which the COMMISSION may sustain on account of PRINCIPAL'S failure to correct such defect. In addition, the COMMISSION shall have the right to contract for the correction of such defect and, upon acceptance of the lowest responsible bid, the PRINCIPAL and SURETY shall become immediately liable for the amount of the said bid, and, in the event the COMMISSION commences legal proceedings for the collection thereof, interest shall accrue on said amount at the rate of six (6) per cent per annum, beginning at the commencement of the said legal proceedings. In the event the COMMISSION commences suit for the collection of any sums due hereunder, the obligors and each of them agree to pay all costs incurred by the COMMISSION, including attorney's fees.

SIGNED and SEALED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Witness or Attest:

|                      |                                     |
|----------------------|-------------------------------------|
| _____                | _____                               |
| Secretary            | Principal                           |
| _____                | _____                               |
| (Print or type name) | (Print or type name)                |
|                      | (Affix Corporate Seal of Principal) |

Witness or Attest:

|                           |                                  |
|---------------------------|----------------------------------|
| _____                     | _____                            |
| Secretary                 | Surety                           |
| (Also print or type name) | (Also print or type name)        |
|                           | (Affix Corporate Seal of Surety) |

*Certification to the Authority of the Attorney in fact to Commit the Surety Company, and a true and correct statement of the Financial Condition of Said Surety Company, must accompany this Maintenance Bond.*

**END OF MAINTENANCE BOND**

# **INSPECTION AFFIDAVIT**



**Burlington County Bridge Commission**

**INSPECTION AFFIDAVIT**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

STATE OF \_\_\_\_\_ )

) SS:

COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_ the \_\_\_\_\_ (Title)

of \_\_\_\_\_, do hereby declare  
\_\_\_\_\_ Company

I or my duly authorized representative(s) did adequately inspect the project site on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_; and, I hereby acknowledge that I have satisfied myself with regard to the characteristics and the condition of the site and the structures involved, and the general nature, quantity and extent of the work to be performed and materials furnished under this Contract.

\_\_\_\_\_  
(Company)

Subscribed and sworn to before me this By \_\_\_\_\_

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Notary Public

My Commission expires on

\_\_\_\_\_, 20\_\_\_\_

**END OF INSPECTION AFFIDAVIT**

# **NON – COLLUSION AFFIDAVIT**

**Burlington County Bridge Commission**

**NON-COLLUSION AFFIDAVIT**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

The undersigned Bidder hereby specifically certifies that, to the best of its knowledge and belief, the annexed bid for the above named project has not been prepared in collusion with any other Bidder or like item or service and that the prices, discounts, terms, and conditions thereof have not been directly or indirectly communicated by or on behalf of said Bidder to any such person other than the recipient of such bid and will not be communicated to any such person prior to the official opening of said bid.

Bidder fully understands that no premiums, rebates or gratuities are permitted either with, prior to, or after signing of contract. Any such violation will result in cancellation and the removal from bid list.

Undersigned Bidder further certifies that it has the necessary authority to sign this stipulation stating it has not entered into any agreement or otherwise taken any action in restraint of free competitive bidding in connection with above-named project.

This certification may be treated for all purposes as a sworn statement made under the oath as equivalent affirmation and that, any statements made herein are untrue the Bidder may be subject to the provisions of N.J.S.A. 2C:28 -1 through N.J.S.A. 2C:28 - 3 inclusive, and relevant sequential sections and if applicable, 18 U.S.C. 1001, et seq.

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(type or print name as signed)

\_\_\_\_\_  
(title)

\_\_\_\_\_  
(business name)

\_\_\_\_\_  
(telephone number)

Dated: \_\_\_\_\_, 20\_\_\_\_

**END OF NON-COLLUSION AFFIDAVIT**

**HOLD HARMLESS/INDEMNIFICATION**

**Burlington County Bridge Commission**  
**HOLD HARMLESS/INDEMNIFICATION AGREEMENT**

**Riverside-Delanco Bridge**  
**CR 543 Over Rancocas Creek**  
**Bridge Rehabilitation**  
**(BCBC – 202505)**

The BIDDER, if awarded the CONTRACT under these specifications, [hereinafter BIDDER/CONTRACTOR] agrees to indemnify and hold harmless the Commissioners of the Burlington County Bridge Commission, its officers, employees, agents and servants; and the Engineer, their employees, agents, and consultants from and against any and all claims, demands, suits, actions, recoveries, judgments, costs and expenses including attorneys fees, incurred or suffered on account of property damage or loss and/or personal injury including loss of life of any person, agency, corporation or governmental entity which shall arise out of the course of or in consequence to any acts or omissions of the BIDDER/CONTRACTOR, its employees, agents, servants or subcontractors in the performance of the work to be performed pursuant to these specifications or the failure of the BIDDER/CONTRACTOR, its employees, agents, servants or subcontractors to comply with any term or condition of these specifications. The BIDDER/CONTRACTOR further agrees that this indemnification by the BIDDER/CONTRACTOR shall continue after completion of the CONTRACT for all claims, demands, suits, actions, recoveries, judgments, cost and expenses including attorney fees resulting from acts or omissions of the BIDDER/CONTRACTOR, its employees, agents, servants or subcontractors which occur prior to the completion of the CONTRACT.

\_\_\_\_\_, 20\_\_\_\_\_

(date signed)

\_\_\_\_\_  
(firm name)

[corporate or notary seal]

\_\_\_\_\_  
(signature)

ATTEST: \_\_\_\_\_

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(type or print name and title)

\_\_\_\_\_  
(type or print name/title)

\_\_\_\_\_  
address

\_\_\_\_\_  
telephone number

**END OF HOLD HARMLESS/INDEMNIFICATION AGREEMENT**

# **AFFIRMATIVE ACTION QUESTIONNAIRE**

**Burlington County Bridge Commission**

**AFFIRMATIVE ACTION QUESTIONNAIRE**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

This Questionnaire should be submitted with your bid. The necessary form (AA-201) will be sent by the COMMISSION when the Notice of Award is issued.

1. Our company has a Federal or State of New Jersey Affirmative Action Plan approval.

[ ] YES

[ ] NO

- A. If yes, attach a photostatic copy of said approval to this page. Acceptable approvals are a current letter (not more than one (1) year from date) from the United States Department of Labor or a State of New Jersey Certificate of Employee Information Report.
- B. If no, and you become successful Bidder, an Initial Project Workforce Report Construction (Form AA-201) will be provided and must be submitted within three (3) days after the contract is signed by the Contractor.

You must enter the Contract name shown on the cover of this solicitation on all forms submitted.

I certify that the above information is correct to the best of my knowledge.

SIGNATURE \_\_\_\_\_

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

BUSINESS NAME \_\_\_\_\_

**END OF AFFIRMATIVE ACTION QUESTIONNAIRE**



# **OWNERSHIP DISCLOSURE**

**Burlington County Bridge Commission**

**OWNERSHIP DISCLOSURE**

**Riverside-Delanco Bridge**

**CR 543 Over Rancocas Creek**

**Bridge Rehabilitation**

**(BCBC – 202505)**

In accordance with N.J.S.A. 52:25-24.2, all parties entering into a Contract with the Commission are required to complete this form.

Name of Company: \_\_\_\_\_

Principal Place of Business: \_\_\_\_\_

**PART 1**

PLEASE COMPLETE THE QUESTIONS BELOW BY CHECKING EITHER THE “**YES**” OR THE “**NO**” BOX.

1. Are there any individuals, corporations, partnerships, or limited liability companies owning a 10% or greater interest in the Bidder?

YES ☐ NO ☐

IF THE ANSWER TO QUESTION 1 IS “**NO**”, PLEASE SIGN AND DATE THE FORM.

IF THE ANSWER TO QUESTION 1 IS “**YES**”, PLEASE ANSWER QUESTIONS 2 – 4 BELOW.

2. Of those parties owning a 10% or greater interest in the Bidder, are any of those parties individuals?

YES ☐ NO ☐

3. Of those parties owning a 10% or greater interest in the Bidder, are any of those parties corporations, partnerships, or limited liability companies?

YES ☐ NO ☐

4. If your answer to Question 3 is “**YES**”, are there any parties owning a 10% or greater interest in the corporation, partnership, or limited liability company referenced in Question 3?

YES ☐ NO ☐

IF ANY OF THE ANSWERS TO QUESTIONS 2 - 4 ARE “**YES**”, PLEASE PROVIDE THE REQUESTED INFORMATION IN PART 2 ON PAGE NUMBERS OD-2 AND O-3.

## **PART 2**

PLEASE PROVIDE FURTHER INFORMATION RELATED TO QUESTIONS 2-4 ANSWERED AS “**YES**”.

If you answered “**YES**” for questions 2, 3, or 4, you must disclose identifying information related to the individuals, corporations, partnerships, and/or limited liability companies owning a 10% or greater interest in the Bidder. Further, if one or more of these entities is itself a corporation, partnership, or limited liability company, you must also disclose all parties that own a 10% or greater interest in that corporation, partnership or limited liability company. This information is required by statute.

### **INDIVIDUALS**

**NAME** \_\_\_\_\_ **DATE OF BIRTH** \_\_\_\_\_

**ADDRESS 1** \_\_\_\_\_

**ADDRESS 2** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**NAME** \_\_\_\_\_ **DATE OF BIRTH** \_\_\_\_\_

**ADDRESS 1** \_\_\_\_\_

**ADDRESS 2** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**NAME** \_\_\_\_\_ **DATE OF BIRTH** \_\_\_\_\_

**ADDRESS 1** \_\_\_\_\_

**ADDRESS 2** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**NAME** \_\_\_\_\_ **DATE OF BIRTH** \_\_\_\_\_

**ADDRESS 1** \_\_\_\_\_

ADDRESS 2 \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Attach Additional Sheets If Necessary

**PARTNERSHIPS/CORPORATIONS/LIMITED LIABILITY COMPANIES**

**ENTITY NAME** \_\_\_\_\_

**PARTNER NAME** \_\_\_\_\_

ADDRESS 1 \_\_\_\_\_

ADDRESS 2 \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**ENTITY NAME** \_\_\_\_\_

**PARTNER NAME** \_\_\_\_\_

ADDRESS 1 \_\_\_\_\_

ADDRESS 2 \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**ENTITY NAME** \_\_\_\_\_

**PARTNER NAME** \_\_\_\_\_

ADDRESS 1 \_\_\_\_\_

ADDRESS 2 \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**ENTITY NAME** \_\_\_\_\_

**PARTNER NAME** \_\_\_\_\_

ADDRESS 1 \_\_\_\_\_

ADDRESS 2 \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Attach Additional Sheets If Necessary

In the alternative, to comply with the ownership disclosure requirement, a Bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10% or greater beneficial interest in the publicly traded entity as of the last annual filing with the Federal Securities and Exchange Commission or the foreign equivalent and if there is any person that holds a 10% or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the Federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest. **N.J.S.A. 52:25-24.2.**

### **CERTIFICATION**

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Bidder, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the Burlington County Bridge Commission is relying on the information contained herein, and that the Bidder is under a continuing obligation from the date of this certification through the completion of any contract(s) with the Commission to notify the Commission in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I will be subject to criminal prosecution under the law, and it will constitute a material breach of my agreement(s) with the Commission, permitting the Commission to declare any contract(s) resulting from this certification void and unenforceable.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name and Title \_\_\_\_\_

FEIN/SSN \_\_\_\_\_

### **END OF OWNERSHIP DISCLOSURE**

# **RESPONSIBLE CONTRACTOR CERTIFICATION**

**Burlington County Bridge Commission**  
**RESPONSIBLE CONTRACTOR CERTIFICATION**  
**Riverside-Delanco Bridge**  
**CR 543 Over Rancocas Creek**  
**Bridge Rehabilitation**  
**(BCBC – 202505)**

I certify that the following statements made by me are true:

1. I have such authority to bind my firm to compliance with the Burlington County Bridge Commission Responsible Contractor Certification requirements.
2. My firm and all Subcontractors providing work on this contract shall be responsible Contractors or Subcontractors with sufficient capabilities in all respects to successfully perform contracts on which they are engaged, including the necessary experience, equipment, technical skills and qualifications and organizational, financial and personnel resources. My firm has a satisfactory past performance record and a satisfactory record of law compliance, integrity and business ethics.
3. I further certify to the following facts regarding my firm's past performance and work history and its current qualifications and performance capabilities:
  - a. My firm has all valid, effective licenses, registrations or certificates required by federal, state, county, or local law, including, but not limited to licenses, registrations, or certificates required to: (1) do business in the designated locale; and (2) perform the contract work it seeks to perform. These shall include, but not be limited to, licenses, registrations or certificates for any type of trade work or specialty work which the firm proposes to self-perform.
  - b. My firm meets the bonding requirements for the contract, as required by applicable law or contract specifications and any insurance requirements, as required by applicable law or contract specifications, including, but not limited to, general liability insurance, workers compensation insurance and unemployment insurance requirements.
  - c. My firm has not been debarred by any federal, state or local government agency or authority in the past three (3) years.
  - d. My firm has not defaulted on any project in the past three (3) years.
  - e. My firm has not had any type of business, contracting or trade license, registration or other certification suspended or revoked in the past three (3) years.

- f. My firm has not been cited for a willful violation of federal or state safety laws in the past three (3) years.
- g. My firm and/or its owners have not been convicted of any crime relating to the contracting business by a final decision of a court or government agency in the past three (3) years.
- h. My firm will pay all craft employees that it employs on the project the current wage rates and benefits as required under applicable State prevailing wage laws.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(type or print name as signed)

\_\_\_\_\_  
(title)

\_\_\_\_\_  
(firm name)

\_\_\_\_\_  
(telephone number)

Dated: \_\_\_\_\_, 20\_\_

**END OF RESPONSIBLE CONTRACTOR CERTIFICATION**



# **DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

## **Burlington County Bridge Commission**

### **DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

#### **Riverside-Delanco Bridge**

#### **CR 543 Over Rancocas Creek**

#### **Bridge Rehabilitation**

**(BCBC – 202505)**

### **PART 1: CERTIFICATION**

**BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX**

### **FAILURE TO CHECK EITHER BOX WILL RENDER THE PROPOSAL NON-RESPONSIVE**

Pursuant to Public Law 2021, c. 4, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a Contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. This may be done at the time the bid is submitted or prior to the time the Contract is awarded. Bidders must review this list prior to completing the below Certification. Failure to complete the Certification will prevent execution of the Contract. If the Director finds a person or entity to be in violation of law, the Director shall take action as may be appropriate and provided by law, rule or Contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

### **PLEASE CHECK EITHER BOX:**

**[ ]** I certify, pursuant to P.L. 2012, c. 25, that neither the person/entity listed above nor any of the entity's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. I will skip Part 2 and sign and complete the Certification.

### **OR**

**[ ]** I am unable to certify as above because I or the bidding entity and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the

proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

## **PART 2**

### **PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN**

You **must** provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the information below.

**PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, USE ADDITIONAL PAGES.**

Name: \_\_\_\_\_

Relationship to  
Bidder: \_\_\_\_\_

Description of  
Activities: \_\_\_\_\_

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

Duration of Engagement: \_\_\_\_\_ Anticipated Cessation Date: \_\_\_\_\_

Bidder: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

**Certification:** I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this Certification on behalf of the below-referenced person or entity. I acknowledge that the Burlington County Bridge Commission ("Commission") is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this Certification through the completion of Contracts with the Commission to notify the Commission in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this Certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with the Commission and that the Commission at its option may declare any Contract(s) resulting from this Certification void and unenforceable.

Full Name  
(Print): \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Bidder: \_\_\_\_\_

**END OF DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

**NOTICE REGARDING N.J.S.A. 52:32-60.1**  
**Entities Engaged in Prohibited Activities in Russia and Belarus**  
**Updated January 22, 2024**

N.J.S.A. 52:32-60.1 requires the Department of the Treasury (Treasury) to establish a list of persons and entities engaging in prohibited activities in Russia or Belarus. The law prohibits the State from (1) entering into or renewing contracts; (2) approving or renewing Public Works Contractor Registrations; (3) approving economic development subsidies; (4) providing tax clearance certificates; and (5) certifying urban renewal entities for the purposes of the “Long Term Tax Exemption Law” with a person or entity identified on the list.

On December 22, 2023, a company obtained a permanent injunction from the United States District Court for the District of New Jersey, which enjoins the State from enforcing N.J.S.A. 52:32-60.1 against that company on the ground that such enforcement would conflict with the existing federal sanctions regime and thus violate the U.S. Constitution’s Supremacy Clause.

N.J.S.A. 52:32-60.4 provides that N.J.S.A. 52:32-60.1 “shall not apply in circumstances when their application would violate federal law.” Accordingly, to enforce N.J.S.A. 52:32-60.1 in a manner consistent with the District Court’s decision and federal law, Treasury deems its list of persons and entities engaging in prohibited activities in Russia or Belarus to consist of all persons and entities appearing on the list of Specially Designated Nationals and Blocked Persons promulgated by the Office of Foreign Assets Control (OFAC) on account of activity relating to Russia or Belarus. A searchable database of OFAC-listed persons and entities is available here: <https://sanctionssearch.ofac.treas.gov/>.

State agencies shall ensure that they review the OFAC Specially Designated Nationals and Blocked Persons list prior to (1) entering into or renewing contracts; (2) approving or renewing Public Works Contractor Registrations; (3) approving economic development subsidies; (4) providing tax clearance certificates; and (5) certifying urban renewal entities for the purposes of the “Long Term Tax Exemption Law” with any vendor.

Treasury is publishing a revised *Certification of Non-Involvement In Prohibited Activities in Russia or Belarus* form in light of the District Court’s decision. Vendors are required to complete and submit the revised *Certification of Non-Involvement In Prohibited Activities in Russia or Belarus* to the State agency when (1) entering into or renewing contracts; (2) seeking a Public Works Contractor Registration; (3) seeking an economic development subsidy; (4) seeking a tax clearance certificate; or (5) seeking a “Long Term Tax Exemption Law” as an urban renewal entities.



## CERTIFICATION OF NON-INVOLVEMENT IN PROHIBITED ACTIVITIES IN RUSSIA OR BELARUS

Pursuant to N.J.S.A. 52:32-60.1, et seq. ([L. 2022, c. 3](#)) any person or entity (hereinafter "Vendor") that seeks to enter into or renew a contract with a State agency for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: <https://sanctionssearch.ofac.treas.gov/>. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

I, the undersigned, certify that I have read the definition of "Vendor" below, and have reviewed the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, and having done so certify:

*(Check the Appropriate Box)*

- A. That the Vendor is not identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).

**OR**

- B. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).

**OR**

- C. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list](#). However, the Vendor is engaged in activity related to Russia and/or Belarus consistent with federal law, regulation, license or exemption. A detailed description of how the Vendor's activity related to Russia and/or Belarus is consistent with federal law is set forth below.

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*(Attach Additional Sheets If Necessary.)*

---

Signature of Vendor's Authorized Representative

---

Date

---

Print Name and Title of Vendor's Authorized Representative

---

Vendor's FEIN

---

Vendor's Name

---

Vendor's Phone Number

---

Vendor's Address (Street Address)

---

Vendor's Fax Number

---

Vendor's Address (City/State/Zip Code)

---

Vendor's Email Address

---

<sup>i</sup> Vendor means: (1) A natural person, corporation, company, limited partnership, limited liability partnership, limited liability company, business association, sole proprietorship, joint venture, partnership, society, trust, or any other nongovernmental entity, organization, or group; (2) Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act, 22 U.S.C. 262r(c)(3); or (3) Any parent, successor, subunit, direct or indirect subsidiary, or any entity under common ownership or control with, any entity described in paragraph (1) or (2).

# **PREVAILING WAGE RATE DETERMINATION**

## **NEW JERSEY – DEPARTMENT OF LABOR**

**It is recommended that the bidder download the wage rates immediately prior to the scheduled bid due date to ensure the latest rates are included in their bid.**

<https://www.nj.gov/labor/wageandhour/prevailing-rates/public-works/currentprevailingwage.shtml>

# **PROJECT LABOR AGREEMENT**



# **Burlington County Bridge Commission**

## **PROJECT LABOR AGREEMENT**

### **Riverside-Delanco Bridge**

### **CR 543 Over Rancocas Creek**

### **Bridge Rehabilitation**

#### **ARTICLE 1 - PREAMBLE**

**WHEREAS**, the Burlington County Bridge Commission, (hereinafter “the Bridge Commission”), on behalf of itself as Owner, and the United Building Trades Council of Southern New Jersey, on behalf of itself, desire to provide for the efficient, safe, quality, and timely completion of the construction of the **BURLINGTON COUNTY BRIDGE COMMISSION RIVERSIDE-DELANCO BRIDGE REHABILITATION PROJECT**, BCBC Contract No. 202505, in a manner designed to afford lower reasonable costs to the Bridge Commission, the Owner, and the Public who it represents, and the advancement of public policy objectives;

**WHEREAS**, this Project Labor Agreement will foster the achievement of these goals, inter alia by:

- (1) ensuring a reliable source of skilled and experienced labor;
- (2) standardizing the terms and conditions governing the employment of labor on the Project;
- (3) permitting wide flexibility in work scheduling and shift hours and times; from those which otherwise might obtain;
- (4) receiving negotiated adjustments as to work rules and staffing requirements from those which otherwise might obtain;
- (5) providing comprehensive and standardized mechanisms for the settlement of work disputes, including those relating to jurisdiction;
- (6) avoiding the costly delays of potential strikes, slowdowns,
- (7) walkouts, picketing and other disruptions arising from work disputes, and promote labor harmony and peace for the duration of the Project.
- (8) furthering public policy objectives as to improved employment

- (9) opportunities for minorities, women and the economically disadvantaged in the construction industry;
- (10) expediting the construction process;

and, **WHEREAS**, the signatory Unions desire the stability, security and work opportunities afforded by a Project Labor Agreement;

and **WHEREAS**, the Parties desire to maximize Project safety conditions for both workers and the public,

**NOW, THEREFORE**, the Parties enter into this Agreement:

## **SECTION 1. PARTIES TO THE AGREEMENT**

This is a Project Labor Agreement ("Agreement") entered into by and between the Bridge Commission and the United Building Trades Council of Southern New Jersey for the construction work of the **BURLINGTON COUNTY BRIDGE COMMISSION RIVERSIDE-DELANCO BRIDGE REHABILITATION PROJECT**, BCBC Contract No. 202505, be performed on the property of the Bridge Commission, in the State of New Jersey, and by United Building Trades Council of Southern New Jersey, on behalf of itself and its affiliates and the members and the signatory Local Unions, on behalf of themselves and their members.

## **ARTICLE 2 - GENERAL CONDITIONS**

### **SECTION 1. DEFINITIONS**

Throughout this Agreement, the Union party and the Building Trades Council are referred to singularly and collectively as "the Union(s)" where specific reference is made to "Local Unions" that phrase is sometimes used; the term "Contractor(s)" shall include the General Contractor (GC), and all signatory contractors, and their subcontractors of whatever tier, engaged in on-site Project construction work within the scope of this Agreement as defined in Article III; the Bridge Commission is referenced as Owner; the United Building Trades Council of Southern New Jersey is referenced as the "BTC", and the work covered by this Agreement (as defined in Article III) is referred to as the "Project".

### **SECTION 2. CONDITIONS FOR AGREEMENT TO BECOME EFFECTIVE**

The Agreement shall not become effective unless executed by the BTC and the Bridge Commission, and will remain in effect until the completion of the Project.

### **SECTION 3. ENTITIES BOUND & ADMINISTRATION OF AGREEMENT**

This Agreement shall be binding on all signatory Unions and the General Contractor and all signatory Contractors performing on-site Project work, including site preparation

and staging areas, as defined in Article 3. The Contractors shall include in any subcontract that they let, for performance during the term of this Agreement, a requirement that their subcontractors, of whatever tier, become signatory and bound by this Agreement with respect to subcontracted work performed within the scope of Article 3 and execute the Letter of Assent attached as Schedule B. This Agreement shall be administered by the GC on behalf of all Contractors. The BTC warrants that it is authorized to execute this Agreement on behalf of all the Unions noted in Exhibit A.

#### **SECTION 4. SUPREMACY CLAUSE**

This Agreement, together with the local Collective Bargaining Agreements appended hereto as Schedule A represents the complete understanding of all signatories and supersedes any national agreement, local agreement or other collective bargaining agreement of any type which would otherwise apply to this Project, in whole or in part, except for all work performed under the NTD Articles of Agreement, the National Stack/Chimney Agreement, the National Cooling Tower Agreement, all instrument calibration work and loop checking shall be performed under the terms of the UA/IBEW Joint National Agreement for Instrument and Control Systems Technicians, and the National Agreement of the International Union of Elevator Constructors, with the exception of Article VII, IX and X of this Project Agreement, which shall apply to such work. Where a subject covered by the provisions, explicit or implicit, of this Agreement is also covered by a Schedule A, the provisions of this Agreement shall prevail. It is further understood that neither the GC nor any Contractor shall be required to sign any other agreement as a condition of performing work on this Project. No practice, understanding or agreement between a Contractor and Local Union, which is not explicitly set forth in this Agreement shall be binding on this Project unless endorsed in writing by the GC.

#### **SECTION 5. LIABILITY**

The liability of any Contractor and the liability of any Union under this Agreement shall be several and not joint. The GC and any Contractor shall not be liable for any violations of this Agreement by any other Contractor, and the BTC and Local Unions shall not be liable for any violations of this Agreement by any other Union.

#### **SECTION 6. THE GENERAL CONTRACTOR**

The Owner and the GC shall require in its bid specifications for all work within the scope of Article 3 that all successful bidders, and their subcontractors of whatever tier, become bound by, and signatory to, this Agreement. The Bridge Commission is not a party to and shall not be liable in any manner under this Agreement. It is understood that nothing in this Agreement shall be construed as limiting the sole discretion of the Bridge Commission in determining which Contractors shall be awarded contracts for Project work. It is further understood that the Bridge Commission has sole discretion at any time to terminate, delay or suspend the work, in whole or part, on this Project.

## **SECTION 7. AVAILABILITY AND APPLICABILITY TO ALL SUCCESSFUL BIDDERS**

The Unions agree that this Agreement will be made available to, and will fully apply to any successful bidder for Project work who becomes signatory thereto, without regard to whether that successful bidder performs work at other sites on either a union or non-union basis and without regard to whether employees of such successful bidder are, or are not, members of any unions. This Agreement shall not apply to the work of any Contractor or GC, which is performed at any location other than a Project site, as defined in Article 3, Section 1.

## **SECTION 8. SECURITY MONITORING**

The parties agree that all communication by the parties with any media sources regarding the Project must be done only by the Owner.

The parties agree and consent to the Contractors' implementation and use of a security badging system.

Finally, the parties agree and consent to the Contractors' implementation of Security checkpoints at the entrances to and exits from the Project Site, at which Project Security personnel will randomly inspect the containers, apparel, vehicles and other personal belongings of employees who enter and exit the Project Site to deter theft. Employees who refuse to submit to an inspection of their containers, apparel, vehicles and other personal belongings will be prohibited from re-entering the Project Site. The parties agree and consent to implement and cooperate with any other Project Site security requirements imposed by the Owner, which shall be disclosed to the County Council in advance of the pre-job meeting.

## **ARTICLE 3 - SCOPE OF THE AGREEMENT**

The Project work covered by this Agreement shall be as defined and limited by the following sections of this Article.

### **SECTION 1: THE WORK**

This Agreement shall apply to all on-site public construction work, including site preparation, demolition and hazardous waste remediation, for the **BURLINGTON COUNTY BRIDGE COMMISSION RIVERSIDE-DELANCO BRIDGE REHABILITATION PROJECT**, BCBC Contract No. 202505, in the State of New Jersey, and in the County of Burlington, as is further delineated in the scope of final contract documents.

The scope of work is confined to the on-site Project work contained in the scope of the final construction contract of the General Contractor. The scope of Project work may be amended from time to time by the Owner's Representative to include work not performed under the above description.

The parties hereby agree that all Tele-data work and associated electrical work performed on any of the sites during construction shall be done by employees represented by the signatory unions. For the purpose of this Agreement, Tele-data work shall include, but not limited to, the following: All receiving, placement, installation, operation, testing, inspection, maintenance, repair and service of radio, television, video, data, voice, sound, emergency call, microwave and visual production and reproduction apparatus, equipment and appliances used for domestic, commercial, education and entertainment purposes; all installation and erection of equipment, apparatus or appliance, cables and/or wire, emergency power (batteries) and all directly related work which becomes an integral part of the telecommunication and/or telecommunications related systems repair and service maintenance work of telecommunications systems and devices including, but not limited to, Private Branch Exchanges (PBX-PABX), Key equipment-owned, CCTV, CATV, card access, Systems RS 232 ethernet and/or any local area network system associated with computer installation.

## **SECTION 2. EXCLUDED EMPLOYEES**

The following persons are not subject to the provisions of this Agreement, even though performing work on the Project:

- a. Superintendents, supervisors (excluding superintendents and general supervisors and forepersons specifically covered by a craft's Schedule A), engineers, inspectors and testers (excluding divers specifically covered by a craft's Schedule A), quality control/assurance personnel, timekeepers, mail carriers, clerks, office workers, messengers, guards, non-manual employees, and all professional, engineering, administrative and management persons;
- b. Employees of Owner or any State agency, authority or entity or employees of any municipality or other public employer;
- c. Employees and entities engaged in off-site manufacture, modifications, repair, maintenance, assembly, painting, handling or fabrication of project components, materials, equipment or machinery, unless such offsite operations are covered by the New Jersey Prevailing Wage Act (for example, by being dedicated exclusively to the performance of the public works contract or building project and are adjacent to the site of work), or involved in deliveries to and from the Project site, excepting local deliveries of all major construction materials including fill, ready mix, concrete and cement, asphalt and other items which are covered by this Agreement. Provided, however, local deliveries of ready mix, concrete, cement and asphalt shall not be contracted except to a subcontractor who pays wages and benefits not less than the

economic equivalent of the wages and benefits set forth in Exhibit A.

- d. Employees of the GC, excepting those performing manual, on-site construction labor who will be covered by this Agreement;
- e. Employees engaged in on-site equipment warranty.
- f. Employees engaged in geophysical testing (whether land or water) other than boring for core samples;
- g. Employees engaged in laboratory or specialty testing or inspections;
- h. Employees engaged in ancillary Project work performed by third parties such as electric utilities, gas utilities, telephone utility companies, and railroads.

### **SECTION 3. NON-APPLICATION TO CERTAIN ENTITIES**

This Agreement shall not apply to the parents, affiliates, subsidiaries, or other joint or sole ventures of any Contractor or of the GC, which do not perform work at this Project. It is agreed, for the purposes of this Agreement only, that this Agreement does not have the effect of creating any joint employment, single employer or alter ego status among the Owner, the GC and/or any Contractor. The Agreement shall further not apply to the Owner or any other state or county agency, authority, or other municipal or public entity and nothing contained herein shall be construed to prohibit or restrict the Owner or its employees of any other state authority, agency or entity and its employees from performing on or off-site work related to the Project. As the contracts which comprise the Project work are completed and accepted, the Agreement shall not have further force or effect on such items or areas except where inspections, additions, repairs, modifications, check-out and/or warranty work are assigned in writing (copy to Local Union involved) by the General Contractor for performance under the terms of this Agreement.

## **ARTICLE 4 - UNION RECOGNITION AND EMPLOYMENT**

### **SECTION 1. PRE-HIRE RECOGNITION**

The Contractors recognize the signatory Unions as the sole and exclusive bargaining representatives of all craft employees who are performing on-site Project work within the scope of this Agreement as defined in Article 3.

### **SECTION 2. UNION REFERRAL**

A. The Contractors agree to hire Project, craft employees covered by this Agreement through the job referral systems and hiring halls (where the referrals meet

the qualifications set forth in items 1, 2, and 4 subparagraph B) established in the Local Unions' area collective bargaining agreements (attached as Schedule A to this Agreement), subject to the goals of any applicable local ordinances or agreements pertaining to hiring and apprenticeship goals for minorities, women, residents of disadvantaged communities, and local residents... Notwithstanding this, the Contractors shall have sole rights to determine the competency of all referrals; the number of employees required (except with regard to piling and cranes); the selection of employees to be laid-off (subject to the applicable procedures in Schedule A for permanent and/or temporary layoffs and except as provided in Article 5, Section 3); and the sole right to reject any applicant referred by a Local Union, subject to the show-up payments required in the applicable Schedule A. In the event that a Local Union is unable to fill any request for qualified employees within a 48-hour period after such requisition is made by the Contractor (Saturdays, Sundays, and holidays excepted), the Contractor may employ qualified applicants from another competent source. In the event that the Local Union does not have a job referral system, the Contractor shall give the Local Union first preference to refer applicants, subject to the other provisions of this Article. The Contractor shall notify the Local Union of the Project, craft employees hired within its jurisdiction from any source other than referral by the Union.

B. A Contractor may request by name, and the Local will honor, referral of persons who have applied to the Local for Project work and who meet the following qualifications as determined by a Committee of 3 designated, respectively, by the applicable Local Union, the GC and a mutually selected third party or, in the absence of agreement, the permanent arbitrator (or designee) designated in Article 7:

- (1) possess any license required by NJ law for the Project work to be performed;
- (2) have worked a total of at least 1000 hours in the Construction craft during the prior 3 years;
- (3) were on the Contractor's active payroll for at least 60 out of the 180 calendar days prior to the contract award;
- (4) have demonstrated ability to safely perform the basic function of the applicable trade.

Following the employment of the first employee in each craft under Schedule A or the procedure set forth above in paragraph A, no more than 12 (12%) per centum of the employees covered by this Agreement, per Contractor by craft, shall be hired through the special provisions above which, consistent with N.J.S.A. 52:38-4, permit contractors and subcontractors working on the public works project to retain a percentage of their current workforce (any fraction shall be rounded to the next highest whole number).

C. A certified MBE/WBE contractor may request from the Workforce Coordinator, through the GC, an exception to, and waiver of, the above per centum limitation upon the number of its employees to be hired through the special provision of Section 2.B above. This exception is based upon hardship and demonstration by the contractor that the Project work would be the contractor's only job and that it would be obliged to lay off qualified minority and female employees in its current workforce moving from the last job. The exception and waiver are also conditioned upon the employees meeting the qualifications as set forth in Section 2.B above.

### **SECTION 3. NON-DISCRIMINATION IN REFERRALS**

The Unions represent that their hiring halls and referral systems will be operated in a non-discriminatory manner and in full compliance with all applicable federal, state and local laws and regulations, which require equal employment opportunities. Referrals shall not be affected in any way by the rules, regulations, bylaws, constitutional provisions or any other aspects or obligations of union membership, policies or requirements and shall be subject to such other conditions as are established in this Article. No employment applicant shall be discriminated against by any referral system or hiring hall because of the applicant's union membership, or lack thereof.

### **SECTION 4. WORKFORCE DIVERSITY**

To the extent applicable, the parties hereby agree that each will implement and abide by the requirements of the Owner with regard to workforce diversity. Furthermore, the General Contractor, Contractors and the Unions will comply with such affirmative action plan, including but not limited to: (1) the parties will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, sex or any other protected category used by government regulation; (2) the parties will endeavor to include in any solicitations or advertisements for employees or subcontractors, a notice that all qualified applicants will receive consideration for employment, and contractors and subcontractors for work, without regard to age, race, creed, color, national origin, ancestry, marital status, sex or any other protected category used by government regulation; and (3) the parties agree to utilize the best efforts to ensure that minority business enterprises and women-owned business enterprises shall have the maximum practicable opportunity to provide Construction Work under this Agreement.

The Local Unions agree and support the importance the Owner places on having and maintaining a diverse workforce. The Unions agree to refer any and all Burlington County resident journeymen and apprentices who are registered on the Out-of-Work list of the local union referral systems at the time of a contractor's request. The Local Unions will cooperate with Contractor requests for Burlington County residents,



residents of disadvantaged communities, minority, or women referrals to meet the requirements of the Owner.

In the event a Union either fails, or is unable, to refer qualified minority or female applicants in percentages equaling Project affirmative action goals as set forth in the Owners bid specifications, the Contractor may employ qualified minority or female applicants from any other available source as Apprentice Equivalents. Apprentice Equivalents will have completed a DOL approved training program, applied to take a construction Apprenticeship test, and will be paid at not less than the applicable equivalent Apprentice rate. With the approval of the Local Administrative Committee (LAC), experience in construction related areas may be accepted as meeting the above requirements.

## **SECTION 5. CROSS AND QUALIFIED REFERRALS**

The Unions shall not knowingly refer to a Contractor an employee then employed by another Contractor working under this Agreement. The Local Unions will exert their utmost efforts to recruit sufficient numbers of skilled and qualified craft employees to fulfill the requirements of the Contractor.

## **SECTION 6. UNION DUES / WORKING ASSESSMENTS**

The union security provisions contained in the applicable Schedule A local agreements, shall not apply to the employees covered by this Agreement as for the period of time during which they are performing on-site Project work. No employee shall be discriminated against at the Project site because of the employee's union membership or lack thereof. In the case of unaffiliated employees who have voluntarily executed dues checkoff authorization cards provided Schedule A local agreement, the dues payment can be received by the Unions as a working assessment fee.

## **SECTION 7. CRAFT FOREPERSONS AND GENERAL FOREPERSONS**

The selection of craft forepersons and/or general forepersons and the number of forepersons required shall be solely the responsibility of the Contractor except where otherwise provided by specific provisions of an applicable Schedule A. All forepersons shall take orders exclusively from the designated Contractor representatives. Craft foreperson shall be designated as working forepersons at the request of the Contractor, except when an existing local Collective Bargaining Agreement prohibits a foreperson from working when the craftsperson he is leading exceed a specified number.

## **ARTICLE 5 - UNION REPRESENTATION**

### **SECTION 1. LOCAL UNION REPRESENTATIVE**

Each Local Union representing on-site Project employees shall be entitled to designate in writing (copy to General Contractor involved) representatives, including the Business Manager, who shall be afforded access to the Project.

## **SECTION 2. STEWARDS**

(a) Each Local Union shall have the right to designate a working journey person as a Steward and an alternate, and shall notify the Contractor and GC of the identity of the designated Steward (and alternate) prior to the assumption of such duties. Stewards shall not exercise supervisory functions and will receive the regular rate of pay for their craft classifications. There will be no non-working Stewards on the Project.

(b) In addition to their work as an employee, the Steward shall have the right to receive complaints or grievances and to discuss and assist in their adjustment with the Contractor's appropriate supervisor. Each Steward shall be concerned with the employees of the Steward's Contractor and, if applicable, subcontractors of that Contractor, but not with the employees of any other Contractor. The Contractor will not discriminate against the Steward in the proper performance of Union duties.

(c) The Stewards shall not have the right to determine when overtime shall be worked, or who shall work overtime, except pursuant to a Schedule A provision providing procedures for the equitable distribution of overtime.

## **SECTION 3. LAYOFF OF A STEWARD**

Contractors agree to notify the appropriate Union 24 hours prior to the layoff of a Steward, except in cases of discipline or discharge for just cause. If a Steward is protected against layoff by a Schedule A, such provisions shall be recognized to the extent the Steward possesses the necessary qualifications to perform the work required. In any case in which a Steward is discharged or disciplined for just cause, the Local Union involved shall be notified immediately by the Contractor.

## **ARTICLE 6 - MANAGEMENT'S RIGHTS**

### **SECTION 1. RESERVATION OF RIGHTS**

Except as expressly limited by a specific provision of this Agreement, Contractors retain full and exclusive authority for the management of their Project operations including, but not limited to: the right to direct the work force, including determination as to the number to be hired and the qualifications therefore; the promotion, transfer, layoff of its employees; or the discipline or discharge for just cause of its employees; the assignment and schedule of work; the promulgation of reasonable Project work rules; and, the requirement, timing and number of employees to be utilized for overtime work. No rules, customs, or practices, which limit or restrict productivity or efficiency of the individual, as determined by the Contractor, GC, and/or joint working efforts with other employees shall be permitted or observed.

## **SECTION 2. MATERIALS, METHODS & EQUIPMENT**

There shall be no limitations or restrictions upon the contractors' choice of materials, techniques, methods, technology or design, or, regardless of source or location, upon the use and installation of equipment, machinery, package units, pre-cast, pre-fabricated, pre-finished, or pre-assembled materials, tool, or other labor-saving devices. Contractors may, without restriction, install or use materials, supplies or equipment regardless of their source. The on-site installation or application of such items shall be performed by the craft having jurisdiction over such work; provided, however, it is recognized that other personnel having special qualifications may participate, in a supervisory capacity, in the installation, check-out or testing of specialized or unusual equipment or facilities as designated by the Contractor. Notwithstanding the foregoing statement of contractor rights, prefabrication issues relating to work traditionally performed at the job site shall be governed pursuant to the terms of the applicable Schedule A. There shall be no restrictions as to work, which is performed off-site for the Project, except for 1) offsite operations work covered under the New Jersey Prevailing Wage Act or 2) done in a fabrication center, tool yard, or batch plant dedicated exclusively to the performance of work on the Project, and located adjacent to the "site of work". Where available locally offsite operations work covered under the New Jersey Prevailing Wage Act shall be performed within the territorial jurisdiction of the local unions signatory to this Agreement.

General Contractor agrees that when subcontracting for prefabrication of H.V.A.C. duct and other related sheet metal, such prefabrication shall be subcontracted to fabricators who pay their employees engaged in such fabrication not less than the prevailing wage for comparable sheet metal fabrication as established under agreements between local affiliates of Sheet Metal Workers' International Association and local sheet metal fabricators.

## **ARTICLE 7 - WORK STOPPAGES AND LOCKOUTS**

### **SECTION 1. NO STRIKES-NO LOCKOUT**

There shall not be strikes, sympathy strikes, picketing, work stoppages, slowdowns, hand billing, demonstrations or other disruptive activity at the Project for any reason by any Union or employee against any Contractor or employer while performing work at the Project. There shall be no other Union, or concerted or employee activity which disrupts or interferes with the operation of the existing free flow of traffic in the project area. Failure of any Union or employee to cross any picket line established by any union, signatory or non-signatory to this Agreement, or the picket or demonstration line of any other organization, at or in proximity to the Project site is a violation of this Article. There shall be no lockout at the Project by any signatory Contractor. Contractors and Unions shall take all steps necessary to ensure compliance with this Section 1 and to ensure uninterrupted construction and the free flow of traffic in the project area for the duration of this Agreement.

## **SECTION 2. DISCHARGE FOR VIOLATION**

A Contractor may discharge any employee violating Section 1, above, and any such employee will not be eligible thereafter for referral under this Agreement for a period of 100 days.

## **SECTION 3. NOTIFICATION**

If a Contractor contends that any Union has violated this Article, it will notify the appropriate district or area council of the Local Union involved advising of such fact, with copies of the notification to the Local Union and the BTC. The district or area council, and the BTC shall each instruct, order and otherwise use their best efforts to cause the employees, and/or the Local Unions to immediately cease and desist from any violation of this Article. A district or area council, or the BTC complying with these obligations shall not be liable for the unauthorized acts of a Local Union or its members.

## **SECTION 4. EXPEDITED ARBITRATION**

Any Contractor or Union alleging a violation of Section 1 of this Article may utilize the expedited procedure set forth below (in lieu of, or in addition to, any actions at law or equity) that may be brought.

- a. A party invoking this procedure shall notify J.J. Pierson Jr, Esq., at 51 JFK Parkway, First Floor West, Short Hills , New Jersey 07078, telephone number (973) 359-8100, fax number (973) 359-8161, or e-mail [jypierson@jypierson.com](mailto:jypierson@jypierson.com), who shall serve as Arbitrator under this expedited arbitration procedure. In the event that J.J. Pierson is unable to serve, a party invoking this procedure shall notify Louis Verrone, who shall serve as arbitrator under this expedited procedure. Copies of such notification will be simultaneously sent to the alleged violator and, if a Local Union is alleged to be in violation, it's International, the Owner, the GC, and the BTC.
- b. The Arbitrator shall thereupon, after notice as to time and place to the Contractor, the GC, the Local Union involved, and the BTC, hold a hearing within 48 hours of receipt of the notice invoking the procedure it is contended that the violation still exists. The hearing will not, however, be scheduled for less than 24 hours after the notice to the district or area council required by Section 3 above. Hearings shall be held at the jobsite or at the office of the New Jersey State Board of Mediation, or as directed by the Arbitrator.

- c. All notices pursuant to this Article may be by telephone, telegraph, hand delivery, or fax, confirmed by overnight delivery, to the arbitrator, Contractor or Union involved. The hearing may be held on any day including Saturdays or Sundays. The hearing shall be completed in one session, which shall not exceed 8 hours duration (no more than 4 hours being allowed to either side to present their case, and conduct their cross examination) unless otherwise agreed. A failure of any Union or Contractor to attend the hearing shall not delay the hearing of evidence by those present or the issuance of an award by the Arbitrator.
- d. The sole issue at the hearing shall be whether a violation of Section 1, above, occurred. If a violation is found to have occurred, the Arbitrator shall issue a Cease and Desist Award restraining such violation and serve copies on the Contractor and Union involved. The Arbitrator shall have no authority to consider any matter in justification, explanation or mitigation of such violation or to award damages, which issue is reserved solely for court proceedings, if any. The Award shall be issued in writing within 3 hours after the close of the hearing and may be issued without an Opinion. If any involved party desires an Opinion, one shall be issued within 15 calendar days, but its issuance shall not delay compliance with, or enforcement of, the Award.
- e. An Award issued under this procedure may be enforced by any court of competent jurisdiction upon the filing of the Agreement together with the Award. Notice of the filing of such enforcement proceedings shall be given to the Union or Contractor involved. In any court proceeding to obtain a temporary or preliminary order enforcing the arbitrator's Award as issued under this expedited procedure, the involved Union and Contractor waive their right to a hearing and agree that such proceedings may be ex parte, provided notice is given to opposing counsel. Such agreement does not waive any party's right to participate in a hearing for a final court order of enforcement or in any contempt proceeding.
- f. Any rights created by statute or law governing arbitration proceedings which are inconsistent with the procedure set forth in this Article, or which interfere with compliance thereto, are hereby waived by the Contractors and Unions to whom they accrue.
- g. The fees and expenses of the Arbitrator shall be equally divided between the involved Contractor and Union.

## **SECTION 5. ARBITRATION OF DISCHARGES FOR VIOLATION**

Procedures contained in Article 9 shall not be applicable to any alleged violation of this Article, with the single exception that an employee discharged for violation of Section 1, above, may have recourse to the procedures of Article 9 to determine only if the employee did, in fact, violate the provisions of Section 1 of this Article; but not for the purpose of modifying the discipline imposed where a violation is found to have occurred.

## **ARTICLE 8. - LOCAL ADMINISTRATIVE COMMITTEE (LAC)**

### **SECTION 1. MEETINGS**

The Local Administrative Committee (LAC) will meet on a regular basis to 1) Implement and oversee the Agreement procedures and initiatives; 2) monitor the effectiveness of the Agreement; and 3) identify opportunities to improve efficiency and work execution.

Each Contractor, upon Award of a Contract by the Owner's Representative to perform work at the Project and prior to commencing work, shall:

- A. Notify the BTC at (609) 704-8351 of the Contract Award.
- B. Through the BTC, coordinate a pre-job conference meeting with the signatory Unions and the Owner's Representative. The purpose of the meeting will be to discuss in detail the scope of the work to be performed and conduct a jurisdictional "mark-up" meeting.

Labor/Management meetings among the Owner's Representative, the appropriate Contractors and sub-Contractors, the BTC, and signatory Unions will be held on a quarterly basis, or more or less frequently upon the agreement of the parties. All appropriate Contractors, sub-Contractors, and Unions will be expected to be in attendance. The purpose of the meetings shall be to keep all parties fully apprised of the Project's progress, schedule, manpower requirements, safety and labor relations issues, and to generally promote labor-management harmony and cooperation.

### **SECTION 2. COMPOSITION**

The LAC will be co-chaired by the President of the United Building and Construction Trades Council of Central Jersey or his designee, and designated official of the GC. It will be comprised of representatives of the local unions signatory to the project labor agreement (PLA) and representatives of the GC and other contractors on the project.

## **ARTICLE 9 - GRIEVANCE & ARBITRATION PROCEDURE**

### **SECTION 1. PROCEDURE FOR RESOLUTION OF GRIEVANCES**

Any question, dispute or claim arising out of, or involving the interpretation or application of this Agreement (other than jurisdictional disputes or alleged violations of Article 7, Section 1) shall be considered a grievance and shall be resolved pursuant to the

exclusive procedure of the steps described below; provided, in all cases, that the question, dispute or claim arose during the term of this Agreement.

Step 1:

- (a) When any employee covered by this Agreement feels aggrieved by a claimed violation of this Agreement, the employee shall, through the Local Union business representative or job steward give notice of the claimed violation to the work site representative of the involved Contractor. To be timely, such notice of the grievance must be given within 7 calendar days after the act, occurrence, or event giving rise to the grievance, or after the act, occurrence or event became known or should have become known to the Union. The business representative of the Local Union or the job steward and the work site representative of the involved Contractor shall meet and endeavor to adjust the matter within 7 calendar days after timely notice has been given. If they fail to resolve the matter within the prescribed period, the grieving party, may, within 7 calendar days thereafter, pursue Step 2 of the grievance procedure by serving the involved Contractor and the General Contractor with written copies of the grievance setting forth a description of the claimed violation, the date on which the grievance occurred, the provisions of the Agreement alleged to have been violated. Grievances and disputes settled at Step 1 are non-precedential except as to the specific Local Union, employee and Contractor directly involved, unless the settlement is accepted in writing, by the General Contractor, as creating a precedent.
- (b) Should any signatory to this Agreement have a dispute (excepting jurisdictional disputes or alleged violations of Article 7, Section 1) with any other signatory to this Agreement and, if after conferring, a settlement is not reached within 7 calendar days, the dispute shall be reduced to writing and proceed to Step 2 in the same manner as outlined in subparagraph (a) for the adjustment of employee grievances.

Step 2:

The Business Manager or designee of the involved Local Union, together with representatives of the BTC, the involved Contractor, and the General Contractor shall meet in Step 2 within 5 calendar days of the written grievance to arrive at a satisfactory settlement.

Step 3:

- (a) If the grievance shall have been submitted but not resolved in Step 2, any of the participating Step 2 entities may, within 14 calendar days after the initial Step 2 meeting, submit the grievance in writing (copies to other participants) to the next available arbitrator of the panel of arbitrators consisting of J.J. Pierson Jr., Esq., Louis Verrone and Wellington Davis, who shall serve as arbitrator under this expedited procedure. The Labor Arbitration Rules of the American Arbitration Association shall govern the conduct of the arbitration hearing, at which all Step 2 participants shall be parties. Hearings shall be held at the jobsite or at the Newark office of the New Jersey State Board of Mediation, as directed by the Arbitrator.

The decision of the Arbitrator shall be final and binding on the involved Contractor, Local Union and employees and the fees and expenses of such arbitration's shall be borne equally by the involved Contractor and Local Union.

- (b) Failure of the grieving party to adhere to the time limits set forth in this Article shall render the grievance null and void. These time limits may be extended only by written consent of the GC, involved Contractor and involved Local Union at the particular step where the extension is agreed upon. The Arbitrator shall have authority to make decisions only on the issues presented to him and shall not have the authority to change, add to, delete or modify any provision of this Agreement.

## **SECTION 2. LIMITATION AS TO RETROACTIVITY**

No arbitration decision or award may provide retroactivity of any kind exceeding 30 calendar days prior to the date of service of the written grievance on the construction Project Manager and the involved Contractor or Local Union.

## **SECTION 3. PARTICIPATION BY GENERAL CONTRACTOR**

The General Contractor shall be notified by the involved Contractor of all actions at Steps 2 and 3 and, at its election, may participate in full in all proceedings at these Steps, including Step 3 arbitration.

## **ARTICLE 10 - JURISDICTIONAL DISPUTES**

### **SECTION 1. NO DISRUPTIONS**

There will be no strikes, sympathy strikes, work stoppages, slowdowns, picketing or other disruptive activity of any kind arising out of any jurisdictional dispute. Pending the resolution of the dispute, the work shall continue uninterrupted and as assigned by the Contractor. No jurisdictional dispute shall excuse a violation of Article 7.



## SECTION 2. ASSIGNMENT

- A. There shall be a mandatory pre-job markup / assignment meeting prior to the commencement of any work. Attending such meeting shall be designated representatives of the Union signatories to this Agreement, the GC, and the involved Contractors. Best efforts will be made to schedule the pre-job meeting in a timely manner after Notice to Proceed is issued but not later than 30 days prior to the start of the Project.
- B. All Project construction work assignments shall be made by the Contractor according to criteria set forth in Section 3, Subsection D 1-3.
- C. When a Contractor has made an assignment of work, he shall continue the assignment without alteration unless otherwise directed by an arbitrator or there is agreement between the National or International Unions involved. Claims of a change of original assignment shall be processed in accordance with Article I of the Procedural Rules of the Plan for the Settlement of Jurisdictional Disputes in the Construction Industry ("the Plan").
- D. In the event that a Union involved in the change of original assignment dispute is an affiliate of a National or International Union that is not affiliated with the Building and Construction Trades Department and does not wish to process a case through the Plan, the parties shall mutually select one of the following Arbitrators: Arbitrator J.J. Pierson, Arbitrator Paul Greenberg or Arbitrator Richard K. Hanft and submit the dispute directly to the Arbitrator. The selected Arbitrator shall determine whether the case requires a hearing or may be decided upon written submissions. In rendering his determination on whether there has been a change of original assignment, the Arbitrator shall be governed by the following:
  - 1. The contractor who has the responsibility for the performance and installation shall make a specific assignment of the work which is included in his contract to a particular union(s). For instance, if contractor A subcontracts certain work to contractor B, then contractor B shall have the responsibility for making the specific assignments for the work included in his contract. If contractor B, in turn, shall subcontract certain work to contractor C, then contractor C shall have the responsibility for making the specific assignment for the work included in his contract. After work has been so assigned, such assignment will be maintained even though the assigning contractor is replaced and such work is subcontracted to another contractor. It is a violation of the Agreement for the contractor to hold up disputed work or shut down a project because of a jurisdictional dispute.

2. When a contractor has made an assignment of work, he shall continue the assignment without alteration unless otherwise directed by an arbitrator or there is agreement between the National or International Unions involved.
- a. Unloading and/or handling of materials to stockpile or storage by a trade for the convenience of the responsible contractor when his employees are not on the job site, or in an emergency situation, shall not be considered to be an original assignment to that trade.
- b. Starting of work by a trade without a specific assignment by an authorized representative of the responsible contractor shall not be considered an original assignment to that trade, provided that the responsible contractor, or his authorized representative, promptly, and, in any event, within eight working hours following the start of work, takes positive steps to stop further unauthorized performance of the work by that trade.

### **SECTION 3. PROCEDURE FOR SETTLEMENT OF DISPUTES**

- A. Any Union having a jurisdictional dispute with respect to Project work assigned to another Union will submit through its International the dispute in writing to the Administrator of the Plan within 72 hours and send a copy of the letter to the other Union involved, the Contractor involved, the General Contractor, the BTC, and the district or area councils of the unions involved. Upon receipt of a dispute letter from any Union, the Administrator will invoke the procedures set forth in the Plan to resolve the jurisdictional dispute. The jurisdictional dispute letter shall contain the information described in Article IV of the Procedural Rules of the Plan.
- B. Within 5 calendar days of receipt of the dispute letter, there shall be a meeting of the General Contractor, the Contractor involved, the Local Unions involved and designees of the BTC and the district or area councils of the Local Unions involved for the purpose of resolving the jurisdictional dispute.
- C. In order to expedite the resolution of jurisdictional disputes, the parties have agreed in advance to mutually select one of the following designated Arbitrators: Arbitrator J.J. Pierson, Arbitrator Paul Greenberg or Arbitrator Richard K. Hanft to hear all unresolved jurisdictional disputes arising under this Agreement. All other rules and procedures of the Plan shall be followed. If none of the three Arbitrators is available to hear the dispute within the time limits of the Plan, the Plan's arbitrator selection process shall be utilized to select another arbitrator.
- D. In the event that a Union involved in the dispute is an affiliate of a National or International Union that is not affiliated with the Building and Construction Trades Department and does not wish to process a case through the Plan as described in paragraphs A-C above, the parties to the dispute shall mutually

select one of the following Arbitrators: Arbitrator J. J. Pierson, Arbitrator Paul Greenberg or Arbitrator Richard K. Hanft to hear the dispute and shall submit the dispute directly to the selected arbitrator. The time limits for submission and processing disputes shall be the same as provided elsewhere in this Section. The selected Arbitrator shall schedule the hearing within seven business days from the date of submission. If he cannot hear the case within the required timeframe, one of the other Arbitrators will be selected to hear the case unless all parties to the dispute agree to waive the seven day time limit. In rendering his decision, the Arbitrator shall determine:

1. First whether a previous agreement of record or applicable agreement, including a disclaimer agreement, between the National and International Unions to the dispute governs;
2. Only if the Arbitrator finds that the dispute is not covered by an appropriate or applicable agreement of record or agreement between the crafts to the dispute, he shall then consider the established trade practice in the industry and prevailing practice in the locality where there is a previous decision of record governing the case, the Arbitrator shall give equal weight to such decision of record, unless the prevailing practice in the locality in the past ten years favors one craft. In that case, the Arbitrator shall base his decision on the prevailing practice in the locality. Except, that if the Arbitrator finds that a craft has improperly obtained the prevailing practice in the locality through raiding, the undercutting of wages or by the use of vertical agreements, the Arbitrator shall rely on the decision of record and established trade practice in the industry rather than the prevailing practice in the locality.
3. Only if none of the above criteria is found to exist, the Arbitrator shall then consider that because efficiency, cost or continuity and good management are essential to the wellbeing of the industry, the interests of the consumer or the past practices of the employer shall not be ignored.

The Arbitrator shall set forth the basis for his decision and shall explain his findings regarding the applicability of the above criteria. If lower-ranked criteria are relied upon, the Arbitrator shall explain why the higher-ranked criteria were not deemed applicable. The Arbitrator's decision shall only apply to the job in dispute.

Each party to the arbitration shall bear its own expense for the arbitration and agrees that the fees and expenses of the Arbitrator shall be borne by the losing party or parties as determined by the Arbitrator.

- E. The Arbitrator shall render a short-form decision within 5 days of the hearing based upon the evidence submitted at the hearing, with a written decision to follow within 30 days of the close of hearing.

- F. This Jurisdictional Dispute Resolution Procedure will only apply to work performed by Local Unions that represent workers employed on the Project.
- G. Any Local Union involved in a jurisdictional dispute on this Project shall continue working in accordance with Section 2 above and without disruption of any kind.

#### **SECTION 4. AWARD**

Any award rendered pursuant to this Article and the Plan shall be final and binding on the disputing Local Unions and the involved Constructor on this Project only and may be enforced in accordance with the provisions of Article VII of the Plan. Any award rendered pursuant to the alternate procedures of this Article shall be final and binding on the disputing Local Unions and the involved Contractor on this Project only, and may be enforced in any court of competent jurisdiction. Such award or resolution shall not establish a precedent on any other construction work not covered by this Agreement. In all disputes under this Article, the General Contractor and the involved Contractors shall be considered parties in interest.

#### **SECTION 5. LIMITATIONS**

The Arbitrator shall have no authority to assign work to a double crew, that is, to more employees than the minimum required by the Contractor to perform the work involved; nor to assign work to employees who are not qualified to perform the work involved; nor to assign work being performed by non-union employees to union employees. This does not prohibit the establishment, with the agreement of the involved Contractor, of composite crews where more than 1 employee is needed for the job. The aforesaid determinations shall decide only to whom the disputed work belongs.

#### **SECTION 6. NO INTERFERENCE WITH WORK**

- A. There shall be no interference or interruption of any kind with the work of the Project while any jurisdictional dispute is being resolved. The work shall proceed as assigned by the Contractor until finally resolved under the applicable procedure of this Article. The award shall be confirmed in writing to the involved parties. There shall be no strike, work stoppage or interruption in protest of any such award. Any claims of a violation of this section shall be submitted and processed in accordance with the impediment to job progress provisions of the Plan.
- B. In the event a Union alleged to have engaged in an impediment to job progress is an affiliate of a National or International Union that is not affiliated with the Building and Construction Trades Department and does not wish to have the impediment to job progress charge processed through the Plan, the parties to the dispute shall mutually select one of the three Arbitrators designated in this Article

to hear the dispute. The selected Arbitrator shall schedule the hearing within two business days from the date of submission. If he cannot hear the case within the required timeframe, one of the other Arbitrators shall be selected by the parties to hear the case unless all parties to the dispute agree to waive the two day time limit. The sole issue at the hearing shall be whether or not a violation of this Section has in fact occurred, and the Arbitrator shall have no authority to consider any matter in justification, explanation or mitigation of such violation or to award damages. The Arbitrator's decision shall be issued in writing within 3 hours after the close of the hearing and may be issued without an opinion. If any party desires an opinion, one shall be issued within 15 days, but its issuance shall not delay compliance with, or enforcement of, the decision. The Arbitrator may order cessation of the violation of this Section and other appropriate relief, and such decision shall be served on all parties by facsimile upon issuance. Each party to the arbitration shall bear its own expense for the arbitration and agrees that the fees and expenses of the Arbitrator shall be borne by the losing party or parties as determined by the Arbitrator.

## **ARTICLE 11 - WAGES AND BENEFITS**

### **SECTION 1. CLASSIFICATION AND BASE HOURLY RATE**

All employees covered by this Agreement shall be classified in accordance with the work performed and paid the base hourly wage rates for those classifications as specified in the attached Schedules A, as amended during this Agreement. Recognizing, however, that special conditions may exist or occur on the Project, the parties, by mutual agreement may establish rates and/or hours for one or more classifications, which may differ from Schedules A. Parties to such agreements shall be the General Contractor, the Contractor involved, the involved Local Unions and the BTC.

### **SECTION 2. EMPLOYEE BENEFIT FUNDS**

A. The Contractors agree to pay contributions on behalf of all employees covered by this Agreement to the established employee benefit funds in the amounts designated in the appropriate Schedule A. Bona fide jointly trusted fringe benefit plans established or negotiated through collective bargaining during the life of this Agreement may be added. However, if a defined benefit pension fund covered by the terms and conditions of this Agreement has not adopted the building and construction industry exemption authorized by subsection (b) of Section 4203 of the Employee Retirement Income Security Act of 1974, the Contractor shall not be obligated to hire employees covered by that fund.

Any Contractor who is already participating in and contributing to the Teamsters Local Pension Plan, separately from this Project Labor Agreement, shall pay contributions as provided for in Article 11, Section 2, paragraph 1, of this Project Labor Agreement.

B. The Contractor agrees to be bound by the written terms of the legally

established Trust Agreements specifying the detailed basis on which payments are to be paid into, and benefits paid out of, such Trust Funds but only with regard to work done on this Project and only for those employees to whom this Agreement requires such benefit Payments.

C. Should any contractor or sub-contractor become delinquent in the payment of contributions to the fringe benefit funds, then the subcontractor at the next higher tier, or upon notice of the delinquency claim from the Union or the Funds, agrees to withhold from the

subcontractor such disputed amount from the next advance, or installment payment for work performed and the amount claimed and owed will be paid within thirty (30) days after receipt of the notification by the General Contractor, if not paid prior to said date by the delinquent contractor/subcontractor.

## **ARTICLE 12 - HOURS OF WORK, PREMIUM PAYMENTS, SHIFTS AND HOLIDAYS**

### **SECTION 1. WORK WEEK AND WORK DAY**

A. The standard work week shall consist of 40 hours of work at straight time rates per one of the following schedules:

1) Five-Day Work Week: Monday-Friday, 5 days, 8 hours plus 1/2 hour unpaid lunch period each day.

2) Four-Day Work Week: Monday-Thursday; 4 days, 10 hours plus 1/2 hour unpaid lunch period each day.

B. The Day Shift shall commence between the hours of 6:00 a.m. and 9:00 a.m. and shall end between the hours of 2:30 p.m. and 5:30 p.m. Starting and quitting times shall occur at the employees' place of work as may be designated by the Contractor in accordance with area practice. The Contractor is not required to schedule a Day shift.

C. Second/Shift - The second shift (starting between 2 p.m. and 8 p.m.) shall consist of 8 hours work for an equal number of hours pay at the straight time rate plus 15% in lieu of overtime and exclusive of a 1/2 hour unpaid lunch period.

D. Scheduling - The Contractor, with the approval of the Owner or Owner's authorized Representative, shall have the option of scheduling either a five-day work week, or four-day work week, when mutually agreed upon, on a craft-by-craft basis. The Contractor, with the approval of the Owner/Owner's Representative, also has the option to set the workday hours consistent with Project requirements, the Project schedule, and minimization of interference with Owner's operations and traffic flow. When conditions beyond the control of the Contractor, as contemplated in and limited by the

Owner's contract documents, occur, the Contractor may, with the approval of the Owner/Owner's Representative, and with mutual agreement of the Local Union on a craft-by-craft basis, which agreement shall not be unreasonably withheld, schedule Friday (where on Four Tens) or Saturday (where on Five Eights) during the calendar week in which a workday was lost, at straight time pay; provided the employees involved work a total of 40 hours or less during that work week, and also in accordance with each crafts' Exhibit "A".

E. Notice - Contractors shall provide not less than 5 days prior notice to the Local Union involved as to the work week and work hours schedules to be worked or such lesser notice as may be mutually agreed upon.

## **SECTION 2. OVERTIME**

Overtime pay for hours outside of the standard work week and work day, described in paragraph A above, shall be paid in accordance with the applicable Schedule A. There will be no restriction upon the Contractor's scheduling of overtime or the non-discriminatory designation of employees who shall be worked, except as noted in Article 5, Section 2. There shall be no pyramiding of overtime pay under any circumstances. The Contractor shall have the right to schedule work so as to minimize overtime.

## **SECTION 3. SHIFTS**

A. Flexible Schedules - Scheduling of shift work shall remain flexible in order to meet Project schedules and existing Project conditions including the minimization of interference with traffic. It is not necessary to work a day shift in order to schedule a second shift. Shifts must be worked a minimum of five consecutive workdays, must have prior approval of the Owner and GC and must be scheduled with not less than five work days' notice to the Local Union.

B. Flexible Starting Times – Shift starting times will be adjusted by the Contractor as necessary to fulfill Project requirements subject to the notice requirements of Paragraph A.

C. It is agreed that when project circumstances require a deviation from the above shifts, the involved unions, contractors and the General Contractor shall adjust the starting times of the above shifts or establish shifts which meet the project requirements. It is agreed that neither party will unreasonably withhold their agreement.

## **SECTION 4. HOLIDAYS**

A. Schedule - There shall be 8 recognized holidays on the Project:

New Years Day

Labor Day

President's Day

Veterans Day

Memorial Day

Thanksgiving Day

Fourth of July

Christmas Day

\* Presidential Election Day shall be observed as a holiday in a general election year. Work shall be scheduled on Columbus Day and Good Friday pursuant to the craft's Schedule A. The Friday after Thanksgiving shall be observed as a holiday for the Elevator Constructors only.

All said holidays shall be observed on the dates designated by New Jersey State Law. In the absence of such designations, they shall be observed on the calendar date except those holidays which occur on Sunday shall be observed on the following Monday. Holidays falling on Saturday are to be observed on the preceding Friday. No work shall be done on Labor Day except that of an emergency nature.

B. Payment - Regular holiday pay, if any, and/or premium pay for work performed on such a recognized holiday shall be in accordance with the applicable Schedule A.

C. Exclusivity - No holidays other than those listed in Section 4-A above shall be recognized nor observed.

## **SECTION 5. REPORTING PAY**

- A. Employees who report to the work location pursuant to regular schedule and who are not provided with work or whose work is terminated early by a Contractor, for whatever reason, shall receive minimum reporting pay in accordance with the applicable Schedule A.
- B. When an employee, who has completed their scheduled shift and left the Project site, is "called back" to perform special work of a casual, incidental or irregular nature, the employee shall receive pay for actual hours worked with a minimum guarantee, as may be required by the applicable Schedule A.
- C. When an employee leaves the job or work location of their own volition or is discharged for cause or is not working as a result of the Contractor's invocation of Section 7 below, they shall be paid only for the actual time worked.
- D. Except as specifically set forth in this Article or except where specifically provided in an applicable Schedule A, there shall be no premiums, bonuses, hazardous duty, high time or other special payments of any kind.



- E. There shall be no pay for time not actually worked except as specifically set forth in this Agreement or except where specifically provided in an applicable Schedule A.

## **SECTION 6. PAYMENT OF WAGES**

A. Payday - Payment shall be made by check, drawn on a New Jersey bank with branches located within commuting distance of the job site. Paychecks shall be issued by the Contractor at the job site by 10 a.m. on Thursdays. In the event that the following Friday is a bank holiday, paychecks shall be issued on Wednesday of that week. Not more than 3 days wages shall be held back in any pay period. Paycheck stubs shall contain the name and business address of the Contractor, together with an itemization of deductions from gross wages.

B. Termination-Employees who are laid-off or discharged for cause shall be paid in full for that which is due them at the time of termination. The Contractors shall also provide the employee with a written statement setting forth the date of lay off or discharge.

## **SECTION 7. EMERGENCY WORK SUSPENSION**

A Contractor or GC may, if considered necessary for the protection of life and /or safety of employees or others, suspend all or a portion of Project Work. In such instances, employees will be paid for actual time worked; provided, however, that when a Contractor request that employees remain at the job site available for work, employees will be paid for "stand-by" time at their hourly rate of pay.

## **SECTION 8. INJURY/DISABILITY**

An employee who, after commencing work, suffers a work-related injury or disability while performing work duties, shall receive no less than 8 hours wages for that day. Further, the employee shall be rehired at such time as able to return to duties provided there is still work available on the Project for which the employee is qualified and able to perform.

## **SECTION 9. TIME KEEPING**

A Contractor may utilize brassing or other systems to check employees in and out. Each employee must check in and out. The Contractor will provide adequate facilities for checking in and out in an expeditious manner.

## **SECTION 10. MEAL PERIOD**

A Contractor shall schedule an unpaid period of not more than 1/2 hour duration at the work location between the 3<sup>rd</sup> and 5<sup>th</sup> hour of the scheduled shift. A Contractor may, for efficiency of operation, establish a schedule which coordinates the meal periods of two

or more crafts. If an employee is required to work through the meal period, the employee shall be compensated in a manner established in the applicable Schedule A.

## **SECTION 11. BREAK PERIODS**

There will be no rest periods, organized coffee breaks or other non-working time established during working hours. Individual coffee containers will be permitted at the employee's work location. Local area practice will prevail for coffee breaks that are not organized.

## **ARTICLE 13 - APPRENTICES**

### **SECTION 1. RATIOS**

Recognizing the need to maintain continuing supportive programs designed to develop adequate numbers of competent workers in the construction industry and to provide craft entry opportunities for minorities, women and economically disadvantaged non-minority males, Contractors will employ apprentices in their respective crafts to perform such work as is within their capabilities and which is customarily performed by the craft in which they are indentured. Contractors may utilize apprentices and such other appropriate classifications as are contained in the applicable Schedule A in a ratio not to exceed the ratio provided in the applicable Schedule A providing prevailing wage and fringe benefits as defined in N.J.S.A. 34:11-56.26(9) for the classification in Burlington County, New Jersey. Apprentices and such other classifications as are appropriate shall be employed in a manner consistent with the provisions of the appropriate collective bargaining agreement listed in Schedule A.

### **SECTION 2. DEPARTMENT OF LABOR**

To assist the Contractors in attaining a maximum effort on this Project, the Unions agree to work in close cooperation with, and accept monitoring by, the New Jersey State and Federal Departments of Labor to ensure that minorities, women, or economically disadvantaged are afforded opportunities to participate in apprenticeship programs which result in the placement of apprentices on this Project. To further ensure that this Contractor effort is attained, up to 50% of the apprentices placed on this Project should be first year, minority, women or economically disadvantaged apprentices. The Local Unions will cooperate with Contractor request for minority, women or economically disadvantaged referrals to meet this Contractor effort.

### **SECTION 3. HELMETS TO HARDHATS**

The Employers and the Unions recognize a desire to facilitate the entry into the building and construction trades of veterans who are interested in careers in the building and construction industry. The Employers and Unions agree to utilize the services of the Center for Military recruitment, Assessment and Veterans Employment (hereinafter "Center") and the Center's "Helmets to Hardhats" program to serve as a resource for

preliminary orientation, assessment of construction aptitude, referral to apprenticeship programs or hiring halls, counseling and mentoring, support network, employment opportunities and other needs as identified by the parties.

The Unions and Employers agree to coordinate with the Center to create and maintain an integrated database of veterans interested in working on the Project and of apprenticeship and employment opportunities for the Project. To the extent permitted by law, the Unions will give credit to such veterans for bona fide, provable past experience.

## **ARTICLE 14 - SAFETY PROTECTION OF PERSON AND PROPERTY**

### **SECTION 1. SAFETY REQUIREMENTS**

Each Contractor will ensure that applicable OSHA requirements and other requirements set forth in the contract documents are at all times maintained on the Project and the employees and Unions agree to cooperate fully with these efforts. Employees must perform their work at all times in a safe manner and protect themselves and the property of the Contractor and the Owner from injury or harm. Failure to do so will be grounds for discipline, including discharge.

### **SECTION 2. CONTRACTOR RULES**

Employees covered by this Agreement shall at all times be bound by the reasonable safety, security, and visitor rules as established by the Contractors and the GC for this Project. Such rules will be published and posted in conspicuous places throughout the Project.

### **SECTION 3. INSPECTIONS**

The Contractors and GC retain the right to inspect incoming shipments of equipment, apparatus, machinery and construction materials of every kind.

## **ARTICLE 15 - NO DISCRIMINATION**

### **SECTION 1. COOPERATIVE EFFORTS**

The Contractors and Unions agree that they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or age in any manner prohibited by law or regulation. It is recognized that special procedures maybe established by Contractors and Local Unions and the New Jersey State Department of Labor for the training and employment of persons who have not previously qualified to be employed on construction projects of the type covered by this Agreement. The parties to this Agreement will assist in such programs and agree to use their best efforts to ensure that the goals for female and minority employment are met on this Project.

## **SECTION 2. LANGUAGE OF AGREEMENT**

The use of the masculine or feminine gender in this Agreement shall be construed as including both genders.

## **ARTICLE 16 - GENERAL TERMS**

### **SECTION 1. PROJECT RULES**

The GC and the Contractors shall establish such reasonable Project rules as are appropriate for the good order of the Project, provided they do not violate the terms of this agreement. These rules will be explained at the pre-job conference and posted at the Project site and may be amended thereafter as necessary. Failure of an employee to observe these rules and regulations shall be grounds for discipline, including discharge. The fact that no order was posted prohibiting a certain type of misconduct shall not be a defense to an employee disciplined or discharged for such misconduct when the action taken is for cause.

### **SECTION 2. TOOLS OF THE TRADES**

The welding/cutting torch and chain fall, are tools of the trade having jurisdiction over the work performed. Employees using these tools shall perform any of the work of the trade. There shall be no restrictions on the emergency use of any tools or equipment by any qualified employee or on the use of any tools or equipment for the performance of work within the employee's jurisdiction.

### **SECTION 3. SUPERVISION**

Employees shall work under the supervision of the craft foreperson or general foreperson.

### **SECTION 4. TRAVEL ALLOWANCES**

There shall be no payments for travel expenses, travel time, subsistence allowance or other such reimbursements or special pay except as expressly set forth in this Agreement and in Schedule A.

### **SECTION 5. FULL WORK DAY**

Employees shall be at their staging area at the starting time established by the Contractor and shall be returned to their staging area by quitting time after performing their assigned functions under the supervision of the Contractor. The signatories reaffirm their policy of a fair day's work for a fair day's wage.

### **SECTION 6. COOPERATION**

The General Contractor and the Unions will cooperate in seeking any NJ State Department of Labor approvals that may be required for implementation of any terms of this Agreement.

## **ARTICLE 17 - SAVINGS AND SEPARABILITY**

### **SECTION 1. THIS AGREEMENT**

In the event that the application of any provision of this Agreement is enjoined, on either an interlocutory or permanent basis, or otherwise found in violation of law, the provision involved shall be rendered, temporarily or permanently, null and void but the remainder of the Agreement shall remain in full force and effect. In such event, the Agreement shall remain in effect for contracts already bid and awarded or in construction where the Contractor voluntarily accepts the Agreement. The parties to this Agreement will enter into negotiations for a substitute provision in conformity with the law and the intent of the parties for contracts to be let in the future.

### **SECTION 2. THE BID SPECIFICATIONS**

In the event that the General Contractor's bid specifications, or other action, requiring that a successful bidder become signatory to this Agreement is enjoined, on either an interlocutory or permanent basis, or otherwise found in violation of law such requirement shall be rendered, temporarily or permanently, null and void but the Agreement shall remain in full force and effect to the extent allowed by law. In such event, the Agreement shall remain in effect for contracts already bid and awarded or in constructions where the Contractor voluntarily accepts the Agreement. The parties will enter into negotiations as to modifications to the Agreement to reflect the court action taken and the intent of the parties for contracts to be let in the future.

### **SECTION 3. NON-LIABILITY**

In the event of an occurrence referenced in Section 1 or Section 2 of this Article, neither the Owner, the Architect, the Construction Manager, the GC, or any Contractor, or any signatory Union shall be liable, directly or indirectly, for any action taken, or not taken, to comply with any court order, injunction or determination. Project bid specifications will be issued in conformance with court orders in effect and no retroactive payments or other action will be required if the original court determination is ultimately reversed.

### **SECTION 4. NON-WAIVER**

Nothing in this Article shall be construed as waiving the prohibitions of Article 7 as to signatory Contractors and signatory Unions.

## **ARTICLE 18 - FUTURE CHANGES IN SCHEDULE A AREA CONTRACTS**

### **SECTION 1. CHANGES TO AREA CONTRACTS**

A. Schedules A to this Agreement shall continue to full force and effect until the Contractor and/or Union parties to the Area Collective Bargaining Agreements which are the basis for Schedules A notify the General Contractor in writing of the mutually agreed upon changes in provisions of such agreements which are applicable to the Project, and their effective dates.

B. It is agreed that any provisions negotiated into Schedules A collective bargaining agreements will not apply to work on this Project if such provisions are less favorable to this Project than those uniformly required of contractors for construction work normally covered by those agreements; nor shall any provisions be recognized or applied on this Project if it may be construed to apply exclusively, or predominantly, to work covered by this Project Agreement.

C. Any disagreement between signatories to this Agreement over the incorporation into Schedules "A" of provisions agreed upon in the renegotiations of Area Collective Bargaining Agreements shall be resolved in accordance with the procedure set forth in Article 9 of this Agreement.

## **SECTION 2. LABOR DISPUTES DURING AREA CONTRACT NEGOTIATIONS**

The Unions agree that there will be no strikes, work stoppages, sympathy actions, picketing, slowdowns or other disruptive activity or other violations of Article 7 affecting the Project by any Local Union involved in the renegotiations of Area Local Collective Bargaining Agreements nor shall there be any lock-out on the Project affective a Local Union during the course of such renegotiations.

**IN WITNESS WHEREOF** the parties have caused this Agreement to be executed and effective as of the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

**Burlington County Bridge Commission**

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**Joseph Andl, Executive Director**

**United Building Trades Council of Southern New Jersey**

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**Dan Cosner, President**

## **SCHEDULE A**

**A COPY OF EACH UNION'S CURRENT COLLECTIVE BARGAINING AGREEMENT IS INCLUDED AS PART OF SCHEDULE A BY REFERENCE, UPON EXECUTION BY THE SIGNATORY LOCAL.**



## **PROJECT LABOR AGREEMENT**

### **COVERING**

### **BURLINGTON COUNTY BRIDGE COMMISSION RIVERSIDE-DELANCO BRIDGE REHABILITATION PROJECT**

**BCBC Contract No. 202505**

### **LETTER OF ASSENT**

Re: Project Labor Agreement

United Building Trades Council of Southern New Jersey and

Burlington County Bridge Commission (the "Agreement")

The undersigned, as a General Contractor, Contractor(s) or Subcontractor(s) on a Contract which is part of large project construction for the **BURLINGTON COUNTY BRIDGE COMMISSION RIVERSIDE-DELANCO BRIDGE REHABILITATION PROJECT**, BCBC Contract No. 202505, for and in consideration of the award of a Contract to perform work on said Project, and in further consideration of the mutual promises made in the Project Labor Agreement, a copy of which was received and is acknowledged, hereby:

(1) On behalf of itself and all its employees, accepts and agrees to be bound by the terms and conditions of the Project Labor Agreement, together with any and all amendments and supplements now existing or which are later made thereto, and understands that any act of non-compliance with all such terms and conditions will subject the non-complying Contractor or employee(s) to being prohibited from the Project Site until full compliance is obtained.

(2) Certifies that it has no commitments or agreements that would preclude its full compliance with the terms and conditions of said Projects Labor Agreement.

(3) Agrees to secure from any Contractor(s) (as defined in said Project Labor Agreement) which is or becomes a Subcontractor(s) (of any tier), a duly executed Letter of Assent in form identical to this document prior to commencement of any work.

\_\_\_\_\_

Date: \_\_\_\_\_

Company Name

By: \_\_\_\_\_  
Number \_\_\_\_\_

Contract

Title: \_\_\_\_\_  
Contractor \_\_\_\_\_

General

cc: (Unions employed by Contractor)

**END OF PROJECT LABOR AGREEMENT**



Maintenance Management System  
Burlington County Bridge Commission

Bridge Opening Report Within 9/1/2024 and 8/31/2025

| Date                            | Start Time | End Time | Total Time | Ship Name | Reason    | Operator | In Training | Backup | Backup #2 | Direction                 | Scheduled |
|---------------------------------|------------|----------|------------|-----------|-----------|----------|-------------|--------|-----------|---------------------------|-----------|
| <b>Riverside-Delanco Bridge</b> |            |          |            |           |           |          |             |        |           |                           |           |
| 9/1/2024                        | 12:56 PM   | 1:01 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/1/2024                        | 1:15 PM    | 1:20 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/1/2024                        | 1:43 PM    | 1:48 PM  | 0:05       |           | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/1/2024                        | 2:09 PM    | 2:14 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/1/2024                        | 3:35 PM    | 3:40 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/1/2024                        | 3:48 PM    | 3:53 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/1/2024                        | 3:56 PM    | 4:01 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/1/2024                        | 5:04 PM    | 5:09 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/2/2024                        | 2:38 PM    | 2:43 PM  | 0:05       |           | 3 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream , 1 Upstream | No        |
| 9/2/2024                        | 2:50 PM    | 2:55 PM  | 0:05       |           | 4 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 3 Upstream | No        |
| 9/2/2024                        | 3:04 PM    | 3:09 PM  | 0:05       |           | 2 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 1 Upstream | No        |
| 9/2/2024                        | 3:25 PM    | 3:30 PM  | 0:05       |           | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Upstream                | No        |
| 9/2/2024                        | 3:46 PM    | 3:51 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/2/2024                        | 3:54 PM    | 3:59 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/2/2024                        | 4:02 PM    | 4:07 PM  | 0:05       |           | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/2/2024                        | 4:16 PM    | 4:21 PM  | 0:05       |           | 2 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 1 Upstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date     | Start Time | End Time | Total Time | Ship Name             | Reason    | Operator | In Training | Backup | Backup #2 | Direction                 | Scheduled |
|----------|------------|----------|------------|-----------------------|-----------|----------|-------------|--------|-----------|---------------------------|-----------|
| 9/2/2024 | 4:28 PM    | 4:33 PM  | 0:05       |                       | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/2/2024 | 4:45 PM    | 4:51 PM  | 0:06       | Mikaila's Navy        | 4 Vessels | HUGHES   | No          | N/A    |           | 4 Downstream              | No        |
| 9/2/2024 | 5:44 PM    | 5:50 PM  | 0:06       | Personal Foul         | 6 Vessels | HUGHES   | No          | N/A    |           | 4 Downstream , 2 Upstream | No        |
| 9/5/2024 | 3:34 PM    | 3:38 PM  | 0:04       | Tow Boats U.S.        | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/5/2024 | 4:12 PM    | 4:17 PM  | 0:05       | Tow Boats U.S.+1      | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/6/2024 | 5:57 PM    | 6:02 PM  | 0:05       |                       | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/6/2024 | 6:47 PM    | 6:51 PM  | 0:04       |                       | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/6/2024 | 7:20 PM    | 7:25 PM  | 0:05       |                       | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/6/2024 | 7:45 PM    | 7:50 PM  | 0:05       |                       | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/7/2024 | 3:24 PM    | 3:29 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Downstream                | No        |
| 9/7/2024 | 3:34 PM    | 3:40 PM  | 0:06       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Downstream                | No        |
| 9/7/2024 | 5:01 PM    | 5:06 PM  | 0:05       | 2 Boats, 1 up, 1 down | Vessel    | STEWART  | No          | N/A    |           | UP/DOWN                   | No        |
| 9/7/2024 | 5:28 PM    | 5:33 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Downstream                | No        |
| 9/7/2024 | 5:35 PM    | 5:40 PM  | 0:05       | 2 BOATS BOAT IN TOW   | Vessel    | STEWART  | No          | N/A    |           | Downstream                | No        |
| 9/7/2024 | 6:52 PM    | 6:57 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Upstream                  | No        |
| 9/8/2024 | 2:13 PM    | 2:18 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Upstream                  | No        |
| 9/8/2024 | 2:45 PM    | 2:51 PM  | 0:06       | 2 Boats, 1 up, 1 down | Vessel    | STEWART  | No          | N/A    |           | UP/DOWN                   | No        |
| 9/8/2024 | 4:32 PM    | 4:37 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Upstream                  | No        |
| 9/8/2024 | 4:55 PM    | 5:00 PM  | 0:05       | 1 Boat                | Vessel    | STEWART  | No          | N/A    |           | Upstream                  | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name             | Reason       | Operator  | In Training | Backup    | Backup #2 | Direction    | Scheduled |
|-----------|------------|----------|------------|-----------------------|--------------|-----------|-------------|-----------|-----------|--------------|-----------|
| 9/8/2024  | 5:41 PM    | 5:46 PM  | 0:05       | 1 Boat                | Vessel       | STEWART   | No          | N/A       |           | Downstream   | No        |
| 9/8/2024  | 6:07 PM    | 6:14 PM  | 0:07       | 3 Boats 1 UP 2 DOWN   | Vessel       | STEWART   | No          | N/A       |           | UP/DOWN      | No        |
| 9/11/2024 | 6:14 PM    | 6:20 PM  | 0:06       |                       | Test Opening | ZIMMERMAN | No          | HUGHES    |           |              | No        |
| 9/11/2024 | 6:27 PM    | 6:33 PM  | 0:06       |                       | Test Opening | ZIMMERMAN | No          | HUGHES    |           |              | No        |
| 9/11/2024 | 6:05 PM    | 6:10 PM  | 0:05       |                       | Test Opening | HUGHES    | No          | ZIMMERMAN |           |              | No        |
| 9/12/2024 | 7:20 PM    | 7:25 PM  | 0:05       | 2 BOATS               | Vessel       | STEWART   | No          | N/A       |           | Downstream   | No        |
| 9/14/2024 | 1:39 PM    | 1:44 PM  | 0:05       | 3                     | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/15/2024 | 1:27 PM    | 1:32 PM  | 0:05       | 1 Boat                | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/15/2024 | 1:50 PM    | 1:56 PM  | 0:06       | 4 boats               | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/15/2024 | 1:59 PM    | 2:04 PM  | 0:05       | 2 Boats, 2 down       | Vessel       | DEMOFONTE | No          | N/A       |           | Downstream   | No        |
| 9/15/2024 | 1:18 PM    | 1:24 PM  | 0:06       | 4 boats, 1 up, 3 down | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/15/2024 | 1:18 PM    | 1:24 PM  | 0:06       | 4 boats, 1 up, 3 down | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/15/2024 | 3:34 PM    | 3:39 PM  | 0:05       | 2 Boats, 1 up, 1 down | Vessel       | DEMOFONTE | No          | N/A       |           | Downstream   | No        |
| 9/15/2024 | 3:54 PM    | 3:59 PM  | 0:05       | 5 boats               | Vessel       | DEMOFONTE | No          | N/A       |           | Upstream     | No        |
| 9/19/2024 | 4:16 PM    | 4:21 PM  | 0:05       |                       | 2 Vessels    | HUGHES    | No          | N/A       |           | 2 Downstream | No        |
| 9/20/2024 | 5:20 PM    | 5:25 PM  | 0:05       |                       | 1 Vessel     | HUGHES    | No          | N/A       |           | Downstream   | No        |
| 9/20/2024 | 5:38 PM    | 5:42 PM  | 0:04       |                       | 1 Vessel     | HUGHES    | No          | N/A       |           | Upstream     | No        |
| 9/21/2024 | 3:36 PM    | 3:41 PM  | 0:05       |                       | 1 Vessel     | HUGHES    | No          | N/A       |           | Downstream   | No        |
| 9/21/2024 | 4:11 PM    | 4:16 PM  | 0:05       |                       | 1 Vessel     | HUGHES    | No          | N/A       |           | Downstream   | No        |



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**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name  | Reason    | Operator | In Training | Backup | Backup #2 | Direction                 | Scheduled |
|-----------|------------|----------|------------|------------|-----------|----------|-------------|--------|-----------|---------------------------|-----------|
| 9/21/2024 | 4:51 PM    | 4:56 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/21/2024 | 5:05 PM    | 5:10 PM  | 0:05       |            | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/21/2024 | 5:29 PM    | 5:33 PM  | 0:04       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/21/2024 | 5:44 PM    | 5:49 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/21/2024 | 5:53 PM    | 5:58 PM  | 0:05       |            | 3 Vessels | HUGHES   | No          | N/A    |           | 3 Downstream              | No        |
| 9/21/2024 | 6:01 PM    | 6:06 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/21/2024 | 6:10 PM    | 6:15 PM  | 0:05       |            | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/21/2024 | 7:20 PM    | 7:25 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/21/2024 | 7:47 PM    | 7:52 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/22/2024 | 3:14 PM    | 3:19 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/22/2024 | 5:18 PM    | 5:23 PM  | 0:05       |            | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/22/2024 | 5:25 PM    | 5:30 PM  | 0:05       | Just Ducky | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 9/22/2024 | 5:52 PM    | 5:57 PM  | 0:05       |            | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Upstream                | No        |
| 9/22/2024 | 6:40 PM    | 6:45 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/22/2024 | 6:47 PM    | 6:51 PM  | 0:04       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 9/22/2024 | 6:54 PM    | 6:59 PM  | 0:05       | Just Ducky | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Downstream              | No        |
| 9/22/2024 | 7:20 PM    | 7:25 PM  | 0:05       |            | 2 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 1 Upstream | No        |
| 9/22/2024 | 7:44 PM    | 7:49 PM  | 0:05       |            | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name             | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|-----------------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 9/23/2024 | 2:07 PM    | 2:10 PM  | 0:03       | GREASE WEDGES         | Test-Maintenance | HUGHES    | No          | N/A    |           |            | No        |
| 9/25/2024 | 7:11 PM    | 7:16 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 9/25/2024 | 7:39 PM    | 7:44 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 9/28/2024 | 1:25 PM    | 1:31 PM  | 0:06       | COAST GUARD AUXILLARY | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 9/28/2024 | 3:27 PM    | 3:32 PM  | 0:05       | COAST GUARD AUXILLARY | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 9/29/2024 | 1:03 PM    | 1:08 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 9/29/2024 | 3:26 PM    | 3:31 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 10/3/2024 | 5:01 PM    | 5:06 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 10/3/2024 | 5:28 PM    | 5:33 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 10/4/2024 | 1:40 PM    | 1:49 PM  | 0:09       | R&V ENGINEER TEST     | Test-Maintenance | MCCARRON  | No          | N/A    |           |            | No        |
| 10/4/2024 | 2:00 PM    | 2:06 PM  | 0:06       | USGC                  | Vessel           | MCCARRON  | No          | N/A    |           | Downstream | No        |
| 10/5/2024 | 4:41 PM    | 4:46 PM  | 0:05       | 2 Boats, 2 down       | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 10/5/2024 | 4:51 PM    | 4:56 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 10/5/2024 | 5:08 PM    | 5:13 PM  | 0:05       | 2 Boats, 1 up, 1 down | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 10/6/2024 | 3:02 PM    | 3:07 PM  | 0:05       | 1 boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 10/6/2024 | 4:24 PM    | 4:29 PM  | 0:05       | 2 boats, 2 up         | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 10/6/2024 | 5:01 PM    | 5:06 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 10/6/2024 | 5:10 PM    | 5:15 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 10/6/2024 | 5:30 PM    | 5:35 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 10/6/2024 | 6:10 PM    | 6:15 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date       | Start Time | End Time | Total Time | Ship Name             | Reason           | Operator  | In Training | Backup             | Backup #2 | Direction  | Scheduled |
|------------|------------|----------|------------|-----------------------|------------------|-----------|-------------|--------------------|-----------|------------|-----------|
| 10/6/2024  | 6:25 PM    | 6:30 PM  | 0:05       | 4 boats, 4 downstream | Vessel           | DEMOFONTE | No          | N/A                |           | Downstream | No        |
| 10/6/2024  | 4:55 PM    | 5:00 PM  | 0:05       | 1 Boat                | Vessel           | DEMOFONTE | No          | ADMINISTR<br>ATION |           | Upstream   | No        |
| 10/13/2024 | 2:39 PM    | 2:44 PM  | 0:05       |                       | 1 Vessel         | HUGHES    | No          | N/A                |           | Upstream   | No        |
| 10/20/2024 | 3:00 PM    | 3:05 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Upstream   | No        |
| 10/20/2024 | 3:59 PM    | 4:04 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Downstream | No        |
| 10/20/2024 | 4:47 PM    | 4:52 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Upstream   | No        |
| 10/20/2024 | 5:55 PM    | 6:00 PM  | 0:05       | ULTIMATE PLEASURE     | Vessel           | STEWART   | No          | N/A                |           | Upstream   | No        |
| 10/20/2024 | 6:06 PM    | 6:11 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Downstream | No        |
| 10/20/2024 | 6:18 PM    | 6:23 PM  | 0:05       | ULTIMATE PLEASURE     | Vessel           | STEWART   | No          | N/A                |           | Downstream | No        |
| 10/21/2024 | 5:01 PM    | 5:06 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Downstream | No        |
| 10/23/2024 | 3:51 PM    | 3:56 PM  | 0:05       |                       | Test Opening     | HUGHES    | No          | ZIMMERMA<br>N      |           |            | No        |
| 10/23/2024 | 4:01 PM    | 4:06 PM  | 0:05       |                       | Test Opening     | ZIMMERMAN | No          | HUGHES             |           |            | No        |
| 10/30/2024 | 5:22 PM    | 5:27 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Upstream   | No        |
| 10/30/2024 | 6:08 PM    | 6:13 PM  | 0:05       | 1 Boat                | Vessel           | STEWART   | No          | N/A                |           | Downstream | No        |
| 3/11/2025  | 9:33 AM    | 9:40 AM  | 0:07       | CONTRACTOR OPENING    | Test-Maintenance | STEWART   | No          | N/A                |           |            | No        |
| 3/11/2025  | 9:47 AM    | 9:54 AM  | 0:07       | CONTRACTOR OPENING    | Test-Maintenance | STEWART   | No          | N/A                |           |            | No        |
| 3/11/2025  | 10:45 AM   | 10:51 AM | 0:06       | CONTRACTOR OPENING    | Test-Maintenance | STEWART   | No          | N/A                |           |            | No        |
| 3/11/2025  | 10:56 AM   | 11:03 AM | 0:07       | CONTRACTOR OPENING    | Test-Maintenance | STEWART   | No          | N/A                |           |            | No        |
| 3/11/2025  | 11:23 AM   | 11:28 AM | 0:05       | CONTRACTOR OPENING    | Test-Maintenance | STEWART   | No          | N/A                |           |            | No        |





Maintenance Management System  
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**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name          | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|--------------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 3/11/2025 | 12:12 PM   | 12:18 PM | 0:06       | CONTRACTOR OPENING | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 3/11/2025 | 1:48 PM    | 1:54 PM  | 0:06       | CONTRACTOR OPENING | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 3/31/2025 | 1:54 PM    | 1:59 PM  | 0:05       |                    | Test-Elect       | DEMOFONTE | No          | N/A    |           |            | No        |
| 3/31/2025 | 2:03 PM    | 2:08 PM  | 0:05       |                    | Test-Elect       | DEMOFONTE | No          | N/A    |           |            | No        |
| 3/31/2025 | 1:47 PM    | 1:52 PM  | 0:05       |                    | Test-Elect       | HUGHES    | No          | N/A    |           |            | No        |
| 3/31/2025 | 1:37 PM    | 1:42 PM  | 0:05       |                    | Test-Elect       | HUGHES    | No          | N/A    |           |            | No        |
| 4/15/2025 | 3:24 PM    | 3:28 PM  | 0:04       |                    | Test-Elect       | DEMOFONTE | No          | N/A    |           |            | No        |
| 4/25/2025 | 6:36 PM    | 6:40 PM  | 0:04       |                    | Test Opening     | HUGHES    | No          | N/A    |           |            | No        |
| 4/28/2025 | 5:36 PM    | 5:41 PM  | 0:05       | PRACTICE OPENING   | Test-Elect       | STEWART   | No          | N/A    |           |            | No        |
| 4/28/2025 | 6:12 PM    | 6:17 PM  | 0:05       | PRACTICE OPENING   | Test-Elect       | STEWART   | No          | N/A    |           |            | No        |
| 4/28/2025 | 5:47 PM    | 5:52 PM  | 0:05       | PRACTICE OPENING   | Test-Elect       | ZIMMERMAN | No          | N/A    |           |            | No        |
| 4/28/2025 | 6:00 PM    | 6:06 PM  | 0:06       | PRACTICE OPENING   | Test-Elect       | ZIMMERMAN | No          | N/A    |           |            | No        |
| 4/30/2025 | 4:57 PM    | 5:02 PM  | 0:05       |                    | 1 Vessel         | HUGHES    | No          | N/A    |           | Upstream   | No        |
| 4/30/2025 | 6:18 PM    | 6:23 PM  | 0:05       |                    | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 5/1/2025  | 5:33 PM    | 5:38 PM  | 0:05       | 2 Boats            | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 5/1/2025  | 7:23 PM    | 7:28 PM  | 0:05       | 2 Boats            | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 5/2/2025  | 3:22 PM    | 3:27 PM  | 0:05       | 1 Boat             | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 5/7/2025  | 3:53 PM    | 3:58 PM  | 0:05       | 1 Boat             | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 5/10/2025 | 12:43 PM   | 12:48 PM | 0:05       | 6 boats            | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 5/10/2025 | 12:55 PM   | 1:01 PM  | 0:06       | 11 Boats           | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name                    | Reason    | Operator  | In Training | Backup | Backup #2 | Direction    | Scheduled |
|-----------|------------|----------|------------|------------------------------|-----------|-----------|-------------|--------|-----------|--------------|-----------|
| 5/10/2025 | 2:38 PM    | 2:43 PM  | 0:05       | 1 Boat                       | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 5/10/2025 | 7:00 AM    | 7:07 AM  | 0:07       | FISHING TOURNAMENT 20+ BOATS | Vessel    | STEWART   | No          | N/A    |           | Upstream     | No        |
| 5/11/2025 | 1:49 PM    | 1:54 PM  | 0:05       | 1 Boat                       | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 5/11/2025 | 2:09 PM    | 2:14 PM  | 0:05       | 4 Boats, 1 up, 3 down        | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 5/11/2025 | 6:27 PM    | 6:32 PM  | 0:05       | 6 boats                      | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 5/12/2025 | 3:05 PM    | 3:12 PM  | 0:07       | 1 boat                       | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 5/12/2025 | 4:59 PM    | 5:04 PM  | 0:05       | 2 Boats                      | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 5/18/2025 | 5:14 PM    | 5:19 PM  | 0:05       | 1 Boat                       | Vessel    | STEWART   | No          | N/A    |           | Upstream     | No        |
| 5/18/2025 | 7:37 PM    | 7:42 PM  | 0:05       | 1 Boat                       | Vessel    | STEWART   | No          | N/A    |           | Upstream     | No        |
| 5/25/2025 | 12:52 PM   | 12:57 PM | 0:05       |                              | 1 Vessel  | HUGHES    | No          | N/A    |           | Upstream     | No        |
| 5/26/2025 | 1:27 PM    | 1:32 PM  | 0:05       |                              | 1 Vessel  | HUGHES    | No          | N/A    |           | Upstream     | No        |
| 5/26/2025 | 1:46 PM    | 1:51 PM  | 0:05       | Tapped Out, E-Sea Rider      | 5 Vessels | HUGHES    | No          | N/A    |           | 5 Upstream   | No        |
| 5/26/2025 | 2:17 PM    | 2:22 PM  | 0:05       |                              | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Upstream   | No        |
| 5/26/2025 | 2:31 PM    | 2:36 PM  | 0:05       |                              | 1 Vessel  | HUGHES    | No          | N/A    |           | Downstream   | No        |
| 5/26/2025 | 2:49 PM    | 2:54 PM  | 0:05       |                              | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Upstream   | No        |
| 5/26/2025 | 2:57 PM    | 3:02 PM  | 0:05       |                              | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Upstream   | No        |
| 5/26/2025 | 3:19 PM    | 3:24 PM  | 0:05       | E-Sea Rider                  | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Downstream | No        |
| 5/26/2025 | 3:26 PM    | 3:31 PM  | 0:05       |                              | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Downstream | No        |
| 5/26/2025 | 3:54 PM    | 3:59 PM  | 0:05       |                              | 3 Vessels | HUGHES    | No          | N/A    |           | 3 Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name               | Reason           | Operator  | In Training | Backup  | Backup #2 | Direction                    | Scheduled |
|-----------|------------|----------|------------|-------------------------|------------------|-----------|-------------|---------|-----------|------------------------------|-----------|
| 5/26/2025 | 4:20 PM    | 4:25 PM  | 0:05       |                         | 2 Vessels        | HUGHES    | No          | N/A     |           | 1 Downstream<br>, 1 Upstream | No        |
| 5/26/2025 | 6:23 PM    | 6:28 PM  | 0:05       | Tapped Out              | 1 Vessel         | HUGHES    | No          | N/A     |           | Downstream                   | No        |
| 5/26/2025 | 6:55 PM    | 7:00 PM  | 0:05       | It's All Good           | 3 Vessels        | HUGHES    | No          | N/A     |           | 3 Downstream                 | No        |
| 5/30/2025 | 1:03 PM    | 1:06 PM  | 0:03       | GREASE WEDGES           | Test-Maintenance | STEWART   | No          | N/A     |           |                              | No        |
| 6/1/2025  | 1:28 PM    | 1:33 PM  | 0:05       | 3 Boats                 | Vessel           | DEMOFONTE | No          | N/A     |           | Upstream                     | No        |
| 6/1/2025  | 6:03 PM    | 6:08 PM  | 0:05       | 2 boats                 | Vessel           | DEMOFONTE | No          | N/A     |           | Downstream                   | No        |
| 6/3/2025  | 5:40 PM    | 5:45 PM  | 0:05       | RECERT TRAINING         | Test-Elect       | FORD      | Yes         | STEWART | ZIMMERMAN |                              | No        |
| 6/3/2025  | 5:50 PM    | 5:55 PM  | 0:05       | RECERT TRAINING         | Test-Elect       | FORD      | Yes         | STEWART | ZIMMERMAN |                              | No        |
| 6/3/2025  | 6:00 PM    | 6:05 PM  | 0:05       | RECERT TRAINING         | Test-Elect       | STEWART   | Yes         | STEWART | ZIMMERMAN |                              | No        |
| 6/6/2025  | 4:55 PM    | 5:01 PM  | 0:06       | Duarte Family           | 3 Vessels        | HUGHES    | No          | N/A     |           | 3 Upstream                   | No        |
| 6/6/2025  | 8:18 PM    | 8:23 PM  | 0:05       | Duarte Family           | 2 Vessels        | HUGHES    | No          | N/A     |           | 2 Downstream                 | No        |
| 6/8/2025  | 4:00 PM    | 4:05 PM  | 0:05       | 1 BOAT                  | Vessel           | STEWART   | No          | N/A     |           | Upstream                     | No        |
| 6/8/2025  | 4:57 PM    | 5:02 PM  | 0:05       | CHARLOTTE LYNN          | Vessel           | STEWART   | No          | N/A     |           | Upstream                     | No        |
| 6/8/2025  | 6:59 PM    | 7:05 PM  | 0:06       | 1 BOAT + CHARLOTTE LYNN | Vessel           | STEWART   | No          | N/A     |           | Downstream                   | No        |
| 6/11/2025 | 5:38 PM    | 5:43 PM  | 0:05       |                         | 1 Vessel         | HUGHES    | No          | N/A     |           | Upstream                     | No        |
| 6/12/2025 | 3:50 PM    | 3:55 PM  | 0:05       | 1 Boat                  | Vessel           | DEMOFONTE | No          | N/A     |           | Upstream                     | No        |
| 6/12/2025 | 5:26 PM    | 5:32 PM  | 0:06       | 2 boats                 | Vessel           | DEMOFONTE | No          | N/A     |           | Upstream                     | No        |
| 6/15/2025 | 5:58 PM    | 6:03 PM  | 0:05       | Fox Marine              | 1 Vessel         | HUGHES    | No          | N/A     |           | Upstream                     | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name       | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|-----------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 6/15/2025 | 9:04 PM    | 9:09 PM  | 0:05       | Fox Marine      | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 6/16/2025 | 8:23 AM    | 8:33 AM  | 0:10       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 8:44 AM    | 8:54 AM  | 0:10       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 9:03 AM    | 9:10 AM  | 0:07       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 9:22 AM    | 9:25 AM  | 0:03       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 9:37 AM    | 9:49 AM  | 0:12       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 2:34 PM    | 2:39 PM  | 0:05       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 12:28 PM   | 12:31 PM | 0:03       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 12:40 PM   | 12:50 PM | 0:10       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 12:55 PM   | 12:57 PM | 0:02       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 1:22 PM    | 1:28 PM  | 0:06       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 1:39 PM    | 1:51 PM  | 0:12       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 2:02 PM    | 2:07 PM  | 0:05       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 9:54 AM    | 10:04 AM | 0:10       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 10:25 AM   | 10:34 AM | 0:09       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 10:36 AM   | 10:39 AM | 0:03       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 10:45 AM   | 10:50 AM | 0:05       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 12:08 PM   | 12:12 PM | 0:04       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 12:19 PM   | 12:24 PM | 0:05       | IEW CONTRACTORS | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/16/2025 | 5:38 PM    | 5:44 PM  | 0:06       |                 | Practice Opening | ZIMMERMAN | No          | HUGHES |           |            | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name               | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|-------------------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 6/16/2025 | 5:50 PM    | 5:56 PM  | 0:06       |                         | Practice Opening | ZIMMERMAN | No          | HUGHES |           |            | No        |
| 6/16/2025 | 6:01 PM    | 6:07 PM  | 0:06       |                         | Practice Opening | ZIMMERMAN | No          | HUGHES |           |            | No        |
| 6/17/2025 | 7:39 AM    | 7:48 AM  | 0:09       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 7:59 AM    | 8:10 AM  | 0:11       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 8:54 AM    | 8:57 AM  | 0:03       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 9:35 AM    | 9:47 AM  | 0:12       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 9:58 AM    | 10:03 AM | 0:05       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 10:41 AM   | 10:45 AM | 0:04       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/17/2025 | 1:44 PM    | 1:49 PM  | 0:05       | IEW CONTRACTORS         | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 6/19/2025 | 7:16 PM    | 7:21 PM  | 0:05       | BOAT US TOW             | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 6/19/2025 | 8:35 PM    | 8:40 PM  | 0:05       | BOAT US TOW+BOAT IN TOW | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 6/21/2025 | 12:59 PM   | 1:04 PM  | 0:05       | 1 BOAT                  | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 6/21/2025 | 1:37 PM    | 1:42 PM  | 0:05       | 1 BOAT                  | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 6/21/2025 | 2:07 PM    | 2:12 PM  | 0:05       | 1 Boat                  | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 6/21/2025 | 4:50 PM    | 4:55 PM  | 0:05       | 1 Boat                  | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 6/21/2025 | 7:02 PM    | 7:08 PM  | 0:06       | 9 Boats                 | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 6/21/2025 | 8:12 PM    | 8:17 PM  | 0:05       | Extravaganza II         | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 6/22/2025 | 5:15 PM    | 5:21 PM  | 0:06       | 6 boats                 | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 6/22/2025 | 8:28 PM    | 8:33 PM  | 0:05       | 3 Boats                 | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name       | Reason                    | Operator  | In Training | Backup | Backup #2 | Direction                    | Scheduled |
|-----------|------------|----------|------------|-----------------|---------------------------|-----------|-------------|--------|-----------|------------------------------|-----------|
| 6/22/2025 | 8:58 PM    | 9:03 PM  | 0:05       | 1 Boat          | Vessel                    | DEMOFONTE | No          | N/A    |           | Downstream                   | No        |
| 6/26/2025 | 4:06 PM    | 4:11 PM  | 0:05       |                 | 1 Vessel                  | HUGHES    | No          | N/A    |           | Downstream                   | No        |
| 6/27/2025 | 12:46 PM   | 12:49 PM | 0:03       |                 | Maintenance-Grease Wedges | HUGHES    | No          | N/A    |           |                              | No        |
| 6/27/2025 | 8:46 PM    | 8:51 PM  | 0:05       |                 | 1 Vessel                  | HUGHES    | No          | N/A    |           | Upstream                     | No        |
| 6/27/2025 | 9:47 PM    | 9:52 PM  | 0:05       |                 | 1 Vessel                  | HUGHES    | No          | N/A    |           | Downstream                   | No        |
| 6/28/2025 | 2:41 PM    | 2:46 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Upstream                     | No        |
| 6/28/2025 | 3:39 PM    | 3:44 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Upstream                     | No        |
| 6/28/2025 | 4:15 PM    | 4:20 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Upstream                     | No        |
| 6/28/2025 | 5:03 PM    | 5:08 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Upstream                     | No        |
| 6/28/2025 | 5:18 PM    | 5:23 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/28/2025 | 5:58 PM    | 6:03 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Upstream                     | No        |
| 6/28/2025 | 6:24 PM    | 6:29 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/28/2025 | 6:46 PM    | 6:51 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/28/2025 | 7:50 PM    | 7:55 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/28/2025 | 8:43 PM    | 8:48 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/28/2025 | 9:07 PM    | 9:12 PM  | 0:05       |                 | Vessel                    | FORD      | No          | FORD   |           | Downstream                   | No        |
| 6/29/2025 | 3:05 PM    | 3:10 PM  | 0:05       |                 | 1 Vessel                  | HUGHES    | No          | N/A    |           | Upstream                     | No        |
| 6/29/2025 | 3:16 PM    | 3:21 PM  | 0:05       | Charlotte Lynn  | 3 Vessels                 | HUGHES    | No          | N/A    |           | 3 Upstream                   | No        |
| 6/29/2025 | 4:29 PM    | 4:37 PM  | 0:08       | Extravaganza II | 15 Vessels                | HUGHES    | No          | N/A    |           | 8 Downstream<br>, 7 Upstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name       | Reason    | Operator | In Training | Backup | Backup #2 | Direction                 | Scheduled |
|-----------|------------|----------|------------|-----------------|-----------|----------|-------------|--------|-----------|---------------------------|-----------|
| 6/29/2025 | 8:35 PM    | 8:40 PM  | 0:05       | Extravaganza II | 3 Vessels | HUGHES   | No          | N/A    |           | 3 Downstream              | No        |
| 6/29/2025 | 4:41 PM    | 4:46 PM  | 0:05       |                 | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 6/29/2025 | 4:54 PM    | 4:59 PM  | 0:05       |                 | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 6/29/2025 | 5:24 PM    | 5:29 PM  | 0:05       |                 | 2 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 1 Upstream | No        |
| 6/29/2025 | 5:52 PM    | 5:57 PM  | 0:05       | Extravaganza    | 2 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 1 Upstream | No        |
| 6/29/2025 | 6:08 PM    | 6:14 PM  | 0:06       | Charlotte Lynn  | 4 Vessels | HUGHES   | No          | N/A    |           | 4 Downstream              | No        |
| 6/29/2025 | 7:46 PM    | 7:51 PM  | 0:05       | Extravaganza    | 3 Vessels | HUGHES   | No          | N/A    |           | 3 Downstream              | No        |
| 7/5/2025  | 12:04 PM   | 12:09 PM | 0:05       |                 | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 7/5/2025  | 3:23 PM    | 3:28 PM  | 0:05       |                 | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 7/5/2025  | 9:22 PM    | 9:27 PM  | 0:05       |                 | 4 Vessels | HUGHES   | No          | N/A    |           | 4 Downstream              | No        |
| 7/6/2025  | 12:28 PM   | 12:33 PM | 0:05       | Joint Effort    | 1 Vessel  | HUGHES   | No          | N/A    |           | Upstream                  | No        |
| 7/6/2025  | 1:12 PM    | 1:17 PM  | 0:05       |                 | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Upstream                | No        |
| 7/6/2025  | 1:47 PM    | 1:52 PM  | 0:05       | Charlotte Lynn  | 3 Vessels | HUGHES   | No          | N/A    |           | 3 Upstream                | No        |
| 7/6/2025  | 2:02 PM    | 2:07 PM  | 0:05       |                 | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |
| 7/6/2025  | 2:42 PM    | 2:48 PM  | 0:06       | It's All Good   | 3 Vessels | HUGHES   | No          | N/A    |           | 1 Downstream , 2 Upstream | No        |
| 7/6/2025  | 2:53 PM    | 2:58 PM  | 0:05       |                 | 2 Vessels | HUGHES   | No          | N/A    |           | 2 Upstream                | No        |
| 7/6/2025  | 4:42 PM    | 4:47 PM  | 0:05       | It's All Good   | 1 Vessel  | HUGHES   | No          | N/A    |           | Downstream                | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name     | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|---------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 7/6/2025  | 6:10 PM    | 6:15 PM  | 0:05       | It's All Good | 2 Vessels        | HUGHES    | No          | N/A    |           | 2 Upstream | No        |
| 7/6/2025  | 6:52 PM    | 6:57 PM  | 0:05       | It's All Good | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 7/7/2025  | 2:58 PM    | 3:03 PM  | 0:05       |               | 1 Vessel         | HUGHES    | No          | N/A    |           | Upstream   | No        |
| 7/7/2025  | 4:25 PM    | 4:30 PM  | 0:05       |               | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 7/10/2025 | 4:41 PM    | 4:46 PM  | 0:05       | 1 Boat        | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 7/10/2025 | 6:11 PM    | 6:16 PM  | 0:05       | 1 Boat        | Vessel           | STEWART   | No          | N/A    |           | Downstream | No        |
| 7/11/2025 | 12:37 PM   | 12:41 PM | 0:04       | GREASE WEDGES | Test-Maintenance | STEWART   | No          | N/A    |           |            | No        |
| 7/12/2025 | 2:31 PM    | 2:37 PM  | 0:06       | 5 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/12/2025 | 8:20 PM    | 8:25 PM  | 0:05       | 1 Boat        | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/12/2025 | 3:22 PM    | 3:28 PM  | 0:06       | 4 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/12/2025 | 3:42 PM    | 3:47 PM  | 0:05       | 1 Boat        | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/12/2025 | 4:09 PM    | 4:19 PM  | 0:10       | 2 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/12/2025 | 4:40 PM    | 4:45 PM  | 0:05       | 3 Boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/12/2025 | 5:05 PM    | 5:10 PM  | 0:05       | 2 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/12/2025 | 4:53 PM    | 4:58 PM  | 0:05       | 2 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/13/2025 | 2:42 PM    | 2:47 PM  | 0:05       | 1 Boat        | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/13/2025 | 3:06 PM    | 3:11 PM  | 0:05       | 5 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/13/2025 | 3:55 PM    | 4:00 PM  | 0:05       | 2 boats       | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/13/2025 | 4:35 PM    | 4:40 PM  | 0:05       | 1 Boat        | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/13/2025 | 4:50 PM    | 4:55 PM  | 0:05       | 1 Boat        | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |





Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name            | Reason           | Operator  | In Training | Backup | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|----------------------|------------------|-----------|-------------|--------|-----------|------------|-----------|
| 7/13/2025 | 5:22 PM    | 5:27 PM  | 0:05       | 2 boats              | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/13/2025 | 5:46 PM    | 5:51 PM  | 0:05       | 3 Boats              | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/13/2025 | 6:05 PM    | 6:10 PM  | 0:05       | 1 Boat               | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/18/2025 | 11:59 AM   | 12:04 PM | 0:05       | Wastin Time          | 1 Vessel         | HUGHES    | No          | N/A    |           | Upstream   | No        |
| 7/18/2025 | 8:16 PM    | 8:21 PM  | 0:05       |                      | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 7/20/2025 | 1:00 PM    | 1:05 PM  | 0:05       | SUNSHINE AND WHISKEY | Vessel           | STEWART   | No          | N/A    |           | Upstream   | No        |
| 7/23/2025 | 3:38 PM    | 3:43 PM  | 0:05       |                      | 1 Vessel         | HUGHES    | No          | N/A    |           | Upstream   | No        |
| 7/23/2025 | 4:08 PM    | 4:13 PM  | 0:05       |                      | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |
| 7/24/2025 | 4:13 PM    | 4:18 PM  | 0:05       | NJSP                 | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/24/2025 | 5:09 PM    | 5:14 PM  | 0:05       | 2 boats              | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/24/2025 | 6:26 PM    | 6:31 PM  | 0:05       | NJSP plus 3          | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/25/2025 | 12:50 PM   | 12:54 PM | 0:04       |                      | Test-Maintenance | DEMOFONTE | No          | N/A    |           |            | No        |
| 7/25/2025 | 1:44 PM    | 1:49 PM  | 0:05       | 1 Boat               | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/25/2025 | 3:42 PM    | 3:47 PM  | 0:05       | 1 Boat               | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/25/2025 | 4:18 PM    | 4:23 PM  | 0:05       | 3 Boats              | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/25/2025 | 7:26 PM    | 7:31 PM  | 0:05       | It's All Good        | Vessel           | DEMOFONTE | No          | N/A    |           | Downstream | No        |
| 7/25/2025 | 5:44 PM    | 5:49 PM  | 0:05       | 1 Boat               | Vessel           | DEMOFONTE | No          | N/A    |           | Upstream   | No        |
| 7/26/2025 | 1:40 PM    | 1:45 PM  | 0:05       |                      | 2 Vessels        | HUGHES    | No          | N/A    |           | 2 Upstream | No        |
| 7/26/2025 | 3:26 PM    | 3:31 PM  | 0:05       | Joint Effort         | 1 Vessel         | HUGHES    | No          | N/A    |           | Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name                           | Reason    | Operator  | In Training | Backup | Backup #2 | Direction                    | Scheduled |
|-----------|------------|----------|------------|-------------------------------------|-----------|-----------|-------------|--------|-----------|------------------------------|-----------|
| 7/26/2025 | 3:53 PM    | 3:58 PM  | 0:05       | Murphy's Law                        | 3 Vessels | HUGHES    | No          | N/A    |           | 1 Downstream<br>, 2 Upstream | No        |
| 7/26/2025 | 4:06 PM    | 4:11 PM  | 0:05       |                                     | 1 Vessel  | HUGHES    | No          | N/A    |           | Upstream                     | No        |
| 7/26/2025 | 4:40 PM    | 4:45 PM  | 0:05       |                                     | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Downstream                 | No        |
| 7/26/2025 | 6:10 PM    | 6:15 PM  | 0:05       | Sunshine & Whiskey,<br>Murphy's Law | 2 Vessels | HUGHES    | No          | N/A    |           | 1 Downstream<br>, 1 Upstream | No        |
| 7/26/2025 | 6:48 PM    | 6:53 PM  | 0:05       | Sunshine & Whiskey                  | 1 Vessel  | HUGHES    | No          | N/A    |           | Downstream                   | No        |
| 7/26/2025 | 7:13 PM    | 7:18 PM  | 0:05       |                                     | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Downstream                 | No        |
| 7/29/2025 | 9:28 AM    | 9:33 AM  | 0:05       | NJ Navigation                       | Vessel    | MCCARRON  | No          | N/A    |           | Downstream                   | No        |
| 7/29/2025 | 9:01 AM    | 9:06 AM  | 0:05       | NJ Navigation                       | Vessel    | MCCARRON  | No          | N/A    | **        | Upstream                     | No        |
| 7/30/2025 | 4:27 PM    | 4:32 PM  | 0:05       | 1 Boat                              | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream                     | No        |
| 7/30/2025 | 5:56 PM    | 6:01 PM  | 0:05       | 1 Boat                              | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream                   | No        |
| 8/1/2025  | 5:36 PM    | 5:41 PM  | 0:05       | 1 Boat                              | Vessel    | STEWART   | No          | N/A    |           | Upstream                     | No        |
| 8/1/2025  | 6:52 PM    | 6:57 PM  | 0:05       | 1 Boat                              | Vessel    | STEWART   | No          | N/A    |           | Downstream                   | No        |
| 8/1/2025  | 8:14 PM    | 8:19 PM  | 0:05       | 1 Boat                              | Vessel    | STEWART   | No          | N/A    |           | Upstream                     | No        |
| 8/1/2025  | 8:54 PM    | 8:59 PM  | 0:05       | 1 Boat                              | Vessel    | STEWART   | No          | N/A    |           | Downstream                   | No        |
| 8/2/2025  | 3:09 PM    | 3:14 PM  | 0:05       | US CG Aux                           | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream                     | No        |
| 8/2/2025  | 4:54 PM    | 4:59 PM  | 0:05       | US CG Aux                           | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream                   | No        |
| 8/2/2025  | 7:39 PM    | 7:44 PM  | 0:05       | 2 boats                             | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream                   | No        |
| 8/3/2025  | 1:00 PM    | 1:05 PM  | 0:05       | 2 boats                             | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream                     | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name               | Reason                    | Operator  | In Training | Backup | Backup #2 | Direction             | Scheduled |
|-----------|------------|----------|------------|-------------------------|---------------------------|-----------|-------------|--------|-----------|-----------------------|-----------|
| 8/3/2025  | 1:39 PM    | 1:44 PM  | 0:05       | 2 boats                 | Vessel                    | DEMOFONTE | No          | N/A    |           | Upstream              | No        |
| 8/3/2025  | 5:04 PM    | 5:09 PM  | 0:05       | 1 Boat                  | Vessel                    | DEMOFONTE | No          | N/A    |           | Downstream            | No        |
| 8/8/2025  | 12:52 PM   | 12:56 PM | 0:04       |                         | Maintenance-Grease Wedges | HUGHES    | No          | N/A    |           |                       | No        |
| 8/9/2025  | 1:11 PM    | 1:16 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Downstream            | No        |
| 8/9/2025  | 1:21 PM    | 1:26 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/9/2025  | 3:34 PM    | 3:39 PM  | 0:05       | 1 BOAT UP + 1 BOAT DOWN | Vessel                    | STEWART   | No          | N/A    |           | UPSTREAM /DOWNSTR EAM | No        |
| 8/9/2025  | 4:29 PM    | 4:34 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Downstream            | No        |
| 8/9/2025  | 4:47 PM    | 4:52 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/9/2025  | 6:45 PM    | 6:50 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Downstream            | No        |
| 8/10/2025 | 1:20 PM    | 1:25 PM  | 0:05       | 3 Boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 2:02 PM    | 2:07 PM  | 0:05       | 2 boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 2:52 PM    | 3:00 PM  | 0:08       | 3 Boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 3:07 PM    | 3:12 PM  | 0:05       | 2 boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 3:20 PM    | 3:25 PM  | 0:05       | 3 Boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 3:27 PM    | 3:32 PM  | 0:05       | 2 boats                 | Vessel                    | STEWART   | No          | N/A    |           | UP/DOWN               | No        |
| 8/10/2025 | 6:15 PM    | 6:20 PM  | 0:05       | 2 boats                 | Vessel                    | STEWART   | No          | N/A    |           | Downstream            | No        |
| 8/10/2025 | 6:36 PM    | 6:44 PM  | 0:08       | 6 boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 6:55 PM    | 7:00 PM  | 0:05       | 1 Boat                  | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |
| 8/10/2025 | 7:17 PM    | 7:22 PM  | 0:05       | 4 boats                 | Vessel                    | STEWART   | No          | N/A    |           | Upstream              | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name       | Reason    | Operator  | In Training | Backup             | Backup #2 | Direction  | Scheduled |
|-----------|------------|----------|------------|-----------------|-----------|-----------|-------------|--------------------|-----------|------------|-----------|
| 8/10/2025 | 8:07 PM    | 8:12 PM  | 0:05       | 1 Boat          | Vessel    | STEWART   | No          | N/A                |           | Upstream   | No        |
| 8/10/2025 | 9:54 PM    | 9:59 PM  | 0:05       | 5 boats         | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/10/2025 | 3:44 PM    | 3:50 PM  | 0:06       | 3 Boats         | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/10/2025 | 4:02 PM    | 4:07 PM  | 0:05       | 3 Boats         | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/10/2025 | 4:19 PM    | 4:25 PM  | 0:06       | 2 boats         | Vessel    | STEWART   | No          | N/A                |           | UP/DOWN    | No        |
| 8/10/2025 | 4:59 PM    | 5:04 PM  | 0:05       | 1 Boat          | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/10/2025 | 5:26 PM    | 5:31 PM  | 0:05       | 2 boats         | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/10/2025 | 5:36 PM    | 5:40 PM  | 0:04       | 1 Boat          | Vessel    | STEWART   | No          | N/A                |           | Downstream | No        |
| 8/13/2025 | 6:01 PM    | 6:06 PM  | 0:05       |                 | 2 Vessels | HUGHES    | No          | N/A                |           | 2 Upstream | No        |
| 8/15/2025 | 6:12 PM    | 6:17 PM  | 0:05       | 1 Boat          | Vessel    | DEMOFONTE | No          | ADMINISTR<br>ATION | **        | Downstream | No        |
| 8/16/2025 | 7:58 PM    | 8:03 PM  | 0:05       |                 | 1 Vessel  | HUGHES    | No          | N/A                |           | Upstream   | No        |
| 8/17/2025 | 12:27 PM   | 12:32 PM | 0:05       | Charlotte Lynn  | 1 Vessel  | HUGHES    | No          | N/A                |           | Upstream   | No        |
| 8/17/2025 | 1:33 PM    | 1:38 PM  | 0:05       | It's All Good   | 1 Vessel  | HUGHES    | No          | N/A                |           | Upstream   | No        |
| 8/17/2025 | 1:53 PM    | 1:58 PM  | 0:05       | Extravaganza II | 3 Vessels | HUGHES    | No          | N/A                |           | 3 Upstream | No        |
| 8/17/2025 | 3:25 PM    | 3:30 PM  | 0:05       |                 | 1 Vessel  | HUGHES    | No          | N/A                |           | Downstream | No        |
| 8/17/2025 | 3:45 PM    | 3:50 PM  | 0:05       | It's All Good   | 1 Vessel  | HUGHES    | No          | N/A                |           | Downstream | No        |
| 8/17/2025 | 6:43 PM    | 6:48 PM  | 0:05       | Charlotte Lynn  | 1 Vessel  | HUGHES    | No          | N/A                |           | Downstream | No        |
| 8/17/2025 | 8:19 PM    | 8:24 PM  | 0:05       | Extravaganza II | 1 Vessel  | HUGHES    | No          | N/A                |           | Downstream | No        |
| 8/22/2025 | 1:36 PM    | 1:41 PM  | 0:05       |                 | 1 Vessel  | HUGHES    | No          | N/A                |           | Downstream | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date      | Start Time | End Time | Total Time | Ship Name | Reason    | Operator  | In Training | Backup | Backup #2 | Direction    | Scheduled |
|-----------|------------|----------|------------|-----------|-----------|-----------|-------------|--------|-----------|--------------|-----------|
| 8/22/2025 | 2:42 PM    | 2:47 PM  | 0:05       |           | 2 Vessels | HUGHES    | No          | N/A    |           | 2 Downstream | No        |
| 8/23/2025 | 3:51 PM    | 3:56 PM  | 0:05       | 2 boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/23/2025 | 4:16 PM    | 4:21 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/23/2025 | 4:36 PM    | 4:41 PM  | 0:05       | 2 boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/23/2025 | 5:03 PM    | 5:08 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/23/2025 | 5:24 PM    | 5:29 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/23/2025 | 5:55 PM    | 6:00 PM  | 0:05       | 4 boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/23/2025 | 1:58 PM    | 2:03 PM  | 0:05       | 3 Boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/23/2025 | 2:23 PM    | 2:28 PM  | 0:05       | 3 Boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/23/2025 | 3:29 PM    | 3:34 PM  | 0:05       | 3 Boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/24/2025 | 3:41 PM    | 3:46 PM  | 0:05       | 4 boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/24/2025 | 5:03 PM    | 5:08 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/24/2025 | 5:28 PM    | 5:33 PM  | 0:05       | 2 boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/24/2025 | 6:08 PM    | 6:13 PM  | 0:05       | 3 Boats   | Vessel    | DEMOFONTE | No          | N/A    |           | Upstream     | No        |
| 8/24/2025 | 6:58 PM    | 7:03 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/24/2025 | 7:05 PM    | 7:10 PM  | 0:05       | 1 Boat    | Vessel    | DEMOFONTE | No          | N/A    |           | Downstream   | No        |
| 8/27/2025 | 4:48 PM    | 4:53 PM  | 0:05       | 1 Boat    | Vessel    | STEWART   | No          | N/A    |           | Upstream     | No        |
| 8/27/2025 | 6:00 PM    | 6:05 PM  | 0:05       | 1 Boat    | Vessel    | STEWART   | No          | N/A    |           | Downstream   | No        |
| 8/28/2025 | 6:22 PM    | 6:27 PM  | 0:05       | Riddler   | 1 Vessel  | HUGHES    | No          | N/A    |           | Upstream     | No        |



Maintenance Management System  
Burlington County Bridge Commission

**Bridge Opening Report Within 9/1/2024 and 8/31/2025**

| Date  | Start Time | End Time | Total Time | Ship Name | Reason   | Operator | In Training | Backup | Backup #2 | Direction  | Scheduled |
|---|------------|----------|------------|-----------|----------|----------|-------------|--------|-----------|------------|-----------|
| 8/28/2025   | 7:49 PM    | 7:54 PM  | 0:05       | Riddler   | 1 Vessel | HUGHES   | No          | N/A    |           | Downstream | No        |
| 8/29/2025   | 7:50 PM    | 7:55 PM  | 0:05       |           | 1 Vessel | HUGHES   | No          | N/A    |           | Upstream   | No        |
| 8/29/2025   | 8:37 PM    | 8:42 PM  | 0:05       |           | 1 Vessel | HUGHES   | No          | N/A    |           | Upstream   | No        |
| 8/30/2025   | 1:02 PM    | 1:10 PM  | 0:08       | 6 boats   | Vessel   | STEWART  | No          | N/A    |           | Upstream   | No        |
| 8/30/2025   | 5:00 PM    | 5:05 PM  | 0:05       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Upstream   | No        |
| 8/30/2025   | 6:48 PM    | 6:53 PM  | 0:05       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| 8/30/2025   | 7:02 PM    | 7:07 PM  | 0:05       | 2 boats   | Vessel   | STEWART  | No          | N/A    |           | up/down    | No        |
| 8/30/2025   | 7:11 PM    | 7:17 PM  | 0:06       | 4 Boats   | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| 8/30/2025   | 7:23 PM    | 7:31 PM  | 0:08       | 5 boats   | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| 8/31/2025   | 6:14 PM    | 6:19 PM  | 0:05       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Upstream   | No        |
| 8/31/2025   | 6:54 PM    | 6:59 PM  | 0:05       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| 8/31/2025   | 7:09 PM    | 7:15 PM  | 0:06       | 2 boats   | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| 8/31/2025   | 7:24 PM    | 7:28 PM  | 0:04       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Upstream   | No        |
| 8/31/2025   | 7:55 PM    | 8:00 PM  | 0:05       | 1 Boat    | Vessel   | STEWART  | No          | N/A    |           | Downstream | No        |
| <b>Summary for Riverside-Delanco Bridge (total openings: 371)</b> |            |          |            |           |          |          |             |        |           |            |           |

B U R L I N G T O N    C O U N T Y    B R I D G E    C O M M I S S I O N

# RIVERSIDE - DELANCO BRIDGE

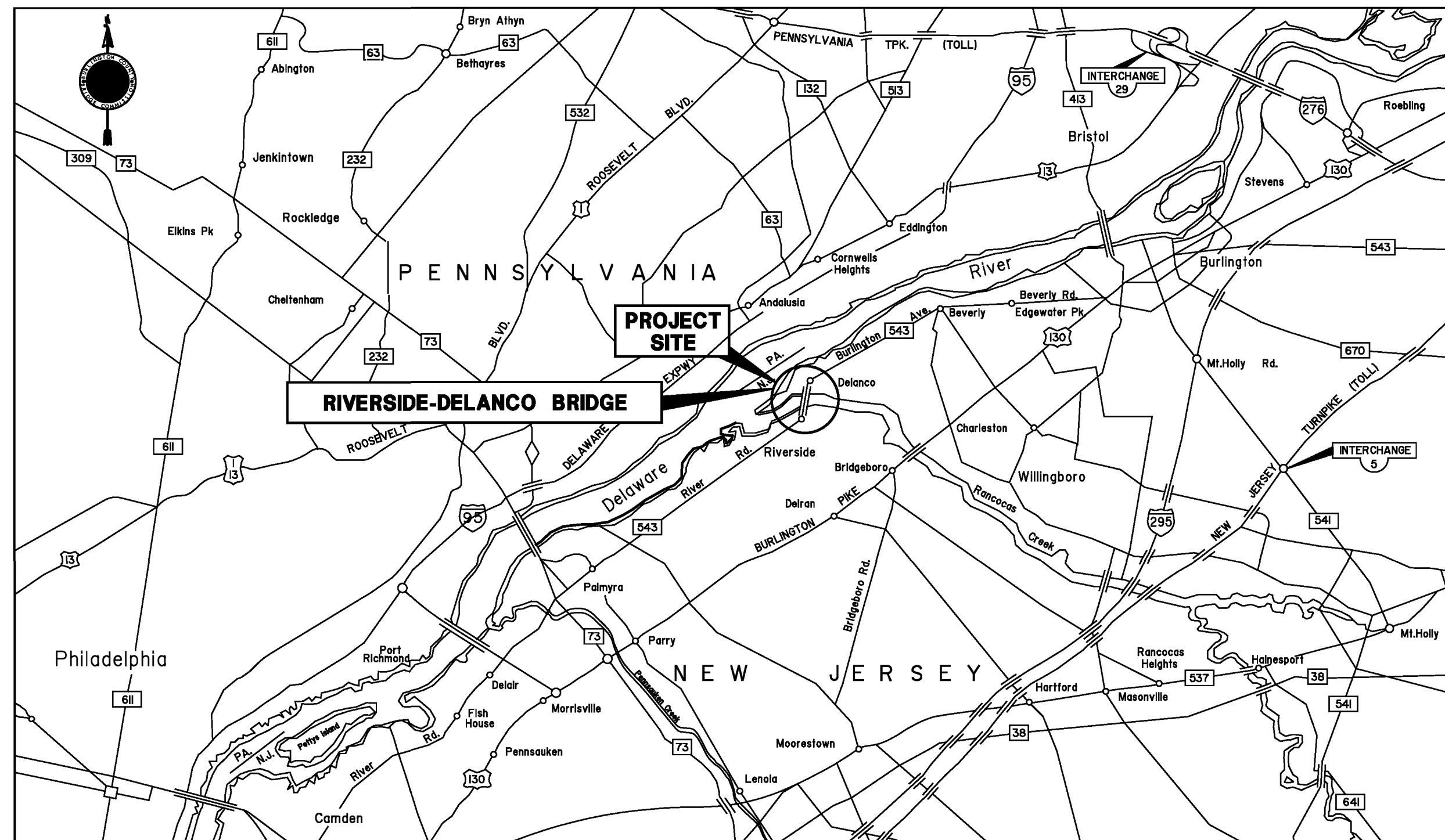
# CR 543 OVER RANCOCAS CREEK

RIVERSIDE AND DELANCO, NEW JERSEY

# BRIDGE REHABILITATION

## STRUCTURAL STEEL, PAINTING, AND FENDER REPAIRS

**BCBC - 202505**

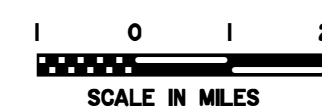


BURLINGTON COUNTY BRIDGE COMMISSION

SANDRA NUNES  
JACLYN VEASY  
BRIAN WOODS

CHAIRWOMAN  
VICE-CHAIRWOMAN  
COMMISSIONER

## KEY MAP



APPROVED:

JOSEPH ANDL, EXECUTIVE DIRECTOR

## BURLINGTON COUNTY BRIDGE COMMISSION

**PENNONI ASSOCIATES INC.**  
CONSULTING ENGINEERS

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PENNNI ASSOCIATES INC.
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| INDEX OF DRAWINGS        |         |   |
|--------------------------|---------|---|
| SHEET                    | DWG NO. | DESCRIPTION   |
| STRUCTURAL STEEL REPAIRS |         |   |
| 1                        |         | TITLE SHEET   |
| 2                        | G-1     | INDEX OF DRAWINGS   |
| 3                        | G-2     | GENERAL NOTES - 1   |
| 4                        | G-3     | GENERAL NOTES - 2   |
| 5                        | G-4     | GENERAL PLAN AND ELEVATION  |
| 6                        | G-5     | REPAIR SCEHDULE AND ESTIMATED QUANTITIES - 1                                |
| 7                        | G-6     | REPAIR SCEHDULE AND ESTIMATED QUANTITIES - 1                                |
| 8                        | G-7     | GENERAL REPAIR LOCATION PLAN - 1  |
| 9                        | G-8     | GENERAL REPAIR LOCATION PLAN - 2  |
| 10                       | G-9     | GENERAL REPAIR LOCATION PLAN - 3  |
| 11                       | S-1     | R1 - DELANCO SPAN BOLSTER REPLACEMENT DETAILS - 1                           |
| 12                       | S-2     | R1 - DELANCO SPAN BOLSTER REPLACEMENT DETAILS - 2                           |
| 13                       | S-3     | R2 - SWING SPAN SIDEWALK FLOORBEAM L10 REPAIR DETAILS                       |
| 14                       | S-4     | R3 - SWING SPAN WEST TRUSS BETWEEN L2 AND L4 CLOSURE PLATE SUPPORTING ANGLE |
| 15                       | S-5     | R4 - SWING SPAN EAST TRUSS RAILING REPAIR DETAIL                            |
| 16                       | S-6     | R5 - SWING SPAN STRINGER S1 AT L0 REPAIR DETAILS                            |
| 17                       | S-7     | R6 - DELANCO SPAN STRINGER S6 AT L0' REPAIR DETAILS                         |
| 18                       | S-8     | R7 - SWING SPAN STRINGER REPAIR DETAILS                                     |
| 19                       | S-9     | R8 - SWING SPAN LOW MOUNTING BOLTS WEDGE REPAIR DETAILS                     |
| 20                       | S-10    | R9 - RIVERSIDE SPAN L4'W BOLT REPLACEMENT DETAILS                           |
| 21                       | S-11    | R10 - RIVERSIDE SPAN L2' WELD REPAIR DETAILS                                |
| 22                       | S-12    | R11 - SWING SPAN L4W BOLT REPLACEMENT                                       |
| 23                       | S-13    | R12 - RIVERSIDE SPAN STIFFENER PLATE REPLACEMENT DETAILS                    |
| 24                       | S-14    | R13 - SWING SPAN TRUSS REPAIR DETAILS - 1                                   |
| 25                       | S-15    | R13 - SWING SPAN TRUSS REPAIR DETAILS - 2                                   |
| 26                       | S-16    | R14 - RIVERSIDE SPAN TRUSS REPAIR DETAILS                                   |
| 27                       | S-17    | R15 - SWING SPAN L0'E MOUNTING BOLTS WEDGE REPAIR DETAILS                   |
| 28                       | S-18    | R16 - SWING SPAN DECK REPAIR DETAILS  |
| BRIDGE PAINTING          |         |   |
| 29                       | P-1     | BRIDGE PAINTING - TYPICAL CROSS SECTIONS                                    |
| 30                       | P-2     | BRIDGE PAINTING - GIRDER ELEVATION  |
| 31                       | P-3     | BRIDGE PAINTING - HANDRAIL DETAIL   |
| 32                       | P-4     | BRIDGE PAINTING - CENTER PIER PLAN VIEW AND SECTIONS                        |
| 33                       | P-5     | BRIDGE PAINTING - MACHINERY ELEVATION AND SECTIONS                          |
| FENDER REPAIRS           |         |   |
| 34                       | F-1     | FENDER REPAIRS - KEY PLAN   |
| 35                       | F-2     | FENDER REPAIRS - EXISTING CONDITION PHOTOS                                  |
| 36                       | F-3     | FENDER REPAIRS - CENTER PIER PLAN AND DETAILS                               |
| 37                       | F-4     | FENDER REPAIRS - CENTER PIER REPAIR DETAILS                                 |
| 38                       | F-5     | FENDER REPAIRS - PIER A PLAN AND DETAILS                                    |
| 39                       | F-6     | FENDER REPAIRS - PIER B PLAN AND DETAILS                                    |

ALSO INCLUDE:  
BURLINGTON COUNTY BRIDGE COMMISSION - MAJOR AND MINOR BRIDGE  
TRAFFIC CONTROL PLANS - RIVERSIDE-DELANCO BRIDGE  
(4 SHEETS TCP-5 THRU TCP-8) PREPARED BY CME ASSOCIATES.

Design GGB      CK' d AR  
Drawn GGB      CK' d AR

In Charge \_\_\_\_\_

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| REVISIONS |    |      |             |

|   |                   |                     |                      |
|---|-------------------|---------------------|----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                      |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ                      DELANCO, NJ |                   |                     |                      |
| BRIDGE REHABILITATION   |                   |                     |                      |
| INDEX OF DRAWINGS   |                   |                     |                      |
| PENNONI ASSOCIATES INC.   |                   |                     |                      |
| DRAWING NO.<br>G-1  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>2 OF 39 |



NOTES:

GENERAL:

1.

THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THESE CONTRACT DRAWINGS, THE CONTRACT SPECIFICATIONS, AND ALL OTHER CONTRACT DOCUMENTS AS DEFINED WITHIN THE SPECIFICATIONS.
2.

THE EXISTING DETAILS, DIMENSIONS, AND ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM RECORD DRAWINGS AND FIELD MEASUREMENTS ON THE EXISTING STRUCTURE. THE CONTRACTOR SHALL PERFORM A FIELD SURVEY TO VERIFY ALL DIMENSIONS AFFECTING FABRICATION OR CONSTRUCTION. SHOP AND CONSTRUCTION DRAWINGS SHALL INDICATE FIELD VERIFIED DIMENSIONS. PAYMENT FOR COMPLETING THE FIELD SURVEY SHALL BE CONSIDERED AS INCLUDED WITHIN THE COST FOR FABRICATION OF MATERIALS AFFECTED.
3.

RECORD DRAWINGS OF THE EXISTING STRUCTURE ARE ON FILE AT THE ENGINEER'S OFFICE, PALMYRA, NEW JERSEY. RECORD DRAWINGS OF THE EXISTING STRUCTURE WILL BE MADE AVAILABLE FOR REFERENCE (BUT MAY NOT BE REMOVED) AT THE ENGINEER'S OFFICE.
4.

THE CONTRACTOR SHALL SUBMIT A DETAILED WRITTEN PLAN OF OPERATION. THE COST FOR WRITTEN PLAN OF OPERATIONS SHALL BE CONSIDERED AS INCLUDED WITHIN THE PRICE BID FOR VARIOUS PAY-ITEMS OF THIS CONTRACT.
5.

THE ENGINEER WILL NOT COMMENCE REVIEW OF THE CONTRACTOR'S SHOP DRAWINGS OR OTHER WORKING DRAWINGS UNTIL THE ENGINEER HAS COMPLETED HIS REVIEW OF THE WRITTEN PLAN OF OPERATIONS.
6.

THE CONTRACTOR SHALL SUBMIT TO THE UNITED STATES COAST GUARD FOR APPROVAL COPIES OF THEIR PLAN OF OPERATIONS AND SCHEDULE OF WORK.
7.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIAL WHICH IS TO REMAIN IN PLACE, OR IS TO REMAIN THE PROPERTY OF THE BURLINGTON COUNTY BRIDGE COMMISSION, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY OF THESE MATERIALS, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT NO EXTRA COST TO THE COMMISSION.
8.

ALL REPAIR MATERIALS MUST BE ORDERED, DELIVERED, AND FIT VERIFIED BEFORE STARTING ANY STEEL REPAIR.
9.

DURING ALL OPERATIONS OF THIS CONTRACT, THE CONTRACTOR SHALL NOT BE PERMITTED TO DROP MATERIAL OR DEBRIS (INCLUDING VEGETATION GROWTH) FROM THE BRIDGE. PROTECTIVE SHIELDS SHALL BE PROVIDED TO CATCH FALLING MATERIAL AND SHIELD THE AREA BELOW THE WORK. ALL DEBRIS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OUTSIDE OF THE JURISDICTION OF THE BURLINGTON COUNTY BRIDGE COMMISSION, UNLESS OTHERWISE NOTED. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE SHIELDS ARE NOT BEING PROVIDED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTIVE SHIELDS ARE EMPLOYED AT NO ADDITIONAL COST TO THE COMMISSION. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING, AND DISPOSING OF PROTECTIVE MEASURES SHALL BE INCLUDED IN THE LUMP SUM AND UNIT PRICES BID FOR THE SCHEDULED ITEMS IN THE CONTRACT.
10.

ALL MATERIALS REMOVED FROM THE EXISTING STRUCTURE SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR OWN EXPENSE OUTSIDE THE JURISDICTION OF THE BURLINGTON COUNTY BRIDGE COMMISSION UNLESS OTHERWISE NOTED. NO MATERIALS SHALL BE DROPPED IN THE RIVER AS A METHOD OF DISPOSAL. DEBRIS REMOVAL SHALL BE INCIDENTAL TO THE REPAIR WORK.
11.

ALL DIMENSIONS ARE HORIZONTAL, EXCEPT AS NOTED.
12.

STATIONS AND ELEVATIONS ARE GIVEN IN FEET UNLESS OTHERWISE NOTED.
13.

SUPERSTRUCTURE DIMENSIONS SHOWN ARE FOR A NORMAL TEMPERATURE OF 68°F.
14.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE ERECTION OF ALL BRIDGE AND STRUCTURAL COMPONENTS. PROVIDE ALL NECESSARY BRACING AND SUPPORTS.
15.

STABILITY OF THE PORTIONS OF THE EXISTING STRUCTURE THAT ARE TO BE UTILIZED DURING CONSTRUCTION IS TO BE MAINTAINED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
16.

THE CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE UNITED STATES COAST GUARD REQUIREMENTS. FORMAL SUBMITTALS INCLUDING PROPOSED PLAN, SCHEDULE AND SEQUENCE OF OPERATIONS SHALL BE MADE TO THE FIFTH COAST GUARD DISTRICT.

GENERAL (CONT.):

17.

MARINE WARNING SIGNS ARE TO BE PLACED FACING MARINE TRAFFIC ON THE SWING SPAN. THE MARINE WARNING SIGNS TO BE PROVIDED SHALL CONFORM TO THE REQUIREMENTS AS SHOWN FOR THE SIGN DETAILS ON THIS SHEET. THE MINIMUM NUMBER OF SIGNS REQUIRED ARE AS SHOWN ON THE SIGN DETAILS. AT A MINIMUM, TWO SIGNS SHALL FACE UPSTREAM AND TWO SIGNS SHALL FACE DOWNSTREAM AND SHALL MARK THE AREA WHERE THE CONSTRUCTION WORK IS PRESENTLY BEING CONDUCTED. THE SIGNS SHALL BE MOVED AS THE WORK PROGRESSES ALONG THE BRIDGE SPANS. THE SIGNS SHOWN ARE FOR NORMAL RANGE OF 2 NAUTICAL MILES (2 NMI). THE COSTS FOR THE SIGNS INCLUDING ALL REQUIRED INSTALLATION SHALL BE INCLUDED IN THE VARIOUS BID ITEMS.
18.

THE BRIDGE WALKWAY, ROADWAY AND PIER TOPS SHALL NOT BE USED FOR STORAGE OF MATERIALS OR EQUIPMENT AND SHALL NOT BE COVERED OR BLOCKED IN ANY WAY WITHOUT A PRIOR WRITTEN AUTHORIZATION BY THE ENGINEER.
19.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FINAL DESIGN DRAWINGS AND DESIGN CALCULATIONS OF TEMPORARY ACCESS AND CONSTRUCTION PLATFORMS AND TEMPORARY PROTECTIVE SHIELDS.
20.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
21.

THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE STRICT CONFORMANCE OF ALL MAINTENANCE OF TRAFFIC REQUIREMENTS FOR BOTH MARINE AND VEHICULAR TRAFFIC, AS SPECIFIED WITHIN THESE CONTRACT DOCUMENTS.
22.

COOPERATION BETWEEN CONTRACTORS: THE CONTRACTOR IS ADVISED THAT THERE WILL BE OR MAY BE OTHER COMMISSION CONTRACTORS BEING PERFORMED ON THE BRIDGE CONCURRENTLY WITH THIS CONTRACT BY OTHER CONTRACTORS. THE CONTRACTORS WILL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS TO COORDINATE HIS WORK WITH THEIRS.
23.

KEEP BRIDGE AND CHANNEL NAVIGATIONAL LIGHTS OPERATIONAL AND VISIBLE TO WATERWAY TRAFFIC DURING CONSTRUCTION OPERATIONS. NOTE THAT TEMPORARY BRIDGE LIGHTING AND/OR SUPPORT MAY BE REQUIRED IN AREAS AND IS INCIDENTAL TO THE WORK. THE CONTRACTOR SHALL INCLUDE METHODS FOR MAINTAINING NAVIGATIONAL LIGHTING IN THEIR WORK PLANS, USCG NOTIFICATION, AND PERMITS.
24.

THE EXISTING ELECTRICAL SYSTEM SHALL NOT BE USED AS A SOURCE OF POWER BY THE CONTRACTOR AND SHALL NOT BE DISTURBED OR DISRUPTED IN ANY WAY EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE.
25.

CONTRACTOR IS HEARBY NOTIFIED THAT THERE ARE EXISTING SUBMARINE CABLES IN THE WATERWAY. APPROXIMATE LOCATION IS SHOWN ON DWG. F-1. CONTRACTOR TO ASSURE THAT SPUDS OR OTHER-IN-WATER ACTIVITIES DO NOT DAMAGE CABLES.
26.

DURING ALL NIGHT WORK, THE WORK SITE SHALL BE ILLUMINATED. THE CONTRACTOR SHALL PROVIDE MOBILE LIGHT POWER AND FLOODLIGHT APPARATUS FOR EACH SEPARATE NIGHT-TIME OPERATION SATISFACTORY ILLUMINATION SHALL BE CONSIDERED TO BE THAT WHICH SHEDS A MINIMUM OF FIVE LUMENS PER SQUARE FOOT OVER THE AREA SPECIFIED BY THE ENGINEER FOR ILLUMINATION. ANY COST FOR ILLUMINATION SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF WORK BEING COMPLETED AT NIGHT.
27.

DELAYS DUE TO PROVIDING INSUFFICIENT ILLUMINATION BY THE CONTRACTOR DURING NIGHT WORK, IF ANY, SHALL BE AT THE CONTRACTOR'S OWN COST AND EXPENSE AND AT NO ADDITIONAL COST TO THE COMMISSION. ADDITIONAL ILLUMINATION DEEMED NECESSARY BY THE ENGINEER IN ORDER TO COMPLETE WORK FOR ANY NIGHT-TIME OPERATION, SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE COMMISSION. THE EXISTING ELECTRICAL SYSTEM SHALL NOT BE USED AS A SOURCE OF POWER BY THE CONTRACTOR AND SHALL NOT BE DISTURBED OR DISRUPTED IN ANY WAY EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING NAVIGATION LIGHTS AT ALL TIMES FOR THE DURATION OF THE CONTRACT.

CONSTRUCTION SPECIFICATIONS:

1.

PROVIDE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE 2019 NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATION) WITH CURRENT SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY THE SPECIAL PROVISIONS.
2.

WELDING - JOINT PUBLICATION, ANSI/AASHTO/AWS D1.5-2015 BRIDGE WELDING CODE 2015 AND SUBSEQUENT AASHTO INTERIM PUBLICATIONS.
3.

USE ANSI/AASHTO/AWS/D1.1-2015 JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) DESIGN MANUAL FOR BRIDGES AND STRUCTURES, SIXTH EDITION, 2016.

DESIGN SPECIFICATIONS:

1.

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, NINTH EDITION, 2020, WITH CURRENT INTERIMS AND REVISIONS AND AS MODIFIED BY SECTION 3 OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) DESIGN MANUAL FOR BRIDGES AND STRUCTURES, 2016.
2.

DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

UTILITY NOTES:

1.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES THROUGHOUT THE DURATION OF CONSTRUCTION. AT NO TIME SHALL THE EXISTING UTILITIES BE DISTURBED AND/OR DISCONNECTED EXCEPT AS SPECIFICALLY DEFINED WITHIN THE SCOPE OF WORK FOR THIS CONTRACT. IF ANY CONSTRUCTION WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE BURLINGTON COUNTY BRIDGE COMMISSION.

CONSTRUCTION LOADS:

1.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SIZE, WEIGHT AND TYPE OF ALL CONSTRUCTION EQUIPMENT TO BE USED ON THE STRUCTURE BASED ON THE EXISTING CONDITION OF THE STRUCTURE. NO OVERLOAD VEHICLES SHALL BE PERMITTED ON THE STRUCTURE. THE DETERMINATION OF PERMISSIBLE LOADS SHALL BE MADE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY AND EMPLOYED BY THE CONTRACTOR. INTENDED LOADINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO MOVING ANY CONSTRUCTION VEHICLES ONTO THE BRIDGE STRUCTURE.

STRUCTURAL STEEL REPAIR NOTES:

1.

PROVIDE STRUCTURAL STEEL CONFORMING TO AASHTO M270 (ASTM A709), GRADE 50 DESIGNATION, UNLESS SPECIFIED OTHERWISE.
2.

ALL BOLTS SHALL BE 7/8" DIAMETER UNLESS OTHERWISE NOTED. PROVIDE FASTENERS CONFORMING TO AASHTO M164 (ASTM A325) UNLESS OTHERWISE NOTED. PROVIDE NUTS CONFORMING TO AASHTO M219 (ASTM A563) UNLESS OTHERWISE NOTED. PROVIDE HARDENED WASHERS CONFORMING TO AASHTO M293 (ASTM F436) UNLESS OTHERWISE NOTED.
3.

PAINT STRUCTURAL STEEL IN ACCORDANCE WITH SECTION 506 OF THE SUPPLEMENTARY SPECIFICATIONS.
4.

STEEL SURFACES WHERE THE COATING HAS BE REMOVED OR DAMAGED DURING THE EXECUTION OF WORK SHALL BE FIELD PAINTED IN ACCORDANCE WITH SECTION 554 OF THE SUPPLEMENTARY SPECIFICATIONS.
5.

CONTRACTOR MUST COMPLETE EACH REPAIR DETAIL IN ONE CONTINUOUS OPERATION. CONTRACTOR MUST OBTAIN APPROVAL FROM THE RESIDENT ENGINEER OR THE INSPECTOR IN CHARGE BEFORE STARTING A NEW REPAIR.
6.

CLEAN THE FAYING SURFACES OF CONNECTIONS OF ALL STRUCTURAL ELEMENTS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 906.06.02.
7.

WHERE NEW STEEL IS TO BE CONNECTED TO EXISTING STEEL, THE EXISTING SURFACES SHALL BE CLEANED TO BARE STEEL OF ALL PAINT, LOOSE RUST AND OTHER FOREIGN MATERIAL PRIOR TO THE INSTALLATION OF NEW MATERIAL. EXISTING PAINT SHALL BE CLEANED FROM ALL AREAS WITHIN 2 INCHES OF HIGH STRENGTH BOLTS. THE COST FOR THIS CLEANING SHALL BE INCLUDED IN THE COST FOR INSTALLATION OF NEW MATERIAL.
8.

TEMPLATES SHALL BE USED FOR DRILLING NEW HOLES, IN BOTH EXISTING AND NEW MATERIAL, WHENEVER THE NEW HOLES ARE REQUIRED TO MATCH NEW OR EXISTING HOLES IN EXISTING MATERIAL. IF ANY BOLT HOLE AFTER REAMING IS MORE THAN 1/8" LARGER THAN THE NOMINAL SIZE OF BOLT INDICATED ON THE DRAWINGS, THE NEXT LARGER SIZE BOLT SHALL BE USED. THE COST OF REAMING EXISTING RIVET HOLES SHALL BE INCLUDED IN THE PRICE FOR INSTALLING THE NEW MATERIAL. NO ADDITIONAL PAYMENT SHALL BE MADE FOR BOLTS LARGER THAN THE NOMINAL SIZE INDICATED ON THE DRAWINGS. BOLT HOLES IN NEW MATERIAL THAT ARE TO MATCH EXISTING HOLES SHALL BE MADE 1/4" UNDERSIZE IN THE SHOP AND REAMED TO SIZE IN THE FIELD AFTER ALIGNMENT AND ASSEMBLY.
9.

FIELD WELDING IS PLANNED ON THIS PROJECT. FIELD WELDING IS ONLY ALLOWED AT THE LOCATIONS SPECIFIED ON STEEL REPAIR PLANS. WRITTEN AUTHORIZATION MUST BE OBTAINED FROM THE ENGINEER WITH AN APPROVED WELDING PROCEDURE, PRIOR TO ANY UNSPECIFIED WELDING TAKING PLACE IN THE FIELD.

STRUCTURAL STEEL REPAIR NOTES (CONT.):

10.

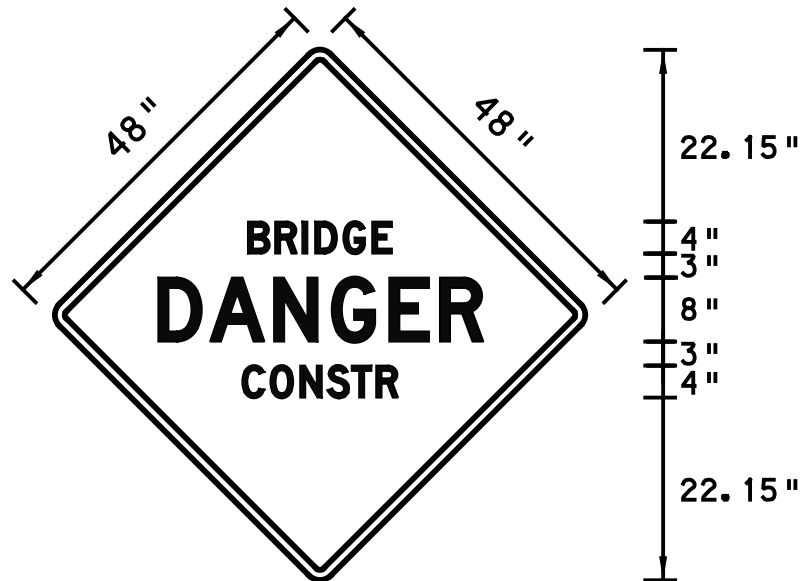
VERIFICATION OF FASTENER TENSIONING SHALL BE CONDUCTED BY INSPECTOR. EACH FASTENER THAT HAS PASSED TENSIONING VERIFICATION SHALL BE MARKED WITH A HIGH VISIBLE MARKER SO VISUAL VERIFICATION CAN READILY BE MADE.
11.

DURING REPAIR OPERATIONS AND DISASSEMBLY OF EXISTING CONNECTIONS, I.E., REMOVAL OF BOLTS AND PLATES, IF AT ANY PLACE CORROSION WITH SECTION LOSS IS OBSERVED, THE ENGINEER SHALL BE NOTIFIED AND CONDITION BE DOCUMENTED. THE ENGINEER WILL DETERMINE IF ADDITIONAL WORK IS REQUIRED TO ADDRESS THE CONDITION.
12.

BASED ON ACTUAL FIELD CONDITIONS AT TIME OF REPAIRS, IF LOCATION CONDITIONS HAVE FURTHER DETERIORATED, CONTACT ENGINEER FOR APPROVAL TO EXPAND REPAIR AREA AND PAY QUANTITIES. DO NOT ADJUST SIZE OF REPAIRS, WITHOUT WRITTEN AUTHORIZATION.
13.

ALL COSTS OF REMOVING EXISTING STEEL AND BOLTS, CLEANING AND PAINTING REPAIRED AREAS, INSTALLING WEB AND FILL PLATES, H.S. BOLTS, DRILLING OR REAMING HOLES IN THE EXISTING STEEL SHALL BE INCLUDED IN THE PAY ITEM "FABRICATED STRUCTURAL STEEL, REPAIRS".
14.

CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS FOR ALL STRUCTURAL STEEL WORK. OVERALL FABRICATION METHODS AND QUALITY CONTROL INSPECTION PROCEDURES SHALL BE INCLUDED AS WRITTEN PROCEDURE SPECIFICATIONS WITH THE SHOP PLAN SUBMISSION.



SPECIAL  
48"X48"  
BACKGROUND: ORANGE  
LEGEND: BLACK  
SERIES D LETTERING  
  
(4 REQUIRED, 2 PER HANDRAIL)  
MARINE WARNING SIGN DETAIL

| BURLINGTON COUNTY BRIDGE COMMISSION  |          |             |           |
|--|----------|-------------|-----------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |          |             |           |
| BRIDGE REHABILITATION  |          |             |           |
| GENERAL NOTES - 1  |          |             |           |
| PENNONI ASSOCIATES INC.  |          |             |           |
| DRAWING NO.  | SCALE    | DATE        | SHEET NO. |
| G-2  | AS SHOWN | AUGUST 2025 | 3 OF 39   |

Design GGB CK' d AR

Drawn GGB CK' d AR

In Charge \_\_\_\_\_

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USER NAME: jdguski

FENDER REPAIR NOTES:

1. THE WORK TO BE PERFORMED UNDER THIS CONTRACT CONSISTS OF THE MAINTENANCE REPAIRS OF THE TIMBER FENDERS AT THE CENTER PIER, PIER A AND PIER B FOR THE RIVERSIDE-DELANCO BRIDGE. THIS WORK SHALL INCLUDE THE FIELD VERIFICATION OF EXISTING DIMENSIONS FOR ORDERING PURPOSES, SUPPLYING, REMOVAL AND REPLACEMENT OF DETERIORATED MEMBERS, AND VEGETATION GROWTH REMOVAL.
2. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT TO EXISTING FENDER SYSTEM MEMBERS AS REQUIRED TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION OPERATIONS. ANY DAMAGE TO THE STRUCTURE AND FENDER DUE TO CONSTRUCTION LOADING SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST AND TO THE SATISFACTION OF THE COMMISSION.
3. REMOVE ALL VEGETATION GROWING FROM THE TIMBER FENDER SYSTEM, FROM THE LOW WATERLINE AND ABOVE. USE PAINT SCRAPER OR OTHER HAND TOOLS AS REQUIRED. VEGETATION GROWTH AND ROOT SYSTEMS ARE EXTENSIVE IN SOME AREAS. THE CONTRACT INCLUDES AN ALLOWANCE IN THE ESTIMATED QUANTITIES FOR ADDITIONAL MEMBERS TO BE REPLACED IN ANTICIPATION THAT ADDITIONAL DAMAGE WILL BE UNCOVERED WHEN THE EXTENSIVE VEGETATION GROWTH IS REMOVED. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL MEMBERS FOUND TO BE SEVERELY DAMAGED BY VEGETATION GROWTH DURING THE CLEANING PROCESS. FINAL ELEMENTS TO BE REPLACED ARE UPON THE DISCRETION OF THE ENGINEER. FOR ALL ELEMENTS THAT ARE TO REMAIN, CUT VEGETATION GROWTH AT THE FACE OF MEMBER, OR AS DIRECTED BY THE ENGINEER. APPLY A MARINE SAFE LIQUID HERBICIDE THAT IS NOT TOXIC TO AQUATIC LIFE AND IN ACCORDANCE WITH N.J.A.C. 7:30-1 ET SEQ. TO TOPS OF EXPOSED MEMBERS TO OBTAIN LONG LASTING VEGETATION KILL. PROPOSED HERBICIDE SHALL BE SUBMITTED TO THE COMMISSION AND REQUIRE APPROVAL.
4. REMOVE AND REPLACE DETERIORATED TIMBER MEMBERS AS INDICATED ON THE PLANS. THESE MEMBERS CONSIST OF TOP LATERAL BRACING, DIAGONAL CROSS BRACING, WALKWAY PLANKS, WALERS, AND TRANSVERSE BRACING (TOP AND BOTTOM). FOR NEW WALERS AND WALKWAY PLANKS, COUNTERSINK ALL MECHANICAL CONNECTIONS ON OUTSIDE FACE OF THE WALERS. NOTE THAT THE OWNER HAS ELECTED NOT TO REPLACE EXISTING DAMAGED OR DETERIORATED PILES. CONTRACTOR SHALL REUSE EXISTING HOLES FOR HARDWARE WHEN POSSIBLE.
5. IN SOME CASES, EXISTING MEMBERS TO REMAIN WILL NEED TO BE STRENGTHENED BEFORE NEW REPLACEMENT MEMBERS CAN BE SECURELY FASTENED TO THEM. USE THE TYPICAL WALKWAY PLANK AND TIER 1 WALER SUPPORT STRENGTHENING DETAIL INDICATED IN THE PLANS. INCIDENTAL ITEMS SUCH AS OVERSIZED WASHERS, STEEL OR WOOD SHIMS AND SPACERS MAY ALSO BE REQUIRED.
6. THE CONTRACTOR IS TO MEASURE THE REQUIRED LENGTH OF EACH TIMBER FOR EXACT FIT.
7. TREAT ALL TIMBER CUTS, BOTH EXISTING AND NEW MEMBERS, WITH TWO COATS OF OIL BASED PRESERVATIVE AND IN ACCORDANCE WITH N.J.A.C. 7:30-1 ET SEQ. PROPOSED PRESERVATIVE SHALL BE SUBMITTED FOR APPROVAL PRIOR TO USE.
8. TREAT ALL BOLTED HOLES WITH TWO COATS OF OIL BASED WOOD PRESERVATIVE AND IN ACCORDANCE WITH N.J.A.C. 7:30-1 ET SEQ.. IF A HOLE IS BORED BY MISTAKE, TREAT THE HOLE LIBERALLY WITH THE PRESERVATIVE AND PLUG HOLE WITH A CAREFULLY SHAPED WOOD PLUG ALSO DRENCHED WITH WOOD PRESERVATIVE. PROPOSED PRESERVATIVE SHALL BE SUBMITTED FOR APPROVAL PRIOR TO USE.
9. REATTACH ALL EXISTING SIGNS, LIGHTING, WIRES, AND MISCELLANEOUS OTHER ATTACHMENTS IN KIND THAT ARE REMOVED FROM THE FENDER SYSTEM DURING CONSTRUCTION OPERATIONS.
10. NEW STANDARD BRIDGE CLEARANCE GAUGE SIGNS SHALL BE INSTALLED AT FOUR (4) LOCATIONS ON THE CENTER PIER. SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE CODE OF FEDERAL REGULATIONS, TITLE 33 - NAVIGATION AND NAVIGABLE WATERWAYS, CHAPTER 1, SUBCHAPTER J, PART 118 AND US COAST GUARD OFFICE OF BRIDGE ADMINISTRATION "BRIDGE LIGHTING AND OTHER SIGNALS" GUIDE AND AS MODIFIED BY DETAIL ON DWG. F-2. CLEARANCE SIGN SHALL SHOW A MINIMUM OF 12' VERTICAL CLEARANCE.

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

BRIDGE PAINTING NOTES:

1. THE WORK TO BE PERFORMED UNDER THIS TASK CONSISTS OF CLEANING AND PAINTING ALL STEEL WORK AND METAL SURFACES ABOVE THE TOPS OF PIERS. ALL BRIDGE RAILINGS TO BE PAINTED.
2. WEIGHT OF STEEL TO BE PAINTED: THE APPROXIMATE WEIGHT OF METAL WORKED TO BE CLEANED AND PAINTED IS 800 TONS. THE APPROXIMATE WEIGHT IS AS SHOWN ON THE ORIGINAL CONSTRUCTION PLANS FOR THE BRIDGE. THE CONTRACTOR IS ADVISED THAT A PORTION OF THE ORIGINAL BRIDGE MEMBERS MAY HAVE BEEN MODIFIED DURING REPAIR, ALTERATION OR MAINTENANCE PROJECTS IN YEARS SUBSEQUENT TO THE ORIGINAL CONSTRUCTION OF THE BRIDGE. THEREFORE, THE APPROXIMATE WEIGHT GIVEN IS NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL DETERMINE BY HIS OWN MEANS AND TO HIS OWN SATISFACTION THE NATURE, QUANTITY, EXTENT AND CONDITION OF METAL WORK TO BE CLEANED AND PAINTED.
3. THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTAINMENT PLAN THAT DETAILS THE CONTRACTOR'S PROCEDURES TO AVOID ANY MATERIAL OR DEBRIS DROPPING FROM THE BRIDGE. INCLUDE CONTAINMENT FOR SAND BLASTING AND POWER WASHING DEBRIS, AND PAINT OVERCOATING SPRAY. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER FOR CONTAINMENT PROCEDURE PRIOR TO THE START OF THE WORK. PROTECTIVE SHIELDING SHALL NOT IMPEDE OPERATION OF THE BRIDGE.

ABBREVIATIONS:

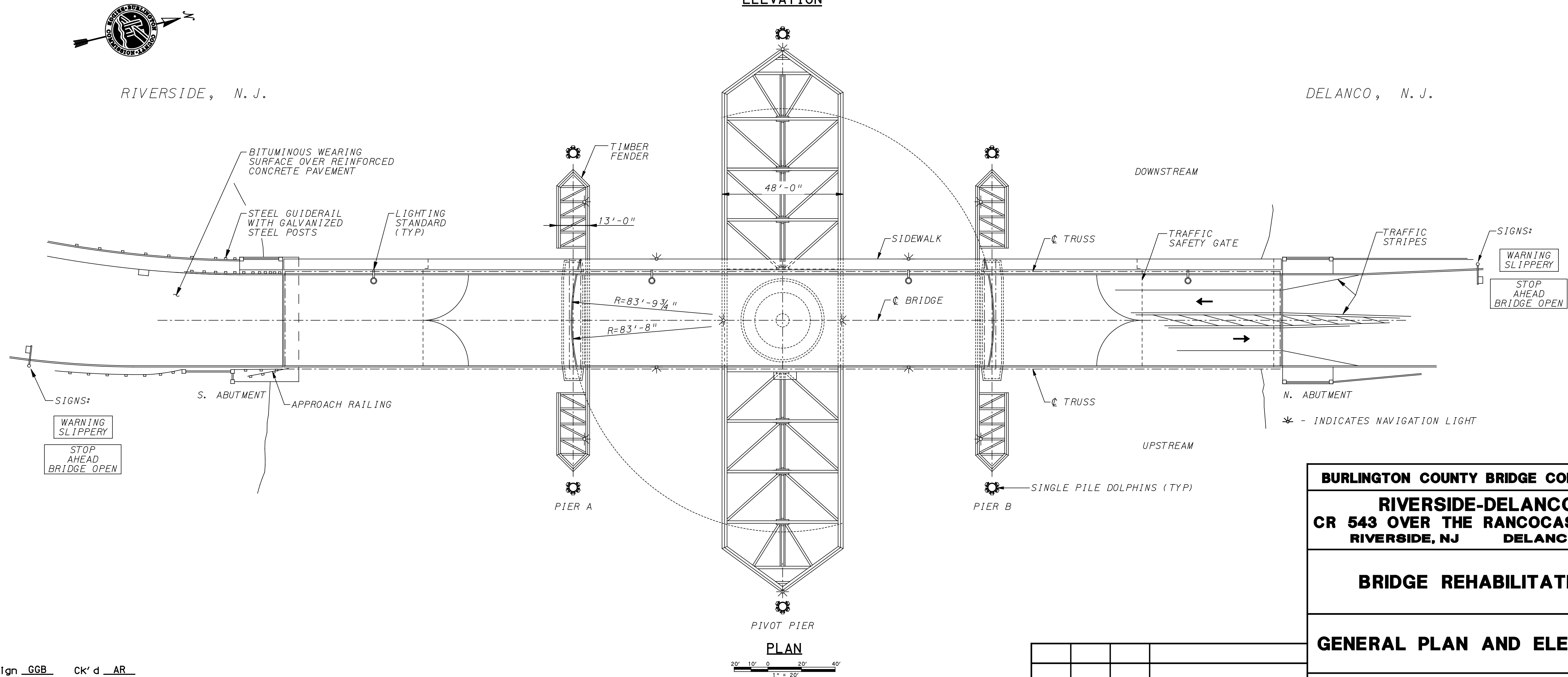
|        |   |                       |
|--------|---|-----------------------|
| ABUT   | = | ABUTMENT              |
| B.     | = | BACK                  |
| BIT.   | = | BITUMIMOUS            |
| BOT    | = | BOTTOM                |
| BRGS   | = | BEARINGS              |
| C.     | = | CENTER                |
| CL     | = | CENTERLINE            |
| CLR    | = | CLEARANCE             |
| CONC.  | = | CONCRETE              |
| CB     | = | CROSS BEAM            |
| DIA    | = | DIAMETER              |
| EF     | = | EACH FACE             |
| EXIST. | = | EXISTING              |
| GALV   | = | GALVANIZED            |
| MAX    | = | MAXIMUM               |
| MIN    | = | MINIMUM               |
| M.H.W. | = | MEAN HIGH WATER       |
| M.L.W. | = | MEAN LOW WATER        |
| N.     | = | NORTH                 |
| N.T.S. | = | NOT TO SCALE          |
| PL     | = | PLATE                 |
| R      | = | RADIUS                |
| SDWK.  | = | SIDEWALK              |
| SPA    | = | SPACES/SPACED/SPACING |
| S.     | = | SOUTH                 |
| TRANS  | = | TRANSVERSE            |
| TYP    | = | TYPICAL               |

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| DRAWING NO.<br>G-3 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>4 OF 39 |

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| BURLINGTON COUNTY BRIDGE COMMISSION  |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |
| BRIDGE REHABILITATION  |
| GENERAL NOTES - 2  |
| PENNONI ASSOCIATES INC.  |

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Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



| BURLINGTON COUNTY BRIDGE COMMISSION   |          |             |           |
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| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |          |             |           |
| BRIDGE REHABILITATION   |          |             |           |
| GENERAL PLAN AND ELEVATION  |          |             |           |
| PENNONI ASSOCIATES INC.   |          |             |           |
| DRAWING NO.   | SCALE    | DATE        | SHEET NO. |
| G-4   | AS SHOWN | AUGUST 2025 | 5 OF 39   |

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Drawn GGB CK'd AR  
In Charge \_\_\_\_\_

| ESTIMATED QUANTITIES - STEEL REPAIRS |      |      |                                 |  |
|--------------------------------------|------|------|---------------------------------|--|
| REPAIR NO.                           | QTY  | UNIT | LOCATION                        | DESCRIPTION                                  |
| R1                                   | 70   | L.B. | DELANCO SPAN, L4 AND L4'        | REPLACE WEST BOLSTER                         |
| R2                                   | 160  | L.B. | SWING SPAN, L10                 | REPAIR ANGLE AND TOP FLANGE                  |
| R3                                   | 1    | E.A. | DELANCO SPAN, L2                | REPAIR CLOSURE PLATE SUPPORTING ANGLE        |
| R4                                   | 16   | E.A. | SWING SPAN, L6-L8 AND L10-L8'   | REPAIR BOTTOM RAILING                        |
| R5                                   | 20   | L.B. | SWING SPAPN, LOS1               | REPAIR TRIANGULAR STIFFENER                  |
| R6                                   | 260  | L.B. | DELANCO SPAN, LO' S6            | REPAIR STRINGER                              |
| R7                                   | 4    | E.A. | SWING SPAN, L8S3                | REPAIR CRACKED WELD                          |
| R8                                   | 4    | E.A. | SWING SPAN, LOW                 | REPAIR TOP MOUNTING BOLTS ON BEARING         |
| R9                                   | 2    | E.A. | RIVERSIDE SPAN, L4'             | REPLACE BOLTS AT CANTILEVER CONNECTION       |
| R10                                  | 1    | E.A. | RIVERSIDE SPAN, L2' and L2      | REPAIR CRACKED WELD                          |
| R11                                  | 2    | E.A. | SWING SPAN, L4W                 | REPLACE BOLTS                                |
| R12                                  | 40   | L.B. | RIVERSIDE SPAN, LO' W AND LO' E | REPLACE TRIAGNULAR STIFFENER                 |
| R13                                  | 330  | L.B. | SWING SPAN, L8' W and L8W       | REPAIR TRUSS MEMBER                          |
| R14                                  | 145  | L.B. | RIVERSIDE SPAN, LO' W           | REPAIR TRUSS MEMBER                          |
| R15                                  | 100  | L.B. | SWING SPAN, LO' W AND LO' E     | REPLACE MOUNTING BOLT WEDGES AND GUIDE PLATE |
| R16                                  | 1000 | L.B. | SWING SPAN, STEEL               | FABRICATED STRUCTURAL STEEL                  |
|                                      | 60   | C.F. | SWING SPAN, PPC                 | POLYESTER POLYMER CONCRETE (PPC) PLACEMENT   |
|                                      | 20   | S.Y. | SWING SPAN, OVERLAY REMOVAL     | BITUMINOUS OVERLAY REMOVAL                   |

| ESTIMATED QUANTITIES - BRIDGE PAINTING |      |                |                                 |
|--|------|----------------|---------------------------------|
| QTY                                    | UNIT | LOCATION       | DESCCRIPTION                    |
| 18,000                                 | S.F. | RIVERSIDE SPAN | PAINTING SURFACE AREA           |
| 18,000                                 | S.F. | DELANCO SPAN   | PAINTING SURFACE AREA           |
| 26,000                                 | S.F. | SWING SPAN     | PAINTING SURFACE AREA           |
| 1                                      | L.S. | SWING SPAN     | MACHINERY PAINTING SURFACE AREA |

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| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                      |
|--|-------------------|---------------------|----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                      |
| BRIDGE REHABILITATION  |                   |                     |                      |
| REPAIR SCHEDULE AND<br>ESTIMATED QUANTITIES - 1                                  |                   |                     |                      |
| PENNONI ASSOCIATES INC.  |                   |                     |                      |
| DRAWING NO.<br>G-5   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>6 OF 39 |



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In Charge \_\_\_\_\_

- \* QUANTITY APPROXIMATELY INCLUDES AN ADDITIONAL 50% FOR DETERIORATION IDENTIFIED DURING VEGETATION REMOVAL. THIS IS NOT A CONTINGENCY - IT IS INTENDED TO BE USED DURING THE CONTACT AT THE DIRECTION OF THE ENGINEER.
- \*\*TABLE OF APPROXIMATE TIMBER FENDER MECHANICAL FASTENERS REQUIRED IS FOR INFORMATION ONLY. VERIFY QUANTITIES PRIOR TO ORDERING MATERIALS.
- PROVIDE BOLTS AND BOLTING MATERIAL IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS, SECTION 908, AND AS MODIFIED BY THE PROJECT SPECIFICATIONS.
- GALVANIZE ALL FENDER STEEL AND CONNECTION HARDWARE IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS, SECTION 908 AND AS MODIFIED BY THE PROJECT SPECIFICATIONS.

- STRUCTURAL STEEL FENDER CONNECTION PLATES SHALL CONFORM TO ASTM A36.
- PROVIDE SOLID SAWN TIMBERS FOR ALL TIMBER COMPONENTS, SOUTHERN YELLOW PINE MARINE GRADE NO. 1 WITH TREATMENTS IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATION 915 AND AS MODIFIED BY THE PROJECT SPECIFICATION. SIMILAR TIMBER OPTIONS MAY BE USED UPON APPROVAL BY THE COMMISSION. COMPLY WITH AASHTO M133 AND AWPA STANDARDS.
- PROVIDE TIMBER WHICH HAS BEEN EITHER GRADED OR TESTED AND CERTIFIED WITH AN ALLOWABLE BENDING STRESS RATING; Fb = 1,200 P.S.I.
- PROVIDE TIMBER DRIED TO MAXIMUM MOISTURE CONTENT OF 19% AND INCLUDE "S-DRY" OR SIMILAR INDICATION IN GRADE MARKING OR CERTIFICATION.
- SIZE AND SPACING OF MECHANICAL FASTENERS TO MATCH EXISTING PATTERNS.

ESTIMATED QUANTITIES - FENDER REPAIRS

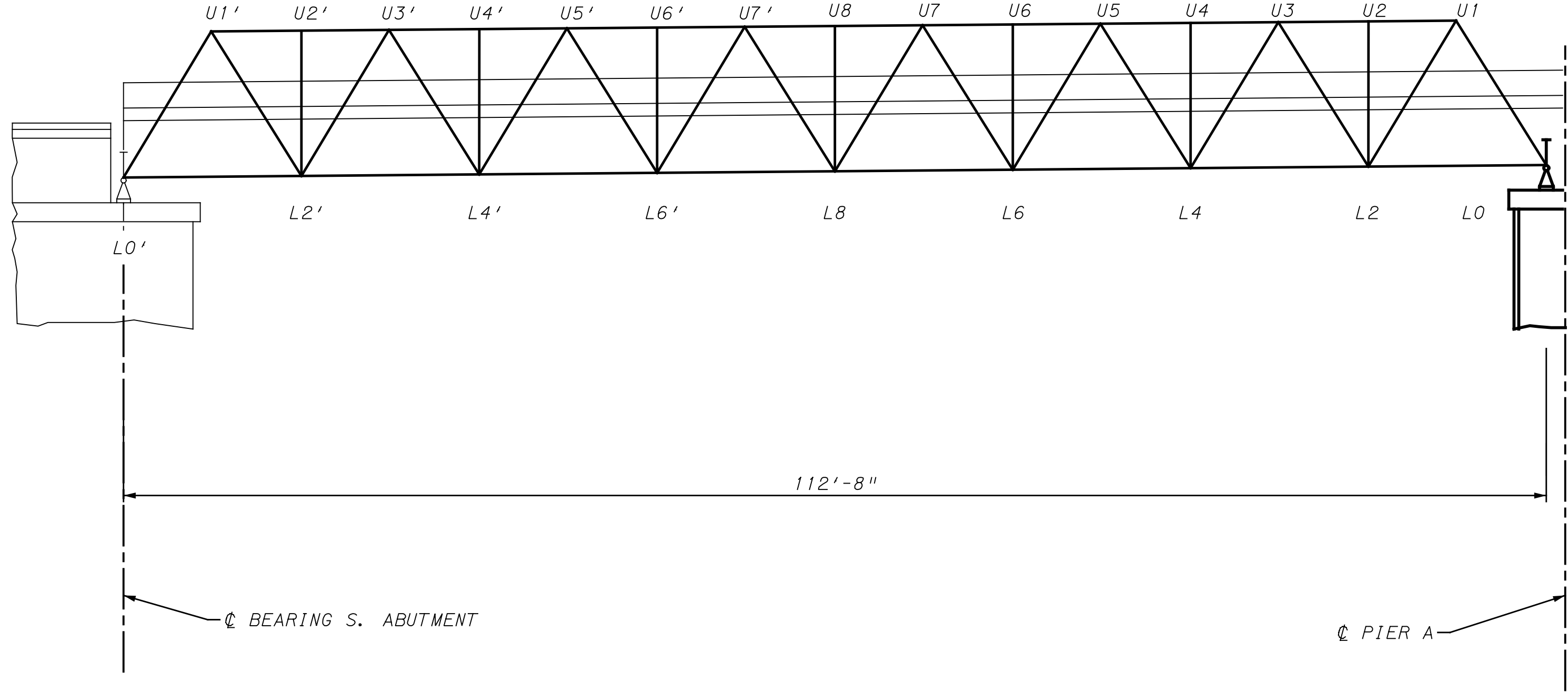
| PIER A - TABLE OF APPROXIMATE QUANTITIES TIMBER MEMBERS TO BE REPLACED* |          |            | PIER B - TABLE OF APPROXIMATE QUANTITIES TIMBER MEMBERS TO BE REPLACED * |          |            | CENTER PIER - TABLE OF APPROXIMATE QUANTITIES TIMBER MEMBERS TO BE REPLACED * |           |            |
|---|----------|------------|--|----------|------------|---|-----------|------------|
| ITEM DESCRIPTION  | QUANTITY | BOARD FEET | ITEM DESCRIPTION   | QUANTITY | BOARD FEET | ITEM DESCRIPTION  | QUANTITY  | BOARD FEET |
| 12"Ø TIMBER PILE (45'-0"+/- LENGTH)                                     | —        | —          | 12"Ø TIMBER PILE (45'-0"+/- LENGTH)                                      | —        | —          | 12"Ø TIMBER PILE (45'-0"+/- LENGTH)   | —         | —          |
| 3"x12" TIMBER TOP LATERAL BRACING                                       | 50 L.F.  | 150        | 3"x12" TIMBER TOP LATERAL BRACING  | 20 L.F.  | 60         | 6"x12" TIMBER TOP LATERAL BRACING   | 350 L.F.  | 3150       |
| 3"x12" TIMBER DIAGONAL BRACING  | 180 L.F. | 540        | 3"x12" TIMBER DIAGONAL BRACING   | 65 L.F.  | 195        | 4"x12" TIMBER DIAGONAL BRACING  | 1300 L.F. | 5200       |
| 6"x12" TIMBER WALKWAY PLANKS  | 215 L.F. | 1290       | 6"x12" TIMBER WALKWAY PLANKS   | 240 L.F. | 1440       | 3"x12" TIMBER WALKWAY PLANKS  | 860 L.F.  | 2580       |
| 6"x12" TIMBER WALERS  | 175 L.F. | 1050       | 6"x12" TIMBER WALERS   | 320 L.F. | 1920       | 6"x12" TIMBER WALERS  | 55Ø L.F.  | 3300       |
| 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)                               | 250 L.F. | 1500       | 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)                                | 90 L.F.  | 540        | 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)                                     | 165 L.F.  | 990        |
| 12"x12" TIMBER TRANSVERSE BRACING (TOP)                                 | 110 L.F. | 1320       | 12"x12" TIMBER TRANSVERSE BRACING (TOP)                                  | 20 L.F.  | 240        | 12"x12" TIMBER TRANSVERSE BRACING (TOP)                                       | 75 L.F.   | 900        |
| 6"x12" TIMBER FISH PLATES (ASSUME 6 PILES)                              | 48 L.F.  | 144        | 6"x12" TIMBER FISH PLATES (ASSUME 6 PILES)                               | 24 L.F.  | 144        | 6"x12" TIMBER FISH PLATES (ASSUME 12 PILES)                                   | 48 L.F.   | 288        |
| 3"x12" TIMBER SUPPORT FOR WALKWAY PLANKS (ASSUME 4 BAYS @ 5 L.F./BAY)   | 20 L.F.  | 60         | 3"x12" TIMBER SUPPORT FOR WALKWAY PLANKS (ASSUME 4 BAYS @ 5 L.F./BAY)    | 20 L.F.  | 60         | 3"x12" TIMBER SUPPORT FOR WALKWAY PLANKS (ASSUME 8 BAYS @ 5 L.F./BAY)         | 40 L.F.   | 120        |
| 6"x12" TIMBER BLOCKING (ASSUME 6 PILES @ 2 L.F./PILE)                   | 12 L.F.  | 72         | 6"x12" TIMBER BLOCKING (ASSUME 6 PILES @ 2 L.F./PILE)                    | 12 L.F.  | 72         | 6"x12" TIMBER BLOCKING (ASSUME 12 PILES @ 2 L.F./PILE)                        | 24 L.F.   | 144        |

| PIER A - TABLE OF APPROXIMATE QUANTITIES TIMBER FENDER MECHANICAL FASTENERS ** |   |          | PIER B - TABLE OF APPROXIMATE QUANTITIES TIMBER FENDER MECHANICAL FASTENERS ** |   |          | CENTER PIER - TABLE OF APPROXIMATE QUANTITIES TIMBER FENDER MECHANICAL FASTENERS ** |   |          |
|--|---|----------|--|---|----------|---|---|----------|
| MEMBER   | FASTENER TYPE   | QUANTITY | MEMBER   | FASTENER TYPE   | QUANTITY | MEMBER  | FASTENER TYPE   | QUANTITY |
| 3"x12" TIMBER TOP LATERAL BRACING  | 1/2"x8" LAG SCREWS WITH WASHERS   | 20       | 3"x12" TIMBER TOP LATERAL BRACING  | 1/2"x8" LAG SCREWS WITH WASHERS   | 210      | 6"x12" TIMBER TOP LATERAL BRACING   | 1/2"x8" LAG SCREWS WITH WASHERS   | 100      |
| 3"x12" TIMBER DIAGONAL BRACING   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 70       | 3"x12" TIMBER DIAGONAL BRACING   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 25       | 4"x12" TIMBER DIAGONAL BRACING  | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 415      |
| 3"x12" TIMBER WALKWAY PLANKS   | 1/2"x8" LAG SCREWS WITH WASHERS (MIN. 2 LAGS EVERY 3'-Ø")                                 | 150      | 3"x12" TIMBER WALKWAY PLANKS   | 1/2"x8" LAG SCREWS WITH WASHERS (MIN. 2 LAGS EVERY 3'-Ø")                                 | 120      | 3"x12" TIMBER WALKWAY PLANKS  | 1/2"x8" LAG SCREWS WITH WASHERS (MIN. 2 LAGS EVERY 3'-Ø")                                 | 290      |
| 6"x12" TIMBER WALERS   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 150      | 6"x12" TIMBER WALERS   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 180      | 6"x12" TIMBER WALERS  | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 210      |
| 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)                                      | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 85       | 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)                                      | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 30       | 6"x12" TIMBER TRANSVERSE BRACING (BOTTOM)   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, COUNTER SINK OUTSIDE FACE                            | 55       |
| 12"x12" TIMBER BUILT-UP TRANSV. TOP BRACING                                    | CONNECT EACH 6"x12" TIMBER MEMBER TO TOP OF PILE WITH 3/4" GALV. STEEL DRIFT PINS         | 40       | 12"x12" TIMBER BUILT-UP TRANSV. TOP BRACING                                    | CONNECT EACH 6"x12" TIMBER MEMBER TO TOP OF PILE WITH 3/4" GALV. STEEL DRIFT PINS         | 10       | 12"x12" TIMBER BUILT-UP TRANSV. TOP BRACING   | CONNECT EACH 6"x12" TIMBER MEMBER TO TOP OF PILE WITH 3/4"Ø GALV. STEEL DRIFT PINS        | 20       |
|  | RE-CONNECT EXIST. 3"x12" TIMBER DIAGONAL BRACING. USE 3/4"Ø GALV. BOLT, HEX NUT & WASHERS | 20       |  | RE-CONNECT EXIST. 3"x12" TIMBER DIAGONAL BRACING. USE 3/4"Ø GALV. BOLT, HEX NUT & WASHERS | 5        |   | RE-CONNECT EXIST. 4"x12" TIMBER DIAGONAL BRACING. USE 3/4"Ø GALV. BOLT, HEX NUT & WASHERS | 10       |
| 6"x12" TIMBER FISH PLATES (ASSUME 6 PILES)                                     | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (ASSUME 3 BOLTS PER PILE)                            | 18       | 6"x12" TIMBER FISH PLATES (ASSUME 6 PILES)                                     | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (ASSUME 3 BOLTS PER PILE)                            | 18       | 6"x12" TIMBER FISH PLATES (ASSUME 12 PILES)   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (ASSUME 3 BOLTS PER PILE)                            | 36       |
| 3"x12" TIMBER SUPPORTS FOR WALKWAY PLANKS                                      | 1/2"x5" LAG SCREWS WITH WASHERS FOR 6"x12" TIMBER FISH PLATES                             | 16       | 3"x12" TIMBER SUPPORTS FOR WALKWAY PLANKS                                      | 1/2"x5" LAG SCREWS WITH WASHERS FOR 6"x12" TIMBER FISH PLATES                             | 16       | 3"x12" TIMBER SUPPORTS FOR WALKWAY PLANKS   | 1/2"x5" LAG SCREWS WITH WASHERS FOR 6"x12" TIMBER FISH PLATES                             | 32       |
| 6"x12" TIMBER BLOCKING   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (INCIDENTAL TO WALER 3/4"Ø BOLTS)                    | 12       | 6"x12" TIMBER BLOCKING   | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (INCIDENTAL TO WALER 3/4"Ø BOLTS)                    | 12       | 6"x12" TIMBER BLOCKING  | 3/4"Ø GALV. BOLT, HEX NUT & WASHERS, (INCIDENTAL TO WALER 3/4"Ø BOLTS)                    | 24       |
| REFASTEN EXIST. STEEL BENT PLATE (AT NOSES)                                    | LAG SCREWS WITH WASHERS SAME SIZE & SPA. AS EXIST.  | 24       | REFASTEN EXIST. STEEL BENT PLATE (AT NOSES)                                    | LAG SCREWS WITH WASHERS SAME SIZE & SPA. AS EXIST.  | 12       | REFASTEN EXIST. STEEL BENT PLATE (AT NOSES)   | LAG SCREWS WITH WASHERS SAME SIZE & SPA. AS EXIST.  | 90       |

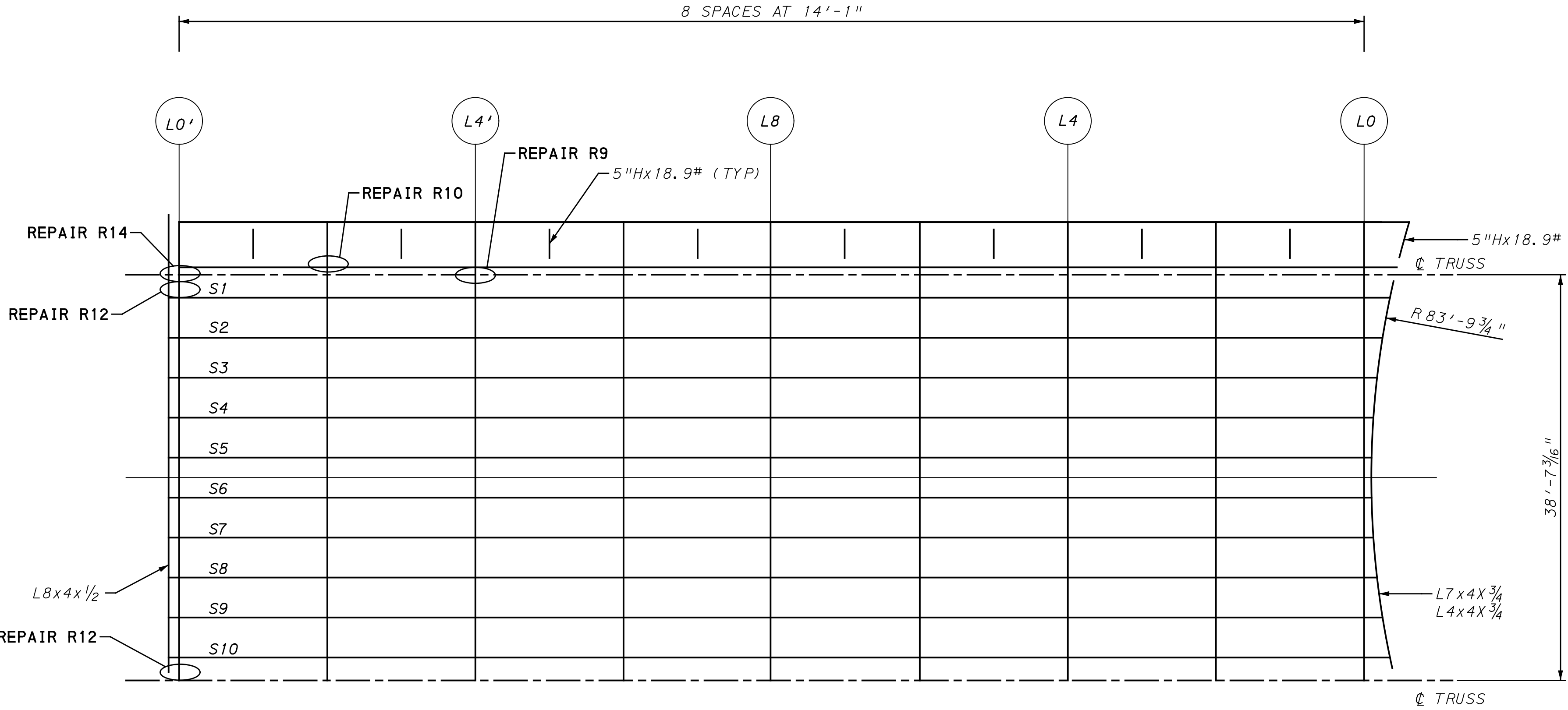
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| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                      |
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| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ                      DELANCO, NJ |                   |                     |                      |
| BRIDGE REHABILITATION   |                   |                     |                      |
| REPAIR SCHEDULE AND<br>ESTIMATED QUANTITIES - 2   |                   |                     |                      |
| PENNONI ASSOCIATES INC.   |                   |                     |                      |
| DRAWING NO.<br>G-6  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>7 OF 39 |

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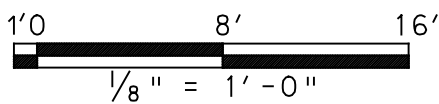


ELEVATION



RIVERSIDE SPAN

FRAMING PLAN



- REFERENCE NOTES:
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
  - FOR REPAIR R9, SEE SHEET 20.
  - FOR REPAIR R10, SEE SHEET 21.
  - FOR REPAIR R12, SEE SHEET 23.
  - FOR REPAIR R14, SEE SHEET 26.

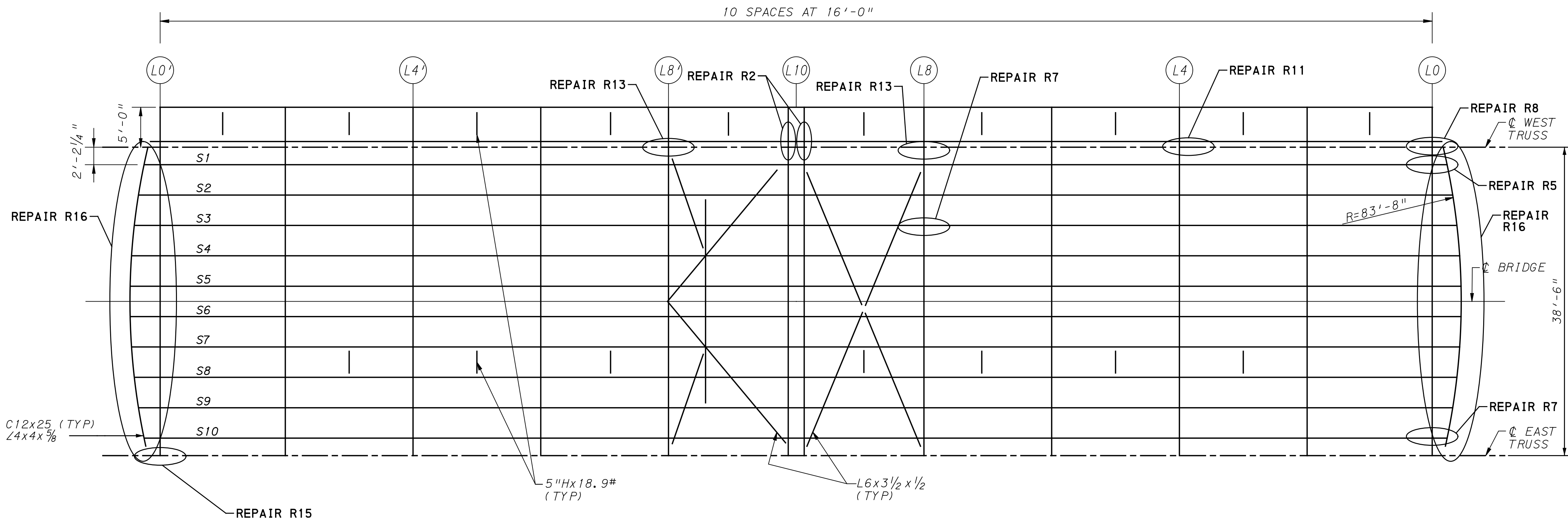
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| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                      |
| BRIDGE REHABILITATION  |                   |                     |                      |
| GENERAL REPAIR LOCATION<br>PLAN - 1  |                   |                     |                      |
| PENNONI ASSOCIATES INC.  |                   |                     |                      |
| DRAWING NO.<br>G-7   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>8 OF 39 |

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In Charge \_\_\_\_\_

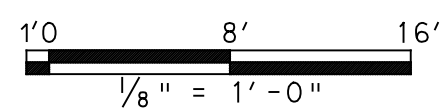
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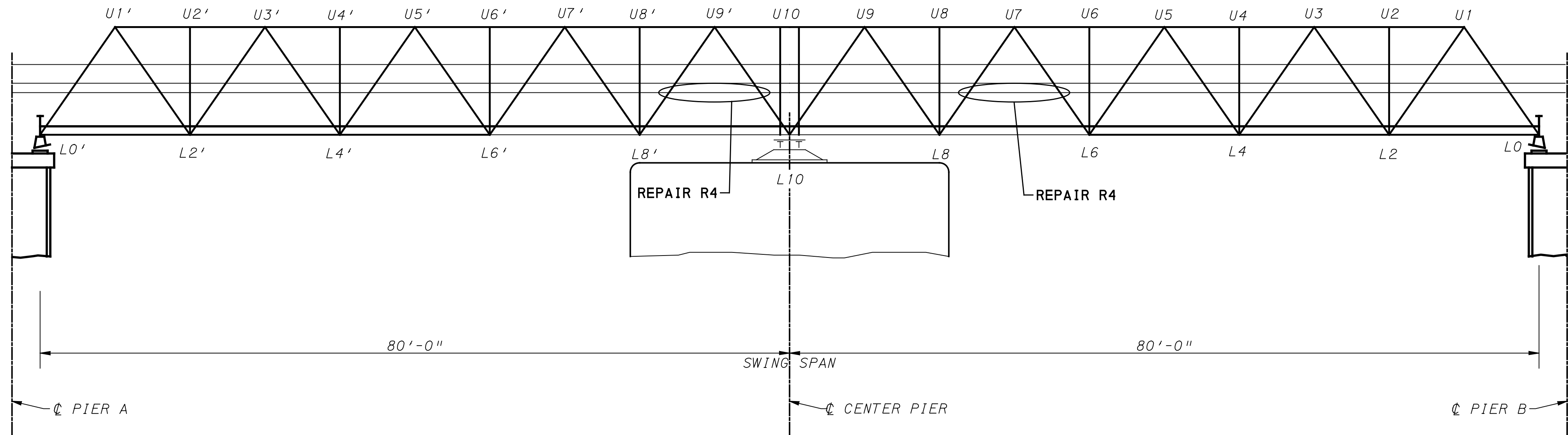
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



**SWING SPAN  
FRAMING PLAN**



**ELEVATION**



**REFERENCE NOTES:**

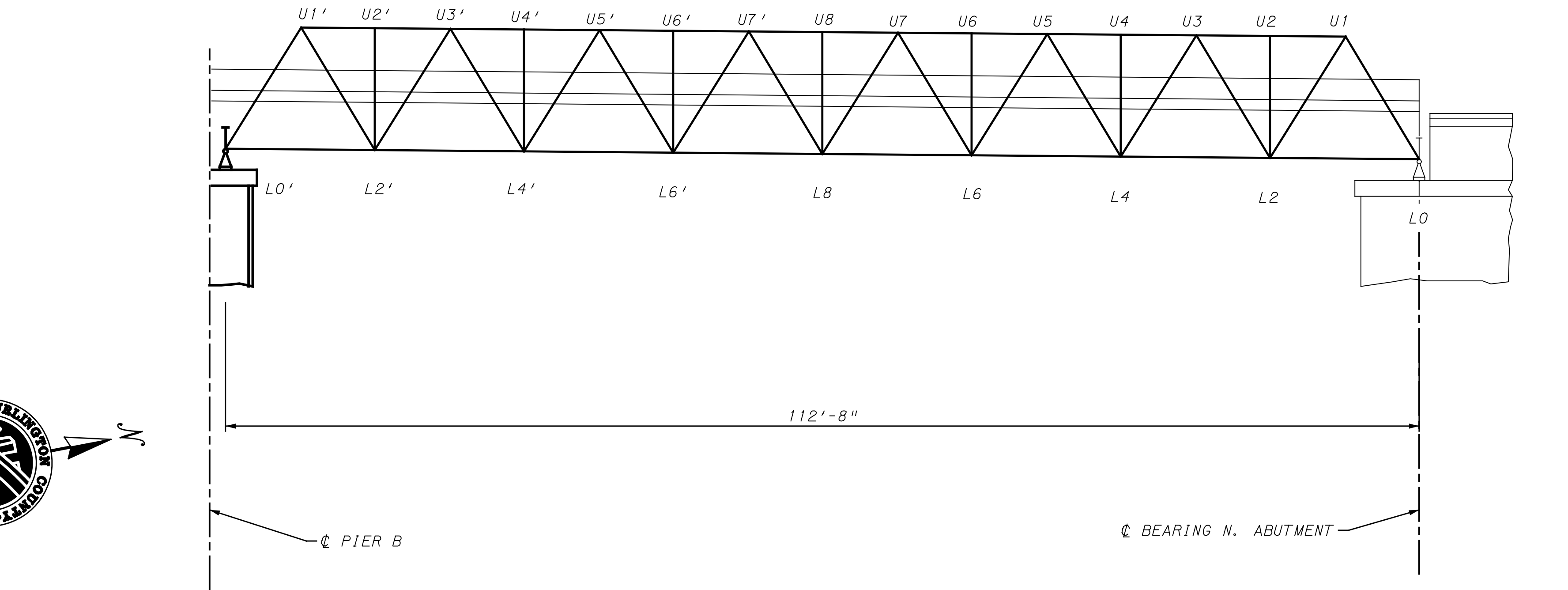
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR REPAIR R2, SEE SHEET 13.
- FOR REPAIR R4, SEE SHEET 15.
- FOR REPAIR R5, SEE SHEET 16.
- FOR REPAIR R7, SEE SHEET 18.
- FOR REPAIR R8, SEE SHEET 19.
- FOR REPAIR R11, SEE SHEET 22.
- FOR REPAIR R13, SEE SHEET 24.
- FOR REPAIR R15, SEE SHEET 27.
- FOR REPAIR R16, SEE SHEET 28.

| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                      |
|--|-------------------|---------------------|----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                      |
| BRIDGE REHABILITATION  |                   |                     |                      |
| GENERAL REPAIR LOCATION<br>PLAN - 2  |                   |                     |                      |
| PENNONI ASSOCIATES INC.  |                   |                     |                      |
| DRAWING NO.<br>G-8   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>9 OF 39 |

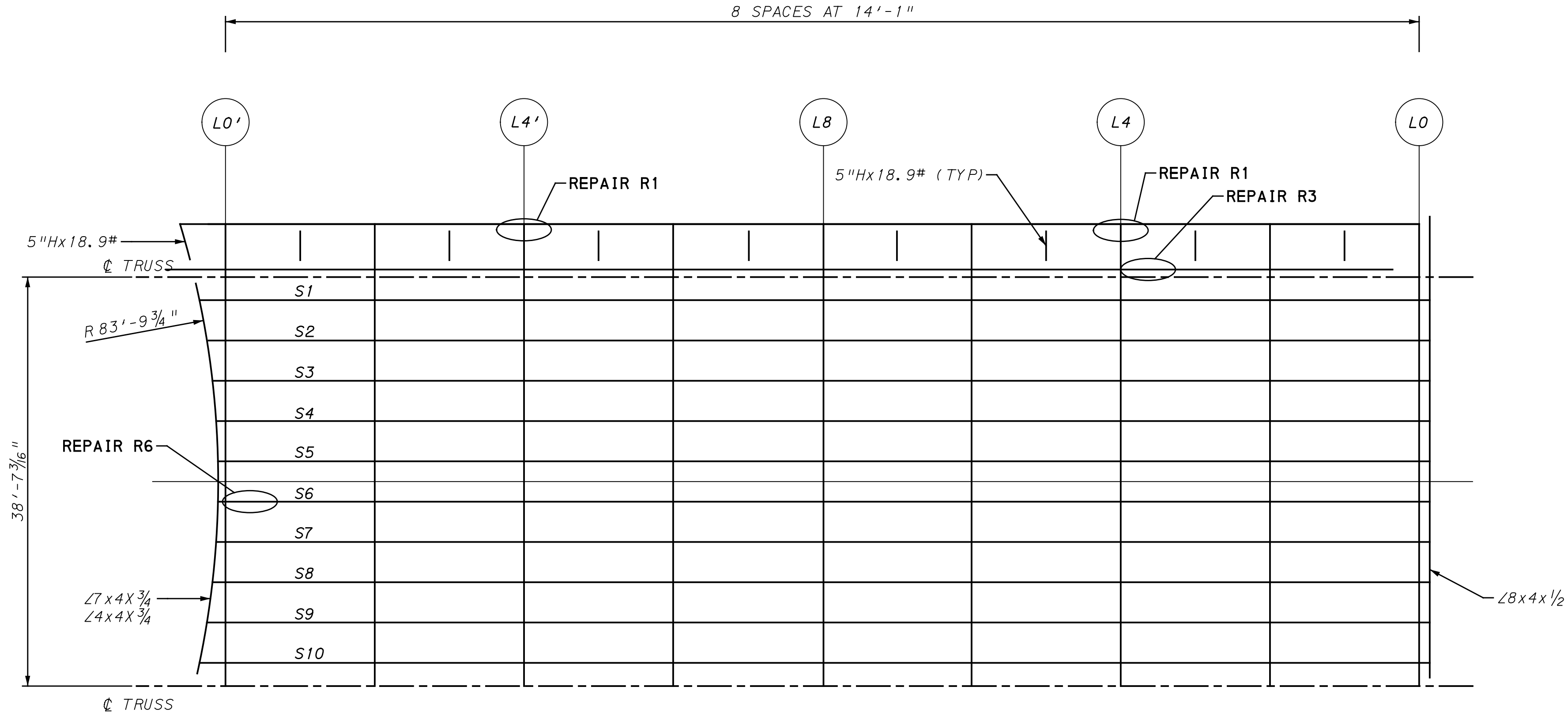
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

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DATE PLOTTED: 8/8/2025 8:02:03 AM  
USER NAME: jdguski

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

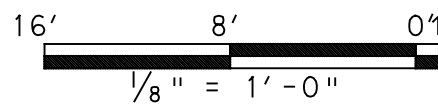


ELEVATION



DELANCO SPAN

FRAMING PLAN



REFERENCE NOTES:

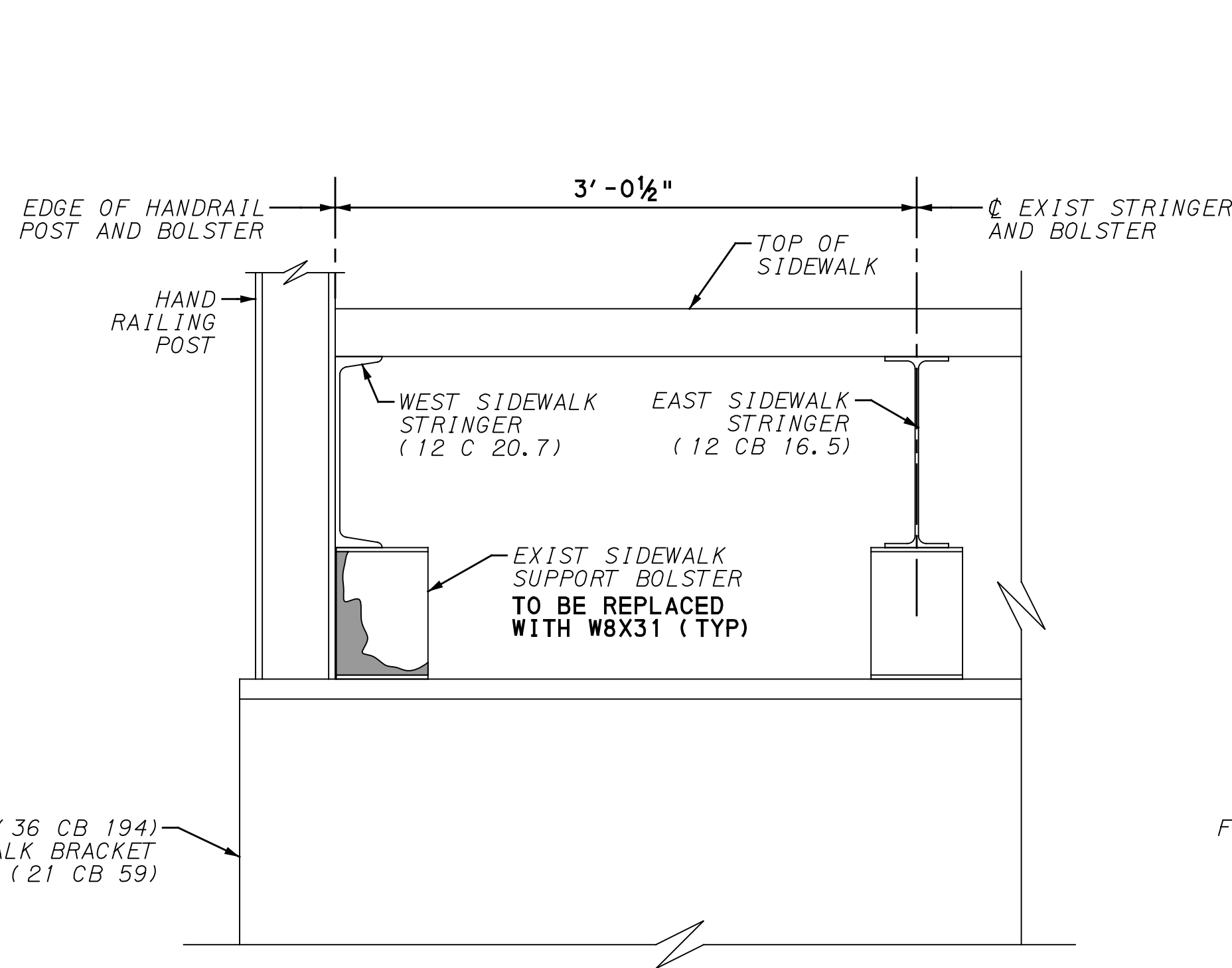
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR REPAIR R1, SEE SHEET 11.
- FOR REPAIR R3, SEE SHEET 14.
- FOR REPAIR R6, SEE SHEET 17.

| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| GENERAL REPAIR LOCATION<br>PLAN - 3  |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>G-9   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>10 OF 39 |

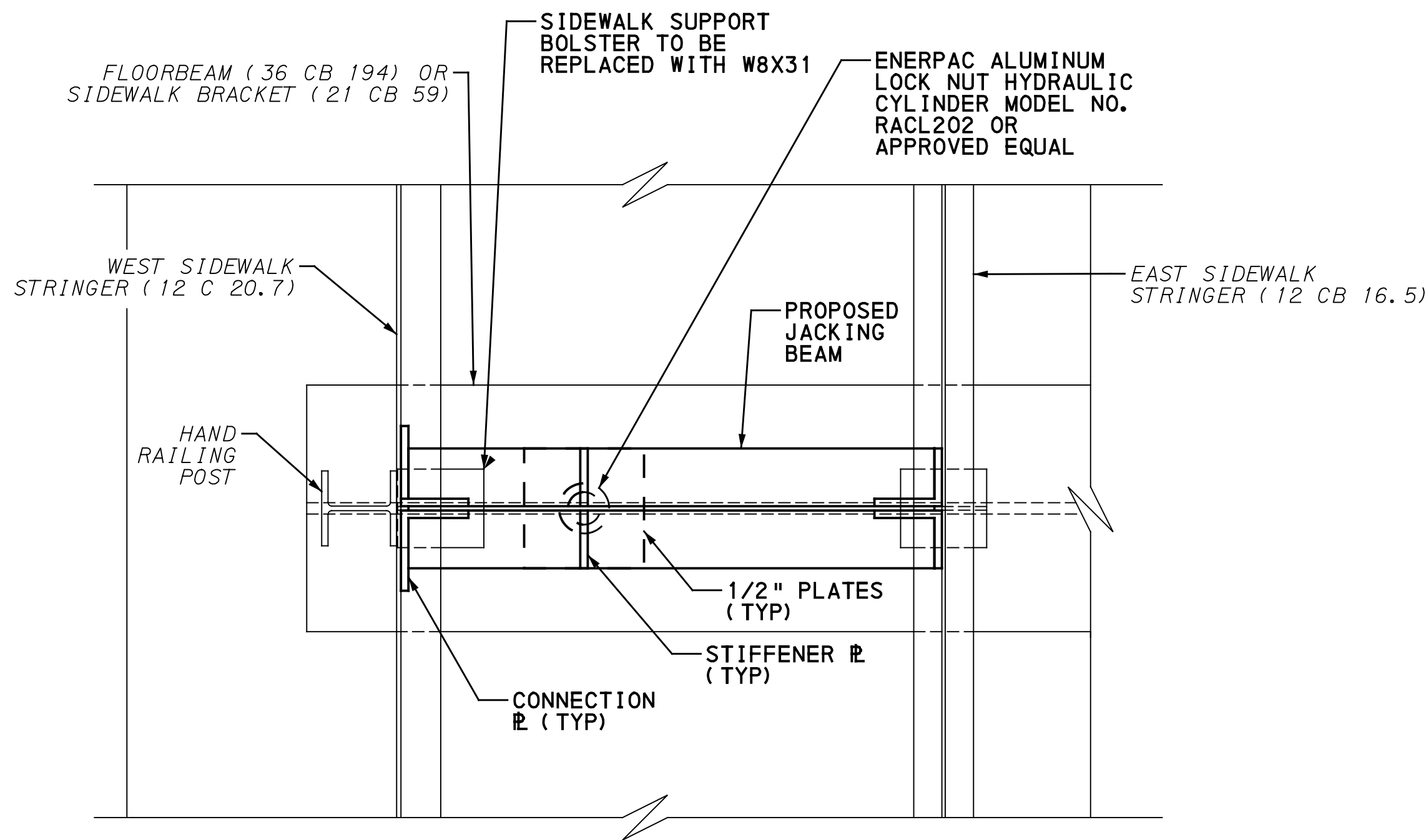
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|-----------|----|------|-------------|
| REVISIONS |    |      |             |



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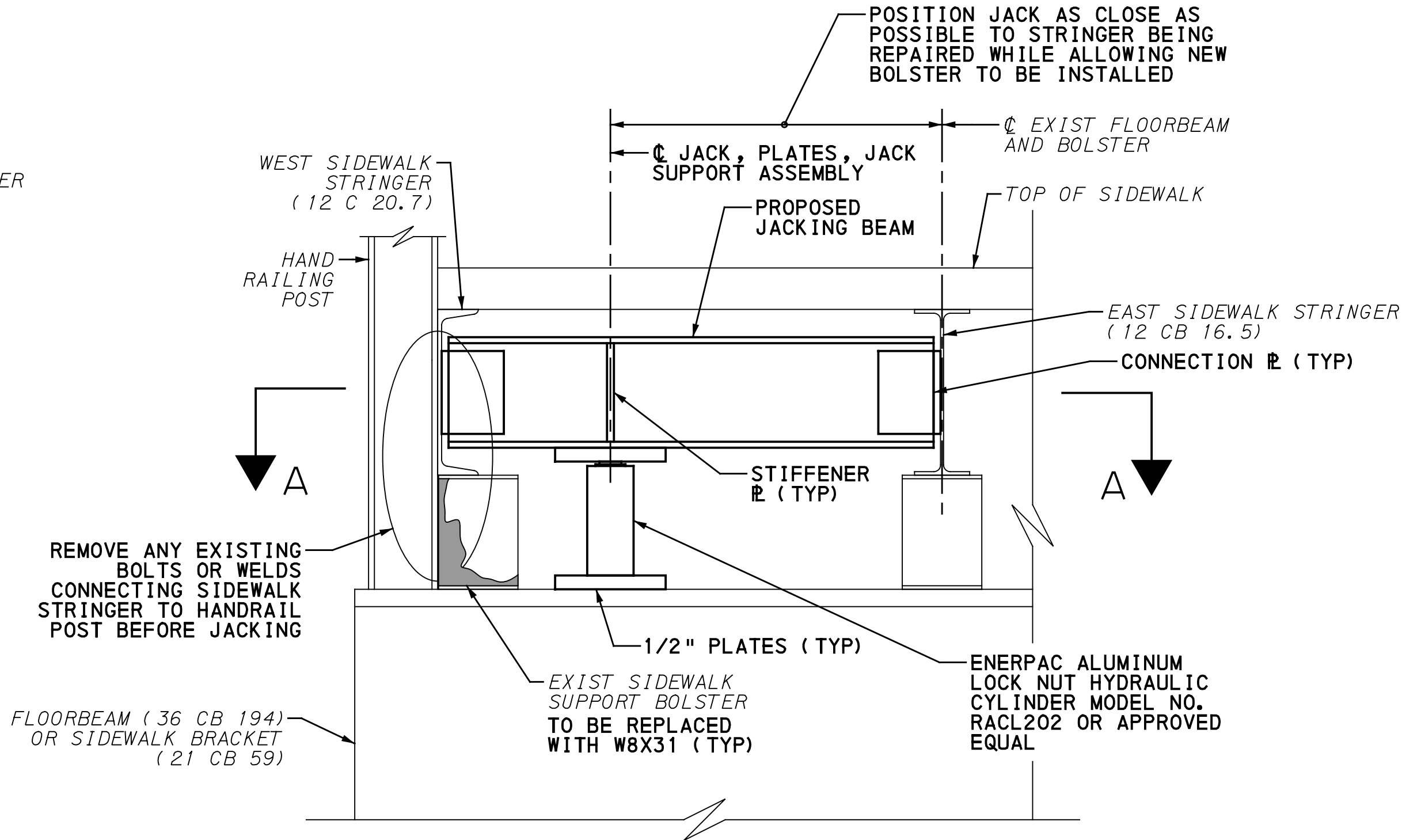


**EXISTING SIDEWALK STRINGER  
BOLSTER ELEVATION**  
(LOOKING NORTH)  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"



**SECTION A-A**  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



**JACKING BEAM SCHEMATIC SIDEWALK  
STRINGER BOLSTER ELEVATION**  
(LOOKING NORTH)  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"



**DEFECT PHOTO**

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

**JACKING NOTES:**

- SUBMIT THE JACKING NARRATIVE AND CALCULATIONS IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS. DO NOT BEGIN JACKING OR SET UP JACKING PEDESTALS UNTIL APPROVAL OF SUBMISSION IS RECEIVED.
- ALTERNATE JACKING DETAILS MAY BE SUBMITTED BY THE CONTRACTOR.
- DO NOT ALLOW PEDESTRIAN LOADING ON THE SIDEWALK DURING JACKING.
- INSTALL TEMPORARY JACKING BEAM.
- DO NOT JACK STRINGERS MORE THAN 1/16" VERTICALLY AT ALL LOCATIONS.
- DO NOT JACK MORE THAN ONE STRINGER AT A TIME.
- IMMEDIATELY AFTER JACKING, TRANSFER LOADS TO BLOCKS OR JACK STANDS OR LOCK OFF JACKS.
- DO NOT LOWER STRINGERS UNTIL THE BOLSTER INSTALLATION IS COMPLETE TO THE SATISFACTION OF THE ENGINEER.

**NOTES:**

- CONTRACTOR TO FIELD VERIFY LIMITS OF EXISTING CORROSION AND SECTION LOSS PRIOR TO ORDERING OR FABRICATING MATERIALS.
- CLEAN AND PAINT EXISTING STEEL IN ACCORDANCE WITH SECTION 554 OF THE SUPPLEMENTAL SPECIFICATIONS PRIOR TO INSTALLING NEW REPAIR SIDEWALK STRINGER BOLSTERS.
- APPLY CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL TO FILL PITTED AREAS OF SIDEWALK STRINGERS AND FLOORBEAMS PRIOR TO INSTALLING NEW REPAIR SIDEWALK STRINGER BOLSTERS.
- CONTRACTOR TO DETERMINE HEIGHT OF JACKING PEDESTAL AFTER SELECTING AN APPROPRIATE JACK.

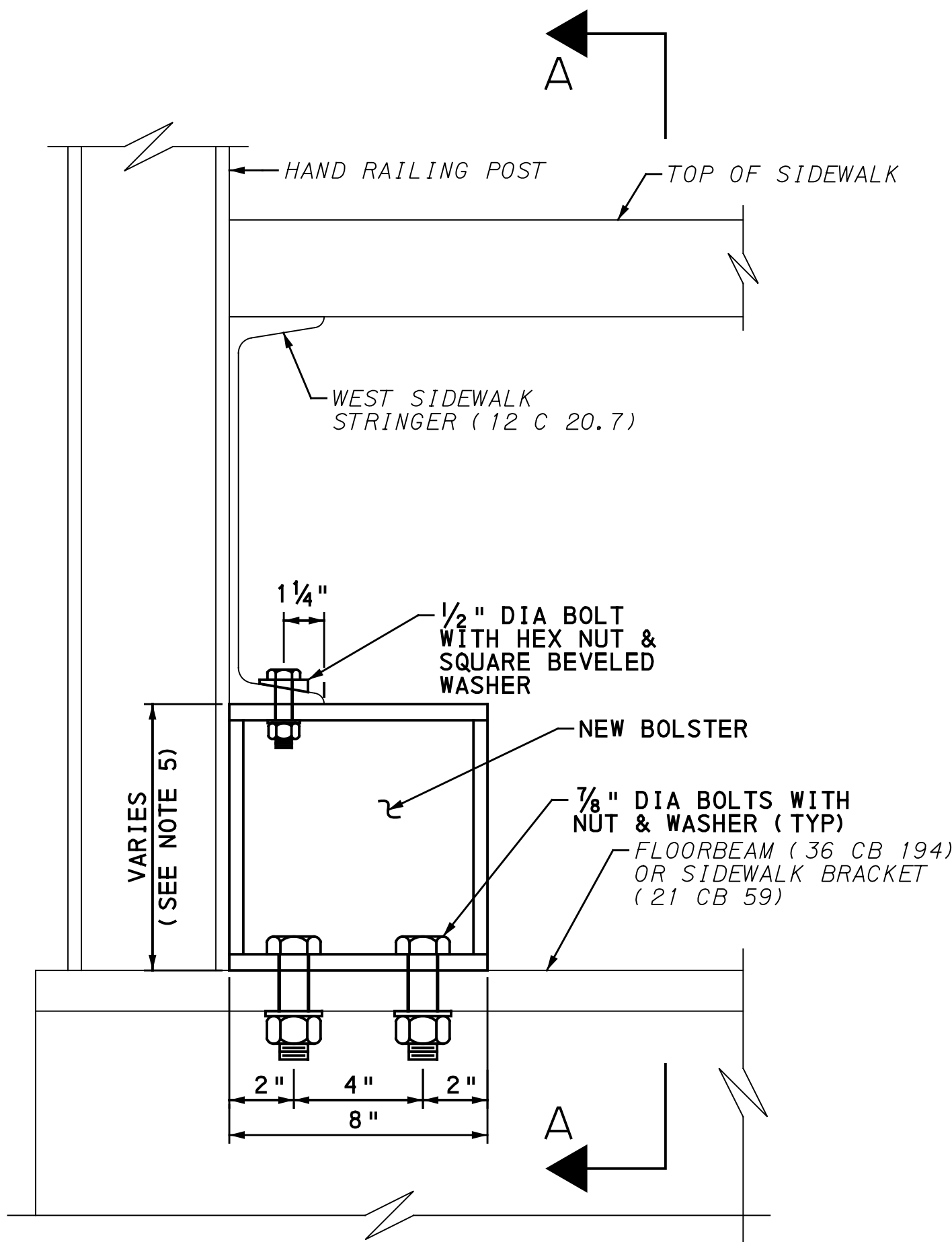
**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR PROPOSED BOLSTER CONNECTION DETAILS, SEE SHEET 12.
- FOR JACKING PEDESTAL DETAILS, SEE SHEET 12.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 10.

**LEGEND:**

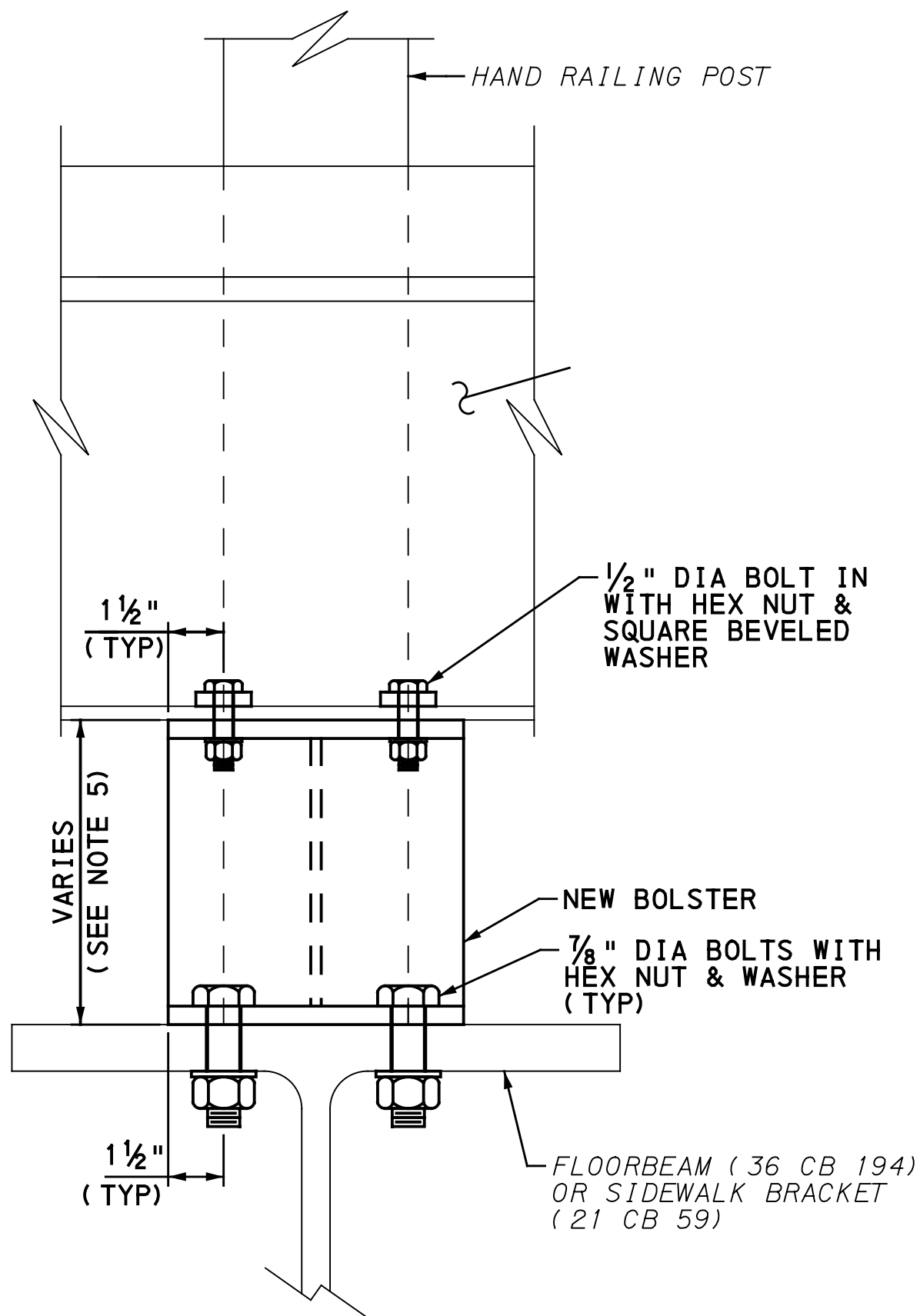
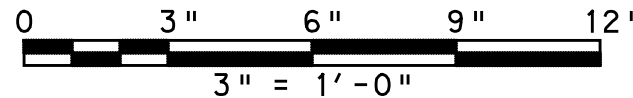
 EXISTING PARTIAL SECTION LOSS

| BURLINGTON COUNTY BRIDGE COMMISSION   |          |             |           |
|---|----------|-------------|-----------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |          |             |           |
| BRIDGE REHABILITATION   |          |             |           |
| R1 - DELANCO SPAN BOLSTER<br>REPLACEMENT DETAILS - 1                            |          |             |           |
| PENNONI ASSOCIATES INC.   |          |             |           |
| DRAWING NO.   | SCALE    | DATE        | SHEET NO. |
| S-1   | AS SHOWN | AUGUST 2025 | 11 OF 39  |

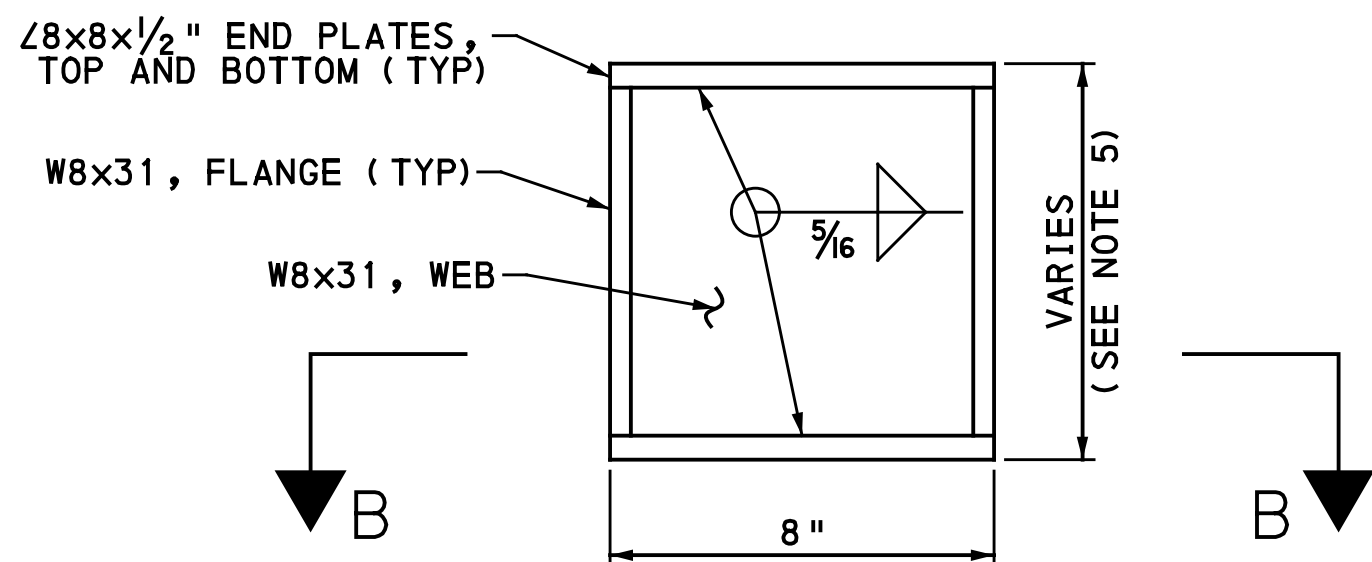
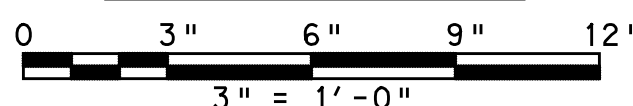


**WEST SIDEWALK STRINGER  
BOLSTER CONNECTION DETAIL**

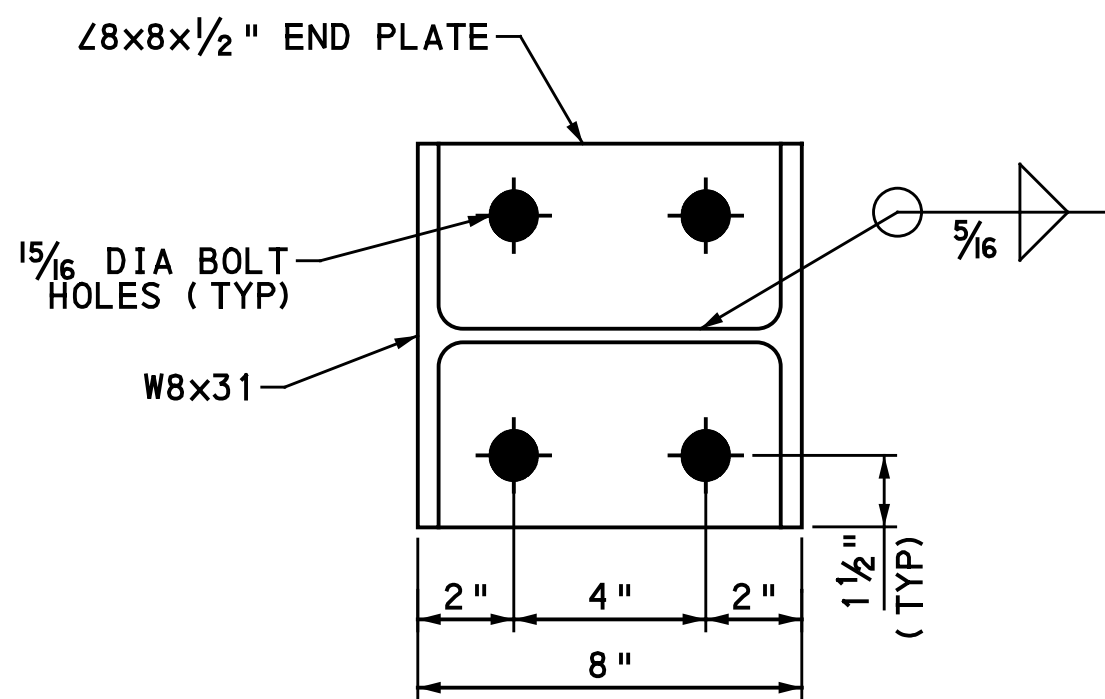
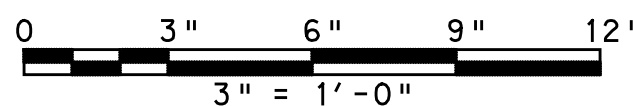
(LOOKING NORTH)



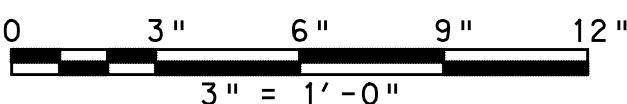
**SECTION A-A**



**NEW BOLSTER  
TYPICAL DETAIL  
ELEVATION**



**NEW BOLSTER  
SECTION B-B**



**NOTES:**

- CONTRACTOR TO FIELD VERIFY LIMITS OF EXISTING CORROSION AND SECTION LOSS PRIOR TO ORDERING OR FABRICATING MATERIALS.
- CLEAN AND PAINT EXISTING STEEL IN ACCORDANCE WITH SECTION 554 OF THE SUPPLEMENTAL SPECIFICATIONS PRIOR TO INSTALLING NEW REPAIR SIDEWALK STRINGER BOLSTERS.
- APPLY CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL TO FILL PITTED AREAS OF SIDEWALK STRINGERS AND FLOORBEAMS PRIOR TO INSTALLING NEW REPAIR SIDEWALK STRINGER BOLSTERS.
- ALL BOLTS SHALL BE A325 AND GALVANIZED.
- REQUIRED BOLSTER HEIGHT SHALL BE MEASURED IN THE FIELD TO ENSURE FULL CONTACT BETWEEN SIDEWALK STRINGER, NEW BOLSTER, AND FLOORBEAM.

**LEGEND**

 PROPOSED BOLT

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 10.

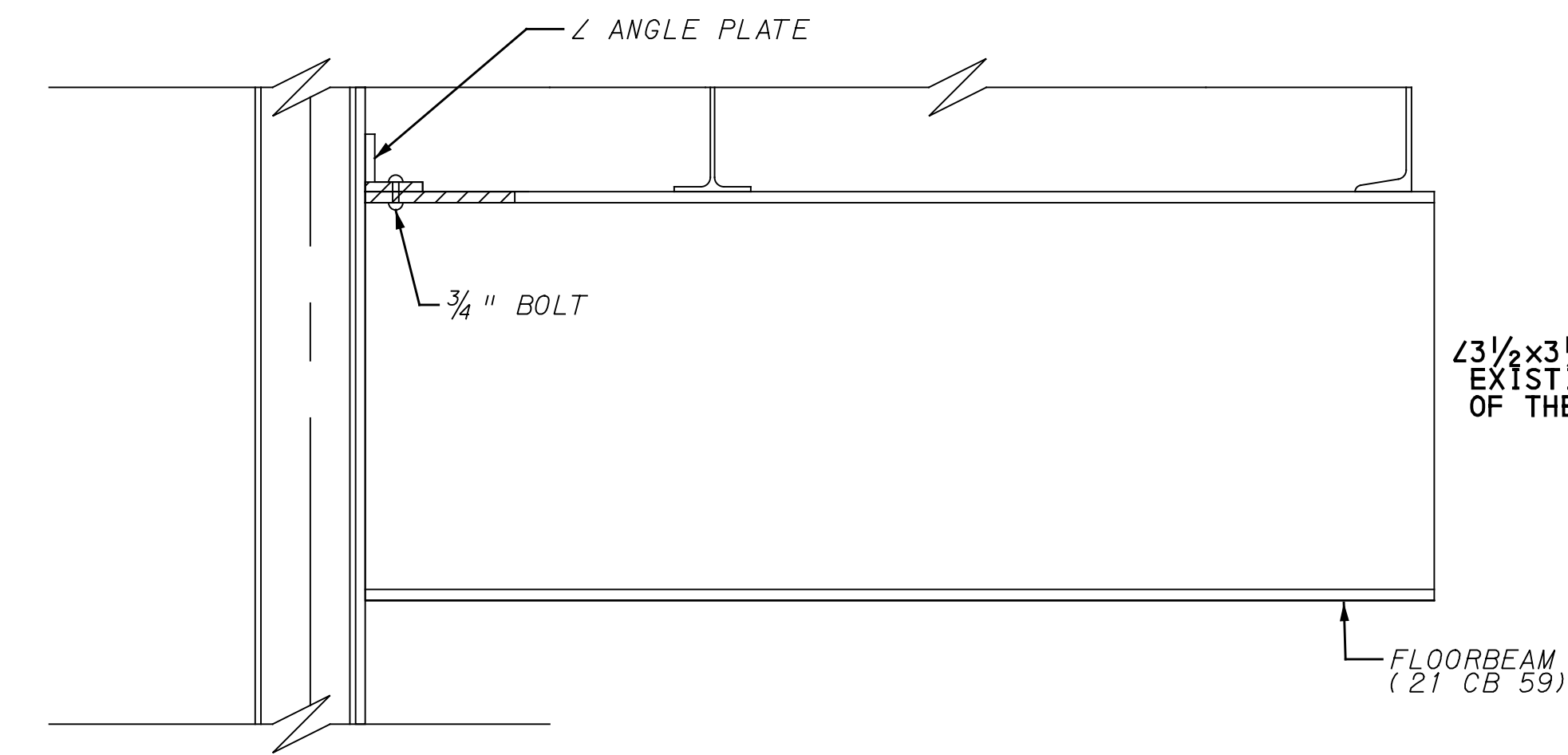
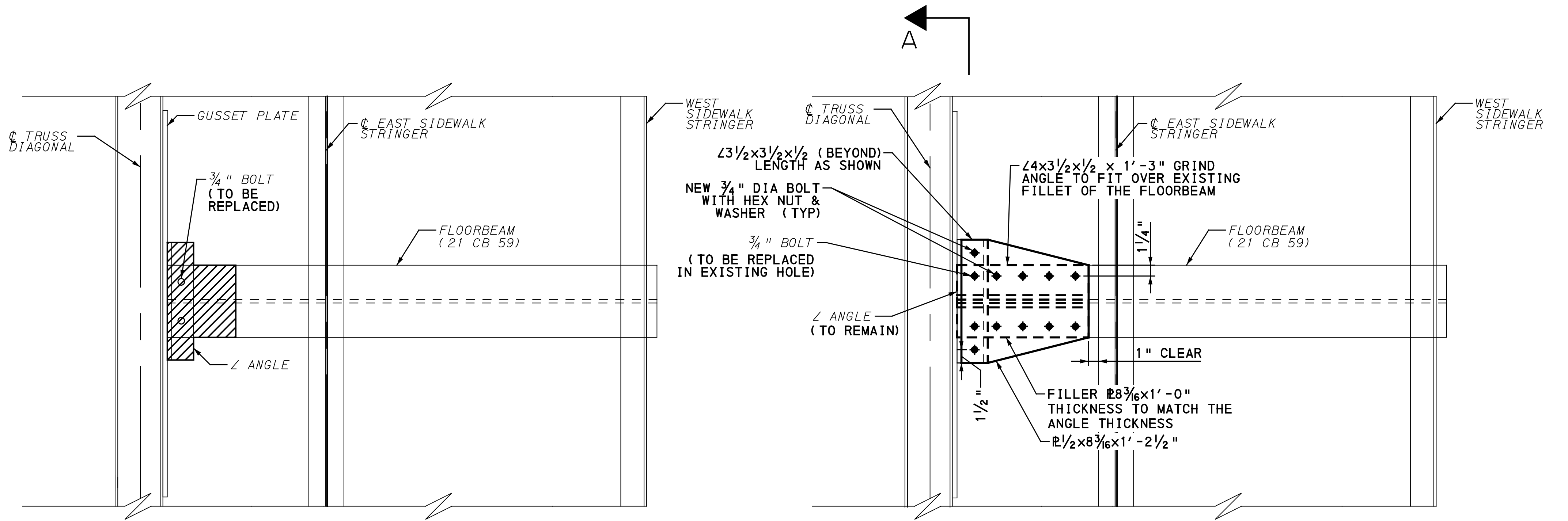
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R1 - DELANCO SPAN L4W<br>BOLSTER REPLACEMENT<br>DETAILS - 2                      |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-2   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>12 OF 39 |

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

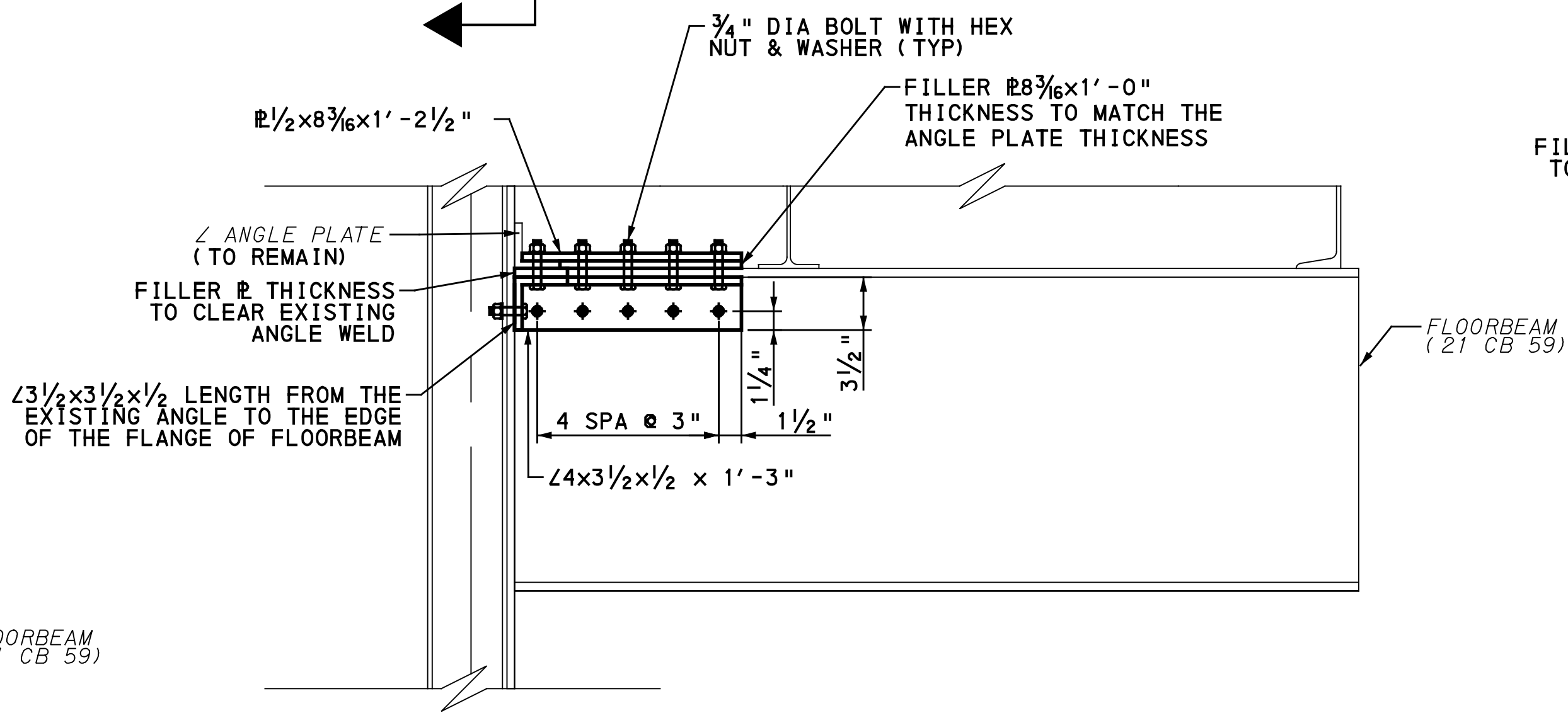
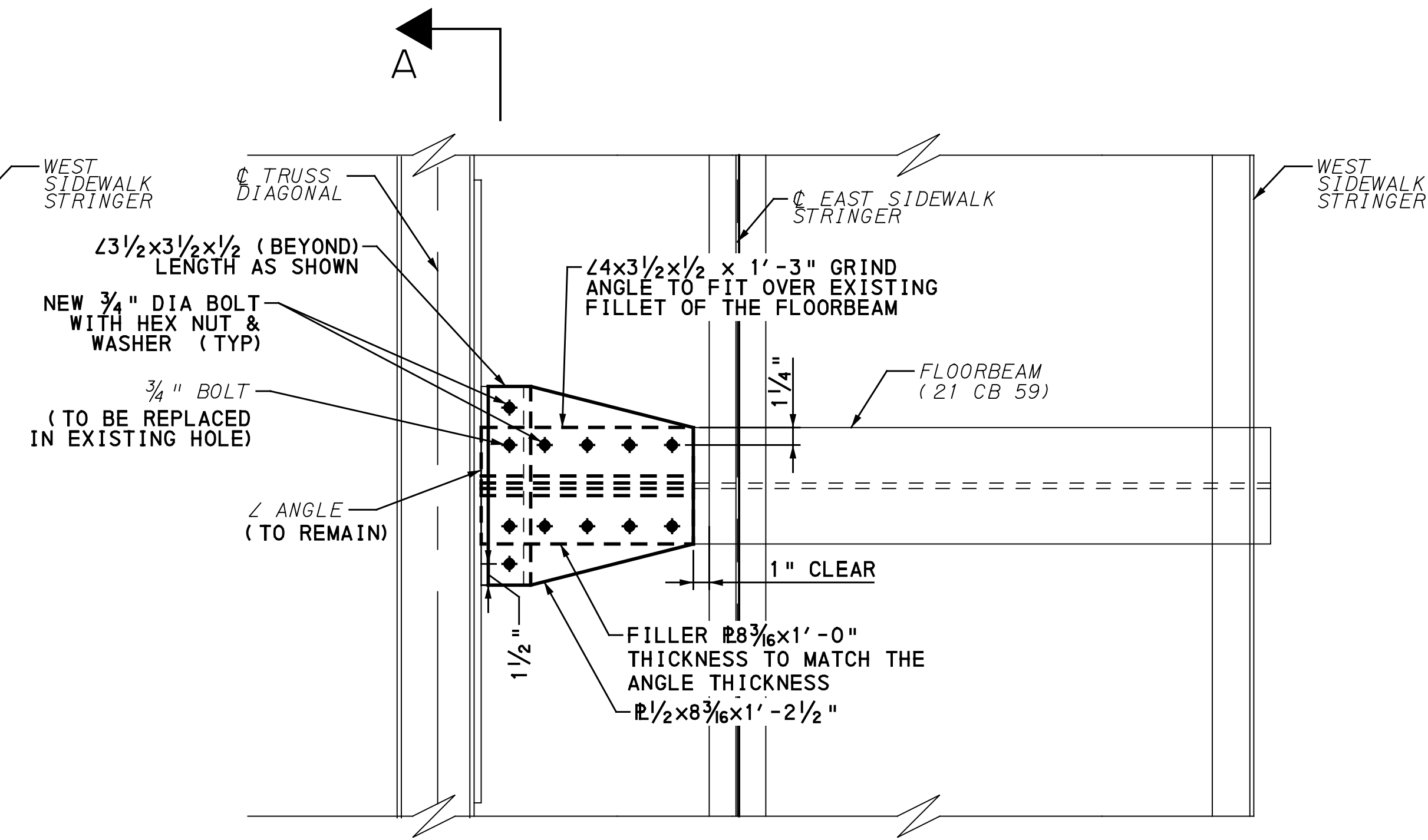
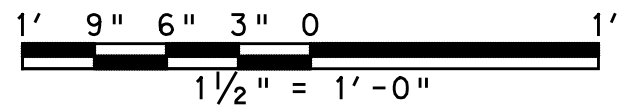
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USER NAME: jdguski

Design GGB CK'd AR  
Drawn GGB CK'd AR  
In Charge \_\_\_\_\_

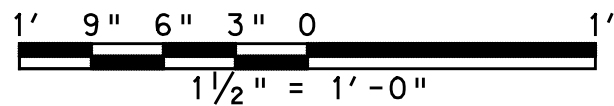
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DATE PLOTTED: 8/6/2025 8:02:27 AM  
USER NAME: jdguski



EXISTING VIEW



PROPOSED REPAIR



RECOMMENDED ORDER OF CONSTRUCTION:

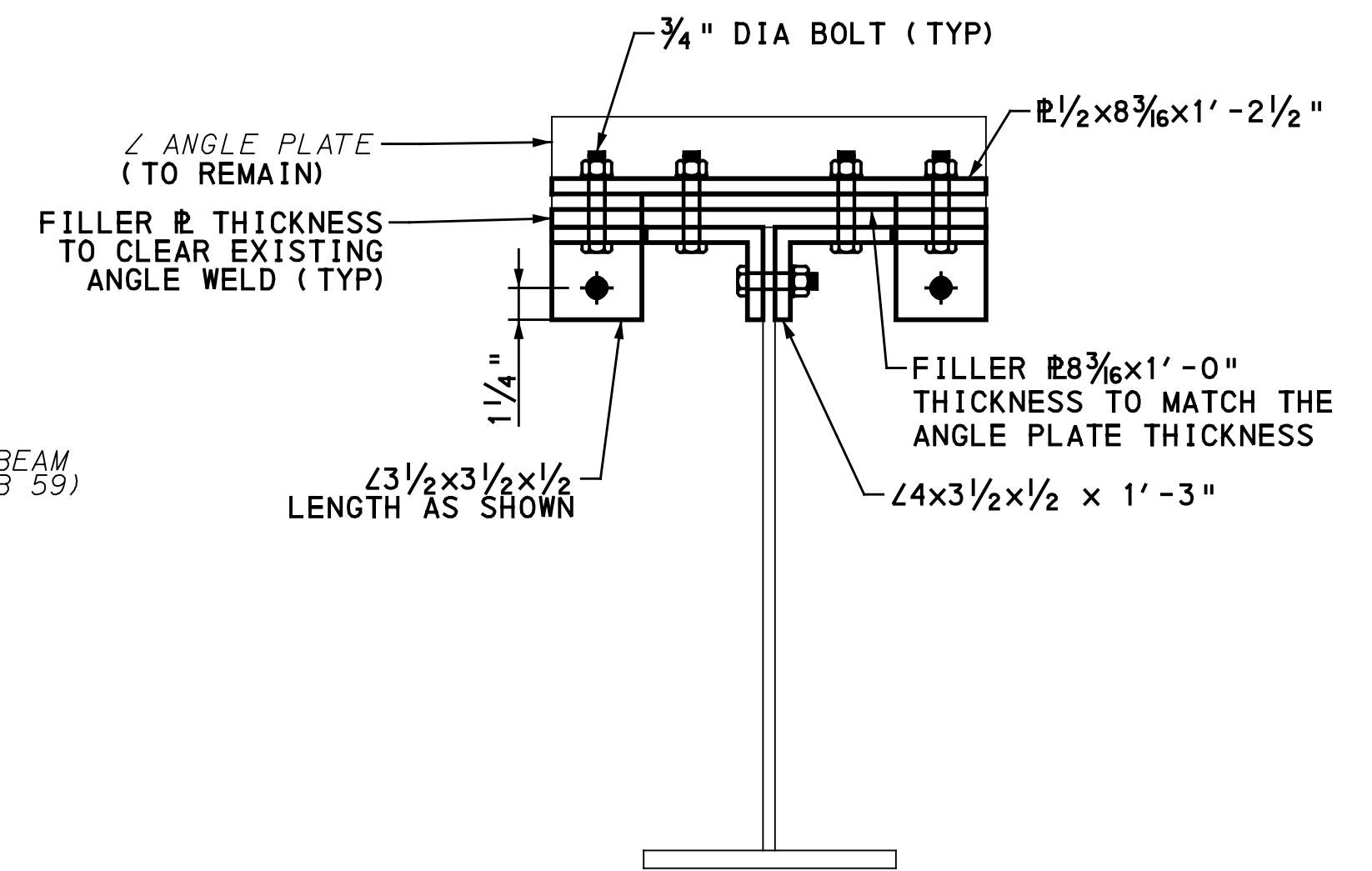
1. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING CORROSION AND SECTION LOSS. IF THE LIMITS ARE DIFFERENT THAN SHOWN ON THESE PLANS, SUBMIT A PROPOSED REPAIR TO THE ENGINEER PRIOR TO ORDERING OR FABRICATING MATERIALS.
2. INSTALL SUPPORTS AT REPAIR LOCATIONS AS NEEDED.
3. REMOVE EXISTING BOLTS.
4. PRIOR TO THE INSTALLATION OF THE NEW STEEL, BLAST CLEAN THE DETERIORATED AREA FOR A 2" MINIMUM BEYOND THE OUTLINES OF THE REPAIR CONTRACT AREA AND APPLY A PRIMER TO THE BASE METAL. FEATHER THE EDGE OF THE PAINT THAT REMAINS.
5. PRIOR TO PLACING THE NEW STEEL PROPOSED, FILL AREAS OF SECTION LOSS AND PREVIOUS PACK RUST ON THE EXISTING STEEL WITH CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL.
6. INSTALL NEW STEEL.
7. INSTALL STRUCTURAL BOLTS AND TENSION PER SPECS.

LEGEND:

- PROPOSED BOLT
- EXISTING BOLT OR RIVET
- EXISTING PARTIAL SECTION LOSS



DEFECT PHOTO



SECTION A-A

N. T. S.

REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

BURLINGTON COUNTY BRIDGE COMMISSION

RIVERSIDE-DELANCO  
CR 543 OVER THE RANOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ

BRIDGE REHABILITATION

R2 - SWING SPAN SIDEWALK  
FLOORBEAM L10 REPAIR  
DETAILS

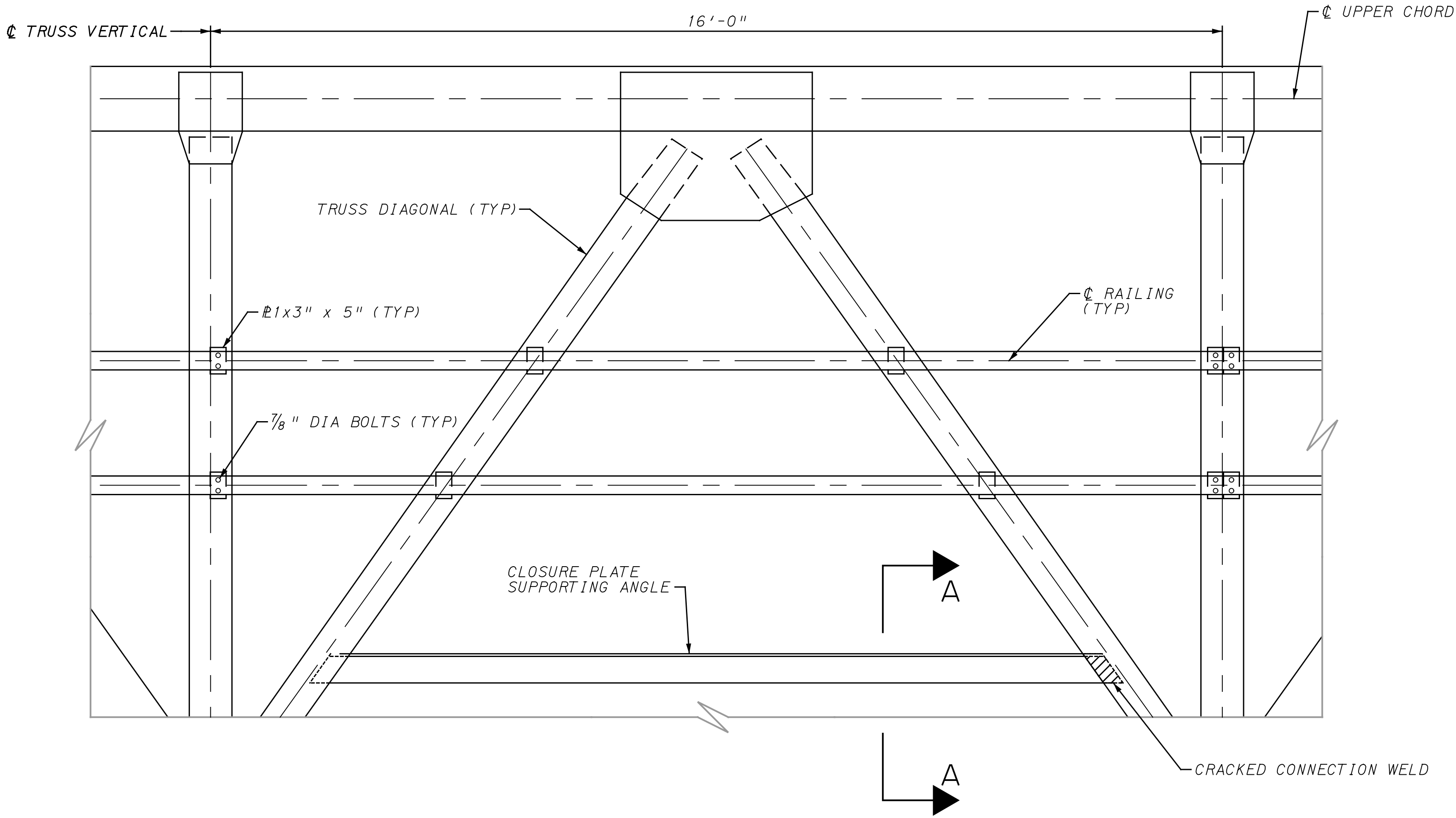
PENNONI ASSOCIATES INC.

|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>S-3 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>13 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|

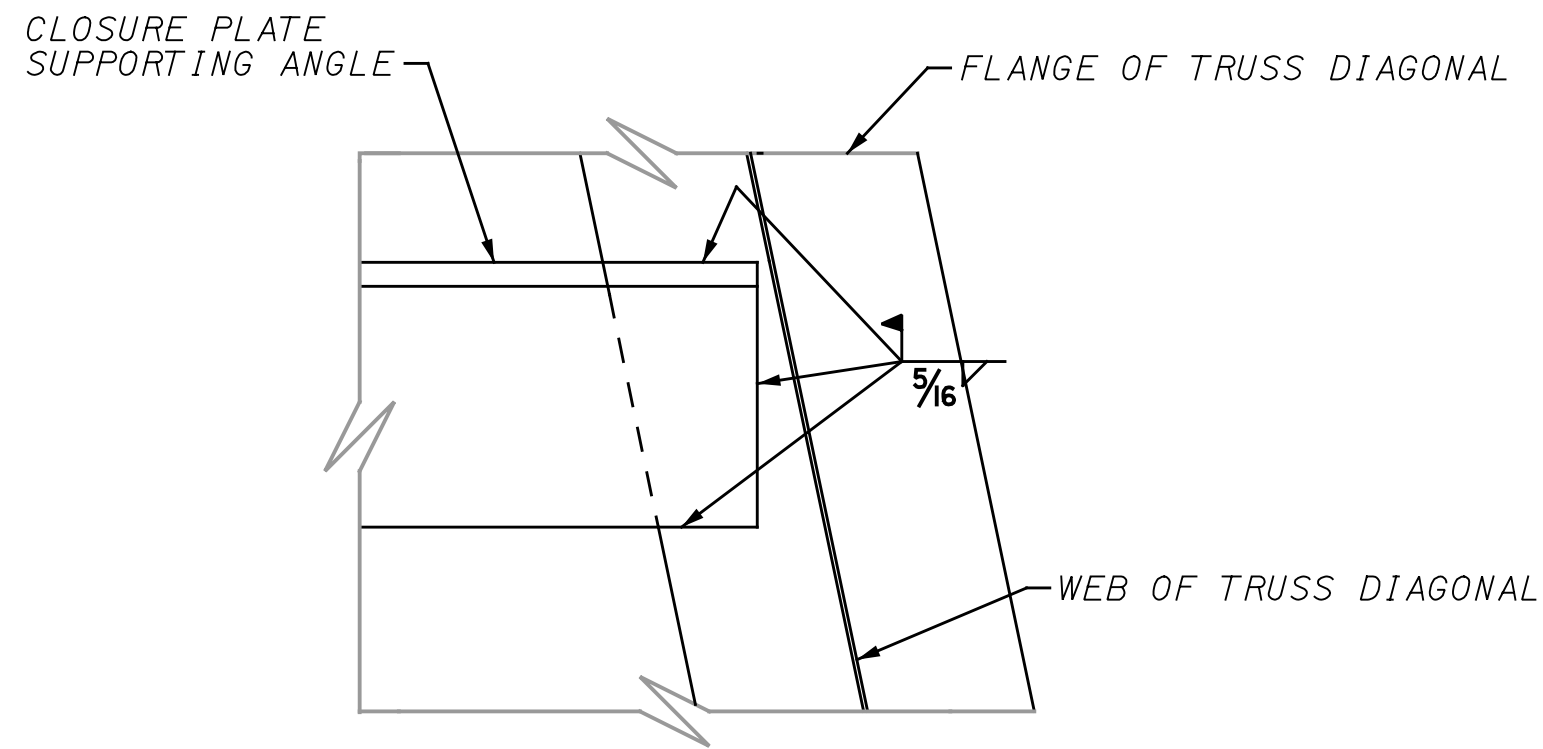
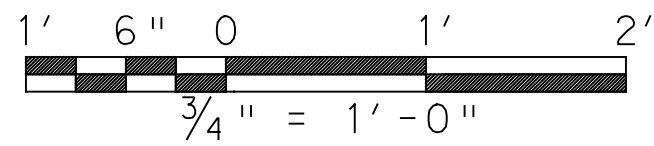
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



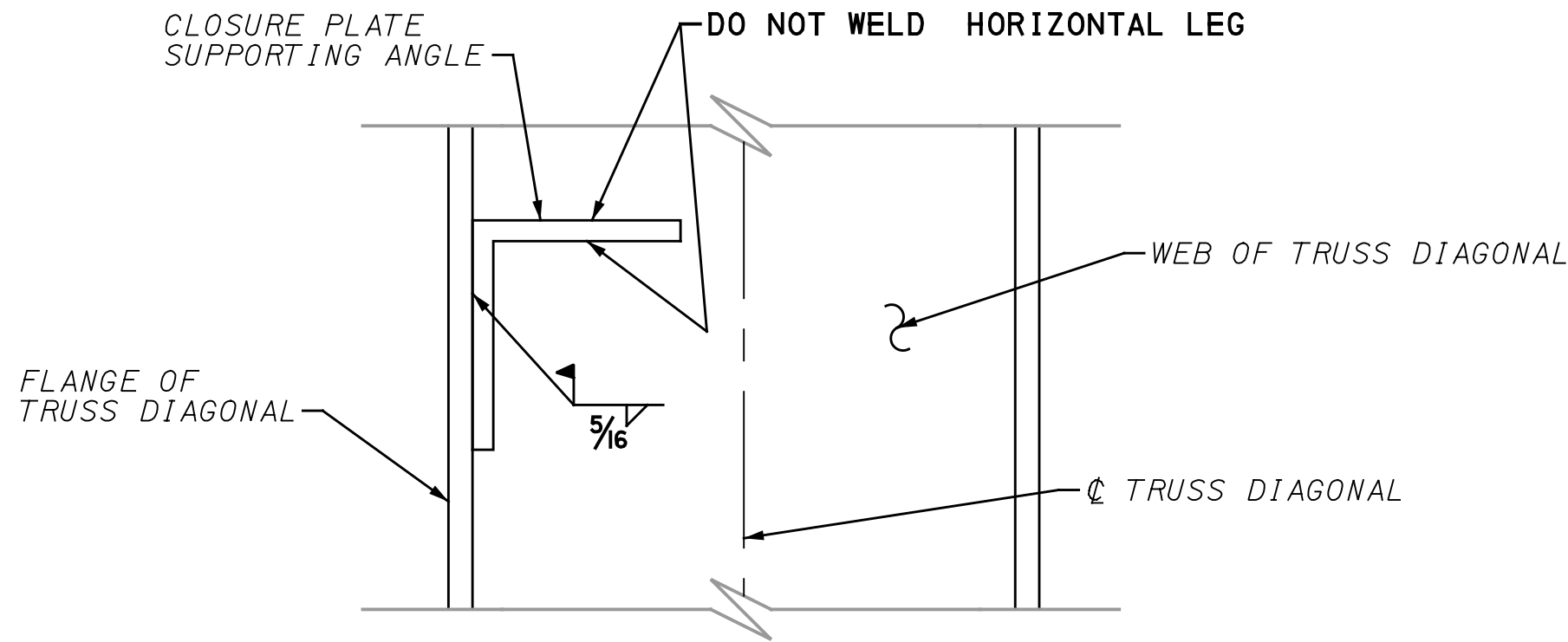
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DATE PLOTTED: 8/6/2025 8:02:44 AM  
USER NAME: jdguski



WEST TRUSS ELEVATION VIEW



WELD VIEW



SECTION A-A

PROPOSED REPAIR

N. T. S.

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

RECOMMENDED ORDER OF CONSTRUCTION:

1. INSTALL SUPPORTS AT REPAIR LOCATIONS AS NEEDED.
2. GRIND OUT BROKEN WELDS AT CONNECTION AND CLEAN DETERIORATED AREA.
3. WELD CLOSURE PLATE SUPPORTING ANGLE AS SHOWN.



DEFECT PHOTO

LEGEND:

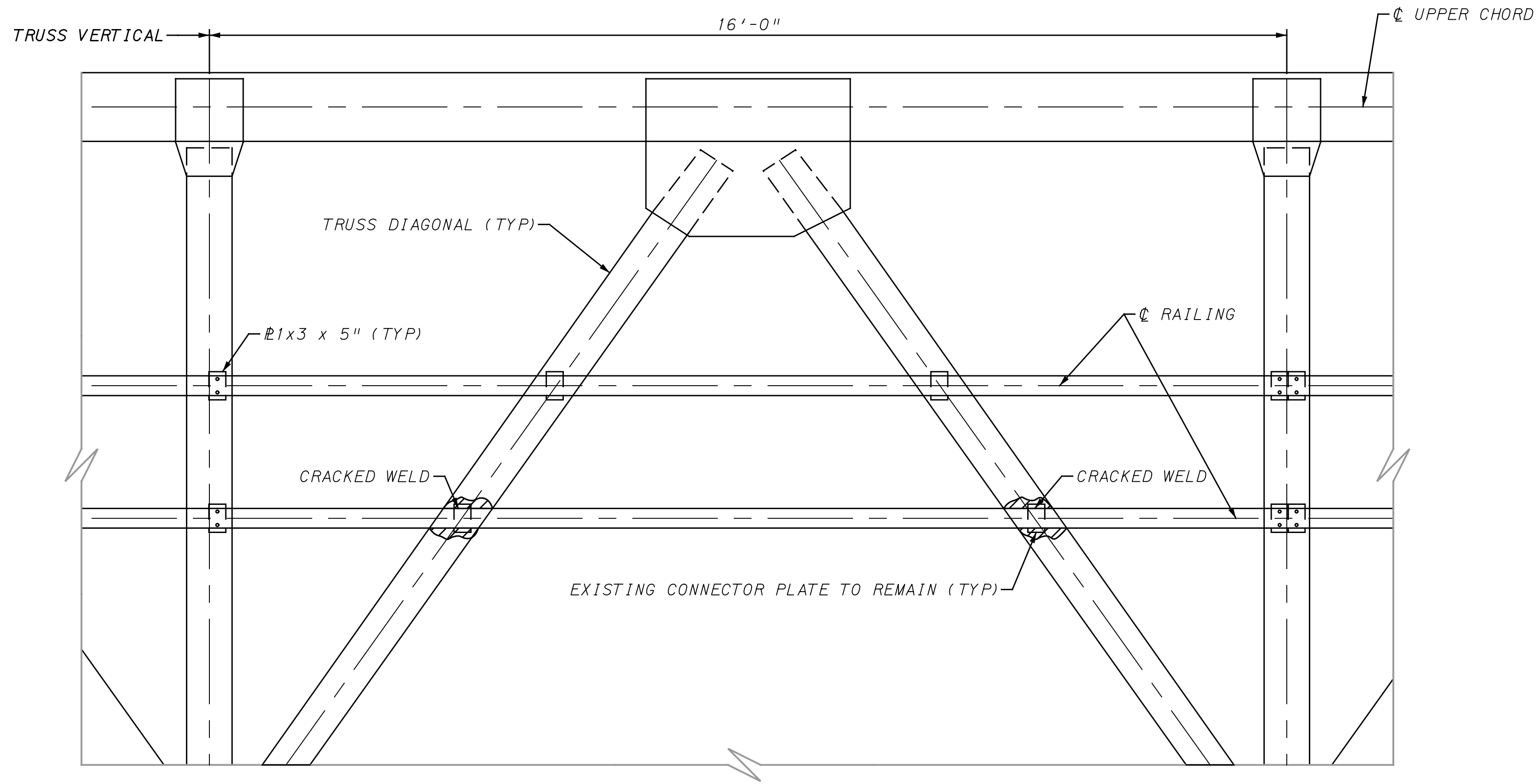
- DETERIORATED AREA  
 EXISTING BOLT OR RIVET

REFERENCE NOTES:

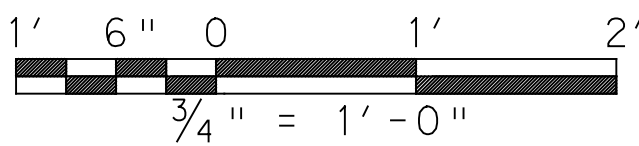
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 10.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

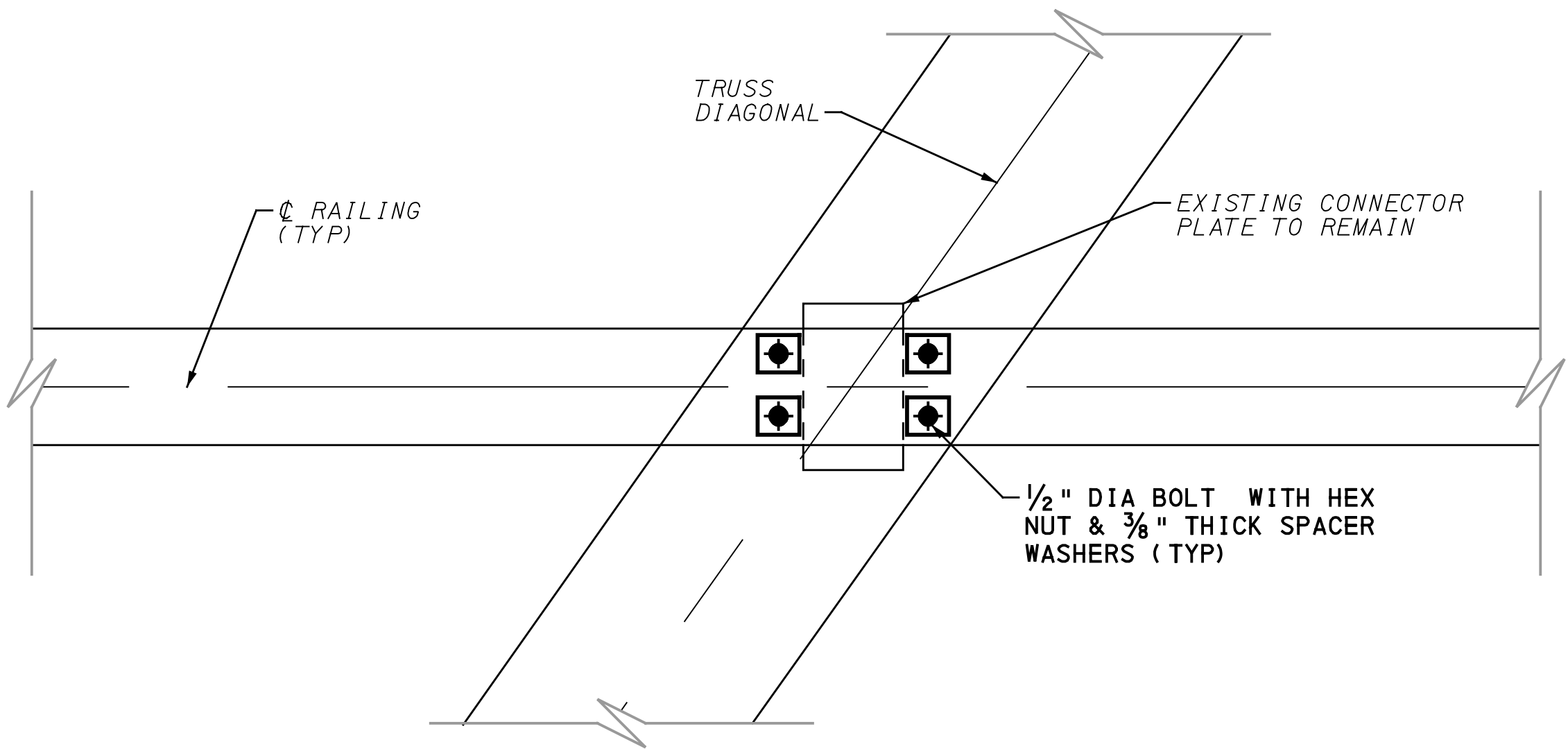
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|---|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ  |                   |                     |                       |
| BRIDGE REHABILITATION   |                   |                     |                       |
| R3 - SWING SPAN WEST TRUSS<br>BETWEEN L2 AND L4 CLOSURE<br>PLATE SUPPORTING ANGLE |                   |                     |                       |
| PENNONI ASSOCIATES INC.   |                   |                     |                       |
| DRAWING NO.<br>S-4  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>14 OF 39 |



EAST TRUSS ELEVATION VIEW



DEFECT PHOTOS



PROPOSED REPAIR

N. T. S.

RECOMMENDED ORDER OF CONSTRUCTION:

1. FIELD VERIFY REPAIR LOCATION AND DIMENSIONS BEFORE FABRICATION.
2. INSTALL SUPPORTS AT REPAIR LOCATION AS NEEDED.
3. REMOVE THE WELDED CONNECTIONS BETWEEN THE RAILING ELEMENTS AND THE TRUSS MEMBERS.
4. PRIOR TO THE INSTALLATION OF THE NEW BOLTS, CLEAN THE DETERIORATED AREA.
5. BOLT THE RAILING TO THE TRUSS.

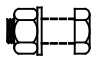
LEGEND:



DETERIORATED AREA



PROPOSED BOLT



EXISTING BOLT OR RIVET

BURLINGTON COUNTY BRIDGE COMMISSION

RIVERSIDE-DELANCO  
CR 543 OVER THE RANCOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ

BRIDGE REHABILITATION

R4 - SWING SPAN EAST TRUSS  
RAILING REPAIR DETAIL

PENNONI ASSOCIATES INC.

REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>S-5 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>15 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|

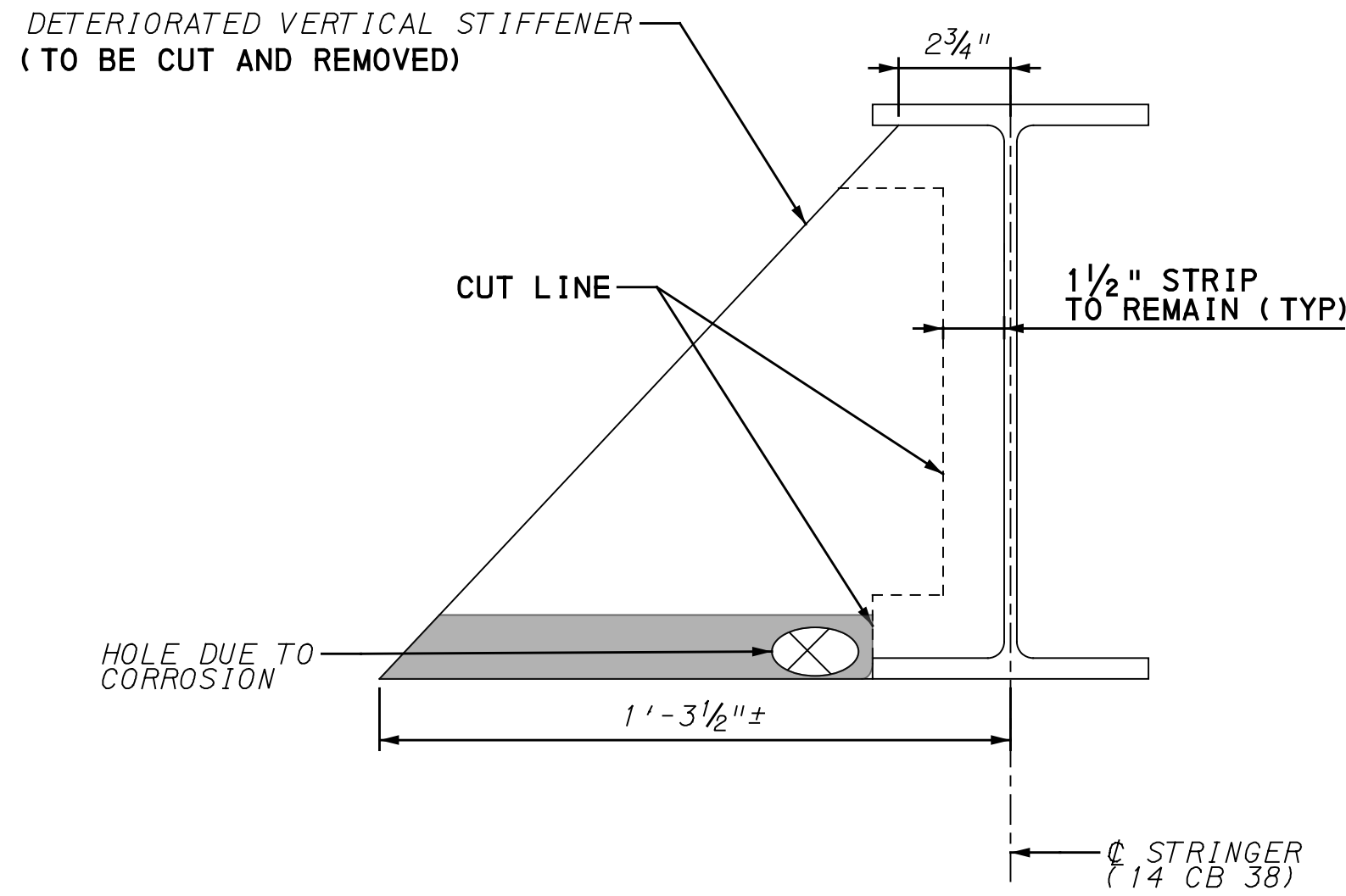
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USER NAME: jdguski

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



PENNONI ASSOCIATES, INC.  
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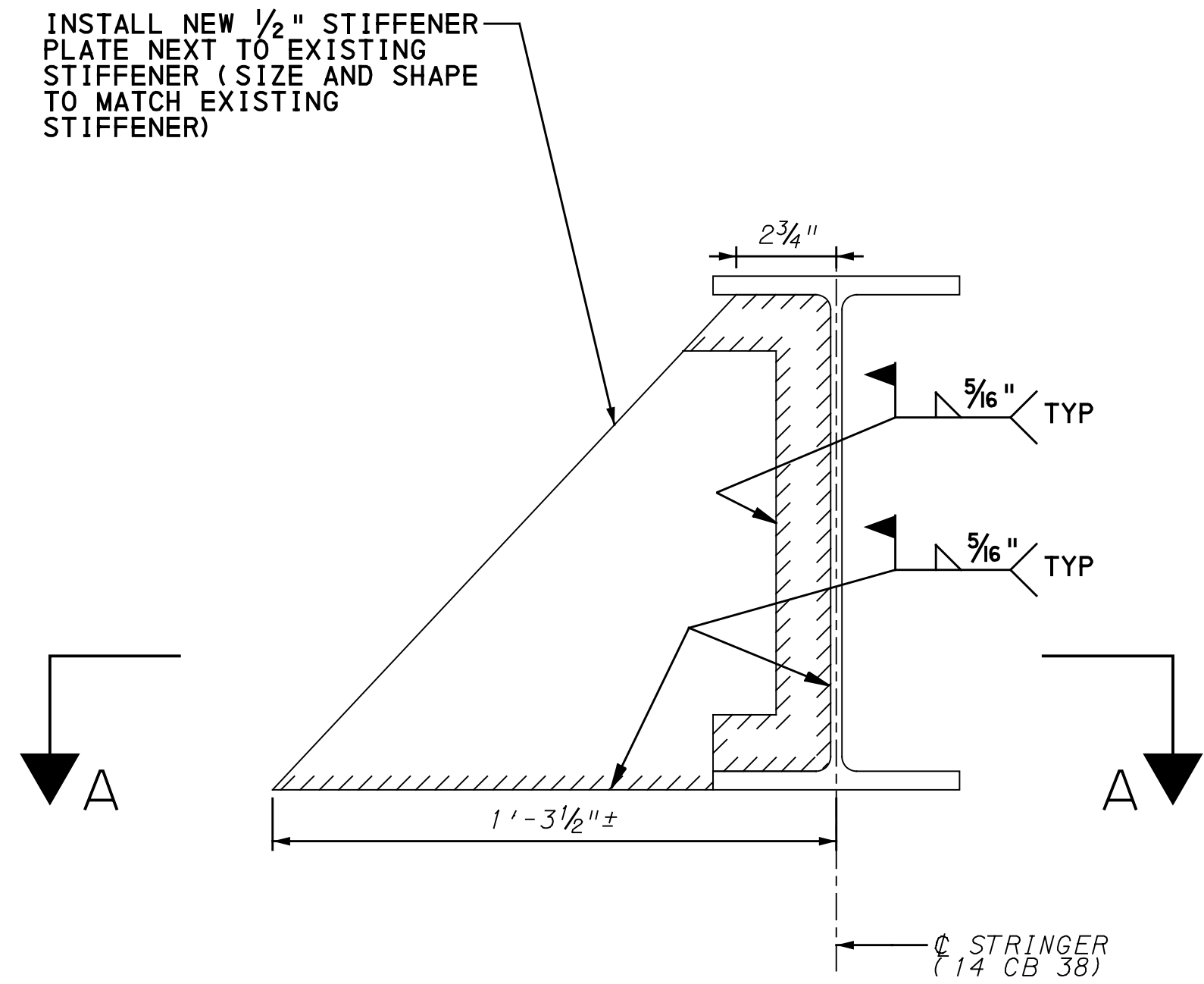
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Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



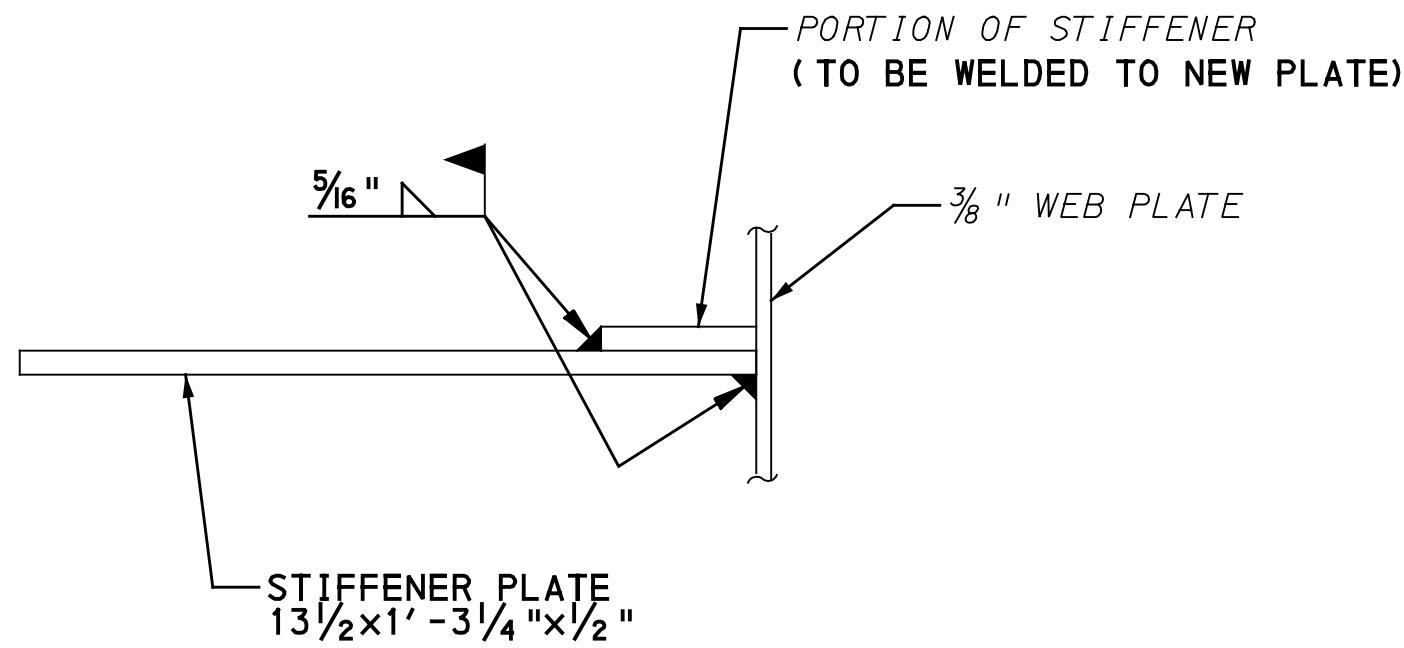
EXISTING CONDITION



DEFECT PHOTO



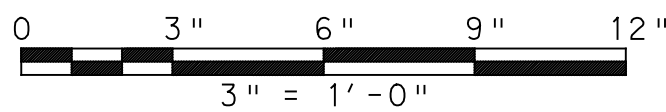
PROPOSED REPAIR



SECTION A-A

- NOTES:**
1. REMOVE RUST AND CLEAN EXISTING STIFFENER.
  2. PLACE THE NEW VERTICAL STIFFENER AGAINST THE EXISTING STIFFENER.
  3. WELD NEW STIFFENER AGAINST STRINGER AND FLOORBEAM AS SHOWN.
  4. USE AIR CARBON ARC TO CUT EXISTING STIFFENER AND REMOVE DETERIORATED PORTION. LEAVE THE 1 1/2 INCH STRIP OF EXISTING STIFFENER.
  5. WELD THE NEW STIFFENER PLATE AGAINST THE REMAINING 1 1/2 INCH STRIP OF EXISTING STIFFENER (SEE SECTION A).

REPAIR DETAILS



- LEGEND:**
- EXISTING 100% SECTION LOSS
  - EXISTING PARTIAL SECTION LOSS
  - PROPOSED BOLT

- REFERENCE NOTES:**
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
  - FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

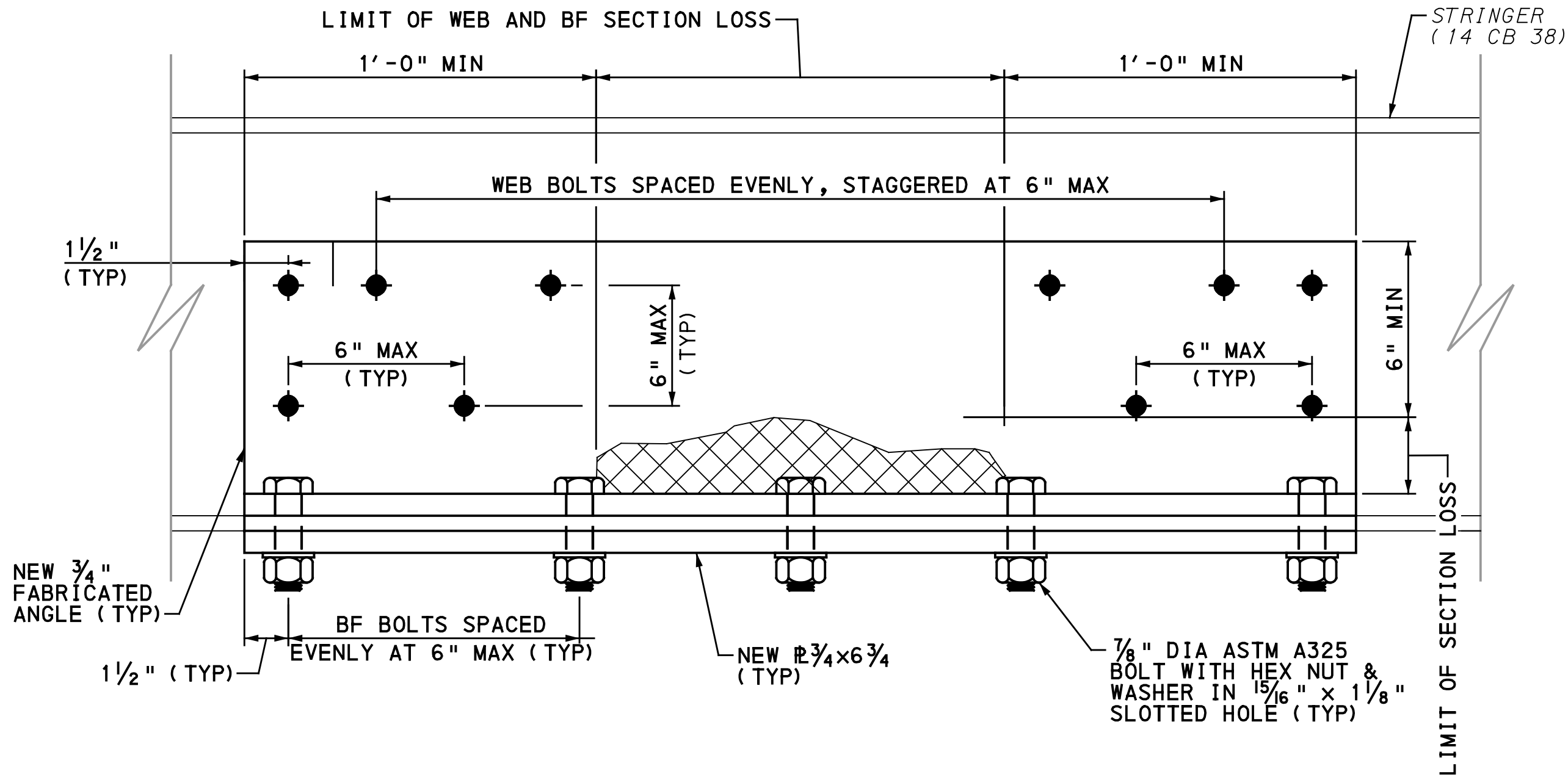
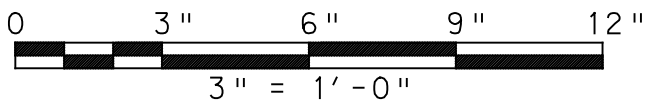
|  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R5 - SWING SPAN STRINGER S1<br>AT LO REPAIR DETAILS                              |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-6   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>16 OF 39 |

PENNONI ASSOCIATES, INC.  
FILE NAME: \\BUCB23007S\_LO'S6.dgn  
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PLOT DRIVER: VSE-FULLSIZE-PDF-PLT66  
DATE PLOTTED: 8/6/2025 8:03:20 AM  
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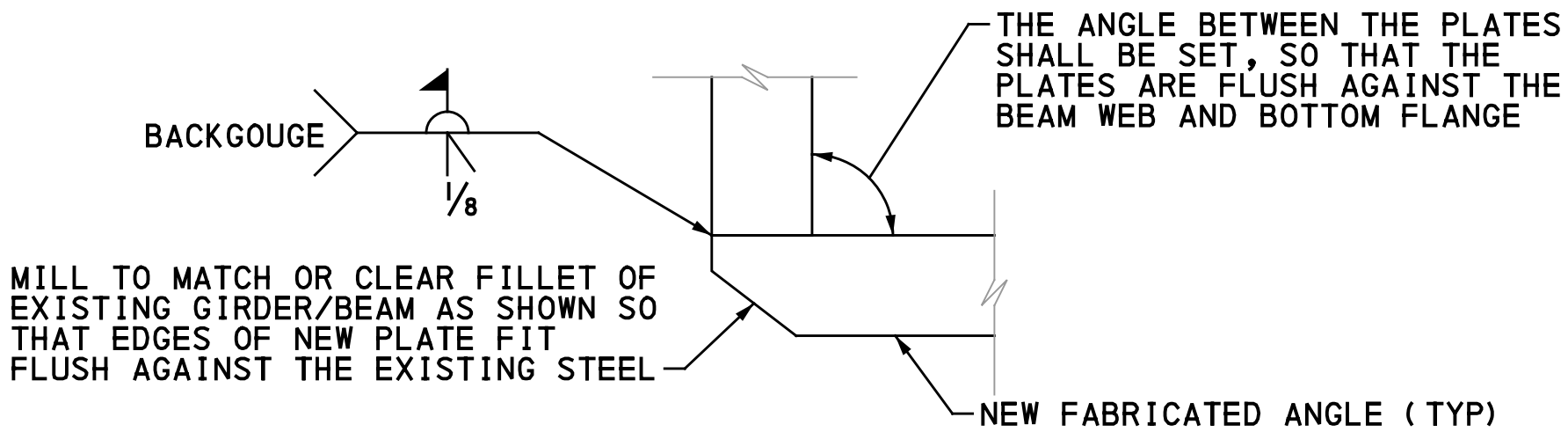
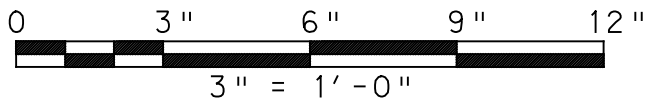


DEFECT PHOTO

SECTION VIEW  
TYPICAL STRINGER REPAIR DETAILS  
APPROACH SPANS



ELEVATION VIEW  
TYPICAL STRINGER REPAIR  
INTERMEDIATE FLOORBEAMS



FABRICATED ANGLE DETAIL  
N. T. S.

NOTES:

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH:
  - THE BURLINGTON COUNTY BRIDGE COMMISSION SUPPLEMENTARY SPECIFICATIONS, SPECIFICALLY SECTION 506 - STRUCTURAL STEEL.
  - NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, INCLUDING BUT NOT LIMITED TO THE SLOPE OF THE TOP OF THE BOTTOM FLANGE, LIMITS OF SECTION LOSS, THE CHAMFER FOR THE EXISTING BEAM FILLET, AND BOLT SPACING, ETC., BEFORE ANY MATERIAL IS ORDERED OR FABRICATED. THE NUMBER OF BOLTS SHOWN ARE FOR REPRESENTATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE NUMBER OF BOLTS, AND THE PATTERN THAT WILL SATISFY THE REQUIREMENTS OF THE DETAILS.
- GRIND OUT CRACKED WELDS AT THE SPECIFIED LOCATION USING MECHANICAL METHOD.
- APPLY CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL TO FILL PITTED AND AREAS OF SECTION LOSS PRIOR TO INSTALLING NEW STEEL PLATES AND FABRICATED SECTIONS.
- ALL BOLTS SHALL BE A325, 7/8" DIAMETER GALVANIZED BOLTS.
- THE MINIMUM ACCEPTABLE EDGE DISTANCE FOR ANY BOLT SHALL BE 1 1/2". THE MAXIMUM ACCEPTABLE EDGE DISTANCE FOR ANY BOLT SHALL BE 3". THE MINIMUM ACCEPTABLE CENTER-TO-CENTER BOLT SPACING SHALL BE 3".
- ALL NEW STEEL AND AREAS TO BE PLATED SHALL BE CLEANED AND PAINTED.
- ALL STRUCTURAL STEEL SHALL BE 3/4" THICK AND CONFORM TO A709, GRADE 50.

LEGEND

- PROPOSED BOLT
- SIGNIFICANT SECTION LOSS OR HOLES

| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                       |
|---|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION   |                   |                     |                       |
| R6 - DELANCO SPAN STRINGER<br>S6 AT LO' REPAIR DETAILS                          |                   |                     |                       |
| PENNONI ASSOCIATES INC.   |                   |                     |                       |
| DRAWING NO.<br>S-7  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>17 OF 39 |

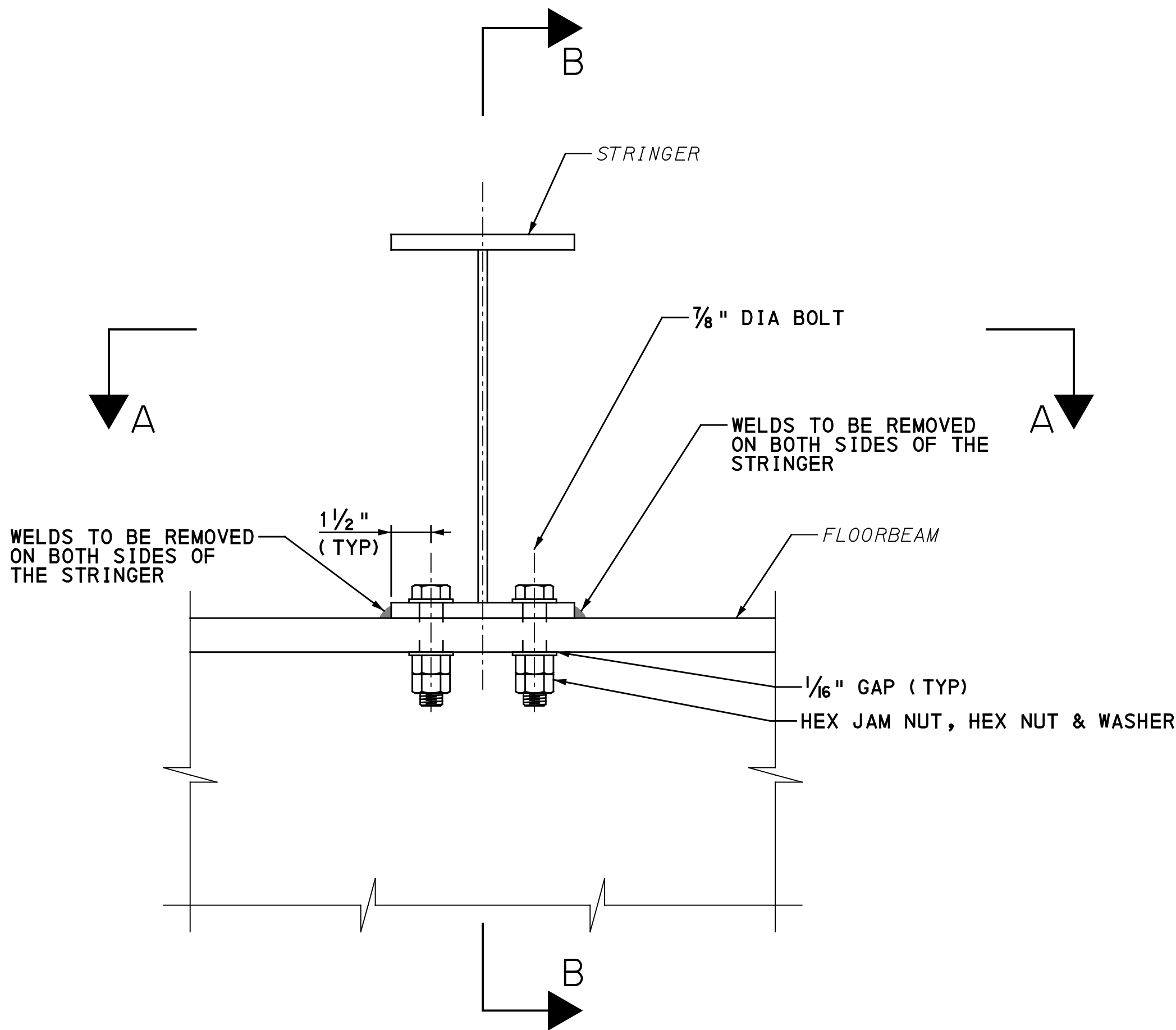
REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 10.

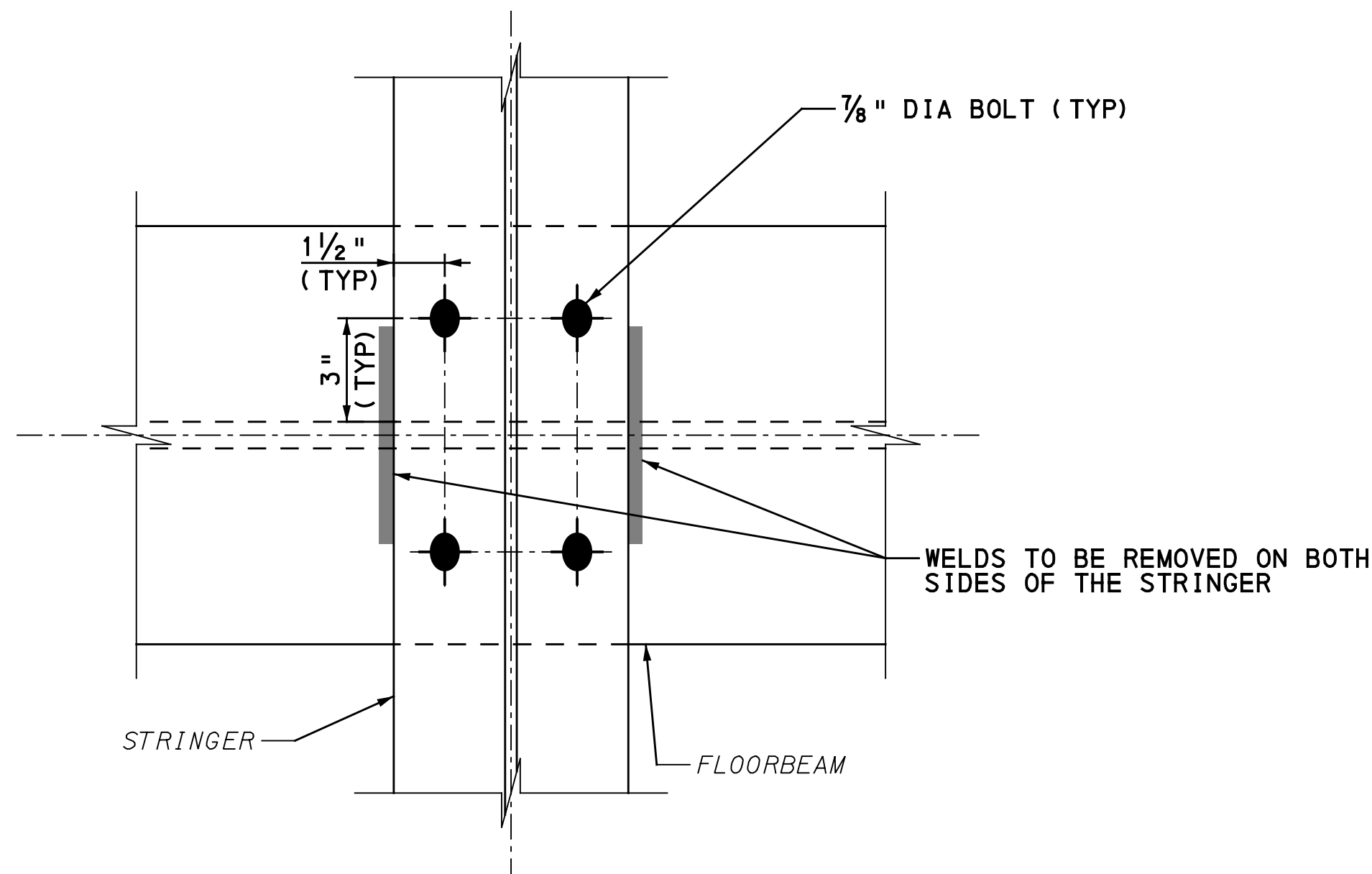
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

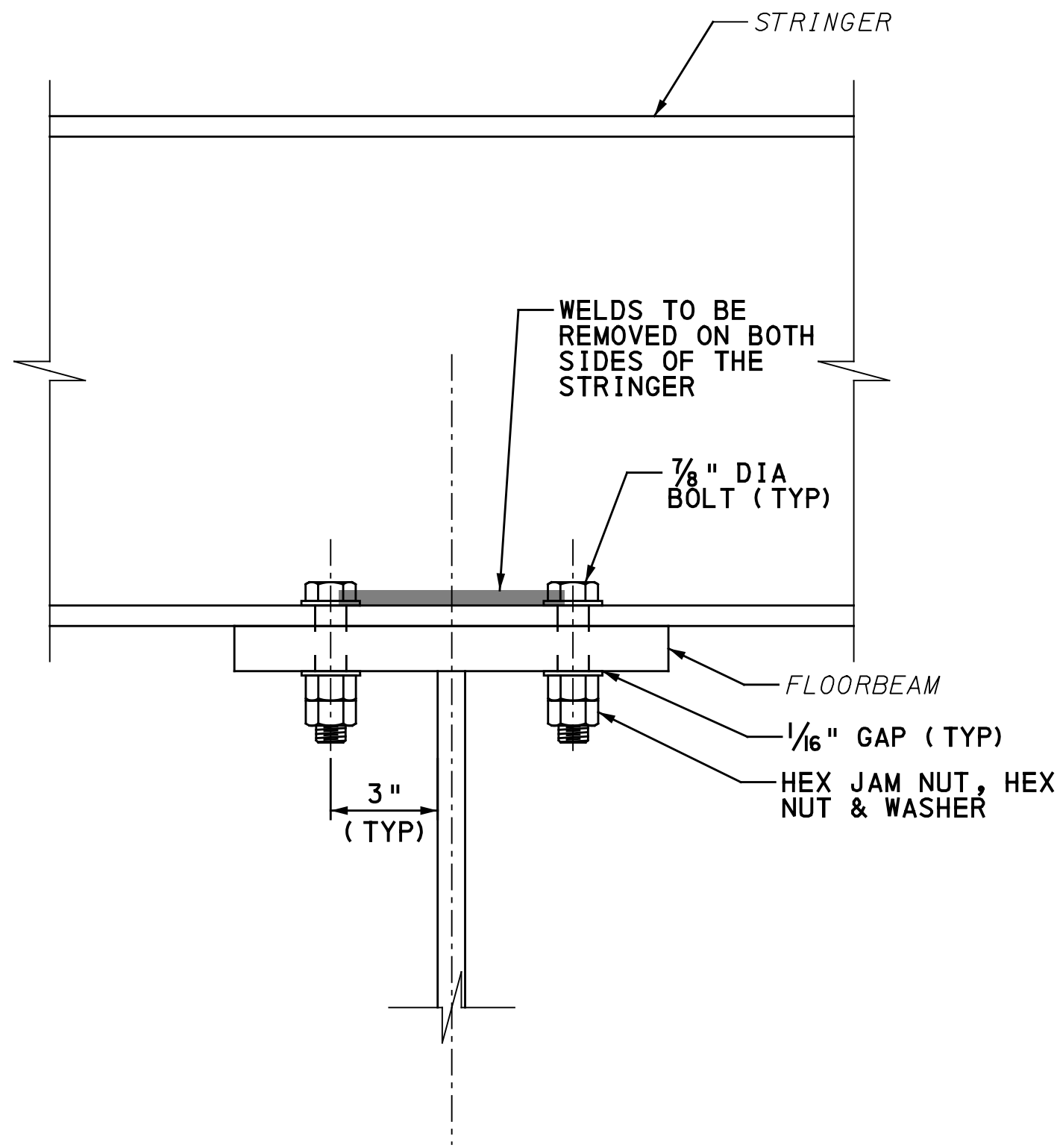
PENNONI ASSOCIATES, INC.  
FILE NAME: BU08230075\_L8S3.dgn  
PEN TABLE: PENNONI-PGC.tbl  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT66  
DATE PLOTTED: 8/6/2025 8:03:52 AM  
USER NAME: jdguski



**ELEVATION VIEW**  
NTS



**SECTION A-A**  
NTS



**SECTION B-B**  
NTS



**DEFECT PHOTO**

**NOTES:**

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH:
  - THE BURLINGTON COUNTY BRIDGE COMMISSION SUPPLEMENTARY SPECIFICATIONS, SPECIFICALLY SECTION 506 - STRUCTURAL STEEL.
  - NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019.
- GRIND OUT CRACKED WELDS AT THE SPECIFIED LOCATION USING MECHANICAL METHOD. WELDS ON BOTH SIDES OF STRINGERS HAVE TO BE REMOVED.
- DRILL SLOTTED HOLES AND INSTALL BOLTS AS SHOWN.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.
- ALL BOLTS SHALL BE 7/8" DIAMETER ASTM F3125 GRADE A325, TYPE 1.
- ALL BOLT HOLES SHALL BE 15/16" x 1/8" SLOTTED HOLES.

**LEGEND:**

  PROPOSED BOLT

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEETS 9.

**BURLINGTON COUNTY BRIDGE COMMISSION**

**RIVERSIDE-DELANCO**  
**CR 543 OVER THE RANCOCAS CREEK**  
**RIVERSIDE, NJ DELANCO, NJ**

**BRIDGE REHABILITATION**

**R7 - SWING SPAN STRINGER**  
**REPAIR DETAILS**

**PENNONI ASSOCIATES INC.**

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

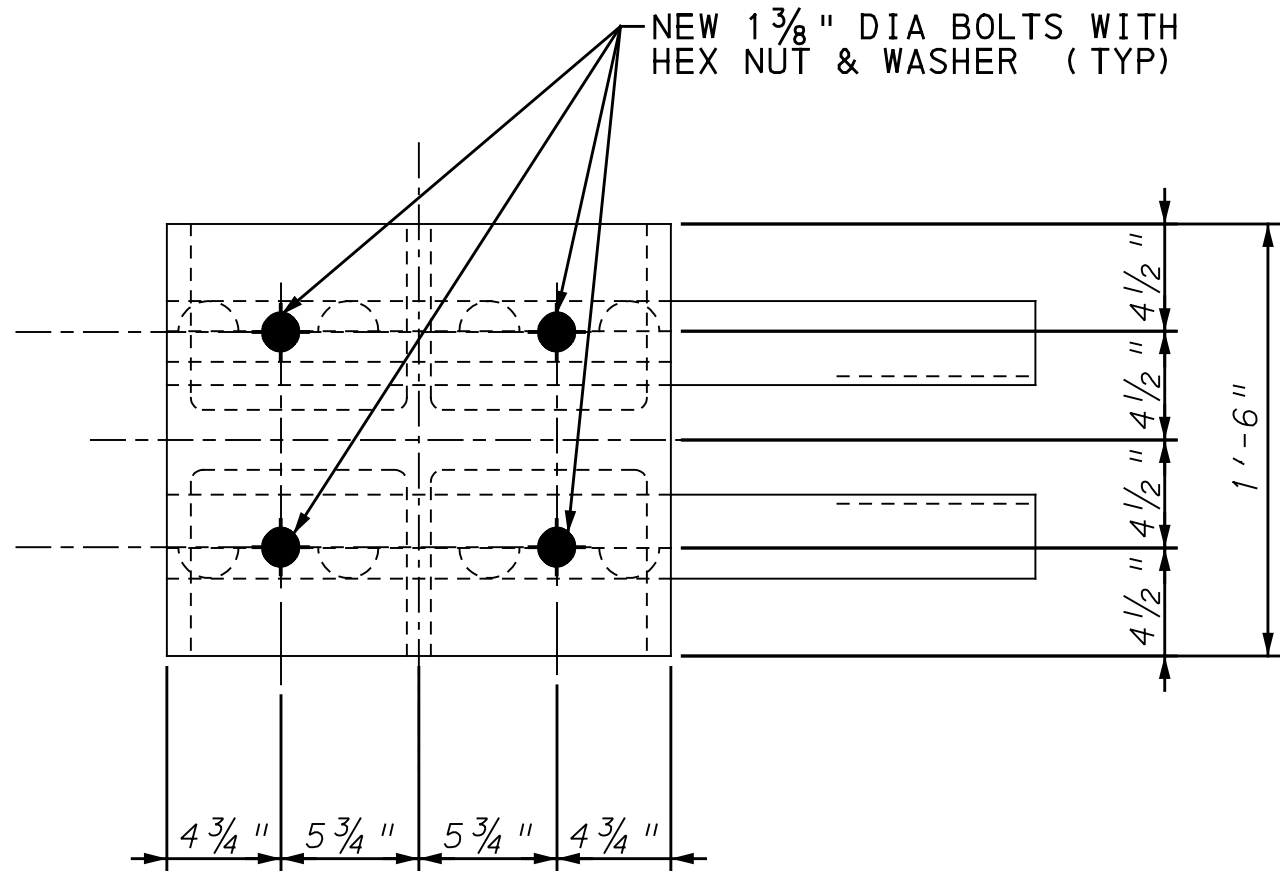
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>S-8 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>18 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|

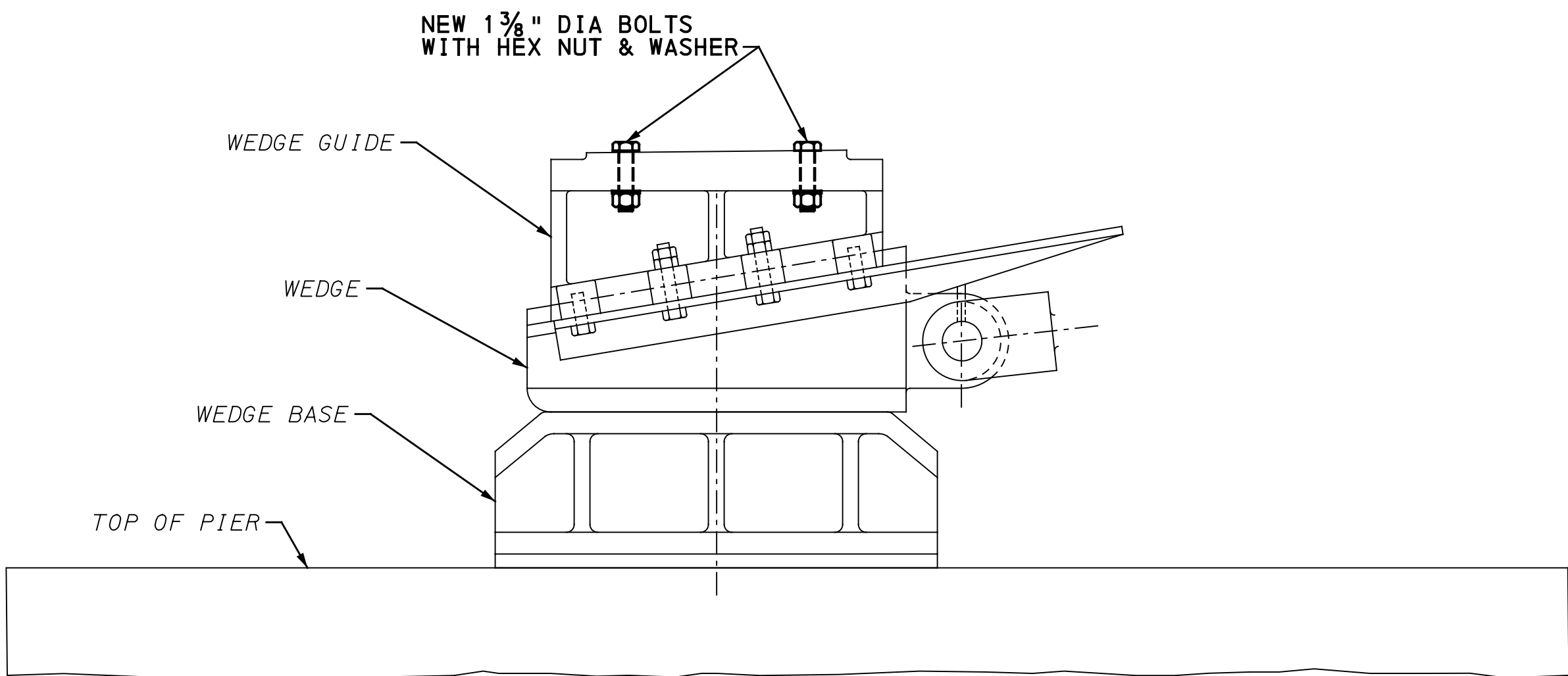
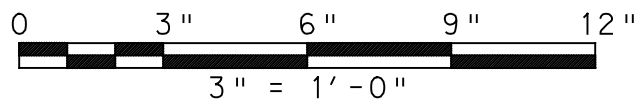


PENNONI ASSOCIATES, INC.  
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PEN TABLE: PENNONI-PGC.TBL  
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DATE PLOTTED: 8/8/2025 8:03:44 AM  
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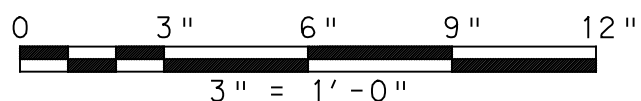
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



END WEDGE PLAN VIEW



END WEDGE ELEVATION



DEFECT PHOTO

RECOMMENDED ORDER OF CONSTRUCTION:

1. FIELD VERIFY REPAIR LOCATION AND DIMENSIONS BEFORE FABRICATION.
2. INSTALL SUPPORTS AT REPAIR LOCATIONS AS NEEDED.
3. REMOVE EXISTING TOP BOLTS.
4. PRIOR TO THE INSTALLATION OF THE NEW BOLTS, CLEAN THE DETERIORATED AREA.
5. INSTALL NEW TOP BOLTS.

LEGEND

- PROPOSED BOLT
- EXISTING BOLT OR RIVET

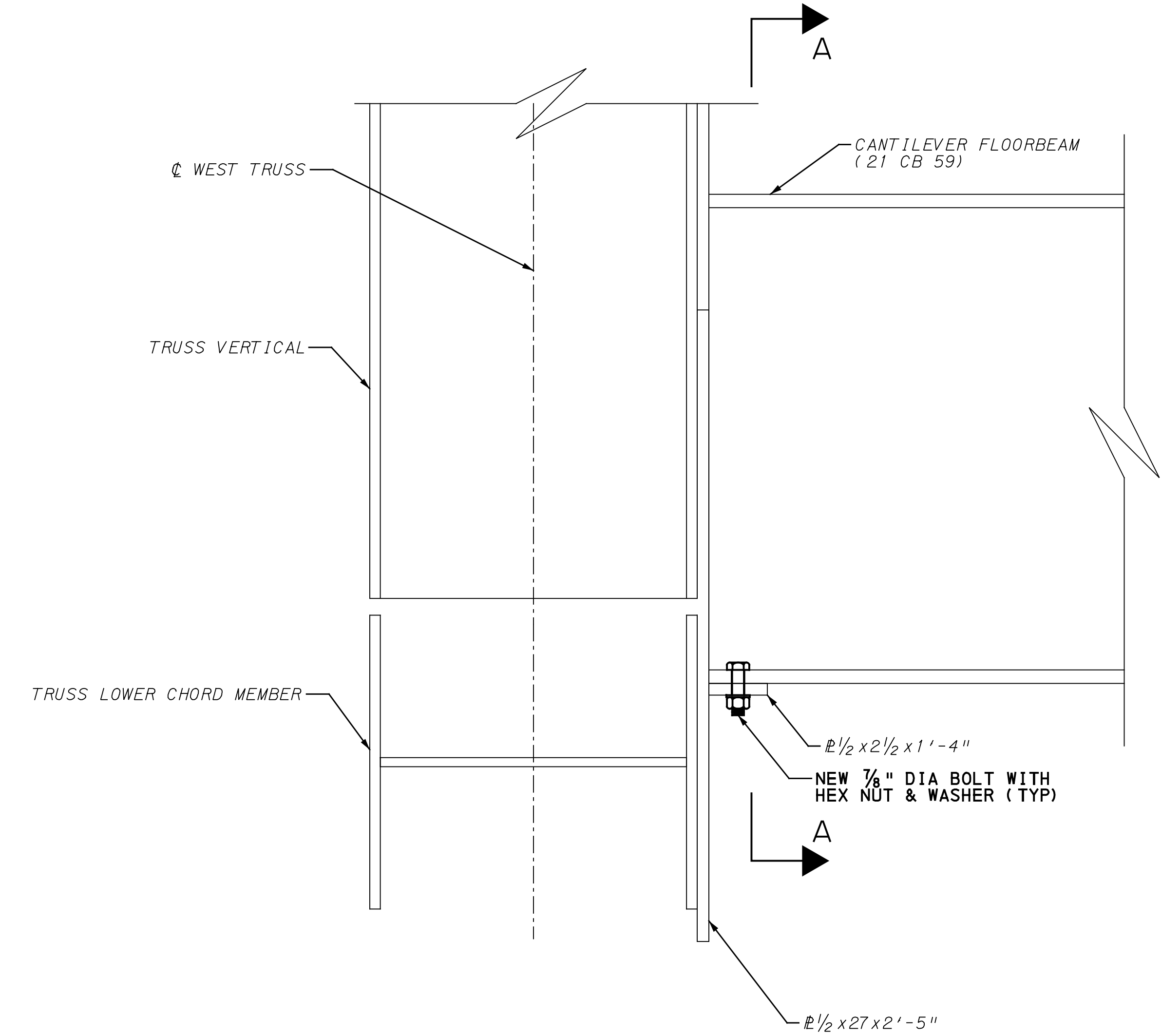
REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEETS 9.

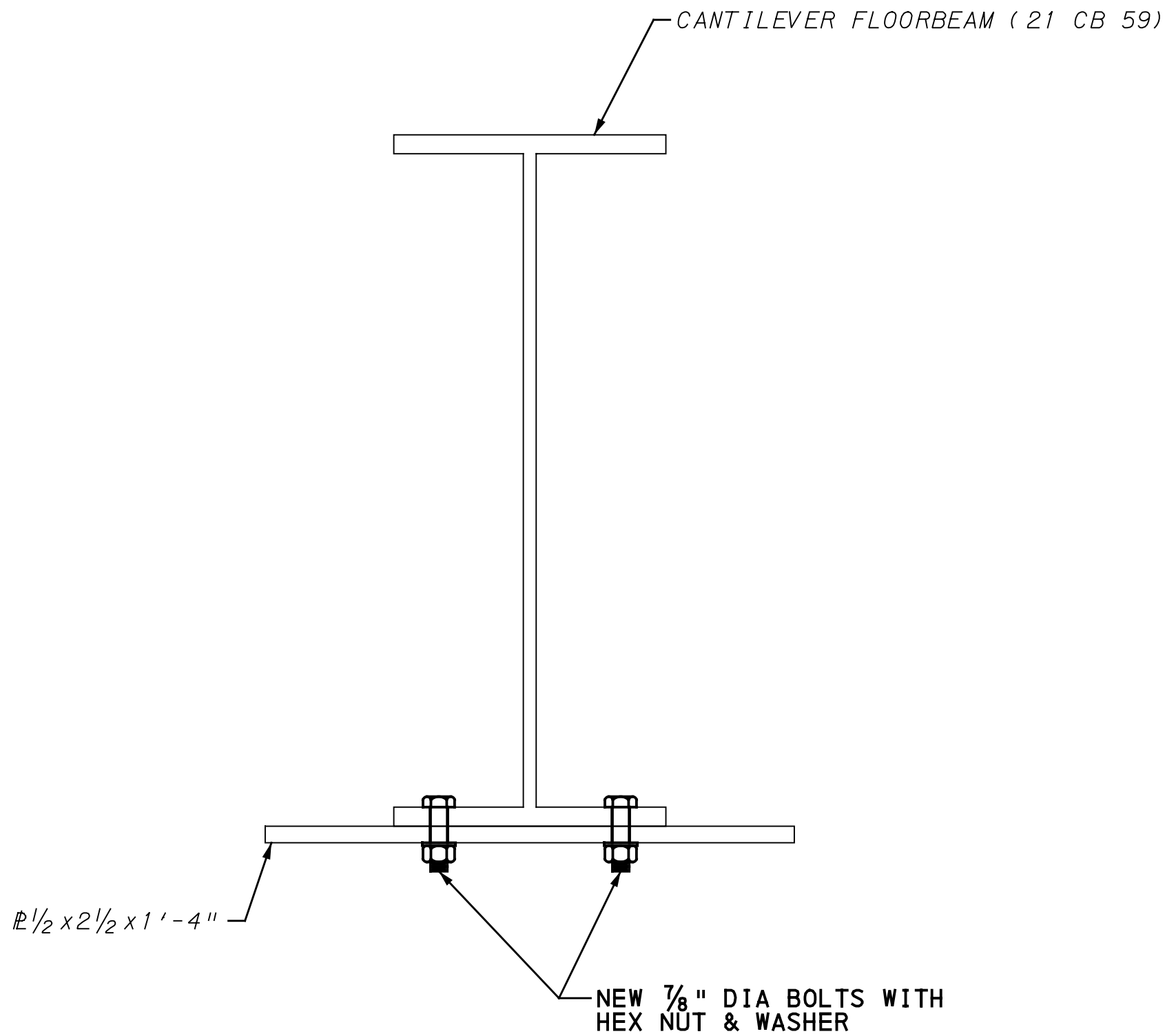
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|   |                   |                     |                       |
|---|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION   |                   |                     |                       |
| R8 - SWING SPAN LOW<br>MOUNTING BOLTS WEDGE<br>REPAIR DETAILS                   |                   |                     |                       |
| PENNONI ASSOCIATES INC.   |                   |                     |                       |
| DRAWING NO.<br>S-9  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>19 OF 39 |

PENNONI ASSOCIATES INC.  
FILE NAME: BUB323XXC CANTILEVER BOLT.dgn  
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DATE PLOTTED: 8/6/2025 8:03:59 AM  
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ELEVATION VIEW

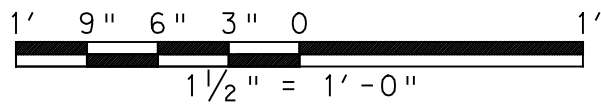


SECTION A-A



DEFECT PHOTO

PROPOSED REPAIR



NOTES:

- CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING CORROSION AND SECTION LOSS. IF THE LIMITS ARE DIFFERENT THAN SHOWN ON THESE PLANS, SUBMIT A PROPOSED REPAIR TO THE ENGINEER PRIOR TO ORDERING OR FABRICATING MATERIALS.

LEGEND:

PROPOSED BOLT

REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 8.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

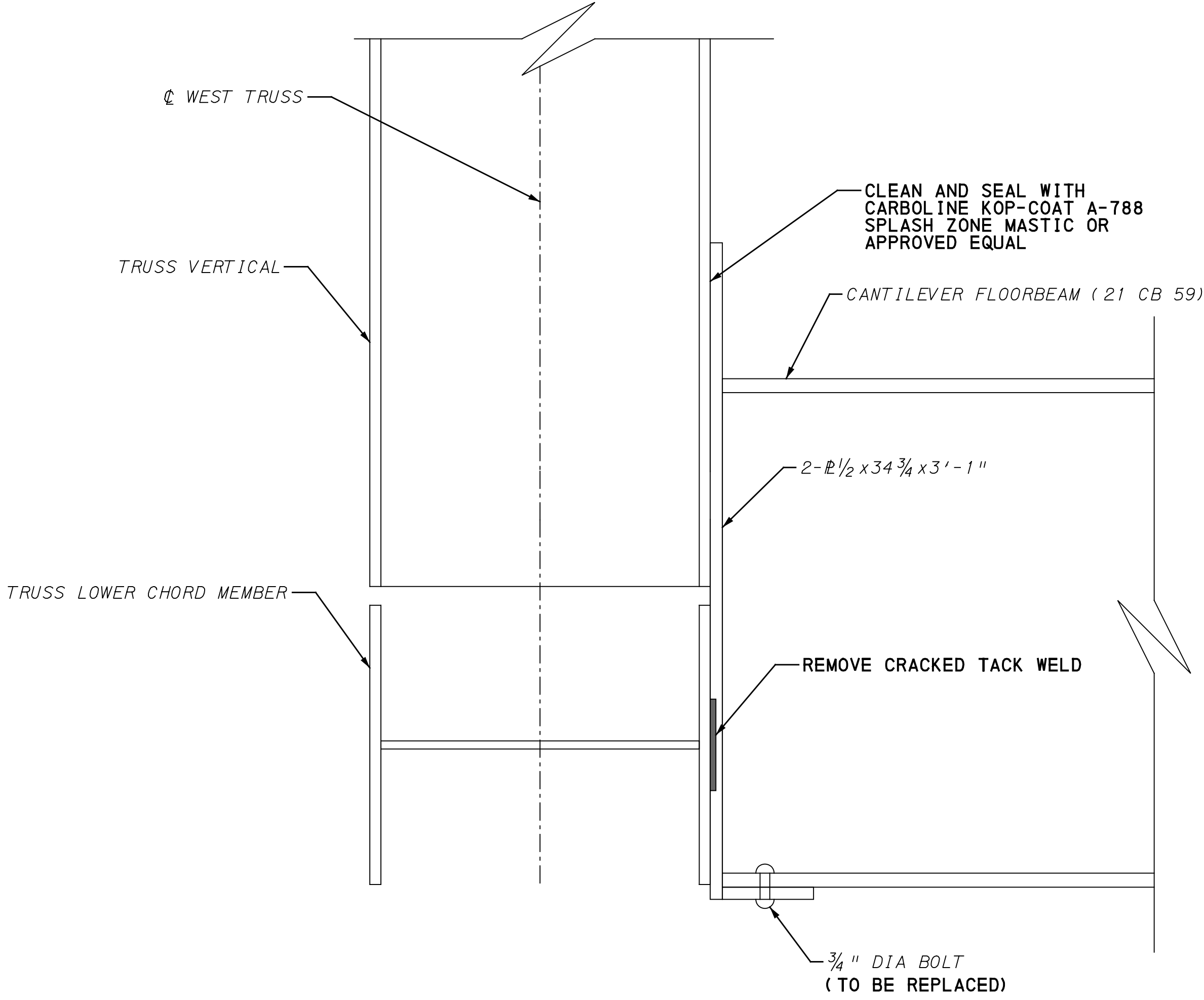
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

|  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R9 - RIVERSIDE SPAN L4'W<br>BOLT REPLACEMENT DETAILS                             |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-10  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>20 OF 39 |



PENNONI ASSOCIATES, INC.  
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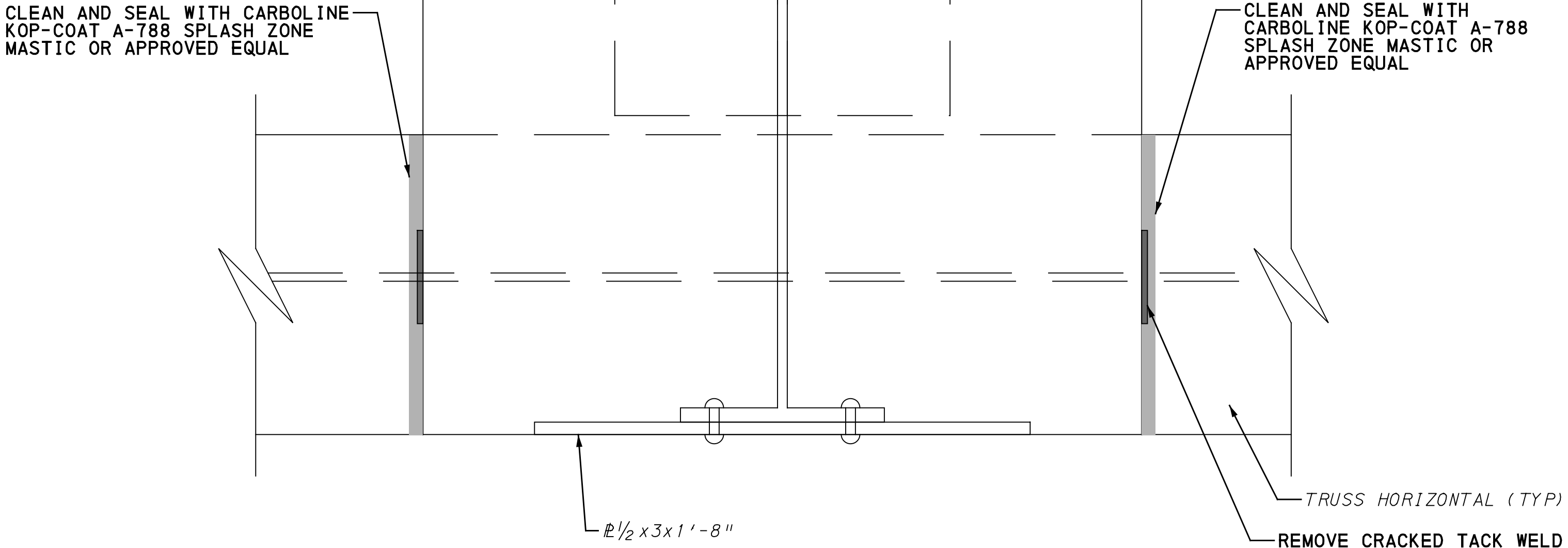
Design GGB      CK' d AR  
Drawn GGB      CK' d AR  
In Charge \_\_\_\_\_



**ELEVATION**

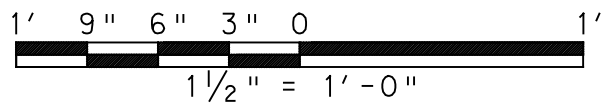


**DEFECT PHOTO**



**SECTION VIEW**

**PROPOSED REPAIR**



**LEGEND:**

- PROPOSED BOLT
- EXISTING BOLT OR RIVET

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 8.

**NOTES:**

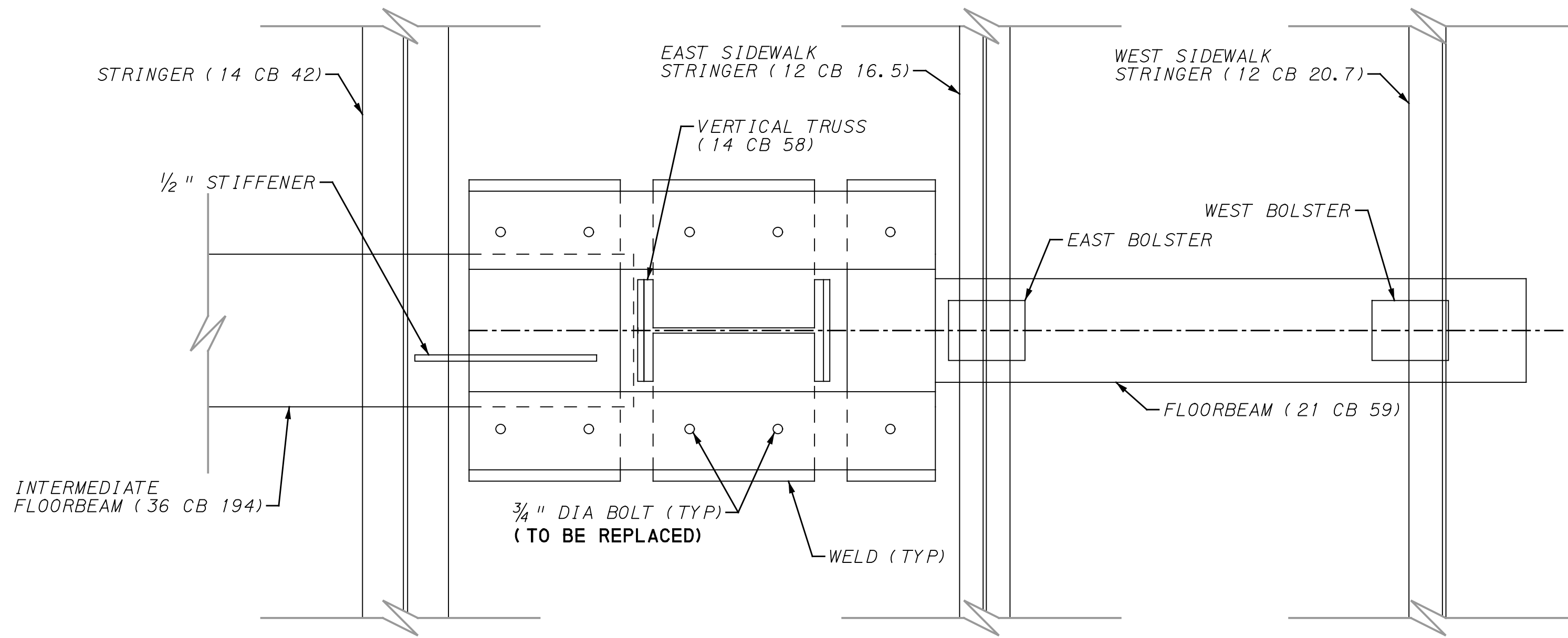
- CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING CORROSION AND SECTION LOSS. IF THE LIMITS ARE DIFFERENT THAN SHOWN ON THESE PLANS, SUBMIT A PROPOSED REPAIR TO THE ENGINEER PRIOR TO ORDERING OR FABRICATING MATERIALS.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

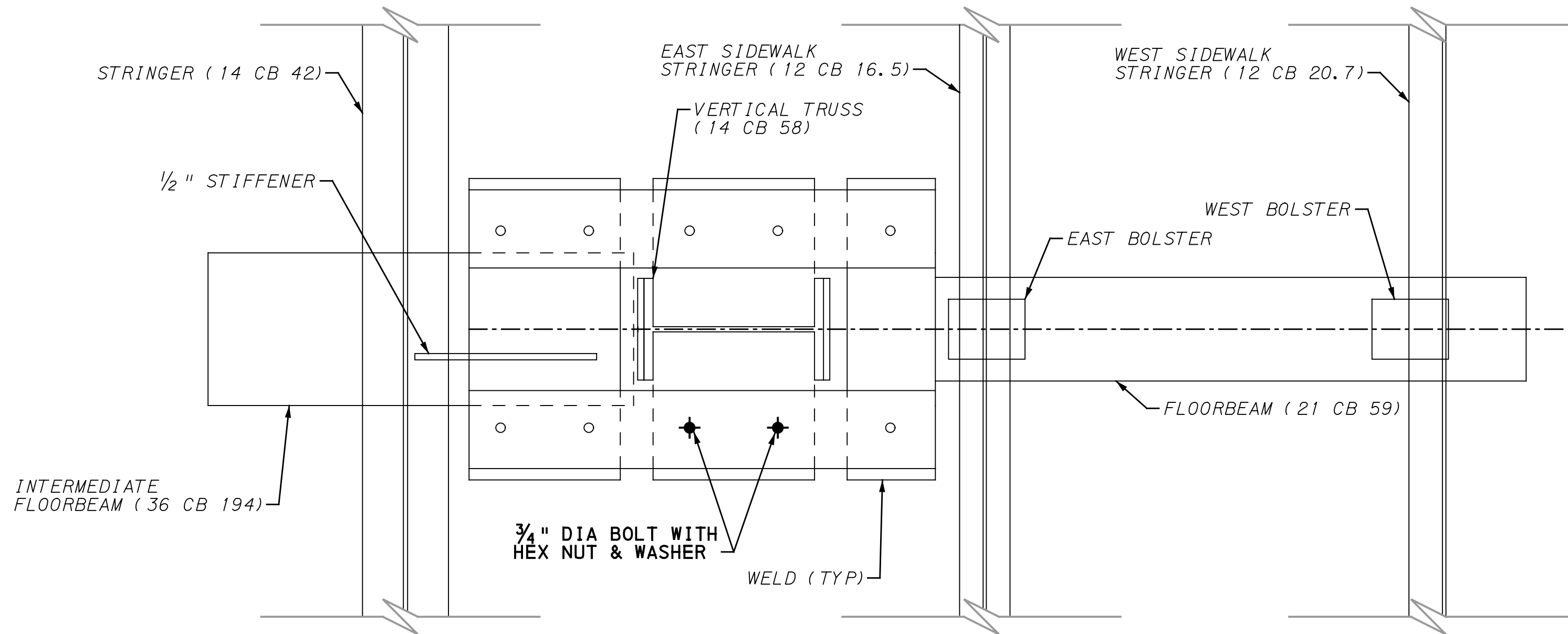
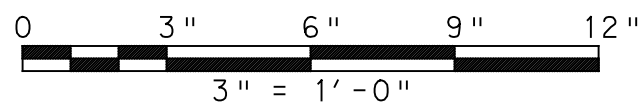
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|---|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ      DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION   |                   |                     |                       |
| R10 - RIVERSIDE SPAN L2' WELD<br>REPAIR DETAILS                                       |                   |                     |                       |
| PENNONI ASSOCIATES INC.   |                   |                     |                       |
| DRAWING NO.<br>S-11   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>21 OF 39 |

PENNONI ASSOCIATES, INC.  
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PEN TABLE: PENNONI\BOLTS.tbl  
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DATE PLOTTED: 8/8/2025 6:04:19 AM  
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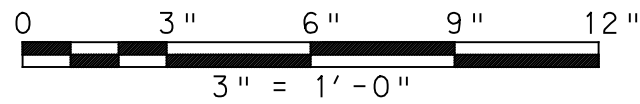
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



EXISTING PLAN



PROPOSED REPAIR



RECOMMENDED ORDER OF SEQUENCE:

1. FIELD VERIFY REPAIR LOCATION AND DIMENSIONS BEFORE FABRICATION.
2. INSTALL SUPPORTS AT REPAIR LOCATION AS NEEDED.
3. REMOVE EXISTING BOLTS.
4. INSTALL NEW BOLTS.



DEFECT PHOTO

LEGEND

- Legend symbols and descriptions:
- PROPOSED BOLT
  - EXISTING BOLT OR RIVET

BURLINGTON COUNTY BRIDGE COMMISSION

RIVERSIDE-DELANCO  
CR 543 OVER THE RANOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ

BRIDGE REHABILITATION

R11 - SWING SPAN L4W BOLT REPLACEMENT

PENNONI ASSOCIATES INC.

REFERENCE NOTES:

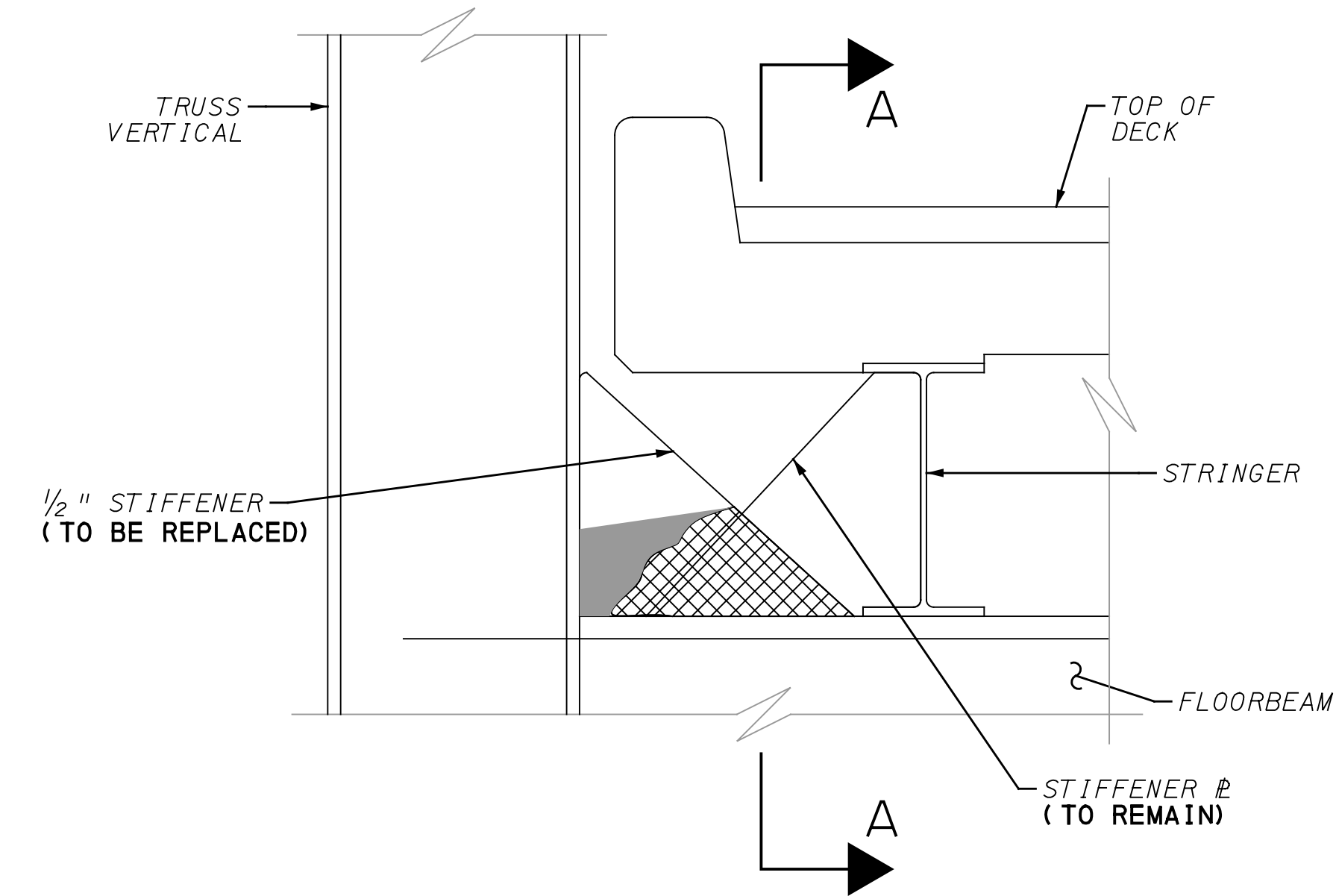
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEETS 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

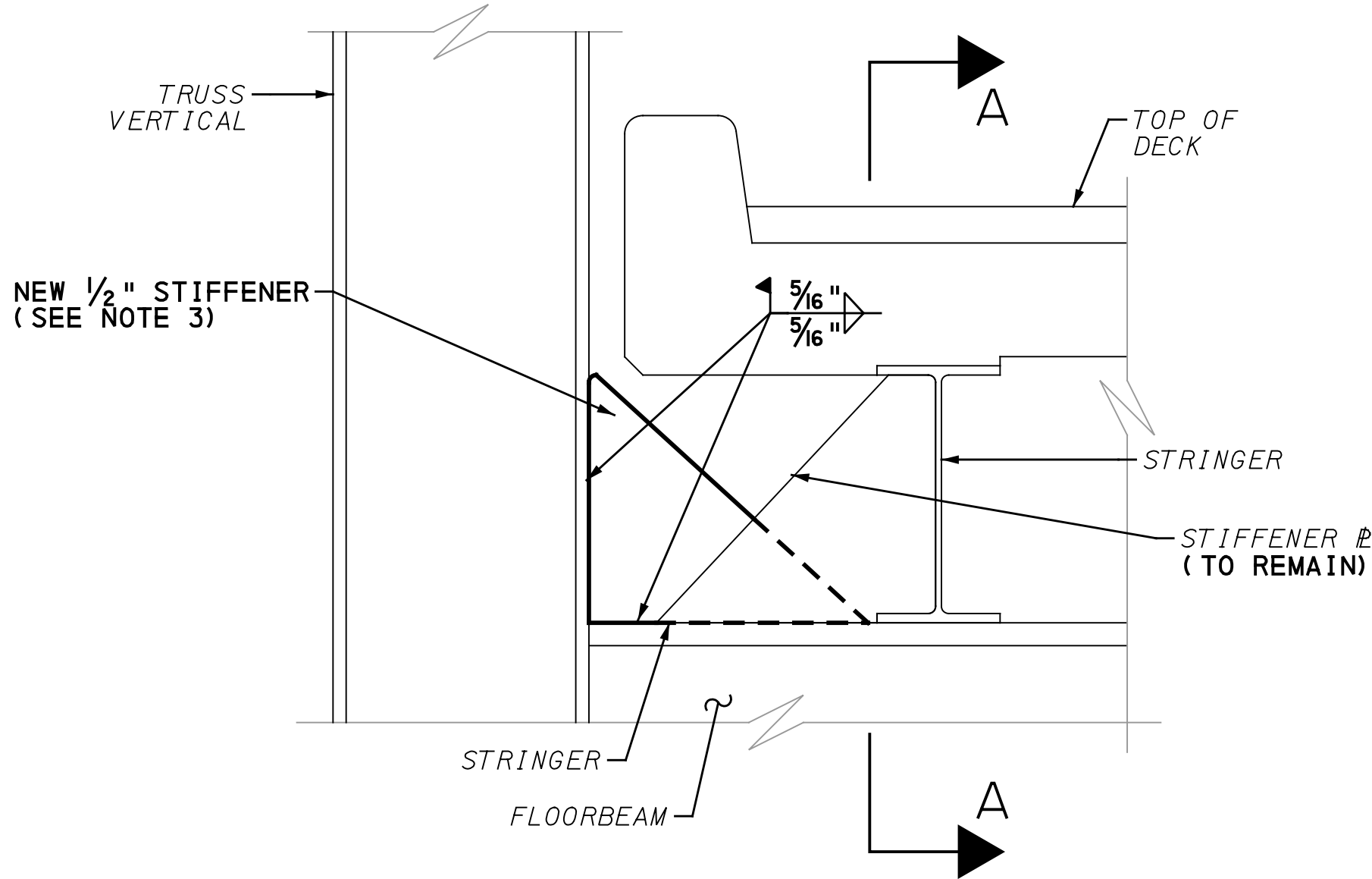
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| DRAWING NO.<br>S-12 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>22 OF 39 |
|---------------------|-------------------|---------------------|-----------------------|



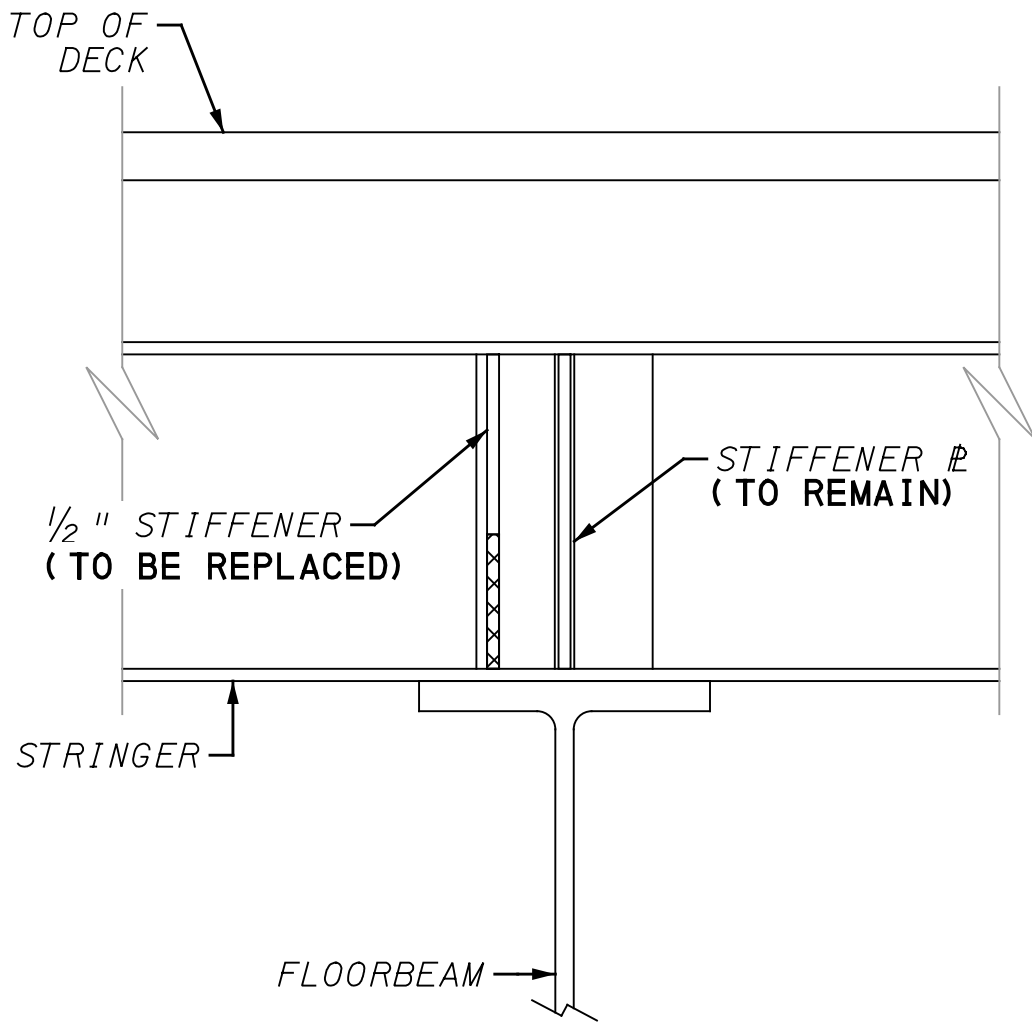
PENNONI ASSOCIATES, INC.  
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DATE PLOTTED: 8/6/2025 6:04:35 AM  
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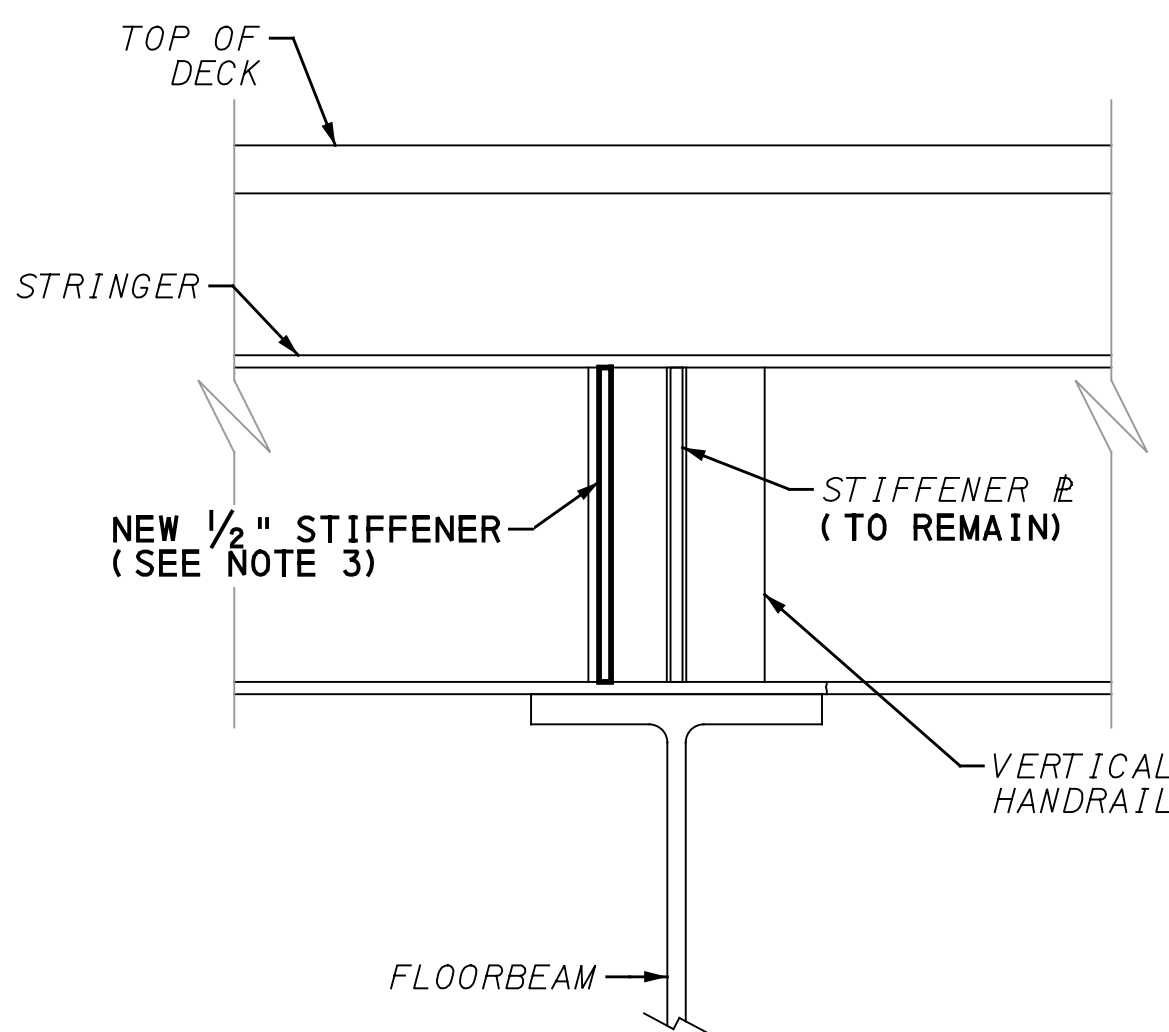
**EXISTING ELEVATION**  
(LOOKING SOUTH)  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"



**PROPOSED ELEVATION**  
(LOOKING SOUTH)  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"



**EXISTING SECTION A-A**  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"

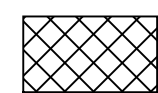


**PROPOSED SECTION A-A**  
1' 9" 6" 3" 0  
1 1/2" = 1'-0"

**NOTES:**

- CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING CORROSION AND SECTION LOSS. IF THE LIMITS ARE DIFFERENT THAN SHOWN ON THESE PLANS, SUBMIT A PROPOSED REPAIR TO THE ENGINEER PRIOR TO ORDERING OR FABRICATING MATERIALS.
- CLEAN AND PAINT EXISTING STEEL IN ACCORDANCE WITH SECTION 554 OF THE SUPPLEMENTAL SPECIFICATIONS BEFORE INSTALLING REPAIR PLATES AND ANGLES.
- CONTRACTOR TO PERFORM FIELD MEASUREMENTS OF THE STIFFENER PLATE TO BE REPLACED.

**LEGEND:**



EXISTING 100%  
SECTION LOSS



EXISTING PARTIAL  
SECTION LOSS

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 8.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

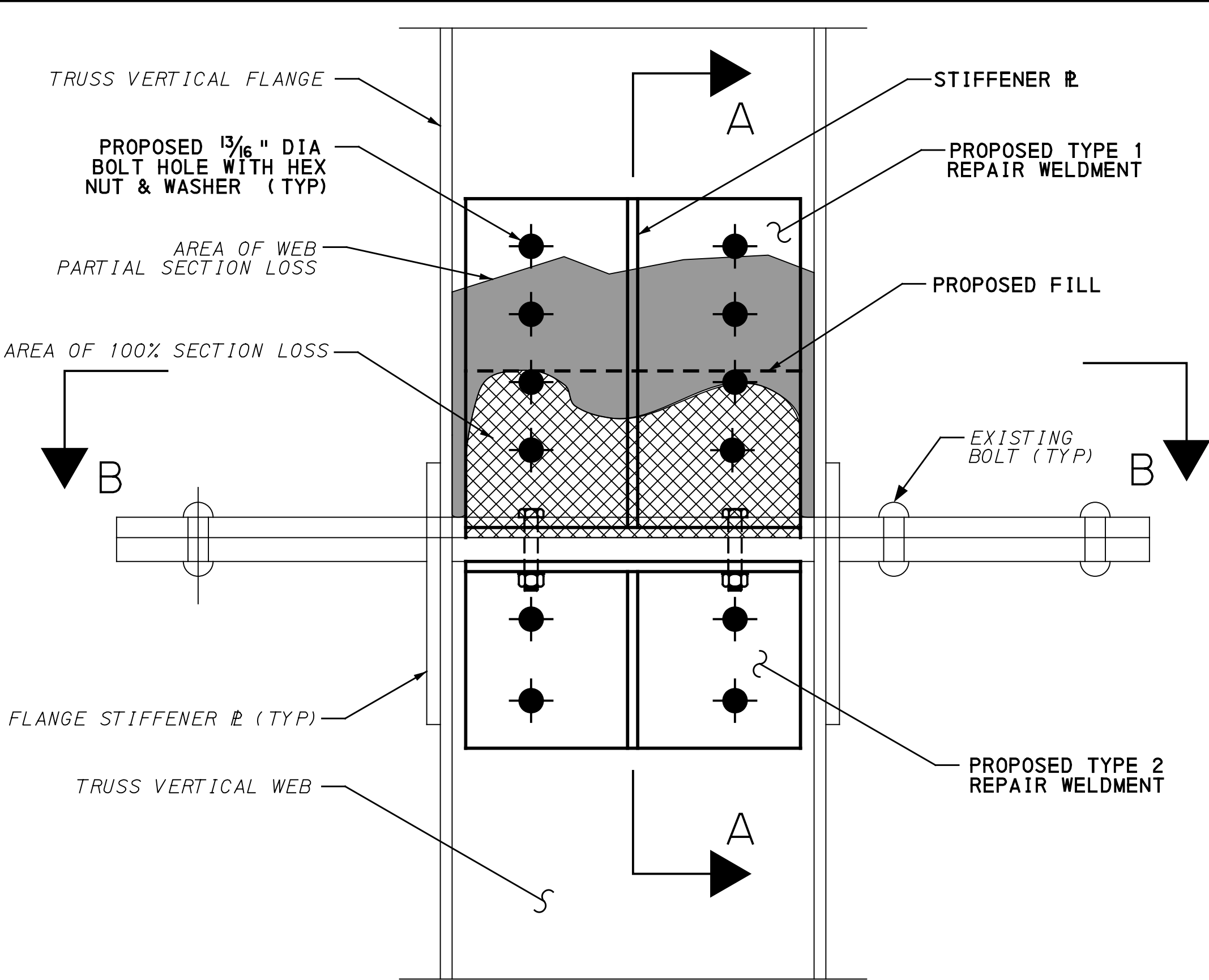


**DEFECT PHOTOS**

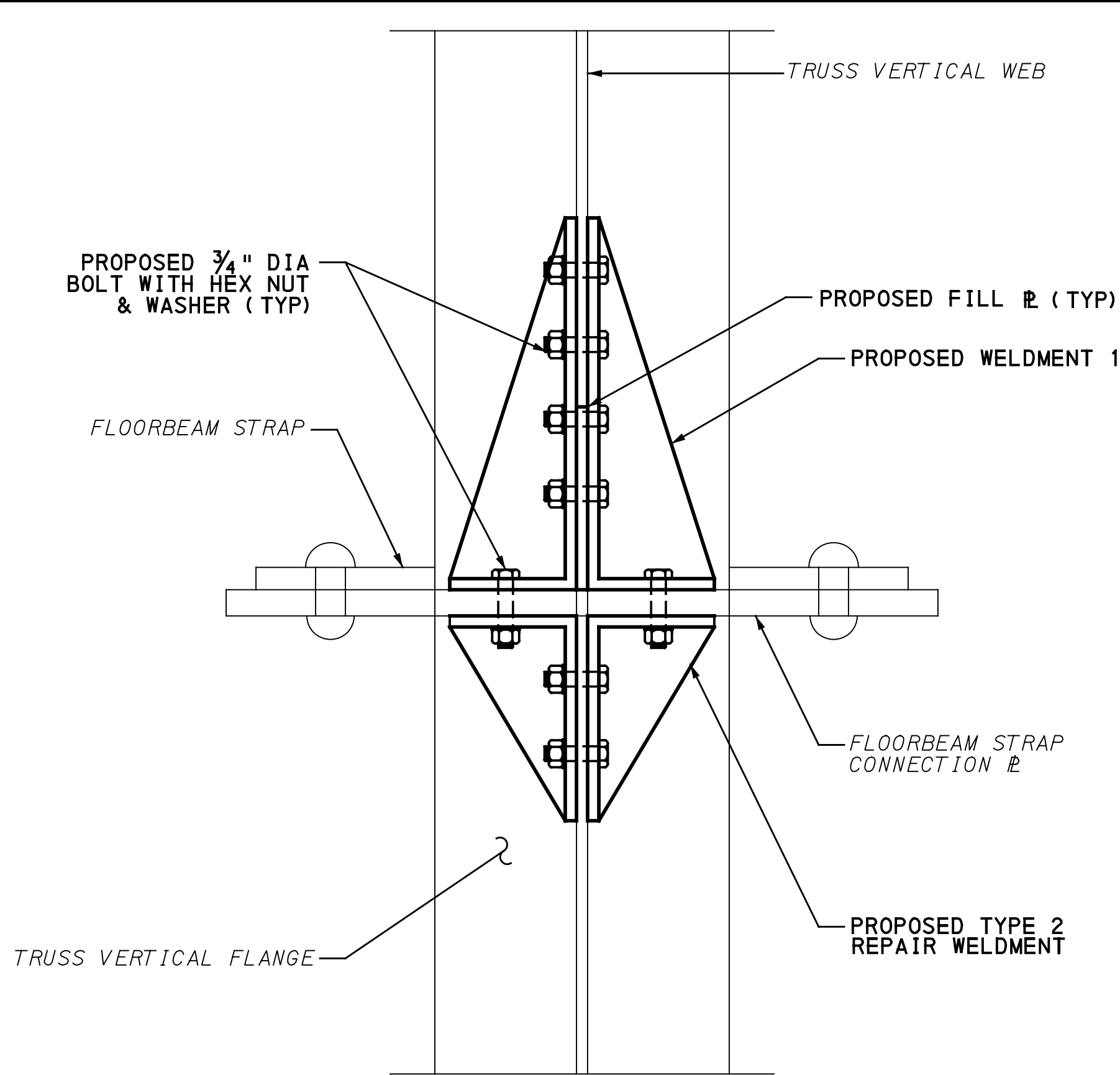
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R12 - RIVERSIDE SPAN<br>STIFFENER PLATE<br>REPLACEMENT DETAILS                   |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-13  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>23 OF 39 |

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_

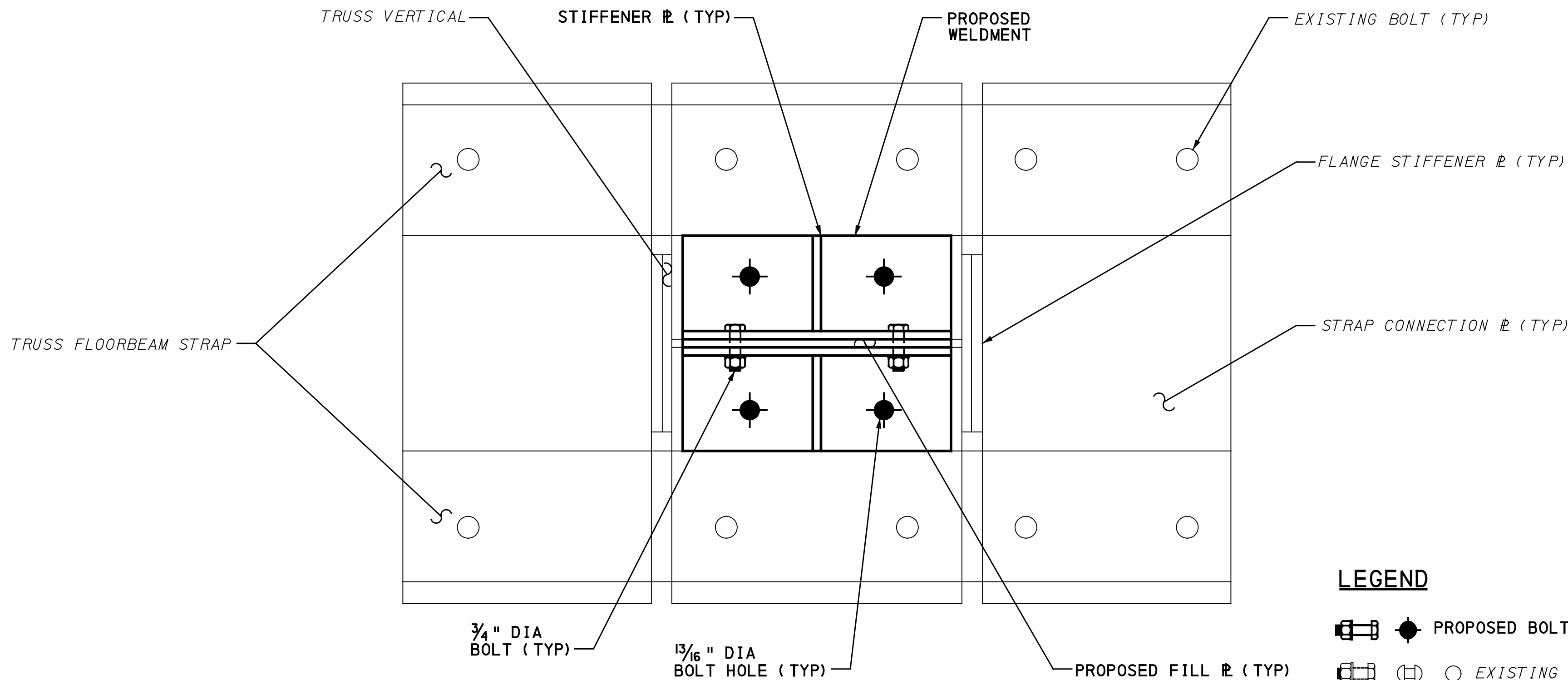
PENNONI ASSOCIATES, INC.  
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PEN TABLE: PENNONI-PGC.tbl  
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DATE PLOTTED: 8/6/2025 8:04:46 AM  
USER NAME: jdguski



**ELEVATION**  
N. T. S.



**SECTION A-A**  
N. T. S.



**SECTION B-B**  
N. T. S.

**LEGEND**

|  |                               |
|--|-------------------------------|
|  | PROPOSED BOLT                 |
|  | EXISTING BOLT OR RIVET        |
|  | EXISTING 100% SECTION LOSS    |
|  | EXISTING PARTIAL SECTION LOSS |

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

**SEQUENCE OF CONSTRUCTION**

- CLEAN EXISTING STEEL AT REQUIRED LOCATIONS, AT A MINIMUM THOSE LOCATED IN THE REPAIR LOCATION SKETCH.
- MEASURE SECTION LOSS AFTER CLEANING AND DETERMINE REQUIRED REPAIR WELDMENT SIZES. FABRICATE WELDMENTS ACCORDINGLY.
- NEEDLE GUN EXISTING STEEL AT LOCATIONS TO BE REPAIRED.
- DRILL BOLT HOLES IN THE WEB AND STIFFENER PLATES USING WELDMENT BOLT HOLES AS A DRILLING TEMPLATE.
- CUT OUT THE EDGES OF THE 100% SECTION LOSS AREA STRAIGHT.
- APPLY CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL TO THE TOP OF THE FLOORBEAM STRAP CONNECTION PLATES ON BOTH SIDES OF THE TRUSS VERTICAL.
- PLACE ONE TYPE 1 REPAIR WELDMENT ANGLE ON ONE SIDE OF THE UPPER PORTION OF THE TRUSS VERTICAL. PLACE FILL PLATE (INTO THE HOLE CUT IN STEP 5).
- FILL THE VOIDS BETWEEN THE WEB, WELDMENT, AND FILL PLATE, INCLUDING HOLES DUE TO SECTION LOSS IN THE WEB, WITH CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL, THEN PLACE THE REPAIR WELDMENT ON THE OPPOSITE SIDE.
- INSTALL BOLTS AND TIGHTEN AS REQUIRED.
- REPEAT STEPS 3-9 AT ADDITIONAL LOCATIONS WHERE REPAIR IS NECESSARY.



**DEFECT PHOTO**

**BURLINGTON COUNTY BRIDGE COMMISSION**  
**RIVERSIDE-DELANCO**  
**CR 543 OVER THE RANOCAS CREEK**  
**RIVERSIDE, NJ DELANCO, NJ**

**BRIDGE REHABILITATION**

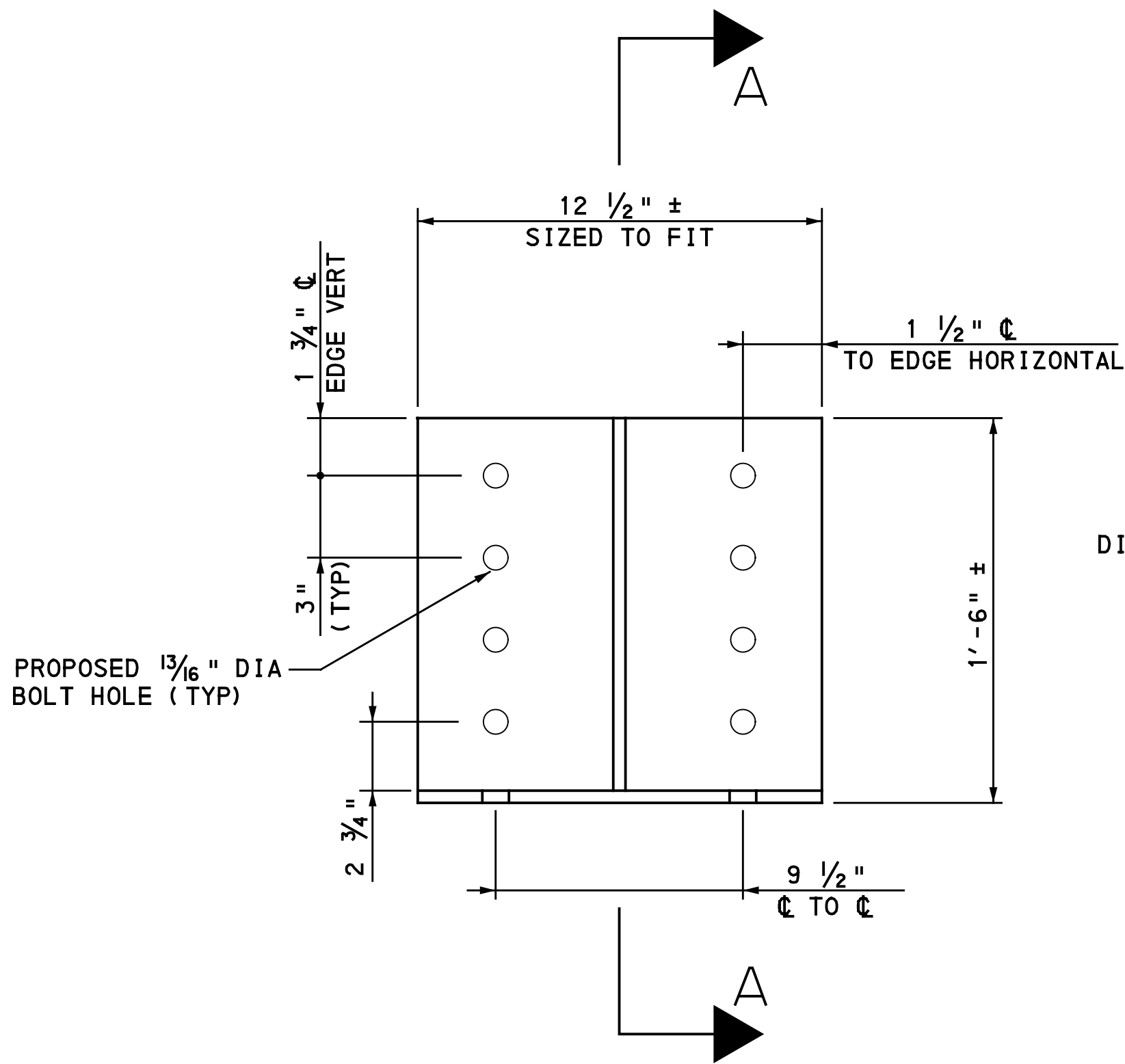
**R13 - SWING SPAN TRUSS**  
**REPAIR DETAILS - 1**

**PENNONI ASSOCIATES INC.**

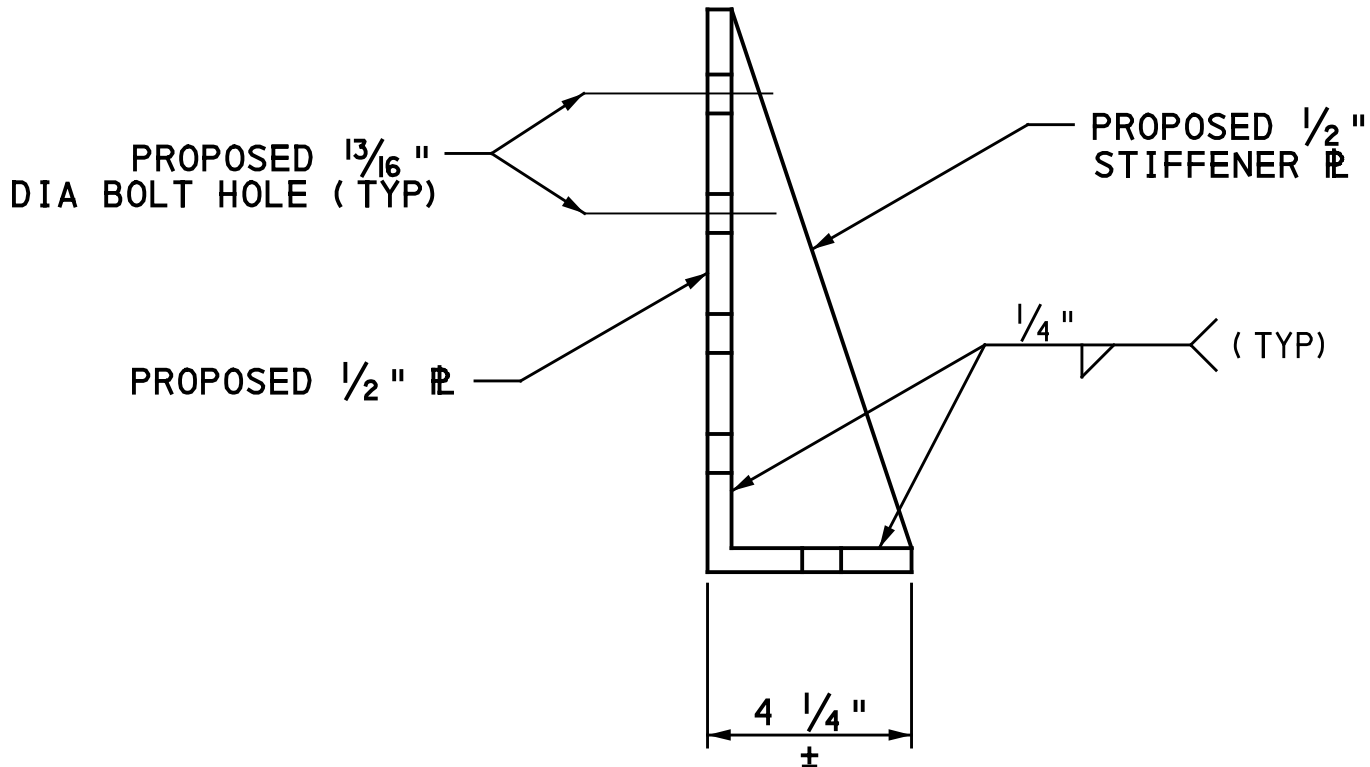
|                     |                   |                     |                       |
|---------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>S-14 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>24 OF 39 |
|---------------------|-------------------|---------------------|-----------------------|

PENNONI ASSOCIATES INC.  
FILE NAME: BU0823XXC TRUSS 11.dgn  
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PLOT DRIVER: VSE-FULLSIZE-PDF-PLTCEG  
DATE PLOTTED: 8/6/2025 8:04:55 AM  
USER NAME: ggguski

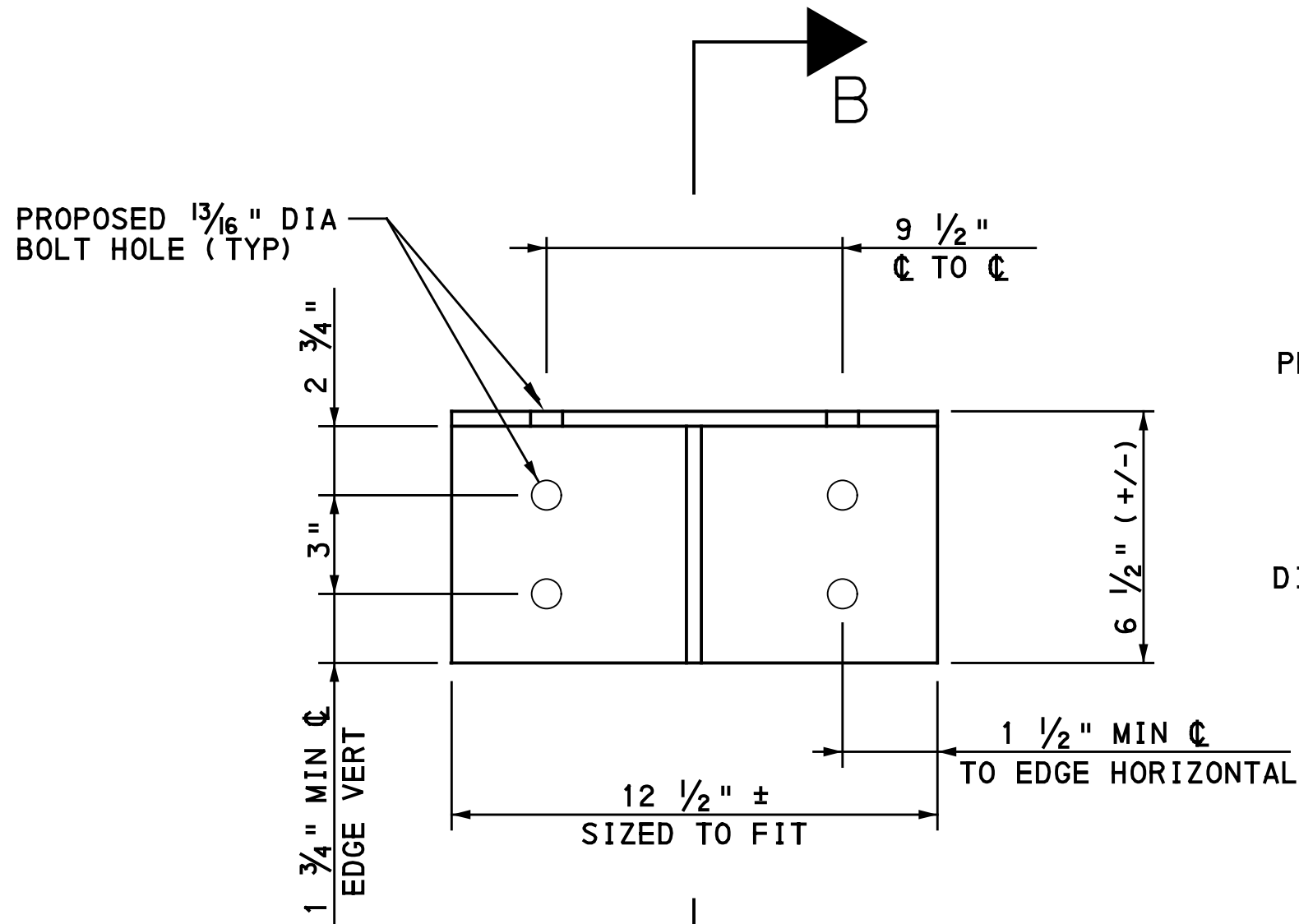
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



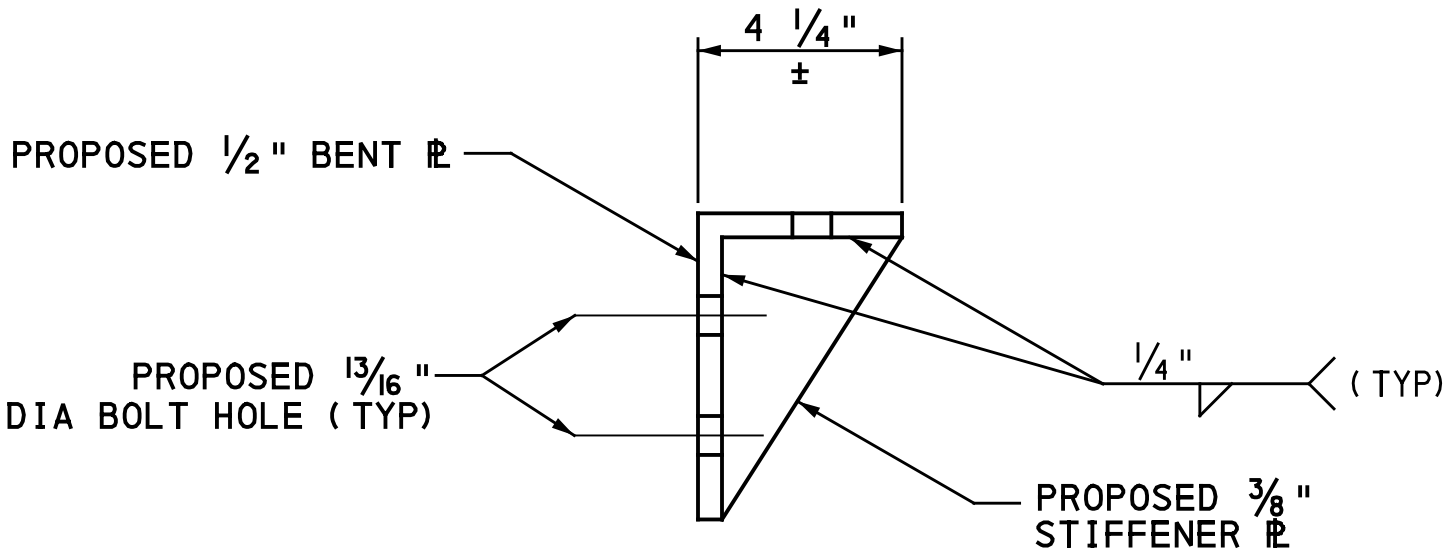
**WELDMENT 1 DETAIL**  
N. T. S.



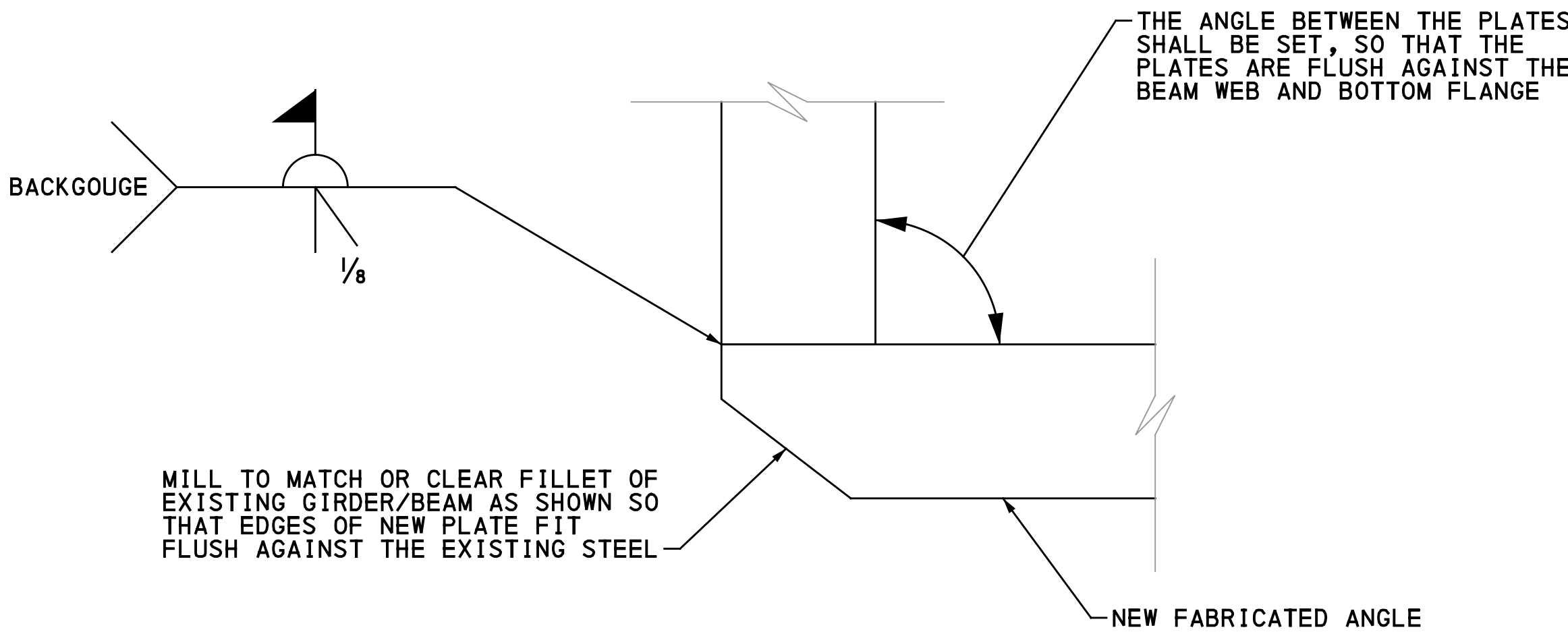
**SECTION A-A**  
N. T. S.



**WELDMENT 2 DETAIL**  
N. T. S.



**SECTION B-B**  
N. T. S.



**DETAIL A**  
N. T. S.

**LEGEND**

- PROPOSED BOLT  
EXISTING BOLT OR RIVET

**REFERENCE NOTES:**

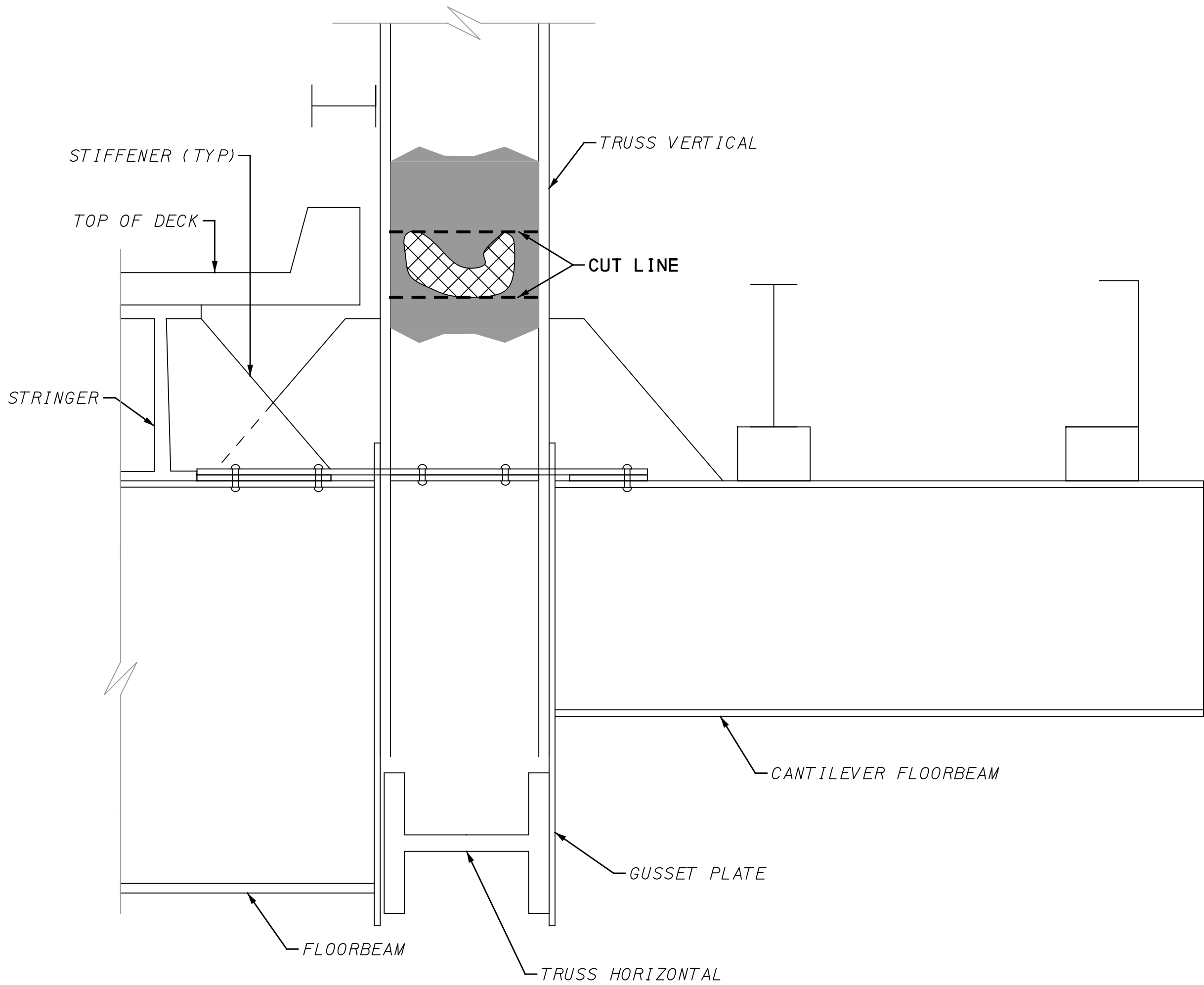
- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

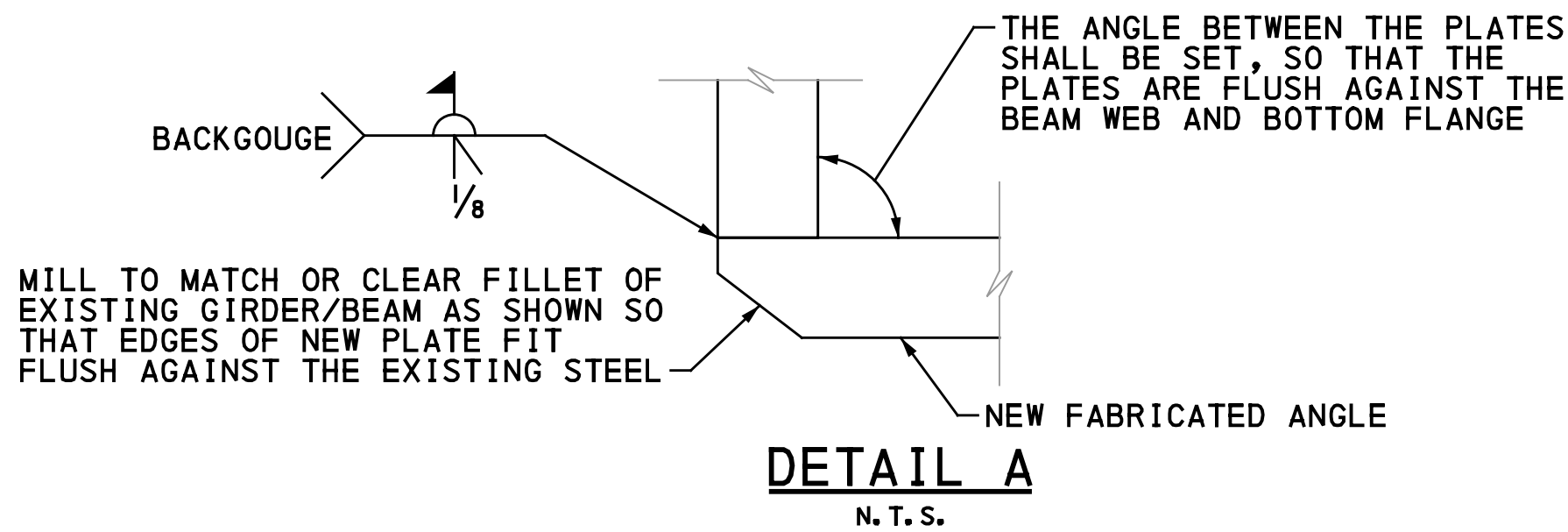
|  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R13 - SWING SPAN TRUSS<br>REPAIR DETAILS - 2                                     |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-15  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>25 OF 39 |



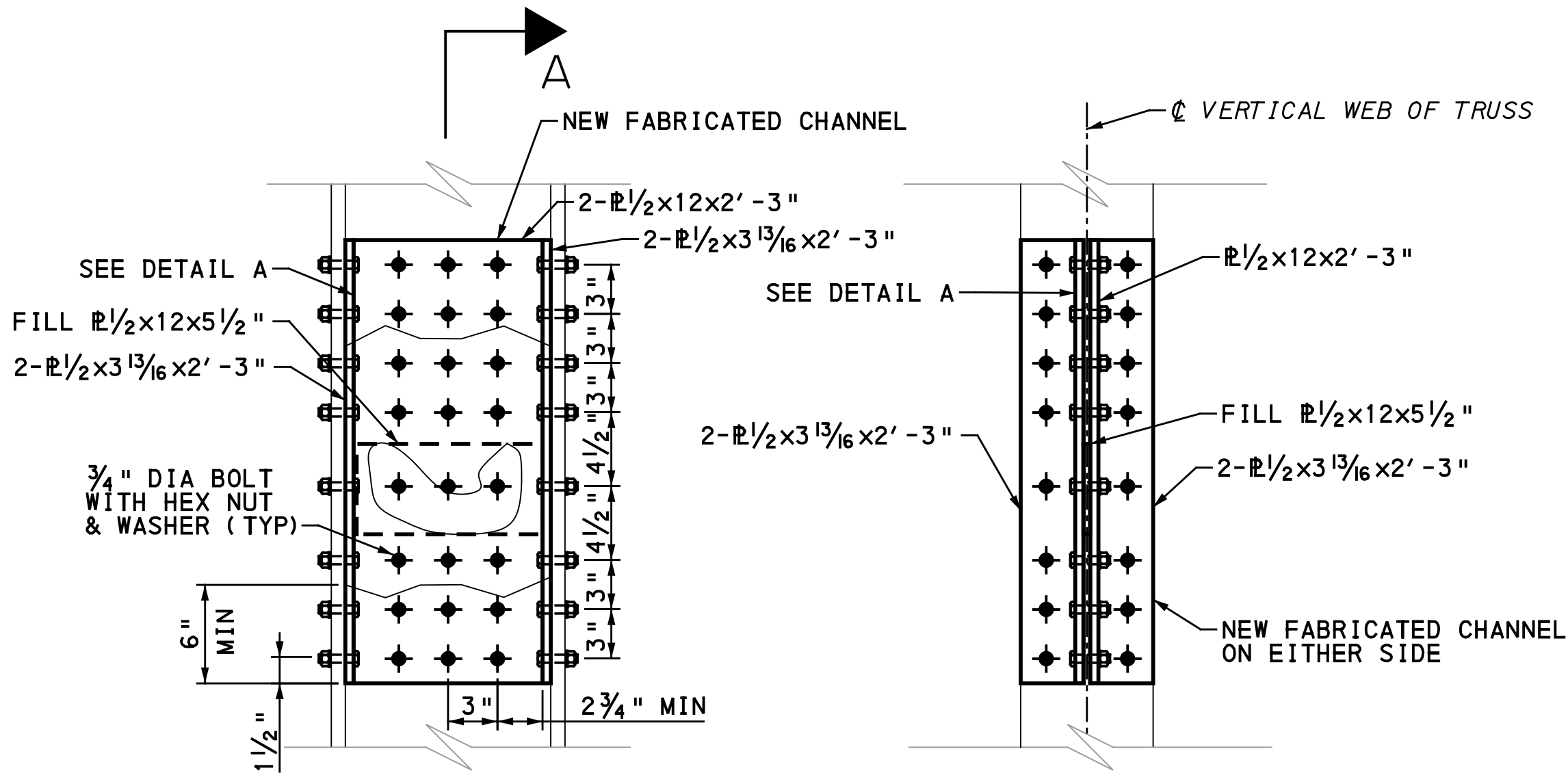
PENNONI ASSOCIATES, INC.  
FILE NAME: BU0823XXC TRUSS 2.dgn  
PEN TABLE: PENNONI-PGC.tbl  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT66  
DATE PLOTTED: 8/6/2025 8:03:03 AM  
USER NAME: jdguski



EXISTING CONDITION  
(LOOKING SOUTH)  
0 3" 6" 9" 12"  
3" = 1'-0"



Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



PROPOSED REPAIR  
(LOOKING SOUTH)  
0 3" 6" 9" 12"  
3" = 1'-0"

SECTION A-A

0 3" 6" 9" 12"  
3" = 1'-0"

RECOMMENDED ORDER OF CONSTRUCTION:

1. FIELD VERIFY REPAIR LOCATION AND DIMENSIONS BEFORE FABRICATION.
2. INSTALL SUPPORTS AT REPAIR LOCATION AS NEEDED.
3. PRIOR TO THE INSTALLATION OF THE NEW FABRICATED CHANNEL, CLEAN THE DETERIORATED AREA FOR A 2" MINIMUM BEYOND THE OUTLINE OF THE REPAIR CONTACT AREA AND APPLY A PRIMER TO THE BASE METAL. FEATHER THE EDGE OF THE PAINT THAT REMAINS.
4. PRIOR TO PLACING THE PROPOSED FABRICATED CHANNEL, FILL AREAS OF SECTION LOSS AND PREVIOUS PACK RUST ON THE EXISTING STEEL WITH CARBOLINE KOP-COAT A-788 SPLASH ZONE MASTIC OR APPROVED EQUAL.
5. INSTALL NEW FABRICATED CHANNEL.
6. INSTALL STRUCTURAL BOLTS AND TENSION PER SPECS.

LEGEND

- PROPOSED BOLT
- EXISTING BOLT OR RIVET
- EXISTING 100% SECTION LOSS
- EXISTING PARTIAL SECTION LOSS



DEFECT PHOTO

REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 8.

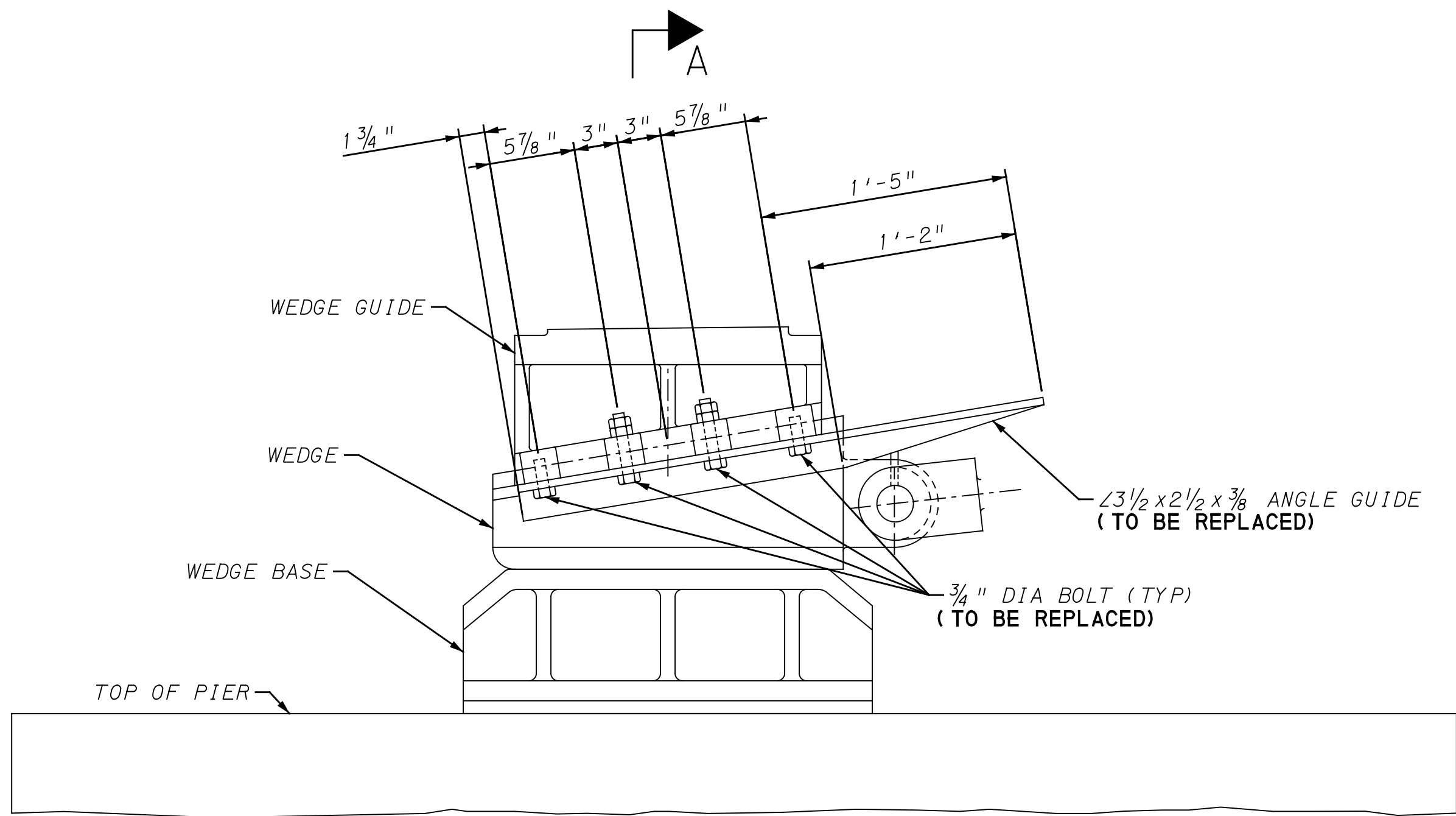
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|   |                   |                     |                       |
|---|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION   |                   |                     |                       |
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION   |                   |                     |                       |
| R14 - RIVERSIDE SPAN TRUSS<br>REPAIR DETAILS                                    |                   |                     |                       |
| PENNONI ASSOCIATES INC.   |                   |                     |                       |
| DRAWING NO.<br>S-16   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>26 OF 39 |

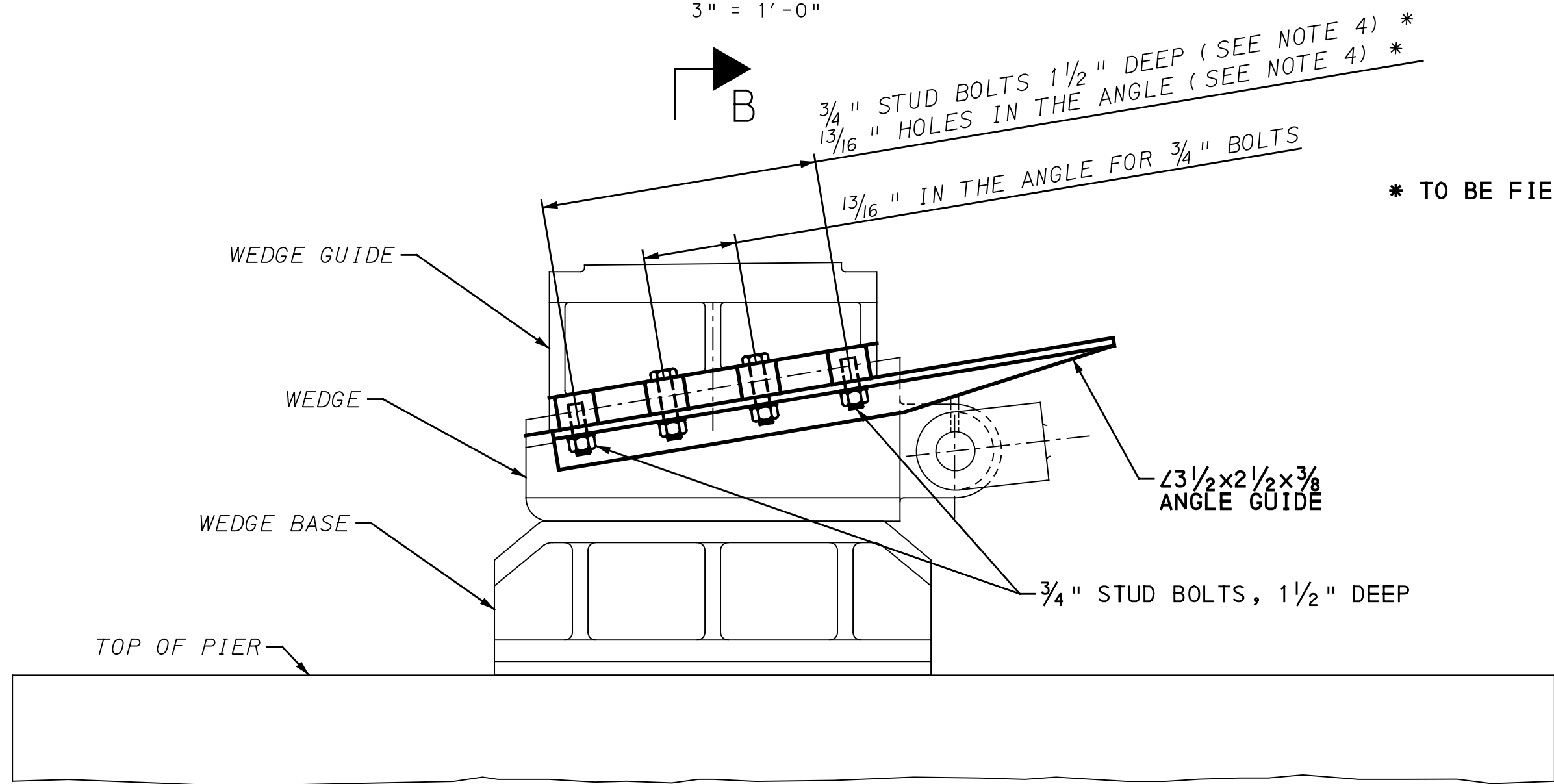
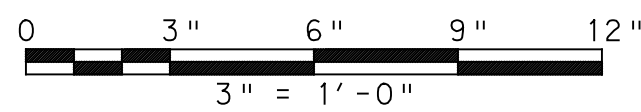


PENNONI ASSOCIATES INC.  
FILE NAME: GUB03XXXXX WEDGE BOLTS 2.dgn  
PEN TABLE: PENNONI-PGC.TBL  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT66  
DATE PLOTTED: 8/8/2025 6:03:17 AM  
USER NAME: jdguski

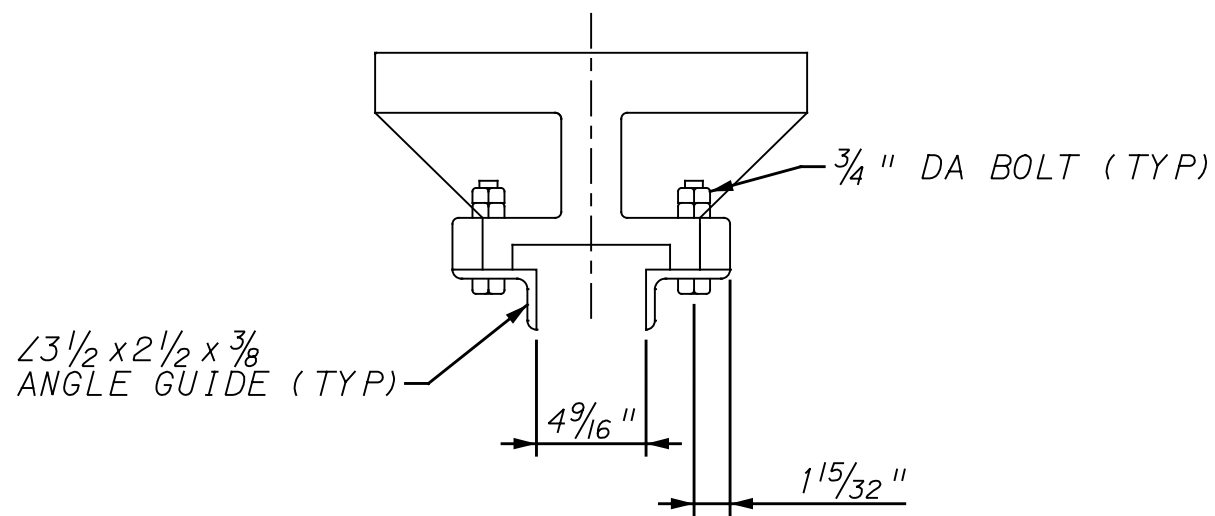
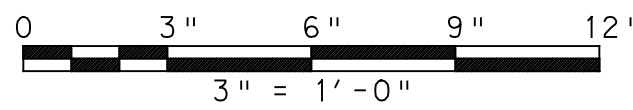
Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



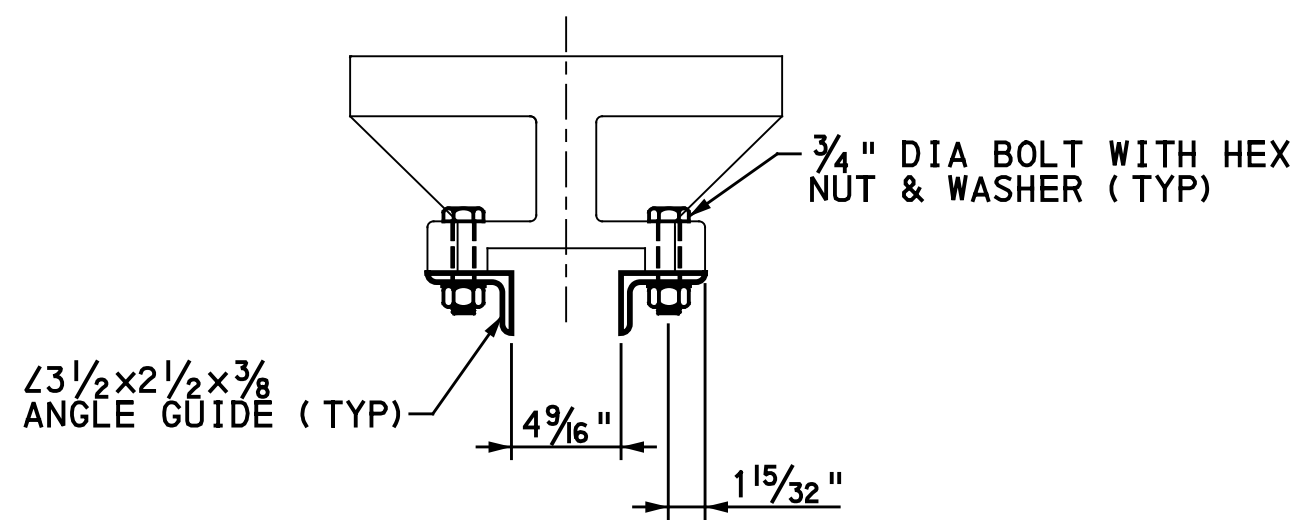
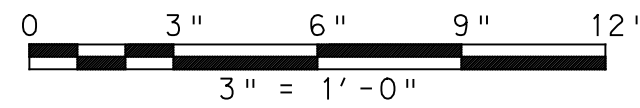
END WEDGE ELEVATION



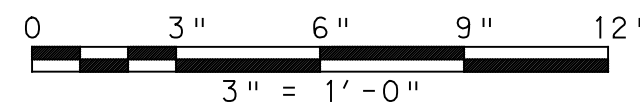
END WEDGE ELEVATION



SECTION A-A



SECTION B-B



DEFECT PHOTOS

**RECOMMENDED ORDER OF CONSTRUCTION:**

1. FIELD VERIFY REPAIR LOCATION AND DIMENSIONS BEFORE FABRICATION.
2. INSTALL SUPPORTS AT REPAIR LOCATIONS AS NEEDED.
3. REMOVE EXISTING INNER BOLTS.
4. USE SCREW EXTRACTOR TO REMOVE OUTER STUD BOLTS. IF OUTER STUD BOLTS CAN NOT BE REMOVED DRILL OUT STUD BOLTS AND TAP NEW THREADS FOR  $\frac{7}{8}$ " DIAMETER STUD BOLTS. IN CASE OF USING  $\frac{7}{8}$ " STUD BOLTS HOLES IN THE ANGLE GUIDE FOR THESE BOLTS SHALL BE  $\frac{15}{16}$ " DIAMETER.
5. REPLACE ANGLE GUIDE PLATE AND INSTALL NEW BOLTS.
6. ANGLE GUIDES ON BOTH SIDES OF THE BEARING SHALL BE REPLACED, REPLACE ONLY ONE ANGLE GUIDE AT A TIME.
7. NOTIFY COMMISSION TO LUBRICATE GUIDES BEFORE OPENING THE BRIDGE.

**LEGEND**

- PROPOSED BOLT  
 EXISTING BOLT OR RIVET

**REFERENCE NOTES:**

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

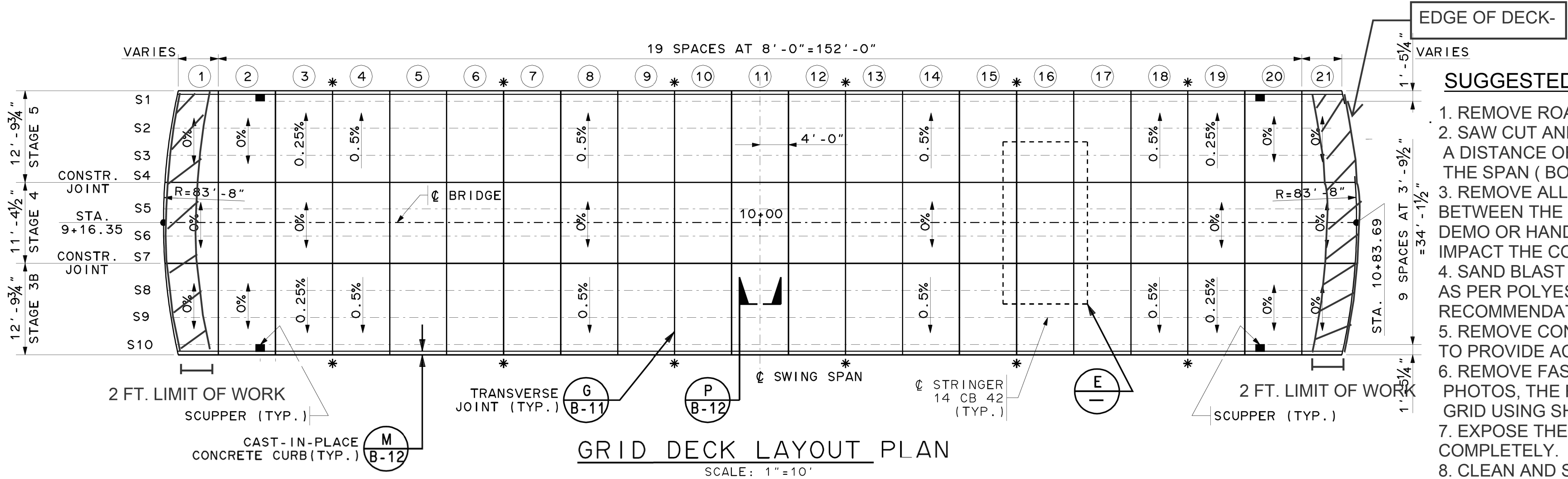
| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| R15 - SWING SPAN LO'E<br>MOUNTING BOLTS WEDGE<br>REPAIR DETAILS                  |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>S-17  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>27 OF 39 |

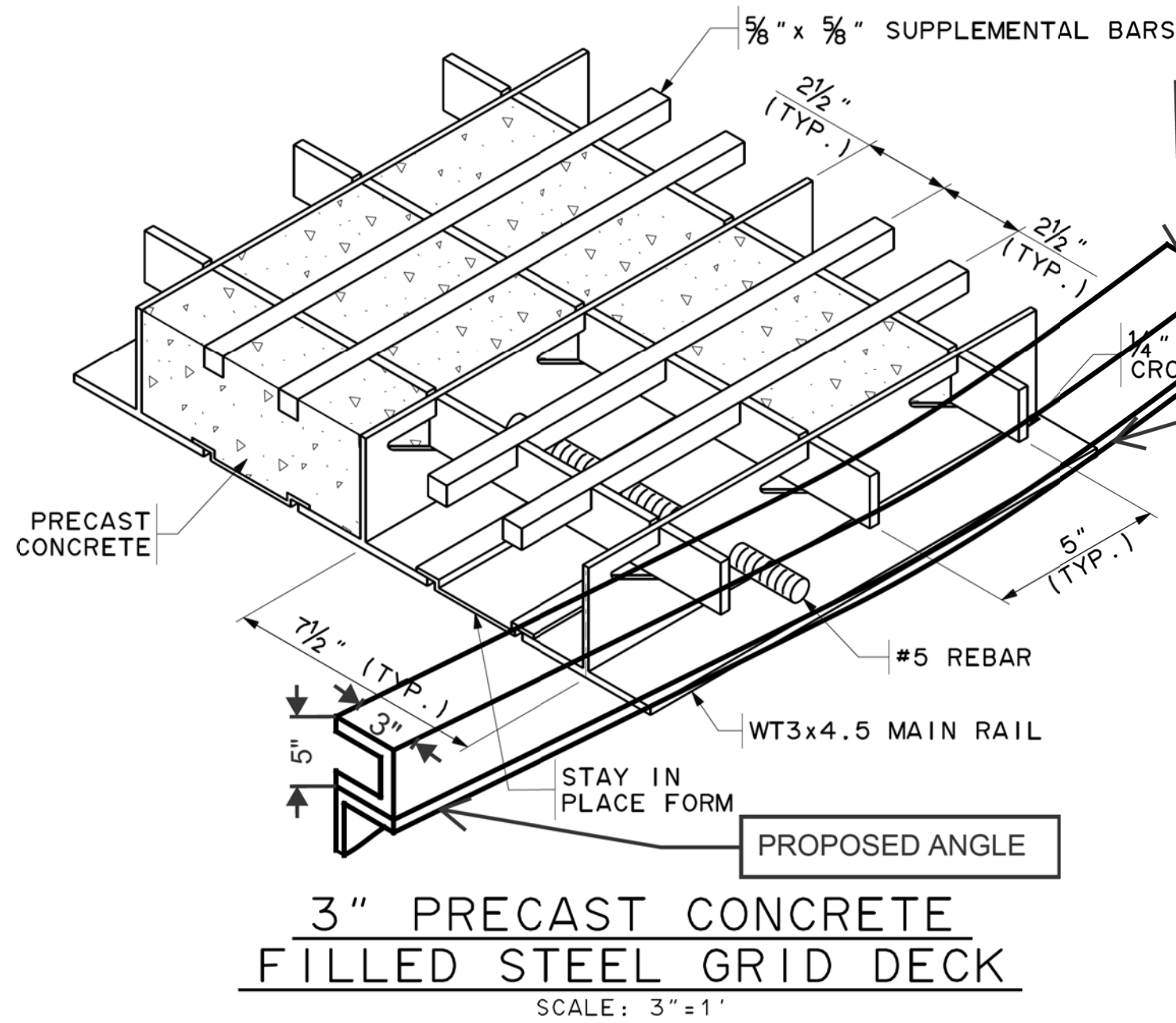


PENNONI ASSOCIATES, INC.  
FILE NAME: R160323XX-DECK.dgn  
PLOT TABLE: PENNONI-PGC.TBL  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT66  
DATE PLOTTED: 8/8/2025 8:03:36 AM  
USER NAME: jdguski

Design GGB CK' d AR  
Drawn GGB CK' d AR  
In Charge \_\_\_\_\_



\* CONTRACTION JOINT LOCATIONS  
FOR CAST-IN-PLACE CONCRETE CURB.



LOCATION OF THE  
PROPOSED BUILT-UP  
SECTION RELATIVE  
TO THE DECK STEEL  
GRID

1/2" MIN THICK  
FABRICATED  
CHANNEL SHAPE.  
USE STEEL RAILS  
CONFORMING TO  
AASHTO M270,  
GRADE 36 OR 50.

CUT DIAPHRAGM TOP  
FLANGE COMPLETELY AND  
BOLT L6X4X3/4 TO  
DIAPHRAGM WEB AREA.  
CONTRACTOR TO FIELD  
VERIFY THAT HORIZONTAL  
LEG OF ANGLE DOES NOT  
EXTEND BEYOND  
FABRICATED CHANNEL.

TEMPORARY OR  
PERMANENT  
FORMWORK  
  
IF STAY IN PLACE  
FORM USED, FILL  
VALLEY WITH  
FOAM OR  
STYROFOAM

REPAIR DETAILS  
N.T.S.

REPAIR DETAILS  
N.T.S.

#### REFERENCE NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3 AND 4.
- FOR GENERAL REPAIR LOCATION PLAN, SEE SHEET 9.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

#### SUGGESTED CONSTRUCTION SEQUENCE:

- REMOVE ROADWAY PLATES AND COLD PATCH.
- SAW CUT AND REMOVE EXISTING BITUMINOUS OVERLAY FOR A DISTANCE OF 2 FEET MEASURED FROM THE STEEL EDGE OF THE SPAN ( BOTH ENDS).
- REMOVE ALL LOOSE AND UNSOUND CONCRETE FROM IN BETWEEN THE DECK STEEL GRID. CONTRACTOR SHALL USE HYDRO DEMO OR HAND TOOLS DEMOLITION METODOLOGY THAT WILL NOT IMPACT THE CONDITION OF THE EXISTING STEEL GRID.
- SAND BLAST CLEANING ALL EXPOSED STEEL GRID AND REBARS AS PER POLYESTER POLYMER CONCRETE (PPC) MANUFACTURER RECOMMENDATIONS.
- REMOVE CONCRETE FROM ALONG THE STEEL DECK EDGE ANGLE TO PROVIDE ACCESS TO ALLOW FOR THE FASCIA ANGLE REMOVAL.
- REMOVE FASCIA ANGLE COMPLETELY. PER THE CONSTRUCTION PHOTOS, THE FASCIA ANGLE WAS TACK WELDED TO THE STEEL GRID USING SHORT STEEL RODS.
- EXPOSE THE FASCIA DIAPHRAM TOP FLANGE AND REMOVE COMPLETELY.
- CLEAN AND SAND BALST THE EXPOSED STEEL AFTER THE REMOVAL OF THE FASCIA ANGLE. ALL EXPOSED EXISTING STEEL SURFACES WITH CONTACT WITH THE NEW STEEL SHALL BE THREE (3) COAT PAINTED AS PER SPECIFICATION SECTION 506. ALL NEW STEEL WITH THE EXCEPTION OF THE RAIL STEEL TO BE PAINTED AS PER SPECIFICATION SECTION 556.
- FABRICATE A BUILT UP CHANNEL SHAPE USING A RAIL STEEL WITH A MINIMUM 1/2" THICKNESS.
- BOLT A STEEL ANGLE WITH A MINIMUM SIZE OF 4X6X3/4" TO THE FASCIA DIAPHRAM USING TWO 3/4" BOLTS, ONE WITH SLOTTED HOLE AND ONE WITH A STANDARD 13/16" DIA. HOLE. FIRST ATTACH THE ANGLE TO THE FASICA DIAPHRAGM WITH ONLY ONE BOLT THROUGH THE SLOTTED HOLE. AFTER FIELD FIT THE ANGLE, DRILL THE SECOND HOLE IN THE DIAPHRAGM AND INSERT THE SECOND BOLT THROUGH THE STANDARD HOLE.
- WELD TWO ALTERNATING STUDS TO THE UNDERSIDE OF THE CHANNEL TOP FLANGE AT A MAXIMUM SPACING OF 6".
- USING HAND TOOLS, REMOVE CONCRETE AS NEEDED TO INSTALL THE STUDS, PROPOSED HOLES FOR THE STUDS SHALL BE 2X STUD DIAMETER.
- WELD THE BUILT-UP SECTION CHANNEL TO THE SUPPORTING ANGLE AFTER ADJUSTING THE TOP OF THE CHANNEL FLANGE ELEVATION USING ALL AROUND WELD.
- REMOVE THE 100% CORRODED SIP FORMS FROM UNDERSIDE OF DECK, AND REMOVE LOOSE CONCRETE.
- INSTALL TEMPORARY OR PERMANANT FORMWORK TO THE UNDERSIDE OF DECK. WRAP THE INNER SURFACE OF THE FORMS WITH PLASTIC SHEET TO PREVENT PPC PRIMER FROM SEEPING THRU, AND TO EASE THE REMOVAL OF THE TEMPORATY FORMS (IF USED).
- INSTALL THE PPC CONCRETE OVERLAY AS SPECIFIED AND RECOMMENDED BY THE MANUFACTURER TO THE LEVEL MATCHING EXISTING BIITUMINOUS OVERLAY.
- SEAL JOINT BETWEEN THE BITUMINOUS OVERLAY AND THE NEW PPC WITH NJDOT APPROVED BITUMINOUS SEALANT.

#### BURLINGTON COUNTY BRIDGE COMMISSION

**RIVERSIDE-DELANCO**  
**CR 543 OVER THE RANOCAS CREEK**  
**RIVERSIDE, NJ DELANCO, NJ**

#### BRIDGE REHABILITATION

**R16 - SWING SPAN DECK**  
**REPAIR DETAILS**

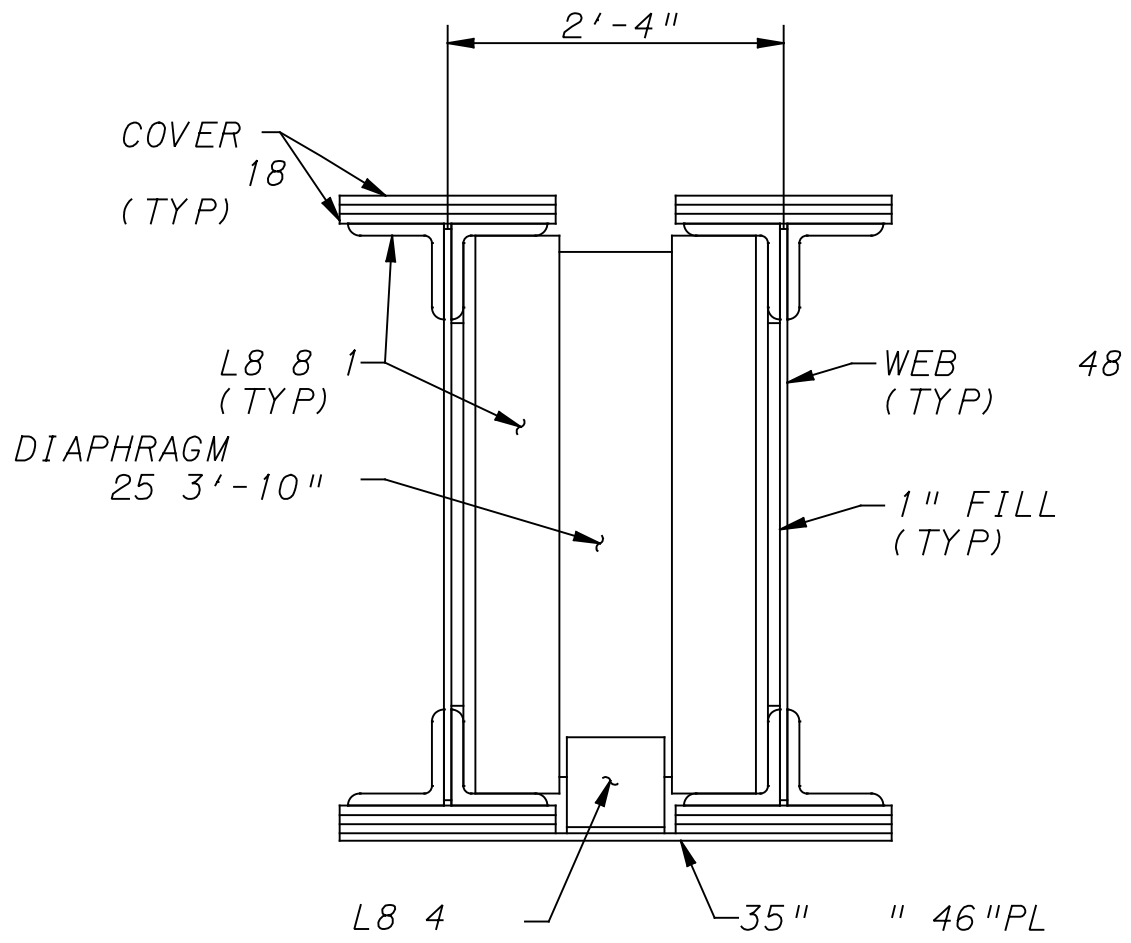
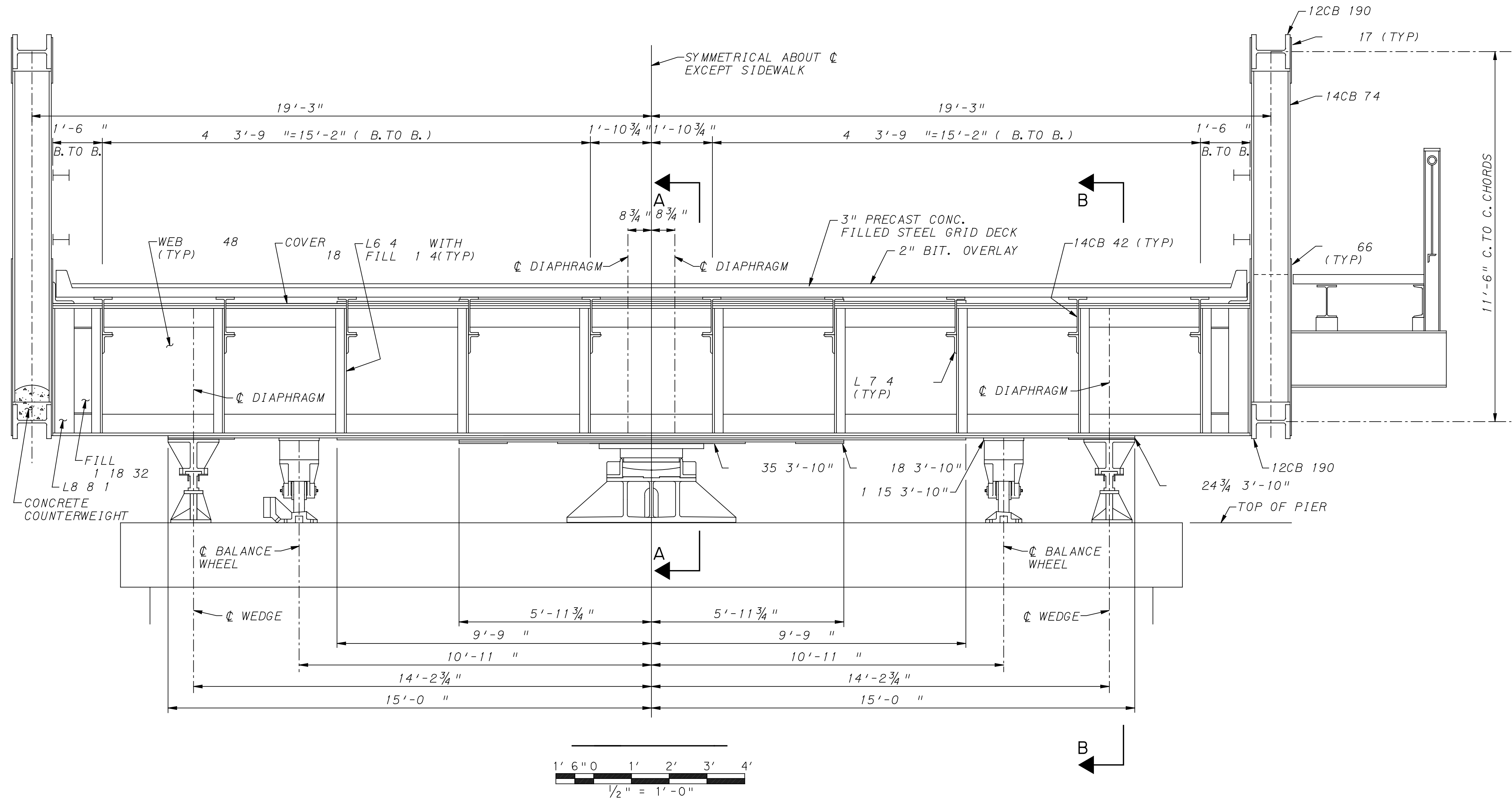
#### PENNONI ASSOCIATES INC.

| DRAWING NO. | SCALE    | DATE        | SHEET NO. |
|-------------|----------|-------------|-----------|
| S-18        | AS SHOWN | AUGUST 2025 | 28 OF 39  |

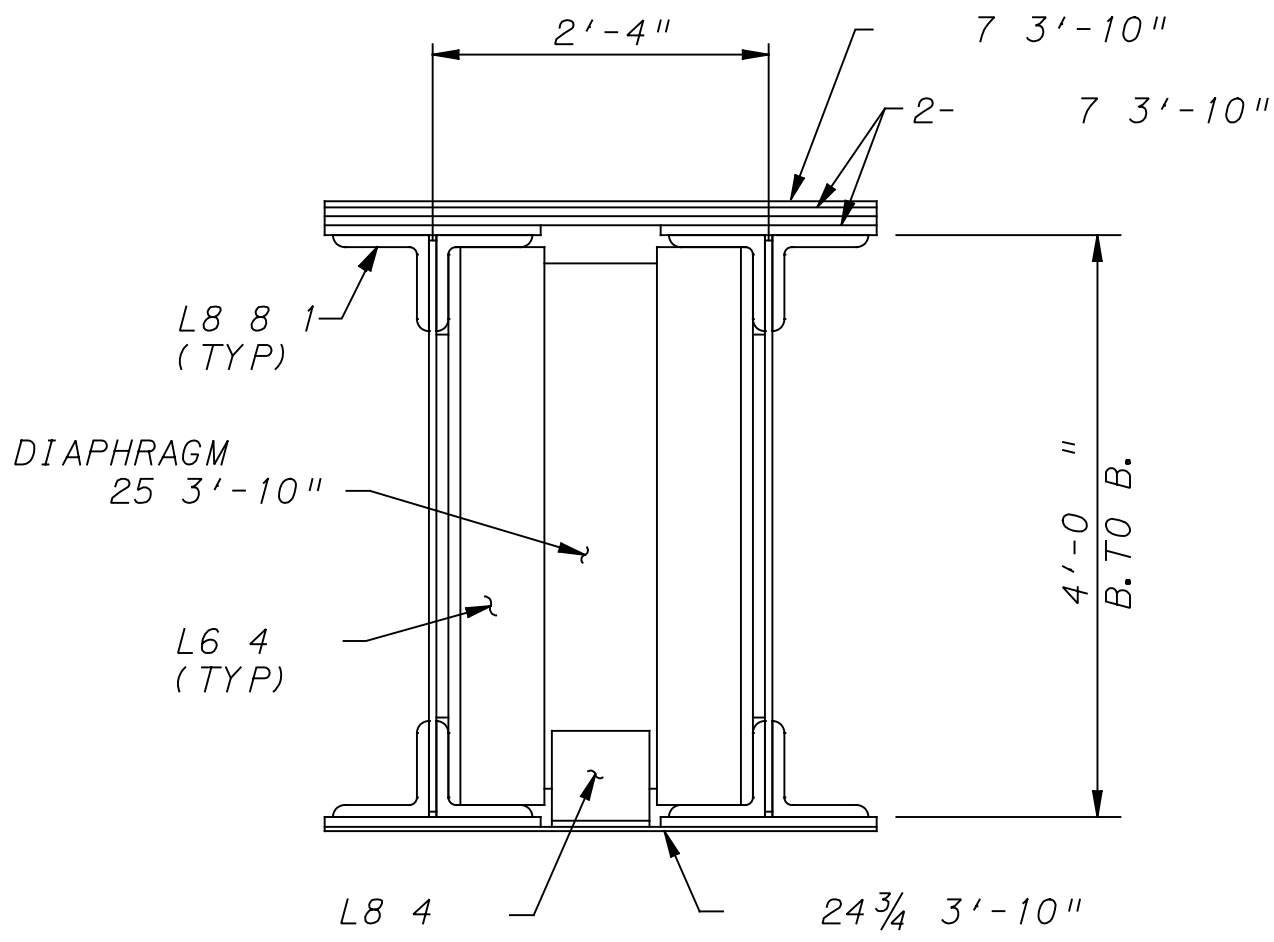
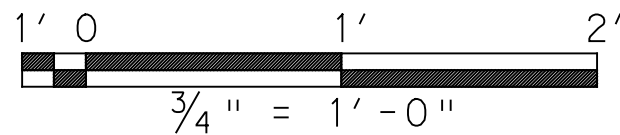


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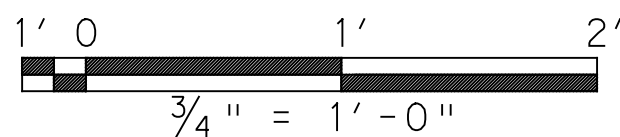
Design EJH CK' d JV  
Drawn GGB CK' d JV  
In Charge \_\_\_\_\_



SECTION A-A



SECTION B-B



NOTE: MACHINERY NOT SHOWN FOR CLARITY.

**BURLINGTON COUNTY BRIDGE COMMISSION**  
**RIVERSIDE-DELANCO BRIDGE**  
**CR 543 OVER THE RANOCAS CREEK**  
**RIVERSIDE, NJ DELANCO, NJ**

**BRIDGE REHABILITATION**

**BRIDGE PAINTING - GIRDER ELEVATION**

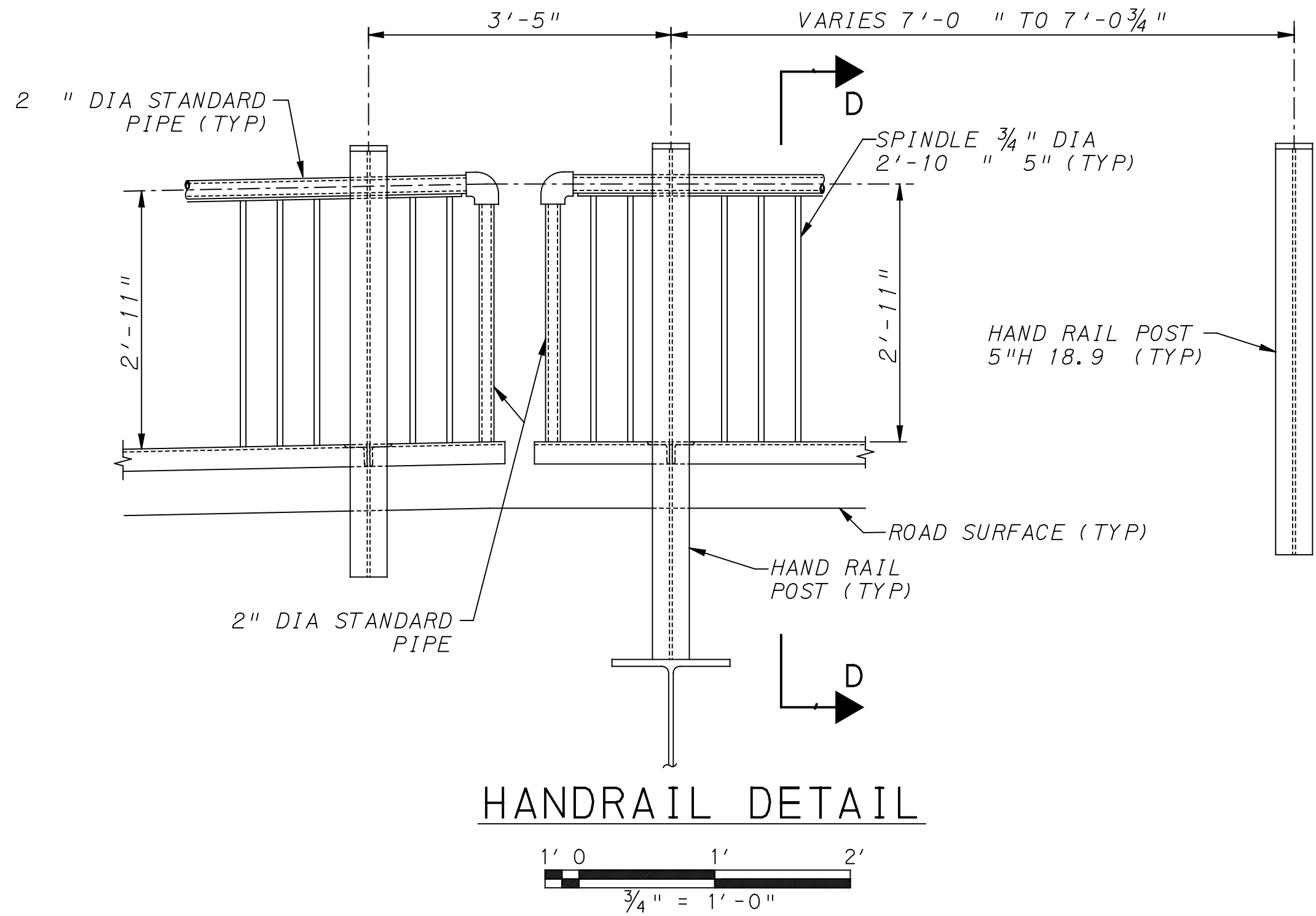
**PENNONI**

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

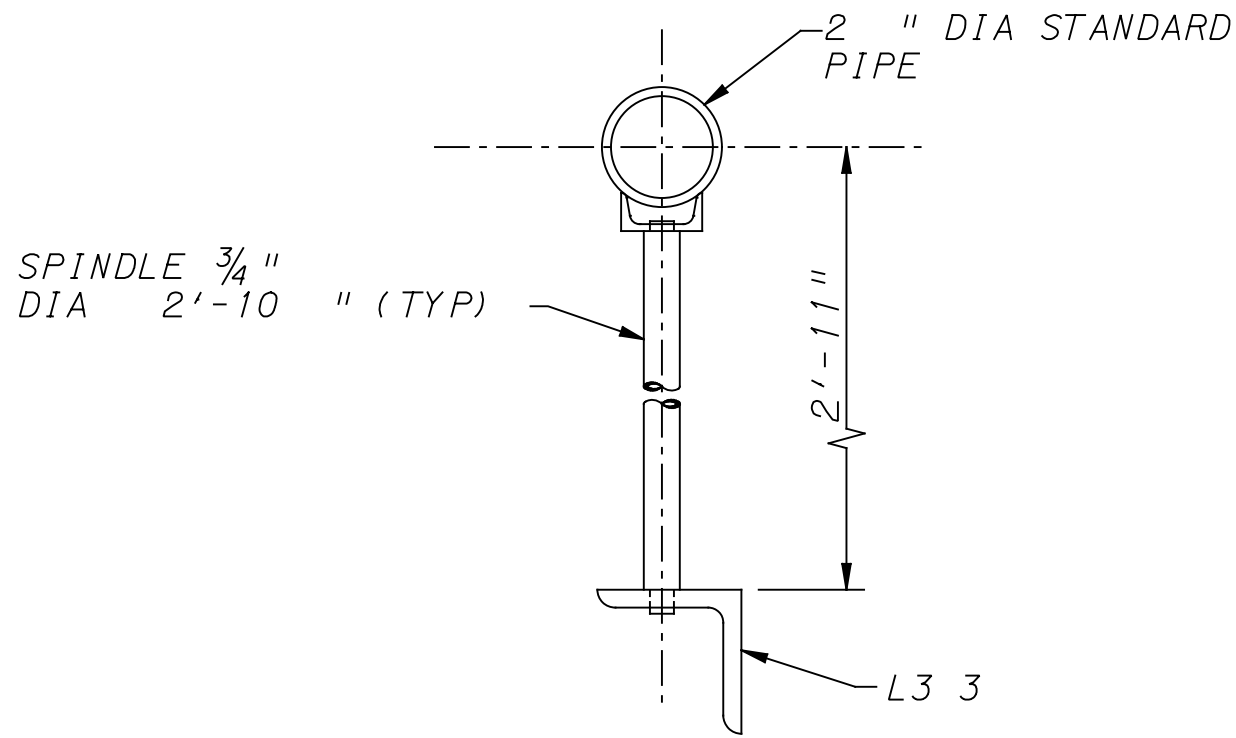
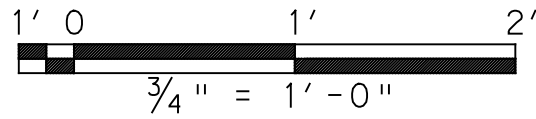
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| DRAWING NO.<br>P-2 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>30 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|

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DATE PLOTTED: : : AM  
USER NAME:

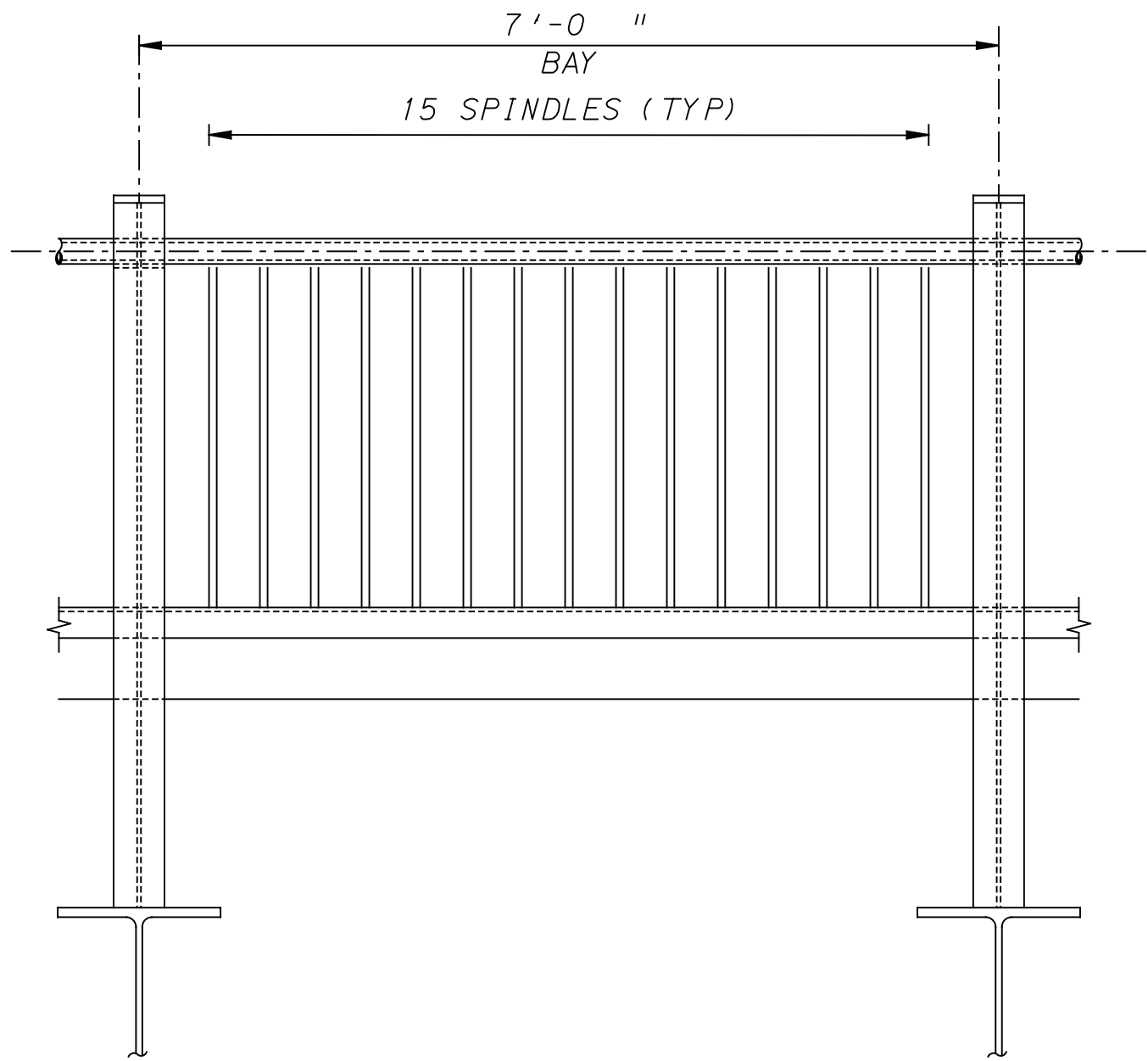
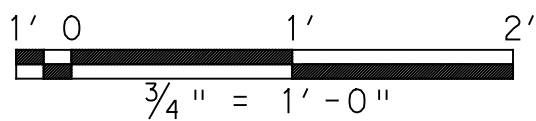
Design EJH    Ck' d JV  
Drawn GGB    Ck' d JV  
In Charge \_\_\_\_\_



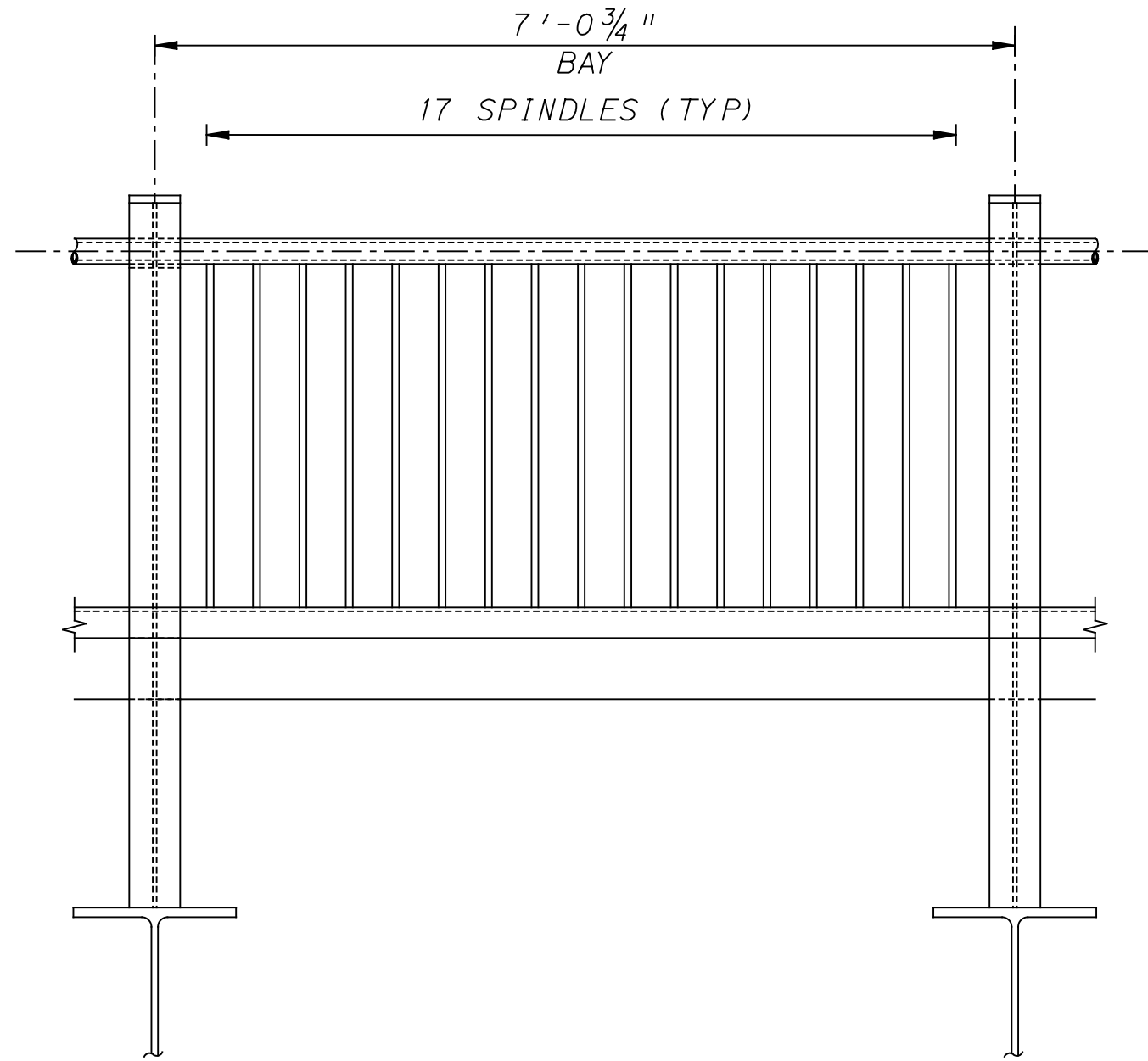
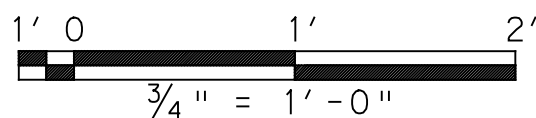
HANDRAIL DETAIL



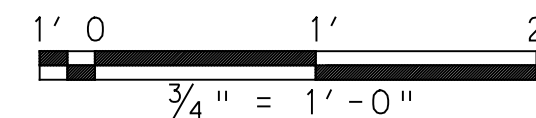
SECTION D-D



HANDRAIL DETAIL-APPROACH SPAN



HANDRAIL DETAIL-SWING SPAN



| SPINDLE UANTITY |                  |     |
|-----------------|------------------|-----|
| APPROACH SPAN   | NUMBER OF BAYS   | 16  |
|                 | SPINDLES PER BAY | 15  |
|                 | EXTRA SPINDLES   | 10  |
|                 | TOTAL            | 250 |
| SWING SPAN      | NUMBER OF BAYS   | 20  |
|                 | SPINDLES PER BAY | 17  |
|                 | EXTRA SPINDLES   | 4   |
|                 | TOTAL            | 344 |

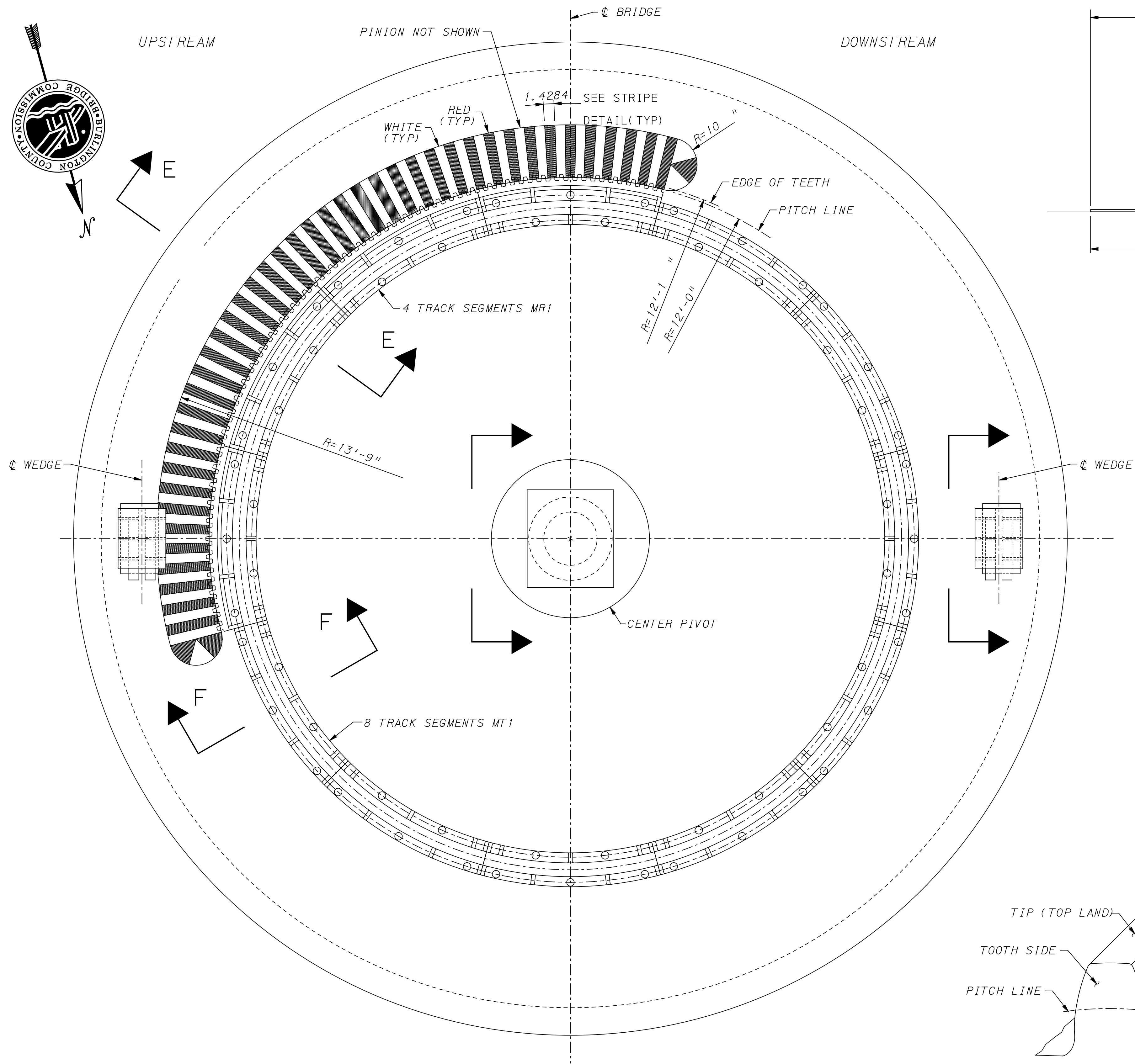
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO BRIDGE<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ      DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| BRIDGE PAINTING - HANDRAIL<br>DETAIL   |                   |                     |                       |
| PENNONI  |                   |                     |                       |
| DRAWING NO.<br>P-3   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>31 OF 39 |

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

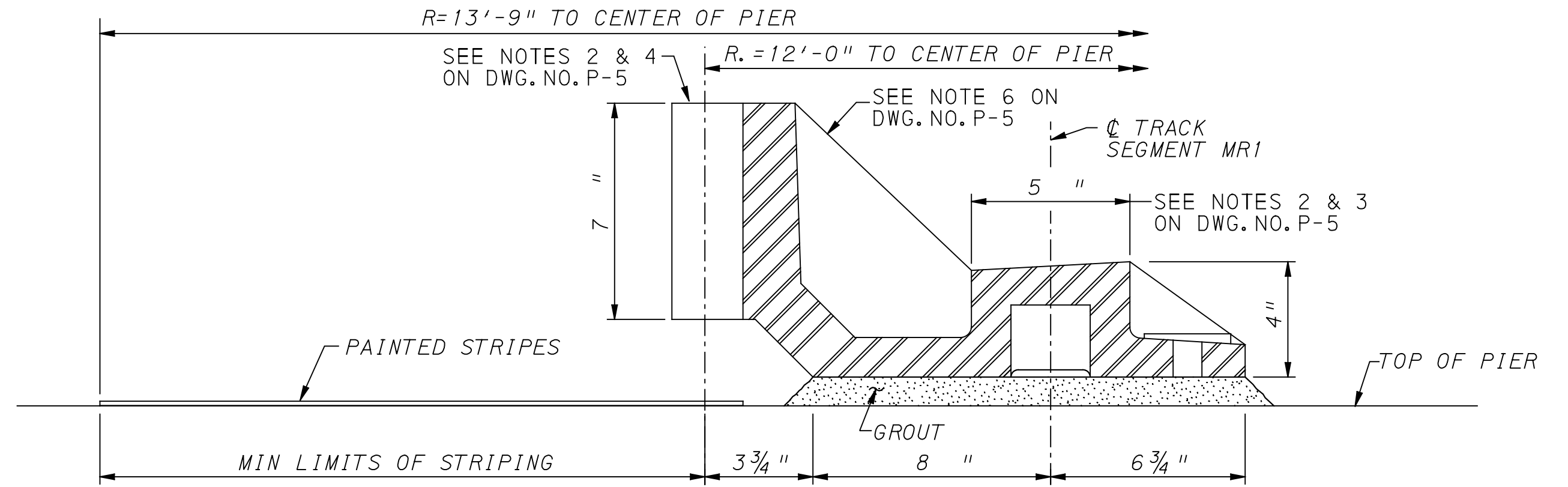
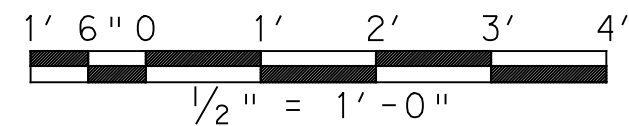


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DATE PLOTTED: : : AM  
USER NAME:

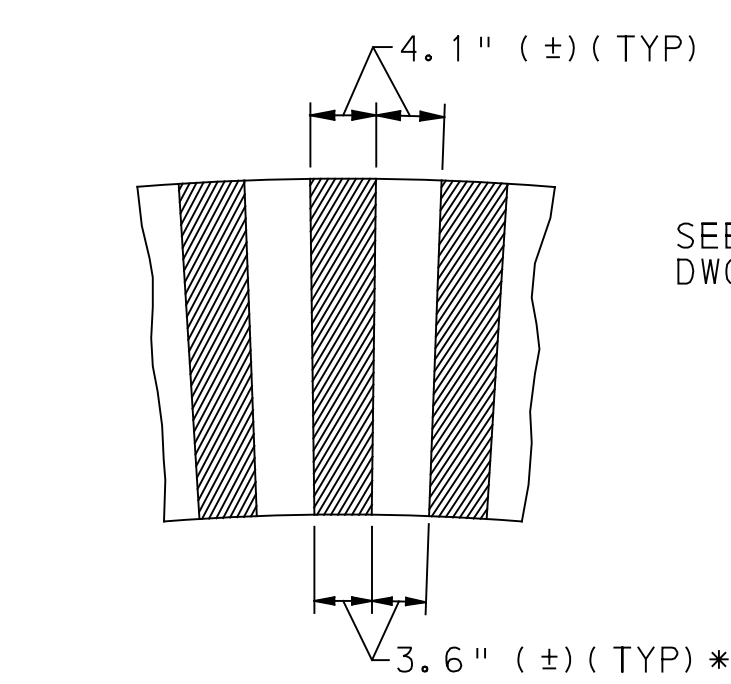
Design EJH    Ck'd JV  
Drawn GGB    Ck'd JV  
In Charge \_\_\_\_\_



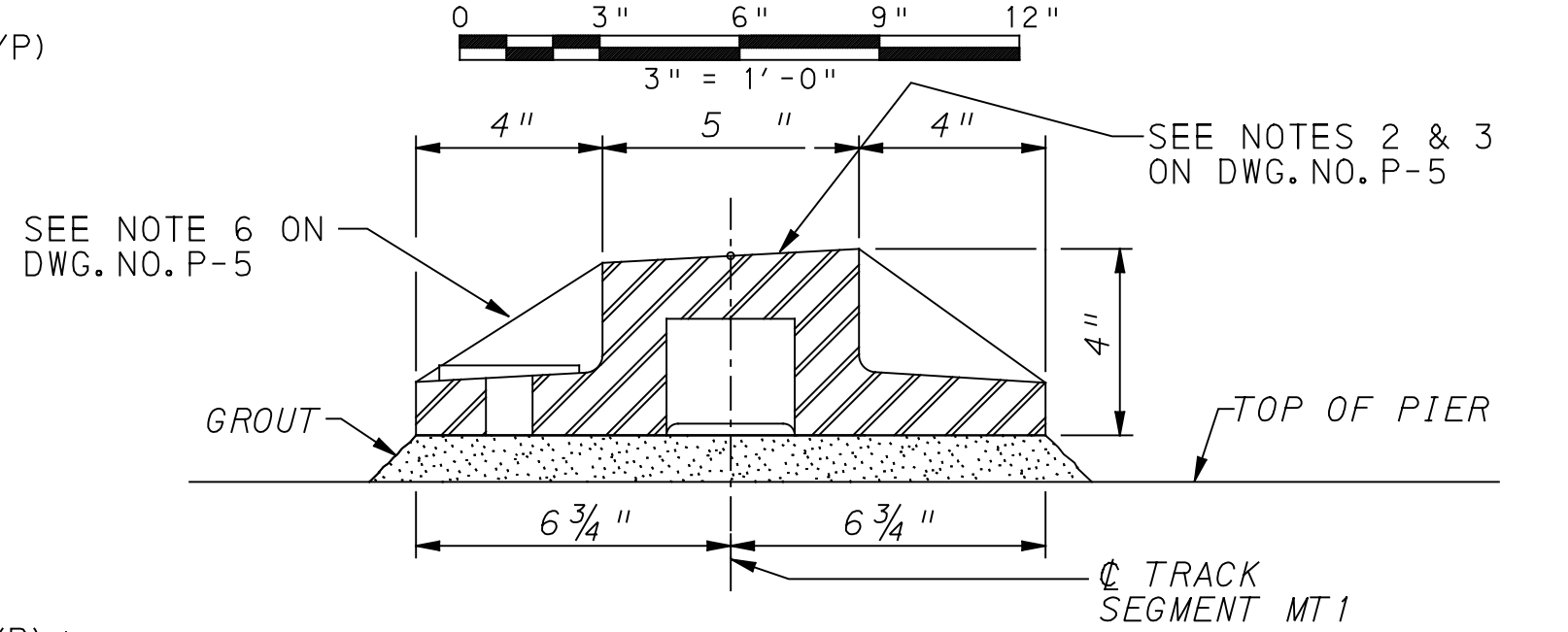
CENTER PIER-PLAN VIEW



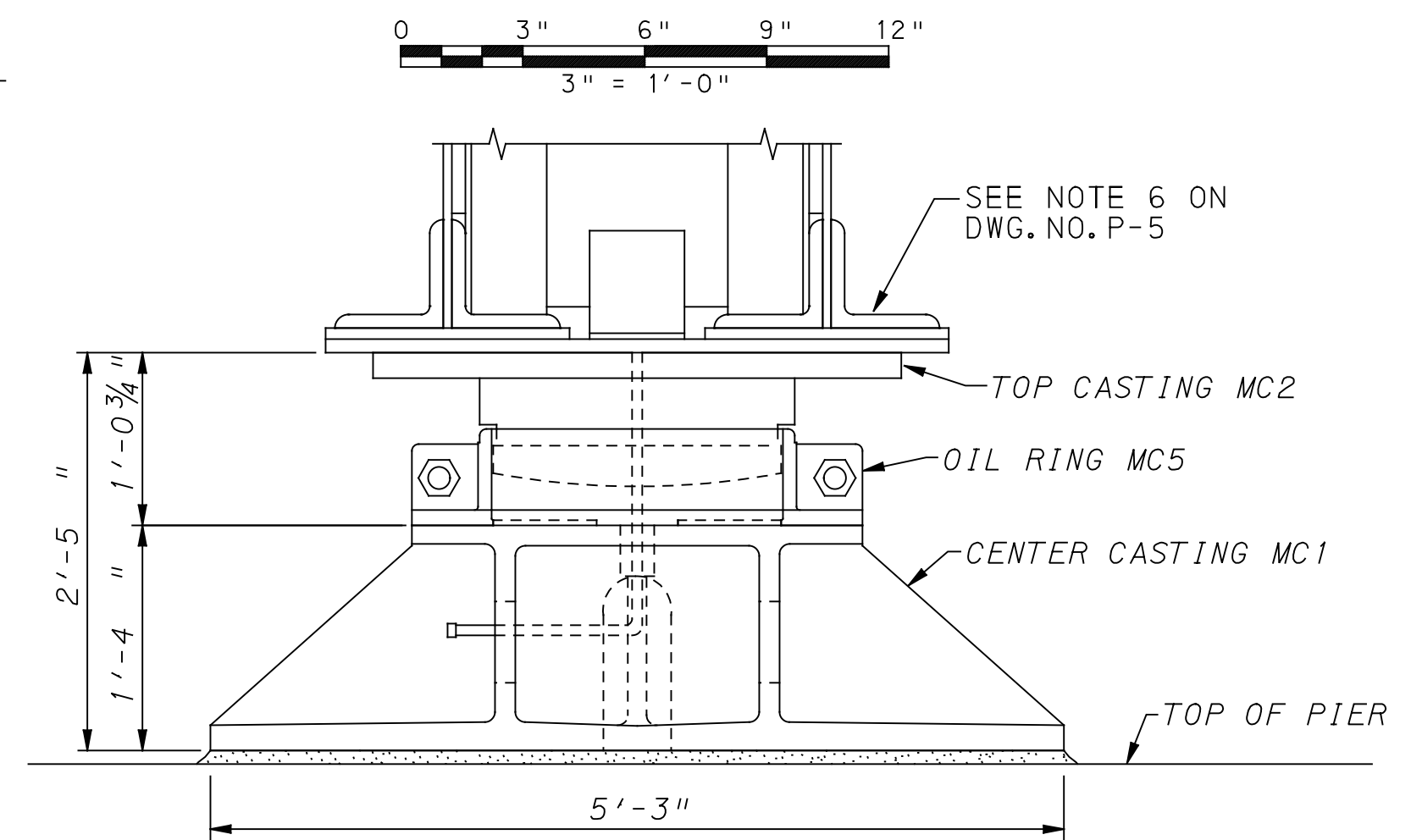
SECTION E-E



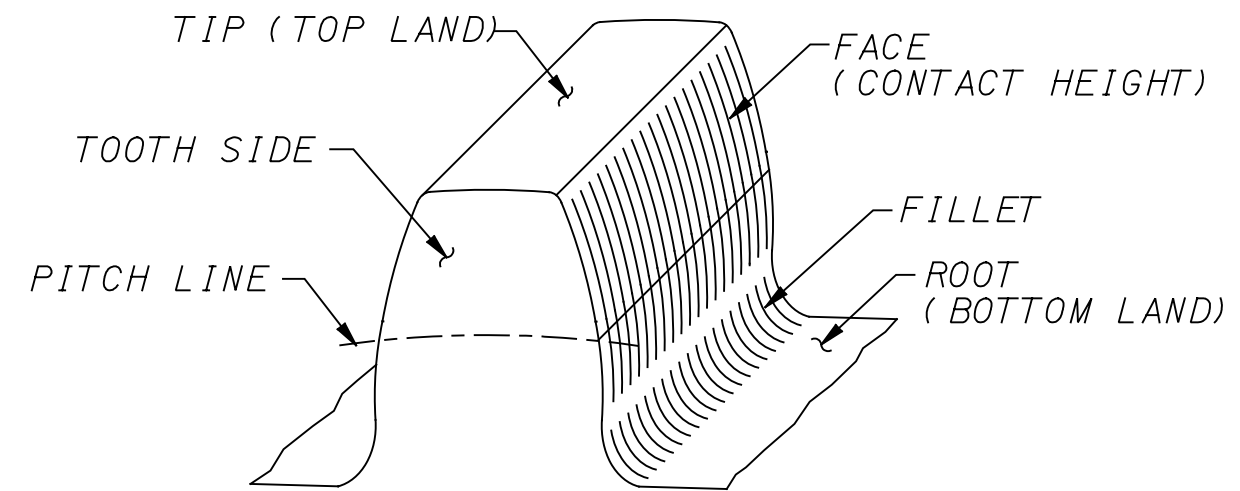
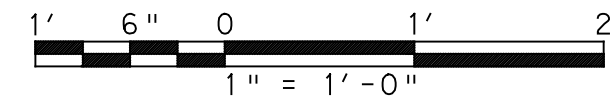
STRIPE DETAIL



SECTION F-F



SECTION H-H



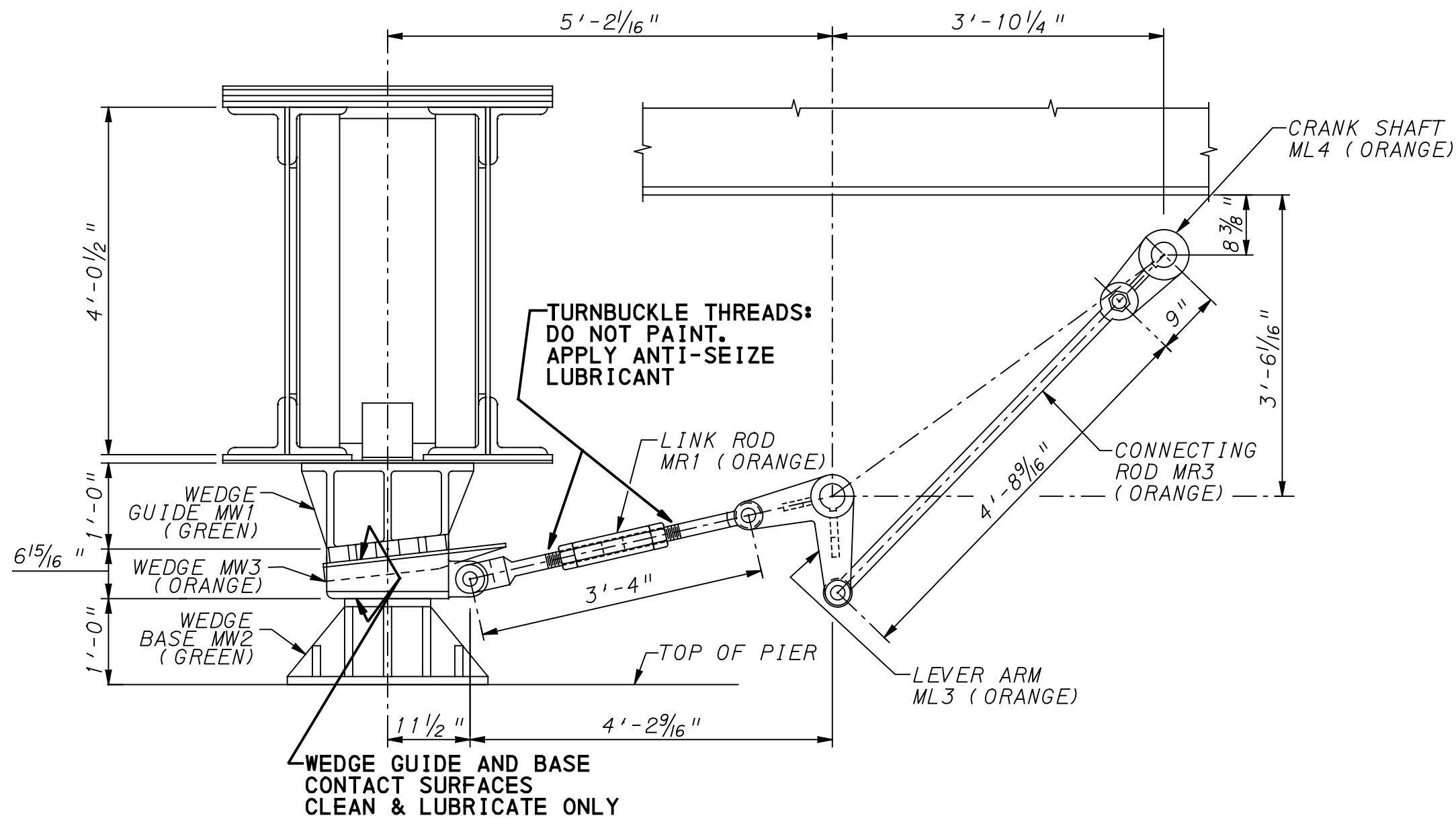
TOOTH DETAIL

REFERENCE NOTES:  
1. SEE SECTION G-G ON DWG. NO. P-5

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

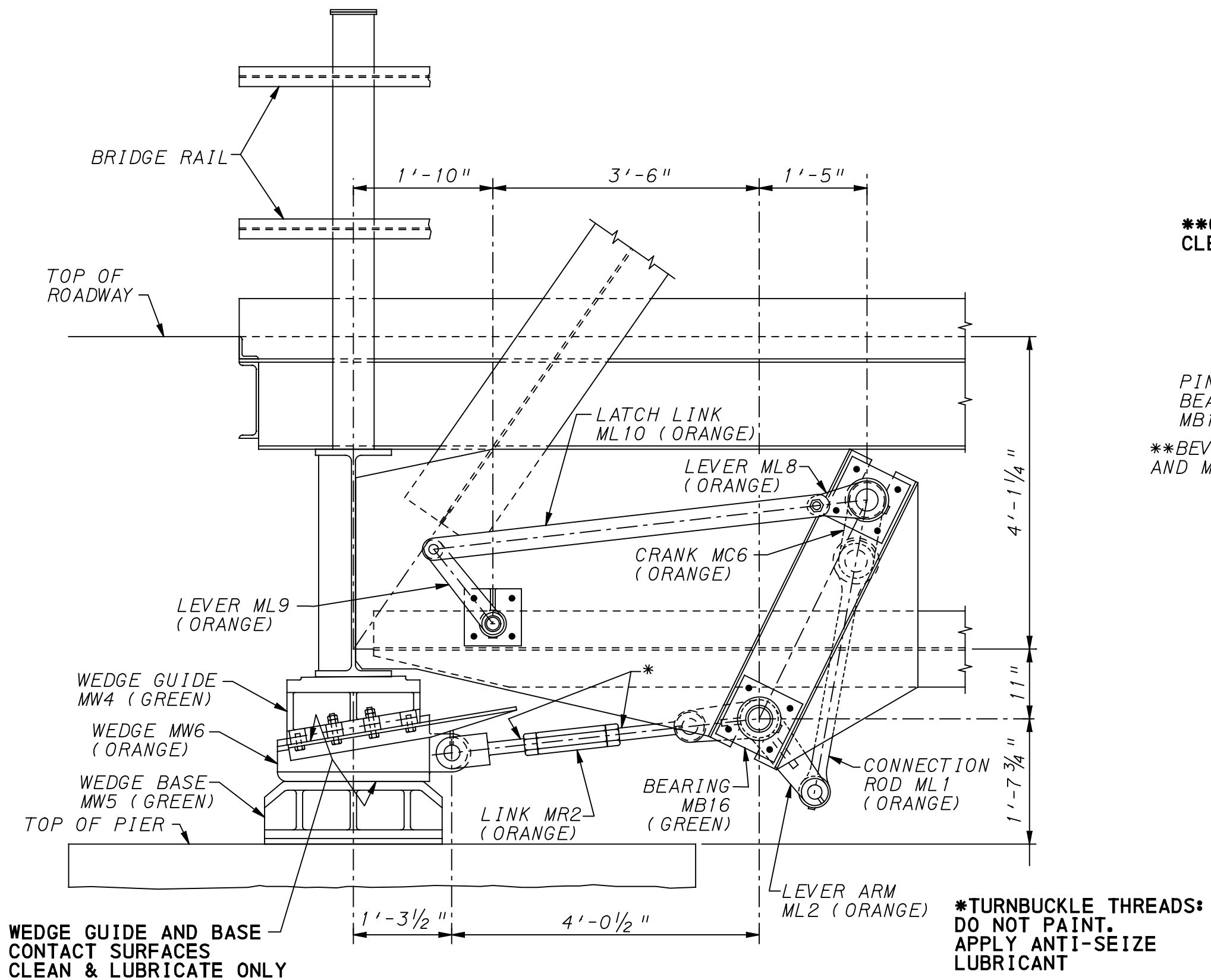
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| BURLINGTON COUNTY BRIDGE COMMISSION |          |             |           |
| RIVERSIDE-DELANCO BRIDGE            |          |             |           |
| CR 543 OVER THE RANOCAS CREEK       |          |             |           |
| RIVERSIDE, NJ DELANCO, NJ           |          |             |           |
| BRIDGE REHABILITATION               |          |             |           |
| BRIDGE PAINTING -                   |          |             |           |
| CENTER PIER PLAN                    |          |             |           |
| VIEW & SECTIONS                     |          |             |           |
| PENNONI                             |          |             |           |
| DRAWING NO.                         | SCALE    | DATE        | SHEET NO. |
| P-4                                 | AS SHOWN | AUGUST 2025 | 32 OF 39  |

PENNONI ASSOCIATES, INC.  
FILE NAME: \\P061\N061\B062\32307\EMACHINE.dgn  
PEN TABLE: P061\N061\B062\32307\PLT062  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT062  
DATE PLOTTED: 9/20/2024 11:20:05 AM  
USER NAME: gbguski



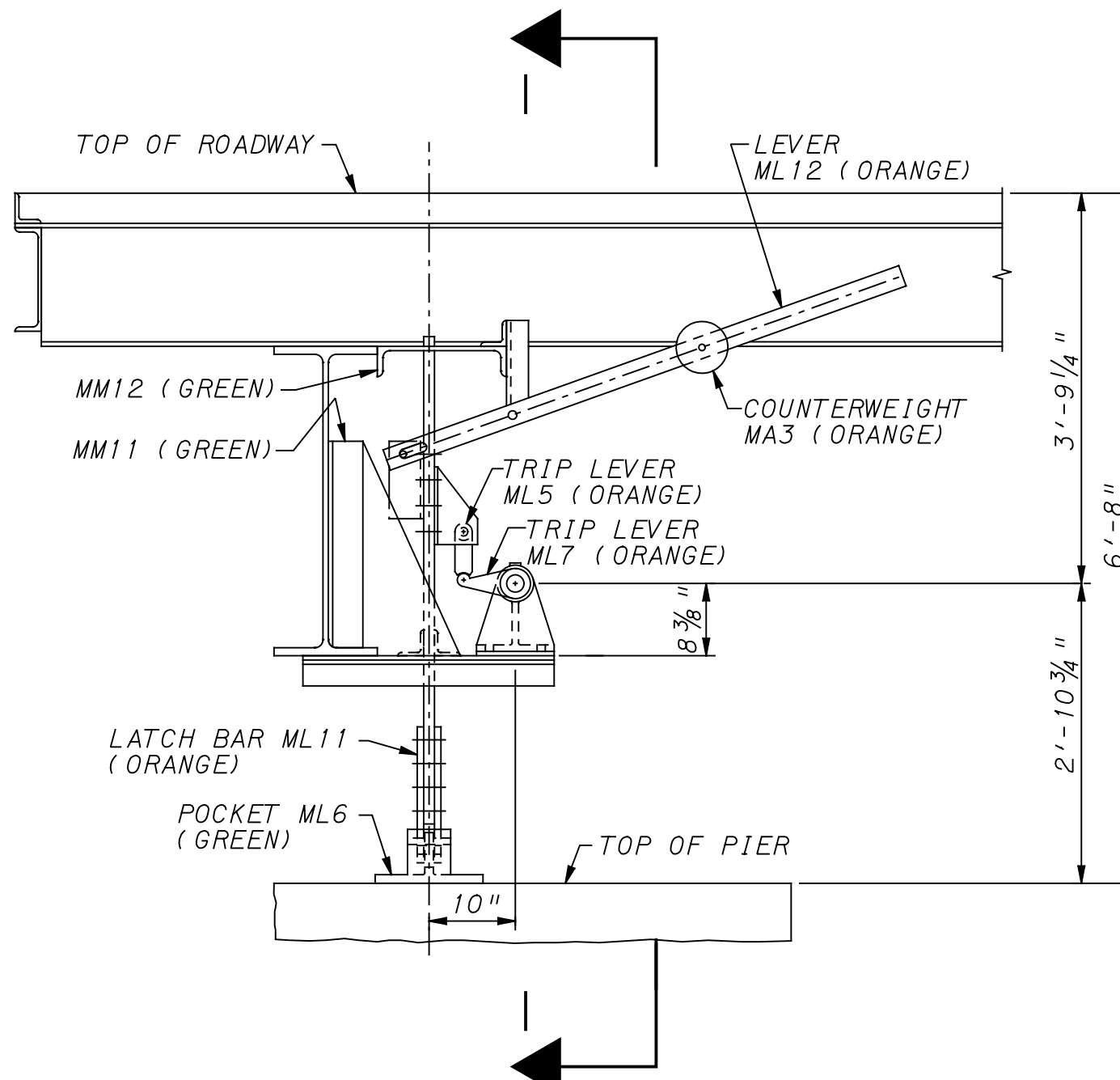
SECTION G-G

1 1/2' 0' 1 1/2' 3'  
1" = 1 1/2'



END WEDGE ELEVATION

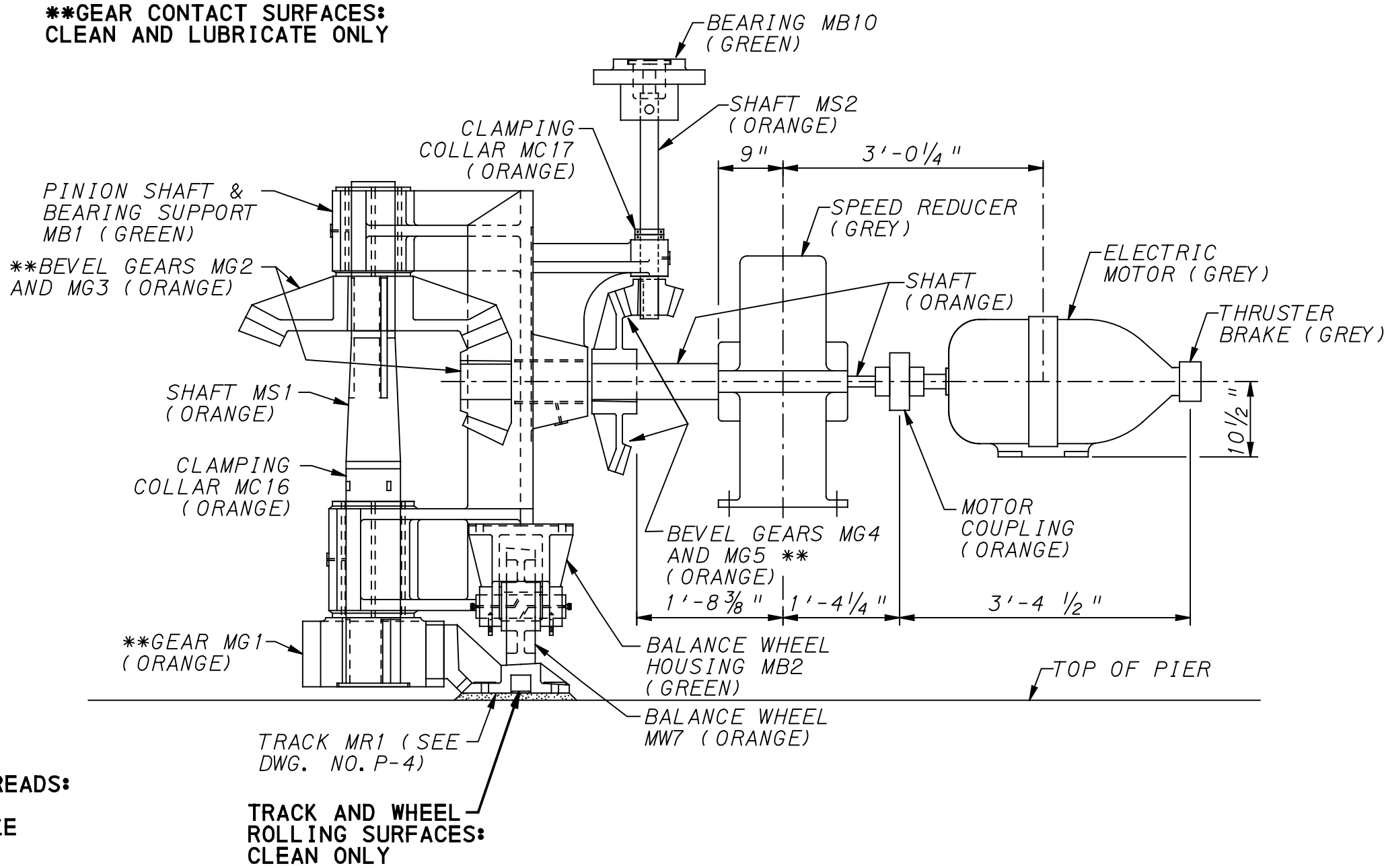
1 1/2' 0' 1 1/2' 3'  
1" = 1 1/2'



LATCH ELEVATION

1 1/2' 0' 1 1/2' 3'  
1" = 1 1/2'

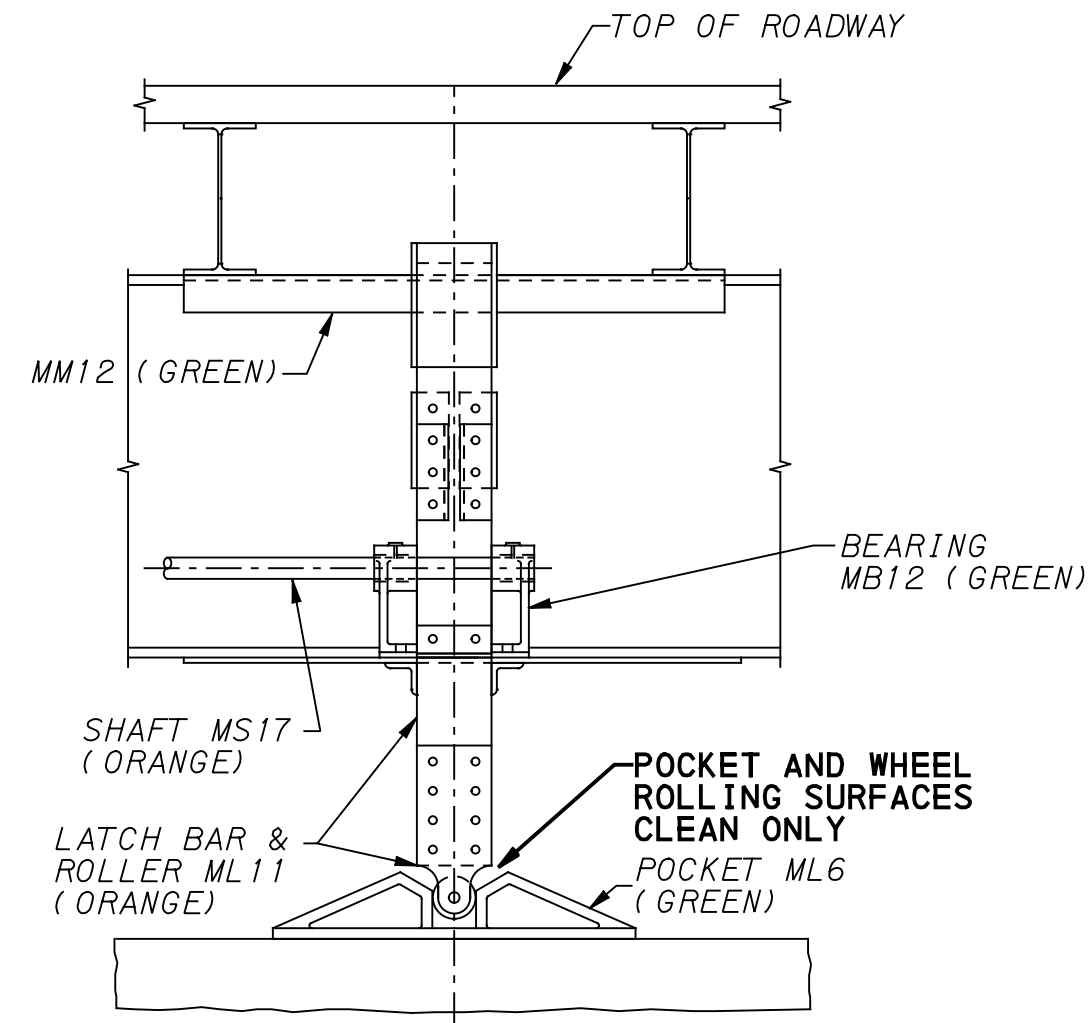
\*\*GEAR CONTACT SURFACES:  
CLEAN AND LUBRICATE ONLY



DRIVE MACHINERY ELEVATION

(ONLY HAND DRIVE FOR RACK AND PINION SHOWN  
SIMILAR FOR WEDGE HAND DRIVE)

1 1/2' 0' 1 1/2' 3'  
1" = 1 1/2'



SECTION I-I

1 1/2' 0' 1 1/2' 3'  
1" = 1 1/2'

NOTES:

1. SOME SURFACES REQUIRING CLEANING, LUBRICATING AND/OR PAINTING ARE INACCESSIBLE WITH THE BRIDGE IN THE CLOSED POSITION AND WILL REQUIRE THIS WORK TO BE PERFORMED WITH THE BRIDGE IN DIFFERENT POSITIONS. THE REQUIRED TRAFFIC CONTROL PLAN SHALL SPECIFICALLY ADDRESS THIS ISSUE.
2. CLEAN THE BALANCE WHEEL, TRACK CONTACT SURFACES, RACK, PINION, AND BEVEL GEAR TEETH OF ALL LUBRICANT, DIRT, DEBRIS AND PAINT USING HAND SCRAPERS, RAGS AND SOLVENTS ONLY.
3. BALANCE WHEEL AND TRACK CONTACT SURFACES SHALL NOT BE PAINTED OR LUBRICATED.
4. THE TOOTH CONTACT SURFACES OF THE RACK, PINION, AND BEVEL GEARS SHALL BE LUBRICATED AFTER APPROVAL OF THE ENGINEER. ONLY THE LUBRICANT SPECIFIED IN WRITING BY THE ENGINEER SHALL BE USED. THE SIDES, TOP AND BOTTOM LANDS, AND RIM OF ALL GEARS SHALL NOT BE LUBRICATED. FOR TOOTH DESCRIPTION SEE DETAIL ON DRAWING NO. P-4.
5. THE SLIDING SURFACES OF THE WEDGE, WEDGE GUIDE, AND WEDGE BASE CASTINGS SHALL BE LUBRICATED BY THE CONTRACTOR AFTER APPROVAL OF THE ENGINEER. ONLY THE LUBRICANT SPECIFIED IN WRITING BY THE ENGINEER SHALL BE USED. THE SIDES AND ENDS OF THE WEDGES, WEDGE GUIDES, AND WEDGE BASE CASTINGS SHALL BE PAINTED AND NOT LUBRICATED.
6. ALL ROTATING OR MOVING MACHINERY AND PARTS SHALL BE PAINTED FEDERAL SAFETY ORANGE. STATIONARY OR NON MOVING MACHINERY AND PARTS COMPONENTS SHALL BE PAINTED GREEN TO MATCH BRIDGE WITH THE EXCEPTION OF THE SPEED REDUCERS AND MOTORS WHICH SHALL BE PAINTED GREY.
7. SEE SUPPLEMENTARY SPECIFICATIONS FOR COLOR DESCRIPTION.
8. WEDGE MOTOR, BRAKE, AND REDUCER ARE SIMILAR TO THE SPAN MOTOR DETAIL.

BURLINGTON COUNTY BRIDGE COMMISSION

RIVERSIDE-DELANCO BRIDGE  
CR 543 OVER THE RANOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ

BRIDGE REHABILITATION

BRIDGE PAINTING -  
MACHINERY ELEVATION  
& SECTIONS

PENNONI

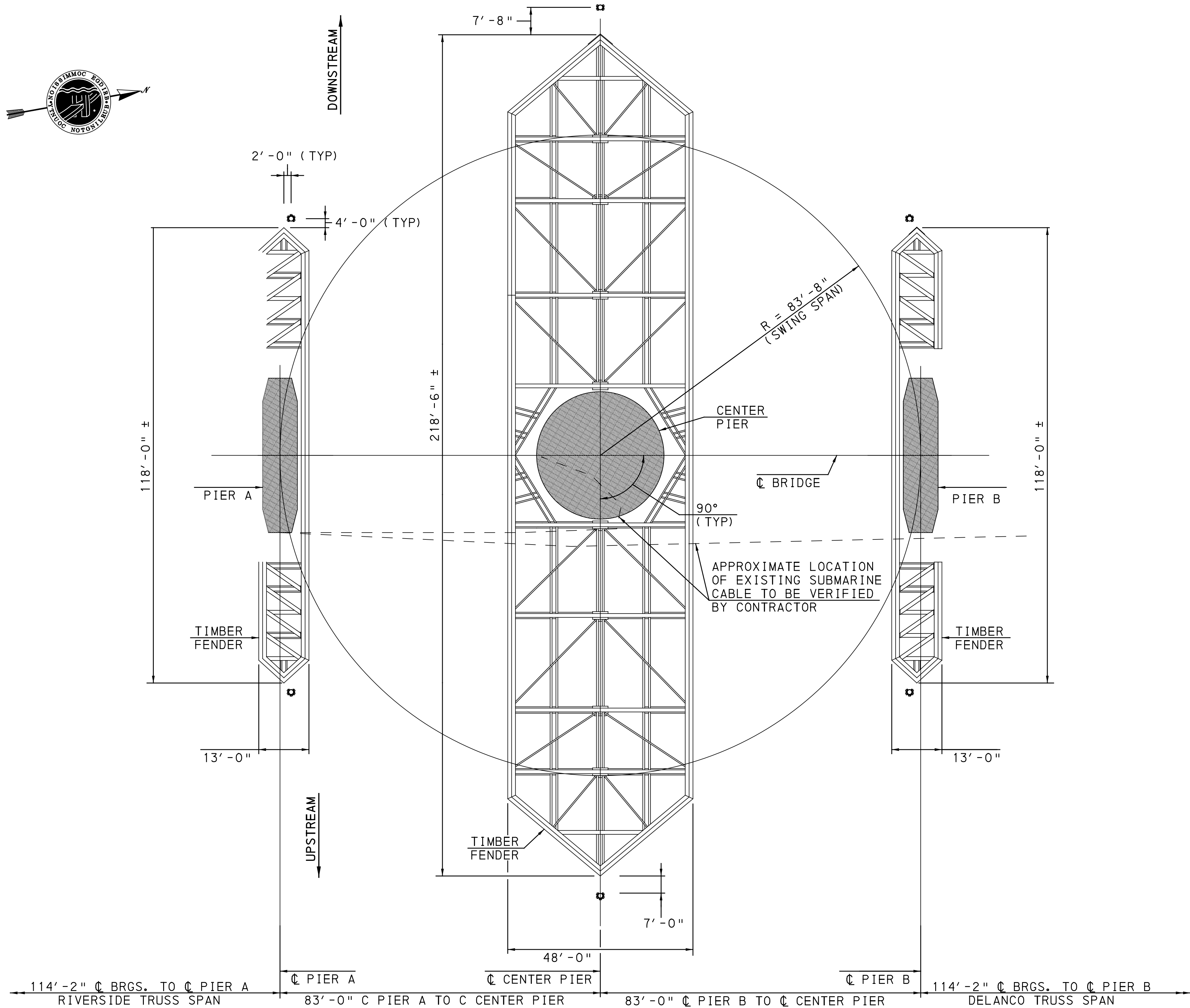
Design EJH CK' d JV

Drawn GGB CK' d JV

In Charge

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>P-5 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>33 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|



**KEY REPAIR PLAN**

SCALE: 1/16" = 1'-0"

NOTE: SUPERSTRUCTURE NOT SHOWN FOR CLARITY.

**NOTES:**

- FOR GENERAL NOTES, PROJECT NOTES, AND REPAIR QUANTITIES, SEE DWGS. G-2 AND G-3 AND G-5 AND G-6.
- GAS MAIN ALONG THE WEST SIDE OF BRIDGE OMITTED FOR CLARITY.
- DRAWINGS REFERENCED FROM FENDER SYSTEM REPAIRS FROM NOVEMBER 2007 AND AUGUST 2016.
- APPROXIMATE LOCATION OF SUBMARINE CABLE IS SHOWN FOR REFERENCE INFORMATION ONLY. CONTRACTOR TO ASSURE THAT SPUDS OR OTHER IN-WATER ACTIVITIES DO NOT DAMAGE CABLES.

**BURLINGTON COUNTY BRIDGE COMMISSION**

**RIVERSIDE-DELANCO  
CR 543 OVER THE RANCOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ**

**BRIDGE REHABILITATION**

**FENDER REPAIRS - KEY PLAN**

**PENNONI ASSOCIATES INC.**

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>F-1 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>34 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|

PENNONI ASSOCIATES INC.  
FILE NAME: \\CTV\DON\04EBUCB23EFR-RP.dgn  
PEN TABLE: pennoni-b3cc.tbl  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT.CFG  
DATE PLOTTED: 9/19/2024 11:44:09 AM  
USER NAME: g09guski

Design SMD CK' d KAK

Drawn SMD CK' d KAK

In Charge \_\_\_\_\_



PENNONI ASSOCIATES INC.  
FILE NAME: \\CT\DON\056BUCB23\FR-ECF.dgn  
PEN TABLE: PENNONI-BRIDGE.tbl  
PLOT DRIVER: VSE-FULLSIZE-PDF.plt G6  
DATE PLOTTED: 9/19/2024 10:39:55 AM  
USER NAME: g09guski



PIER A - WEST



CENTER PIER - WEST



PIER B - WEST



PIER A - EAST



CENTER PIER - EAST

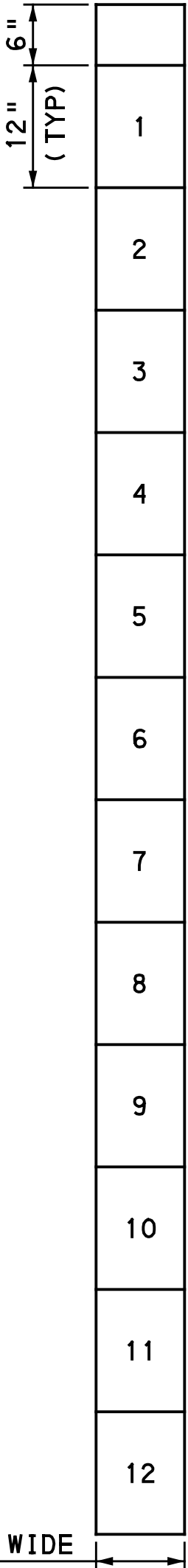


PIER B - EAST

EXISTING CONDITIONS AND VEGETATION TO BE REMOVED



TYP. EXISTING SIGNS AND CONDUITS TO BE REMOVED  
AND REINSTALLED AS NEEDED



12 "X"12' -6 "  
BACKGROUND: WHITE  
LEGEND: BLACK  
SERIES C LETTERING  
( 4 TYPICAL, 2 EACH SIDE OF FENDERS)  
BRIDGE CLEARANCE GAUGE DETAIL

NOTES:

1. FOR GENERAL NOTES, PROJECT NOTES, AND REPAIR QUANTITIES, SEE DWGS. G-2 AND G-3 AND G-5 AND G-6.
2. THIS WORK INCLUDES THE REMOVAL OF VEGETATION THROUGHOUT THE FENDER SYSTEM. SAMPLE PHOTOGRAPHS DEMONSTRATING EXISTING CONDITIONS AND VEGETATION GROWTH FROM DECEMBER 2023 HAVE BEEN INCLUDED FOR REFERENCE. CONTRACTOR TO EVALUATE CURRENT VEGETATION LEVELS AND BID ACCORDINGLY.
3. EXISTING SIGNS, CONDUIT, AND OTHER ATTACHMENTS MAY NEED TO BE REMOVED AND REINSTALLED IN ORDER TO REPLACE SELECT TIMBER ELEMENTS. TYPICAL PHOTOGRAPHS HAVE BEEN INCLUDED FOR REFERENCE ONLY.

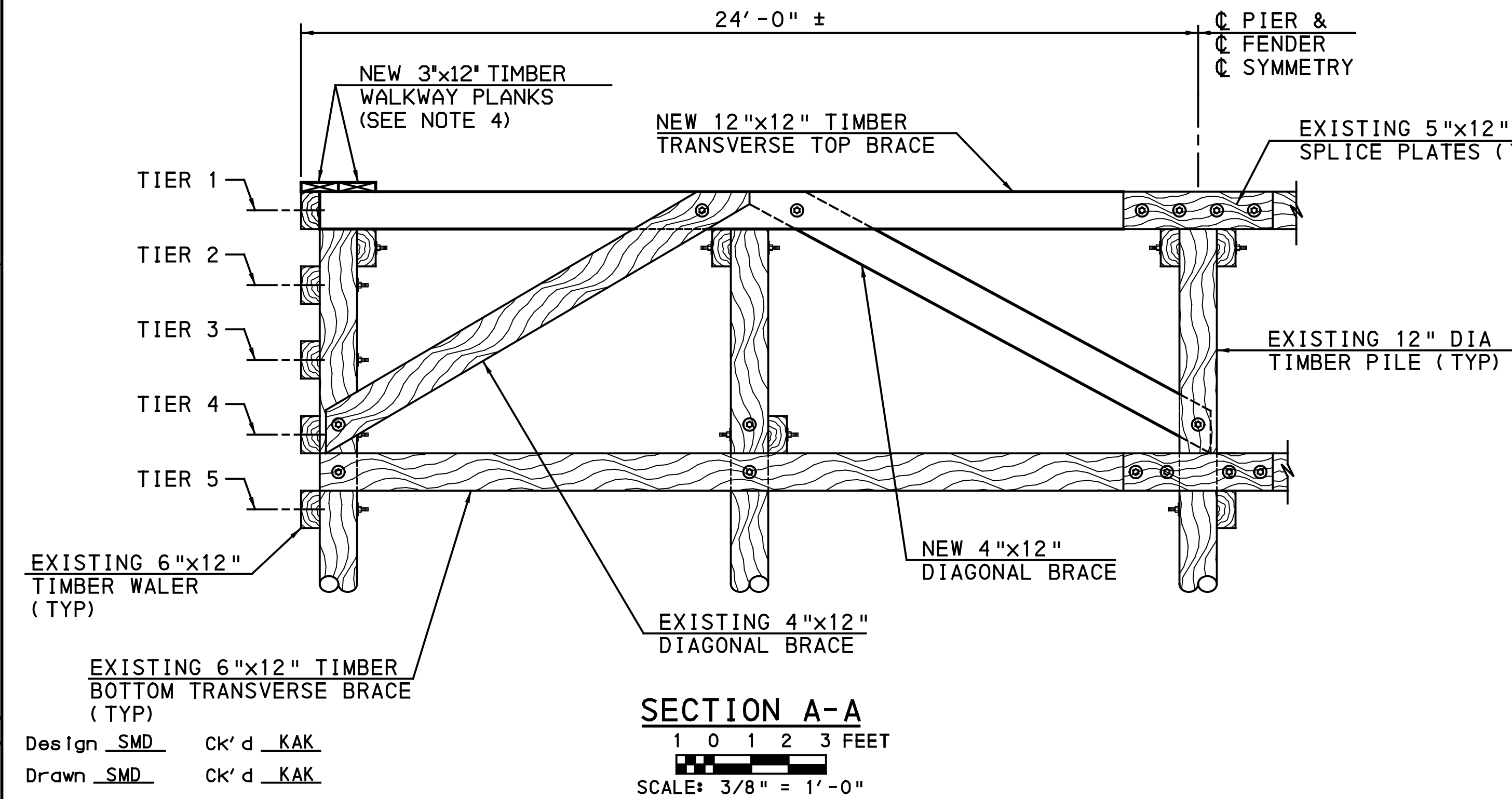
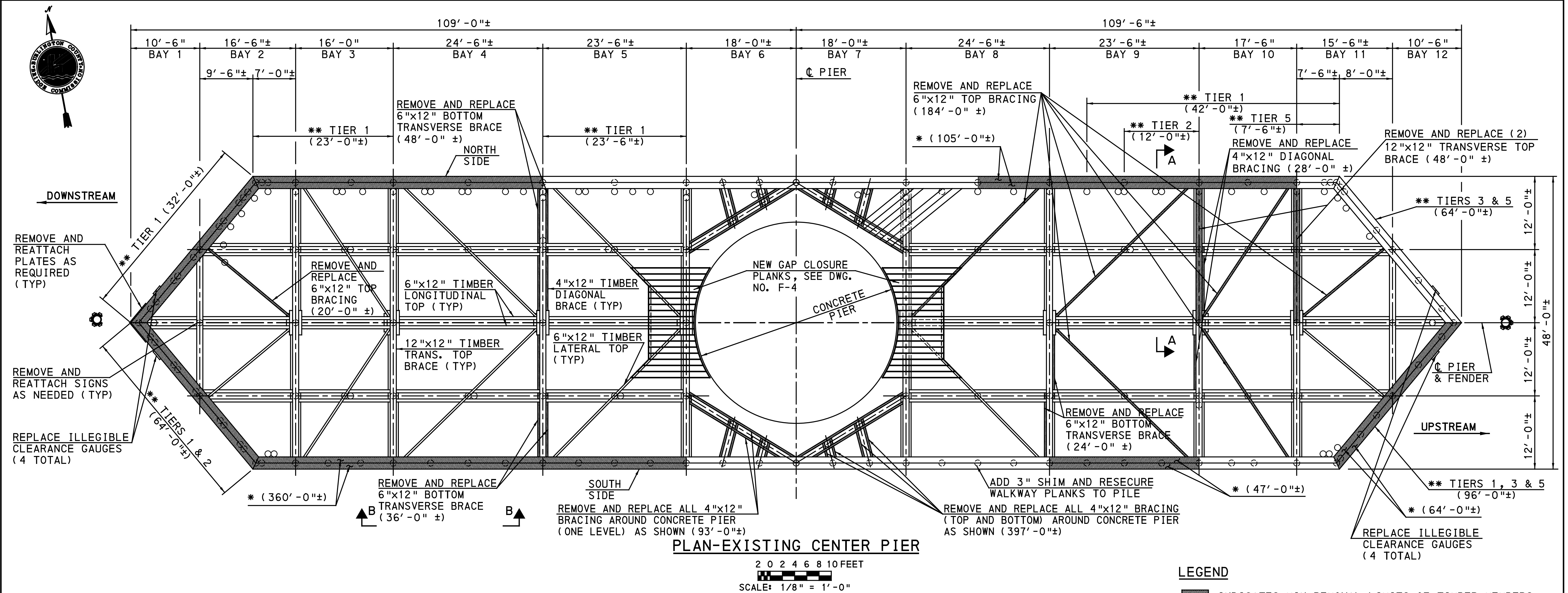
| BURLINGTON COUNTY BRIDGE COMMISSION  |                   |                     |                       |
|--|-------------------|---------------------|-----------------------|
| RIVERSIDE-DELANCO<br>CR 543 OVER THE RANCOCAS CREEK<br>RIVERSIDE, NJ DELANCO, NJ |                   |                     |                       |
| BRIDGE REHABILITATION  |                   |                     |                       |
| FENDER REPAIRS - EXISTING<br>CONDITION PHOTOS                                    |                   |                     |                       |
| PENNONI ASSOCIATES INC.  |                   |                     |                       |
| DRAWING NO.<br>F-2   | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>35 OF 39 |

Design SMD      CK' d KAK  
Drawn SMD      CK' d KAK  
In Charge \_\_\_\_\_

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |



PENNONI ASSOCIATES, INC.  
FILE NAME: \\C:\WORK\06BUCB23\CR-CP.dgn  
REV. TABLE: \\PENN\06BUCB23\REV.DWG  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT06  
DATE PLOTTED: 9/19/2024 11:48:43 AM  
USER NAME: g09guski



**TYP. EXISTING  
CLEARANCE GAUGE**

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

**BURLINGTON COUNTY BRIDGE COMMISSION**  
**RIVERSIDE-DELANCO**  
**CR 543 OVER THE RANCOCAS CREEK**  
**RIVERSIDE, NJ DELANCO, NJ**

**BRIDGE REHABILITATION**

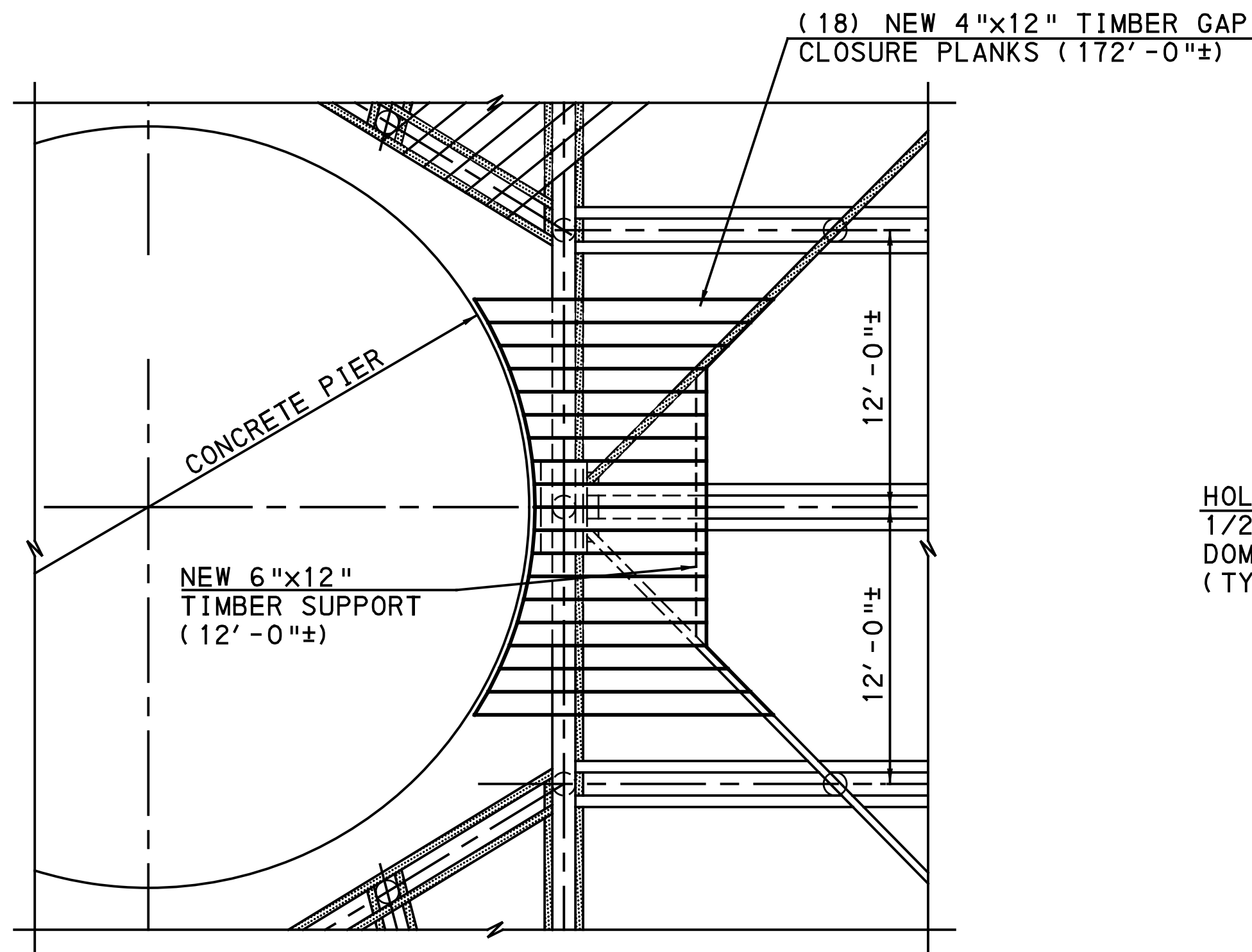
**FENDER REPAIRS -  
CENTER PIER PLAN  
AND DETAILS**

**PENNONI ASSOCIATES INC.**

|                           |                   |                     |                              |
|---------------------------|-------------------|---------------------|------------------------------|
| DRAWING NO.<br><b>F-3</b> | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br><b>36 OF 39</b> |
|---------------------------|-------------------|---------------------|------------------------------|

PENNONI ASSOCIATES INC.  
FILE NAME: \\CT\DON\O7EBUCB23CFR-CPD.dgn  
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USER NAME: g09guski

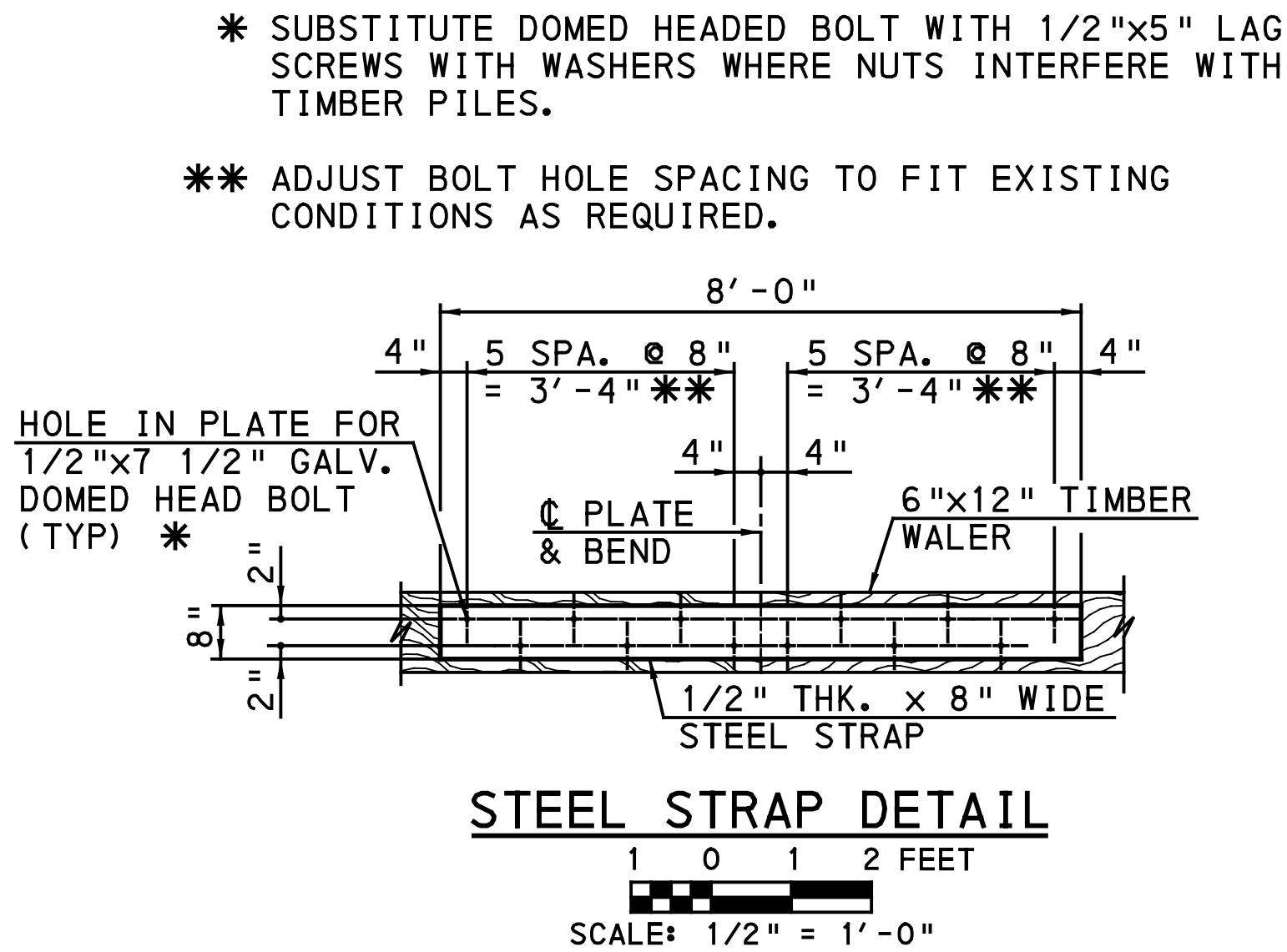
Design SMD CK' d KAK  
Drawn SMD CK' d KAK  
In Charge \_\_\_\_\_



**GAP CLOSURE PROPOSED DETAIL**

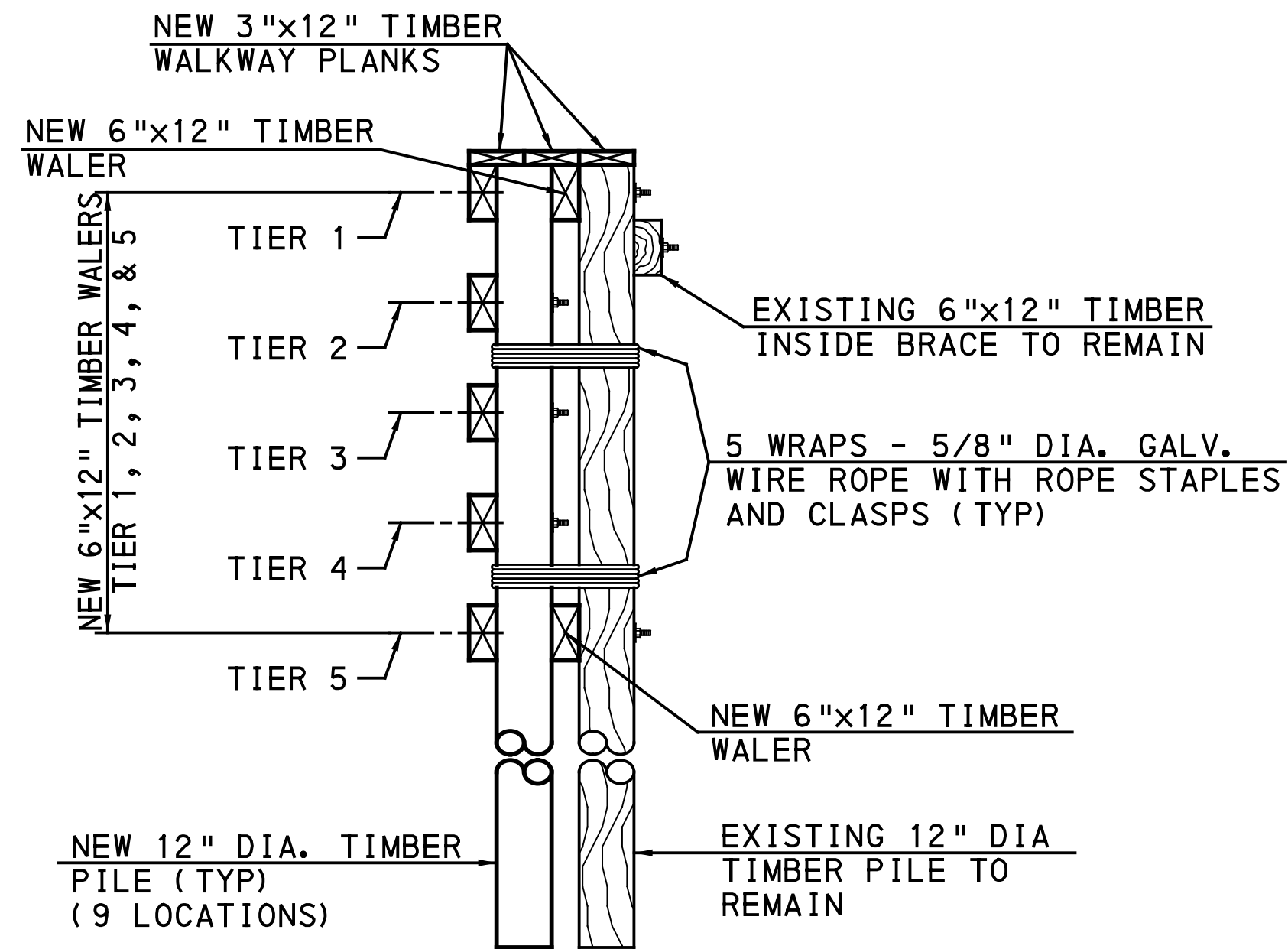
2 0 2 4 6 FEET  
SCALE: 3/16" = 1'-0"

NOTE: EAST SIDE SHOWN.  
WEST SIDE SIMILAR.



**STEEL STRAP DETAIL**

1 0 1 2 FEET  
SCALE: 1/2" = 1'-0"

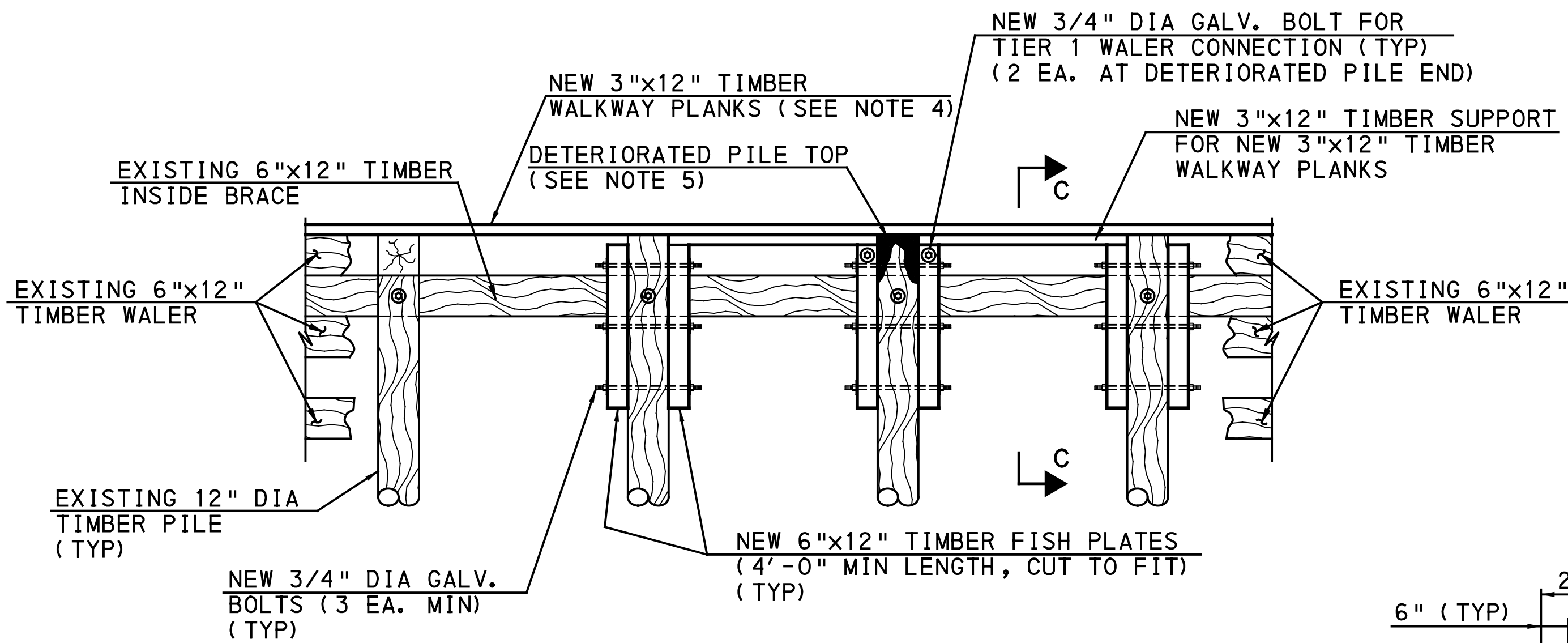


**SISTER PILE DETAIL**

1 0 1 2 3 FEET  
SCALE: 3/8" = 1'-0"

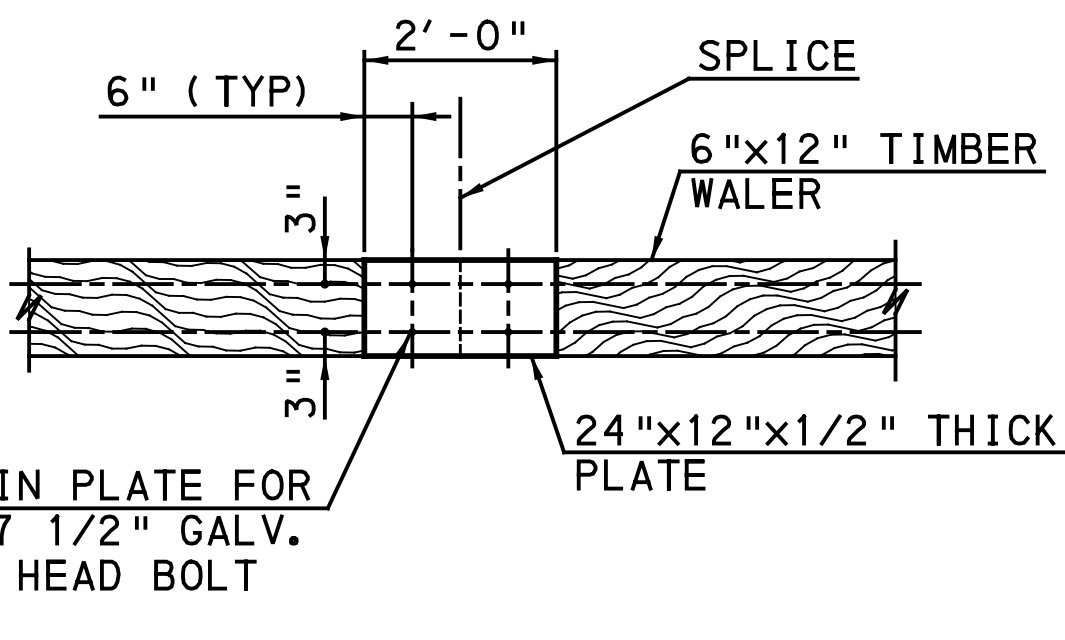
**NOTES:**

- FOR GENERAL NOTES, PROJECT NOTES, AND REPAIR QUANTITIES, SEE DWGS. G-2 AND G-3 AND G-5 AND G-6.
- AS BUILT DETAILS INCLUDED FOR INFORMATIONAL PURPOSES.
- EXISTING STEEL STRAPS AND OTHER CONNECTIONS TO BE REMOVED AND REATTACHED FROM WALERS AS NECESSARY TO FACILITATE TIMBER REPAIRS.
- EXISTING CONDUIT AND OTHER ATTACHMENTS ALONG WALKWAY PLANKS TO BE REMOVED AND REATTACHED AS REQUIRED TO REPLACE WALKWAY PLANKS THROUGHOUT ALL LOCATIONS.
- FOR LOCATIONS WITH MULTIPLE ADJACENT PILES THAT ARE DETERIORATED AT THE TOP, REPEAT DETAIL AS NECESSARY.



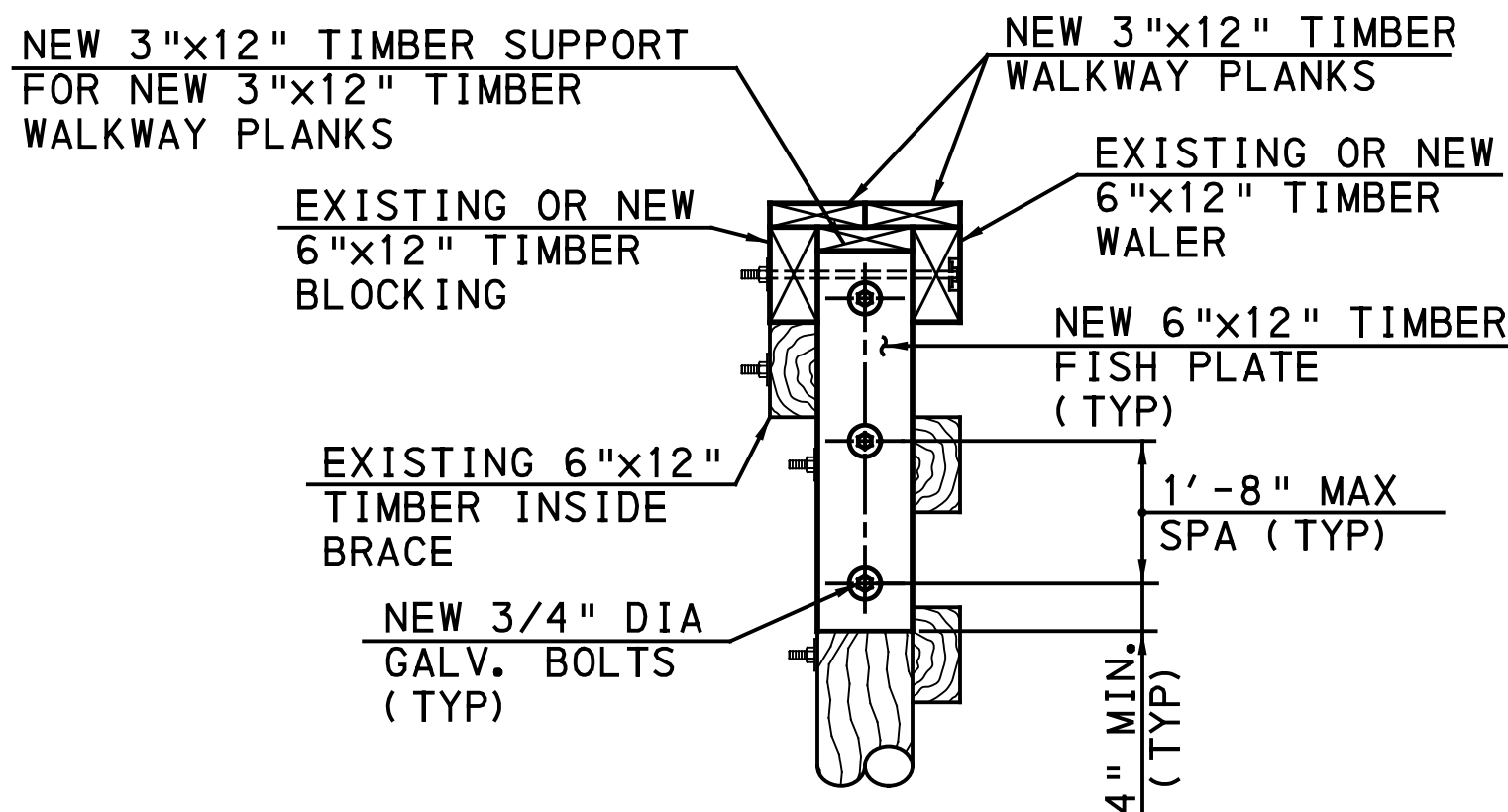
**VIEW B-B  
TYPICAL WALKWAY PLANK AND TIER 1  
WALER SUPPORT STRENGTHENING DETAIL**

1 0 1 2 3 FEET  
SCALE: 3/8" = 1'-0"



**WALER SPLICE DETAIL**

1 0 1 2 FEET  
SCALE: 1/2" = 1'-0"



**SECTION C-C**

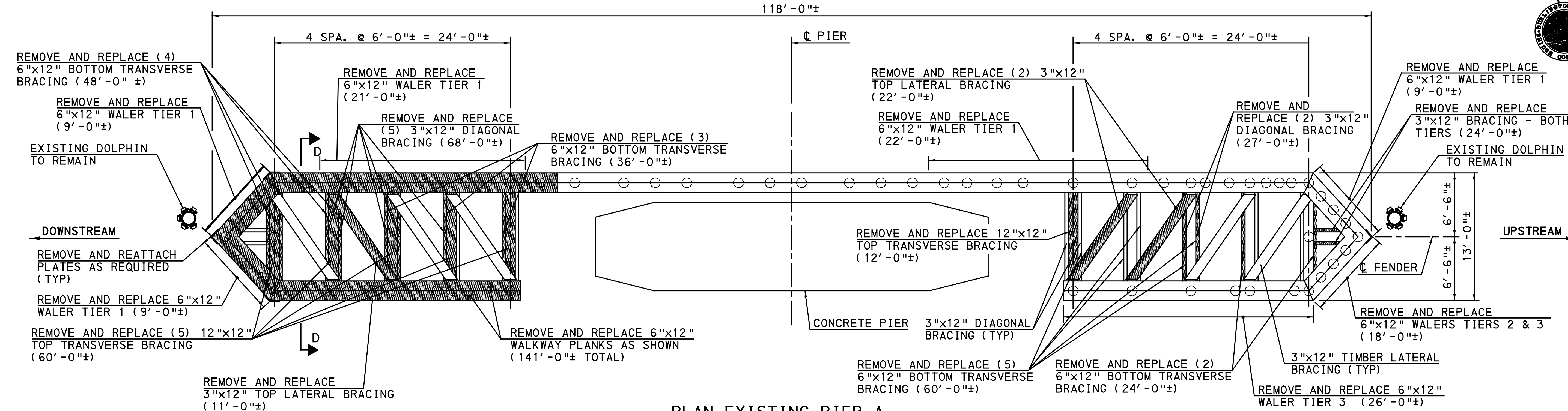
1 0 1 2 FEET  
SCALE: 1/2" = 1'-0"

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

|                                     |                   |                     |                       |
|-------------------------------------|-------------------|---------------------|-----------------------|
| BURLINGTON COUNTY BRIDGE COMMISSION |                   |                     |                       |
| RIVERSIDE-DELANCO                   |                   |                     |                       |
| CR 543 OVER THE RANOCAS CREEK       |                   |                     |                       |
| RIVERSIDE, NJ DELANCO, NJ           |                   |                     |                       |
| BRIDGE REHABILITATION               |                   |                     |                       |
| FENDER REPAIRS - CENTER PIER        |                   |                     |                       |
| REPAIR DETAILS                      |                   |                     |                       |
| PENNONI ASSOCIATES INC.             |                   |                     |                       |
| DRAWING NO.<br>F-4                  | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>37 OF 39 |

PENNONI ASSOCIATES INC.  
FILE NAME: \\CT\DON\08\BUCB23\FR-PA.dgn  
PEN TABLE: penmon-hatch.tbl  
PLOT DRIVER: VSE-FULLSIZE-PDF-PLT056  
DATE PLOTTED: 9/19/2024 12:20:03 PM  
USER NAME: g09guski

Design SMD CK' d KAK  
Drawn SMD CK' d KAK  
In Charge \_\_\_\_\_

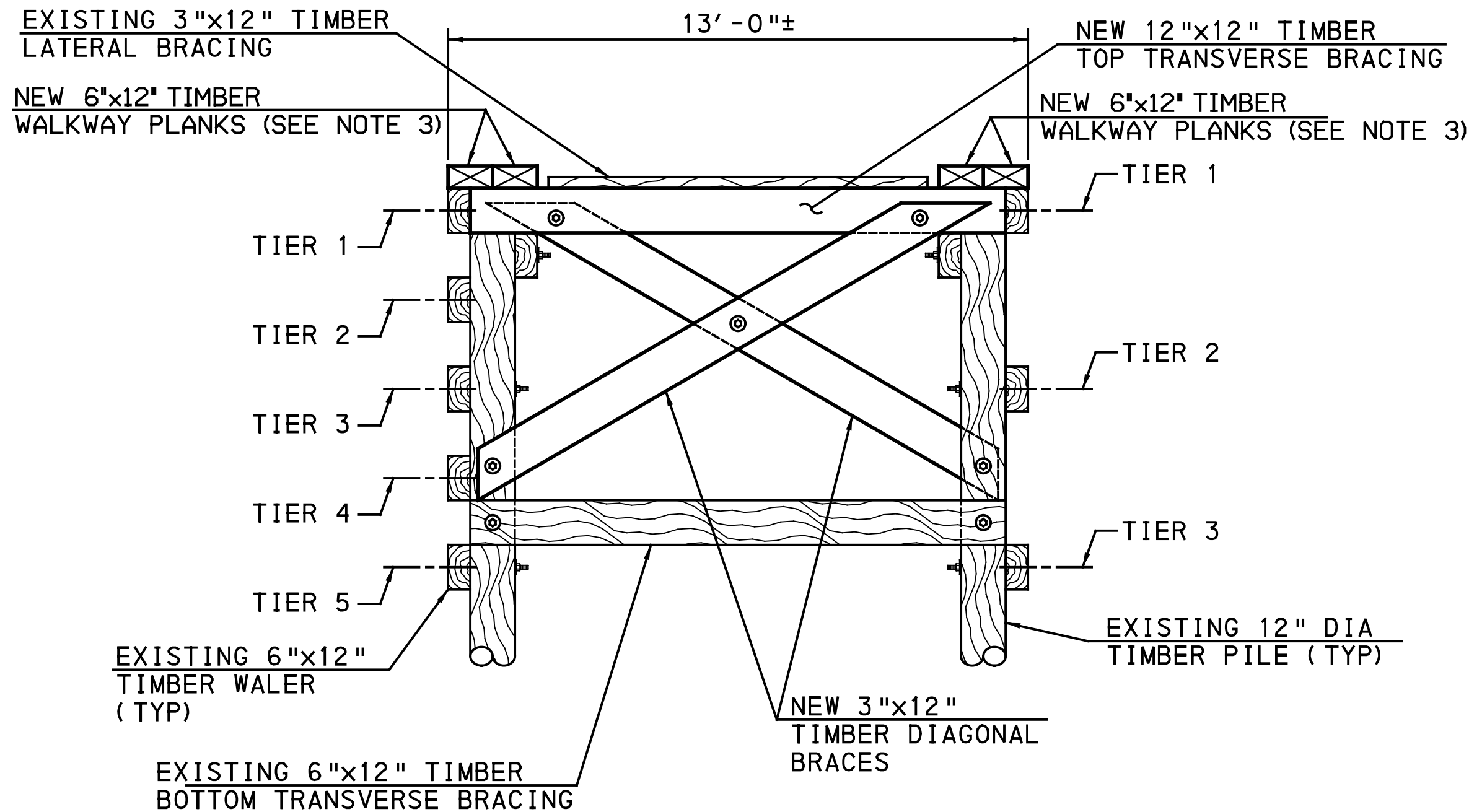


PLAN-EXISTING PIER A

2 0 2 4 6 FEET  
SCALE: 3/16" = 1'-0"

LEGEND

INDICATES MIN REMOVAL LIMITS OF TIMBER MEMBERS



SECTION D-D

1 0 1 2 3 FEET  
SCALE: 3/8" = 1'-0"

NOTES:

- FOR GENERAL NOTES, PROJECT NOTES, AND REPAIR QUANTITIES, SEE DWGS. G-2 AND G-3 AND G-5 AND G-6.
- FOR TYPICAL WALKWAY PLANK AND TIER 1 WALE SUPPORT STRENGTHENING DETAIL, SEE DWG. NO. F-4.
- EXISTING CONDUIT ALONG WALKWAY PLANKS TO BE REMOVED AND REATTACHED AS REQUIRED TO REPLACE WALKWAY PLANKS THROUGHOUT ALL LOCATIONS.

BURLINGTON COUNTY BRIDGE COMMISSION

RIVERSIDE-DELANCO  
CR 543 OVER THE RANOCAS CREEK  
RIVERSIDE, NJ DELANCO, NJ

BRIDGE REHABILITATION

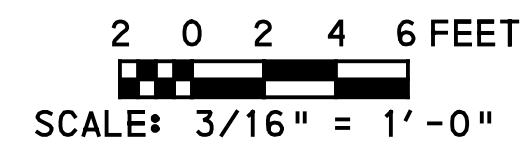
FENDER REPAIRS - PIER A PLAN  
AND DETAILS

PENNONI ASSOCIATES INC.

| DATE      | BY | REV. | DESCRIPTION |
|-----------|----|------|-------------|
| REVISIONS |    |      |             |

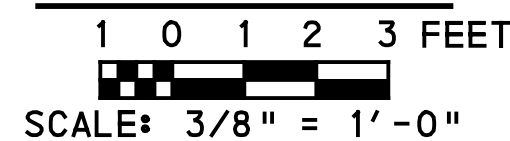
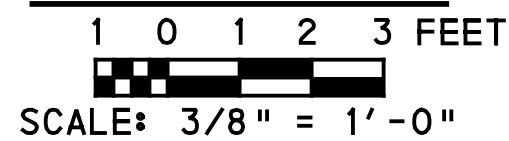
|                    |                   |                     |                       |
|--------------------|-------------------|---------------------|-----------------------|
| DRAWING NO.<br>F-5 | SCALE<br>AS SHOWN | DATE<br>AUGUST 2025 | SHEET NO.<br>38 OF 39 |
|--------------------|-------------------|---------------------|-----------------------|





LEGEND

 INDICATES MIN REMOVAL LIMITS OF TIMBER MEMBERS



NOTES:

1. FOR GENERAL NOTES, PROJECT NOTES, AND REPAIR QUANTITIES, SEE DWGS. G-2 AND G-3 AND G-5 AND G-6.
2. FOR TYPICAL WALKWAY PLANK AND TIER 1 WALE SUPPORT STRENGTHENING DETAIL, SEE DWG. NO. F-4.
3. EXISTING CONDUIT AND OTHER ATTACHMENTS ALONG WALKWAY PLANKS TO BE REMOVED AND REATTACHED AS REQUIRED TO REPLACE WALKWAY PLANKS THROUGHOUT ALL LOCATIONS.

**BURLINGTON COUNTY BRIDGE COMMISSION**

**RIVERSIDE-DELANCO**  
**CR 543 OVER THE RANCOCAS CREEK**  
**RIVERSIDE, NJ                      DELANCO, NJ**

## BRIDGE REHABILITATION

## FENDER REPAIRS - PIER B PLAN AND DETAILS

**PENNONI ASSOCIATES INC.**

|             |          |               |           |
|-------------|----------|---------------|-----------|
| DRAWING NO. | SCALE    | DATE          | SHEET NO. |
| F-6         | AS SHOWN | 5 AUGUST 2025 | 39 OF 39  |

|           |    |      |             |
|-----------|----|------|-------------|
|           |    |      |             |
|           |    |      |             |
| DATE      | BY | REV. | DESCRIPTION |
| REVISIONS |    |      |             |

Design SMD      CK' d KAK

Drawn SMD CK' d KAK

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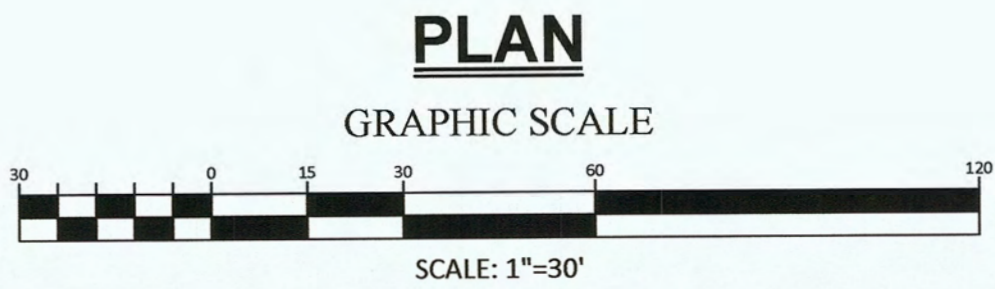
In Charge

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PENNONI ASSOCIATES, INC.
FILE NAME:...CT\GDN\09CBUCB23FR-PB.dgn
PEN TABLE: pennoni-bcbc.tbl
PLOT DRIVER: VSE-FULLSIZE-PDF.PLTCFG
DATE PLOTTED: 9/19/2024 12:23:23 PM
USER NAME: qboquski

```





**LEGEND**

- BREAKAWAY BARRICADES
- BREAKAWAY BARRICADES WITH SIGN
- ▤

CONSTRUCTION SIGNS
- DRUMS
- ◆

CONE
- ←

DIRECTION OF TRAFFIC FLOW

■

BCBC POLICE OFFICER / FLAGGER

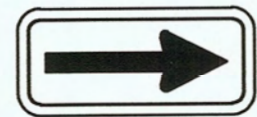
▤

TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD (CAUTION MODE)

▨

BUFFER ZONE

▩

WORK AREA

W1-6R  
48"x24" (NJDOT)  
36"x18"

BRIDGE  
CLOSED


R11-2 (MOD)  
48"x30"

BRIDGE CLOSED  
FEET AHEAD  
LOCAL TRAFFIC ONLY

R11-3 (MOD)  
60"x30"

**SIGN LEGEND**  
NOT TO SCALE

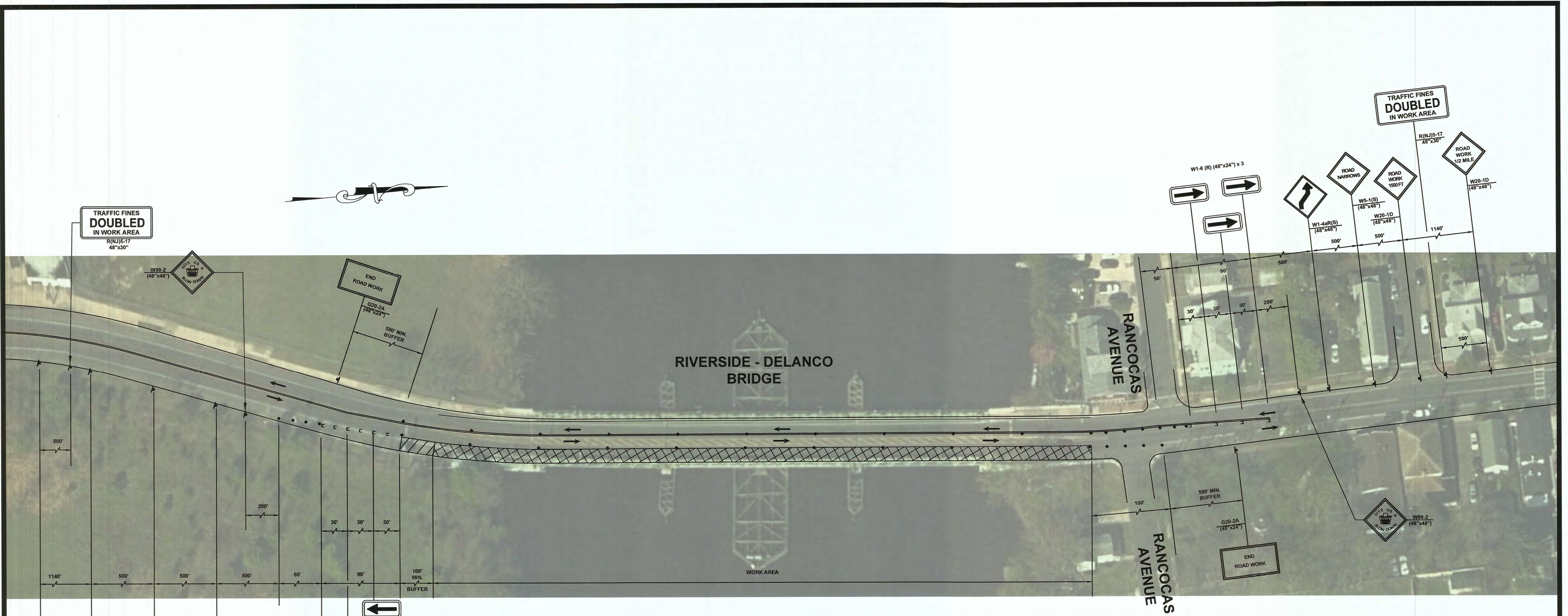
| To Be Constructed                                | Quantity | Unit  |
|--|----------|-------|
| Breakaway Barricade with Signs                   | 6        | Units |
| Construction Sign                                | 97       | SF    |
| Flashing Arrow Board 4' X 8'                     | 2        | UN    |
| Traffic Control Truck with Mounted Crash Cushion | 2        | UN    |

|  |  |                         |  |  |       |                         |          |
|--|--|-------------------------|--|--|-------|-------------------------|----------|
| No.  |  | DESCRIPTION OF REVISION |  | DATE   | DRAWN | CHECKED                 | RELEASED |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION</b>   |  |                         |  |  |       |                         |          |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION<br/>MAJOR AND MINOR BRIDGE<br/>TRAFFIC CONTROL PLANS</b>  |  |                         |  |  |       |                         |          |
| BURLINGTON COUNTY, NEW JERSEY  |  |                         |  | BRISTOL, PENNSYLVANIA  |       |                         |          |
| <b>RIVERSIDE - DELANCO BRIDGE</b>  |  |                         |  |  |       |                         |          |
| <b>FULL BRIDGE CLOSURE</b>   |  |                         |  |  |       |                         |          |
| <br>CONSULTING AND MUNICIPAL ENGINEERS<br>(732) 727 8000 NO. 24GE04452800 (732) 462 7400<br>— 3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 |  |                         |  |  |       |                         |          |
| <b>JAMES C. WATSON P.E.</b><br>NEW JERSEY PROFESSIONAL ENGINEER<br><i>James C. Watson</i>  |  |                         |  | LIC. 24GE04452800<br>DESIGNED BY<br>JD / KEC<br>CHECKED BY<br>KEC<br>DATE: 5/16/24 |       |                         |          |
| SCALE<br>As Shown  |  |                         |  | DATE<br>May 2024   |       | DRAWING NUMBER<br>TCP-5 |          |
| SHEET<br>6 of 31   |  |                         |  | FILE NO.<br>PB00509.01   |       |                         |          |

THE CONTRACTOR MUST MAINTAIN  
ACCESS TO ALL PROPERTIES AT ALL  
TIMES DURING THE CONSTRUCTION.

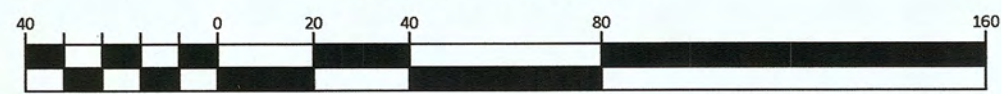
THE PLACEMENT OF ALL CONSTRUCTION  
SIGNS SHALL BE COORDINATED WITH THE  
BURLINGTON COUNTY BRIDGE COMMISSION.





PLAN

GRAPHIC SCALE



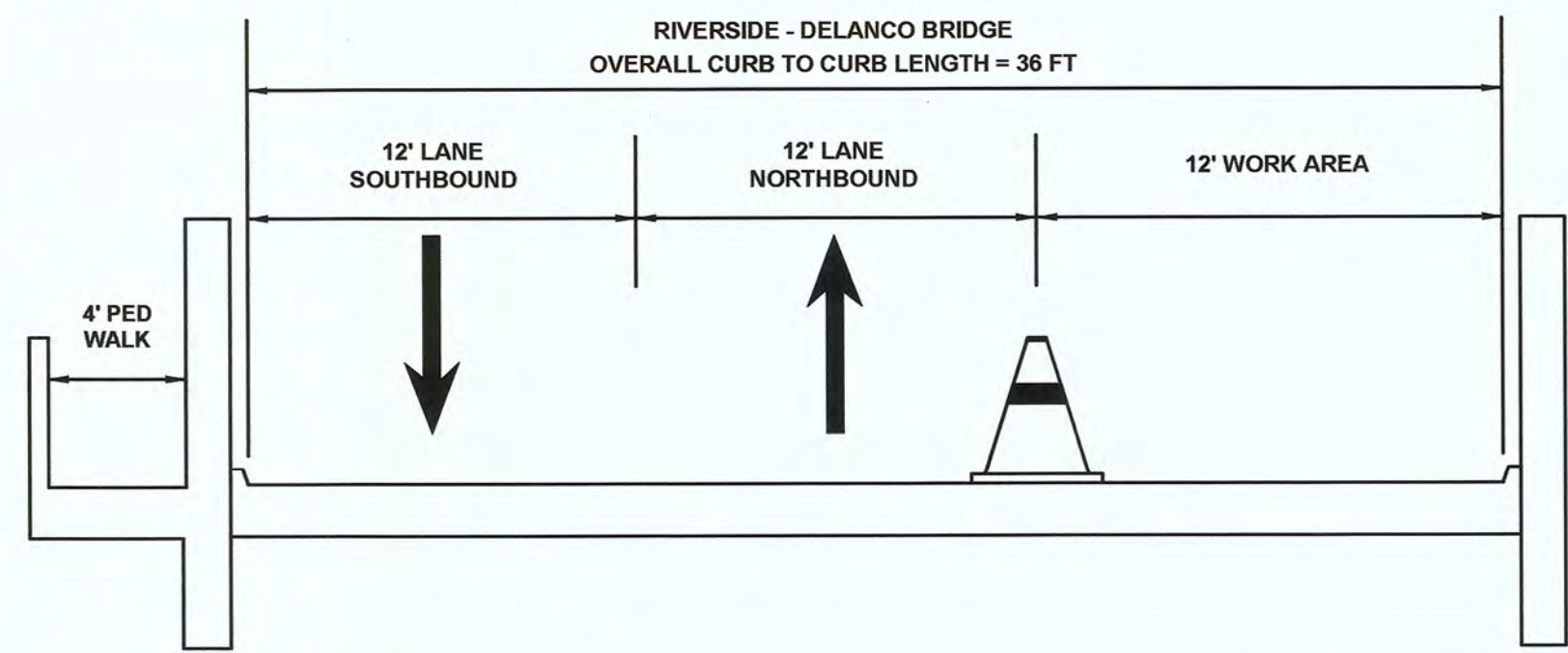
SCALE: 1"=40'

LEGEND

- |                                |   |
|--------------------------------|---|
| BREAKAWAY BARRICADES           | BCBC POLICE OFFICER / FLAGGER   |
| BREAKAWAY BARRICADES WITH SIGN | TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD (CAUTION MODE) |
| CONSTRUCTION SIGNS             | BUFFER ZONE   |
| DRUMS                          | WORK AREA   |
| CONE                           |   |
| DIRECTION OF TRAFFIC FLOW      |   |

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION.

THE CONTRACTOR MUST MAINTAIN ACCESS TO RANCOCAS AVENUE AT ALL TIMES DURING THE CONSTRUCTION.



STAGE 1 NORTHBOUND RIGHT LANE CLOSURE TYPICAL DETAIL

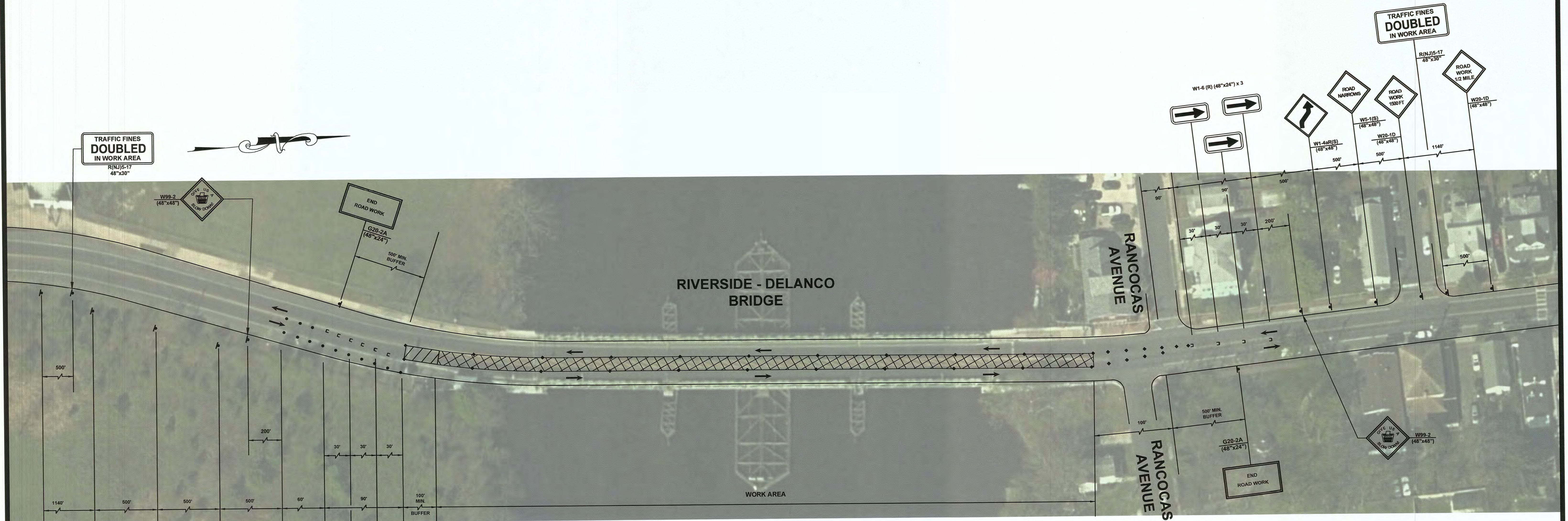
NOT TO SCALE

| To Be Constructed              | Quantity | Unit  |
|--------------------------------|----------|-------|
| Breakaway Barricade with Signs | 6        | Units |
| Breakaway Barricade            | 4        | Units |
| Drum                           | 4        | Units |
| Traffic Cones                  | 32       | Units |
| Construction Sign              | 232      | SF    |

|   |  |                         |  |                |       |                       |          |
|---|--|-------------------------|--|----------------|-------|-----------------------|----------|
| No.   |  | DESCRIPTION OF REVISION |  | DATE           | DRAWN | CHECKED               | RELEASED |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION</b>  |  |                         |  |                |       |                       |          |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION</b><br><b>MAJOR AND MINOR BRIDGE</b><br><b>TRAFFIC CONTROL PLANS</b>   |  |                         |  |                |       |                       |          |
| BURLINGTON COUNTY, NEW JERSEY      BRISTOL, PENNSYLVANIA  |  |                         |  |                |       |                       |          |
| <b>RIVERSIDE - DELANCO BRIDGE</b>   |  |                         |  |                |       |                       |          |
| <b>STAGE 1 NORTHBOUND LANE CLOSURE</b>  |  |                         |  |                |       |                       |          |
|   |  |                         |  |                |       |                       |          |
| CONSULTING AND MUNICIPAL ENGINEERS<br>NJ CERTIFICATE OF AUTHORIZATION NO. 24G28359000<br>3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162      3460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 |  |                         |  |                |       |                       |          |
| <b>JAMES C. WATSON P.E.</b><br>NEW JERSEY PROFESSIONAL ENGINEER<br>LIC. 24GE04452800  |  |                         |  |                |       |                       |          |
| SCALE: As Shown   |  | DATE: May 2024          |  | DRAWN BY: JD   |       | DESIGNED BY: JD / KEC |          |
| CHECKED BY: KEC   |  | DATE: 5/24/24           |  | SHEET: 7 of 31 |       | FILE NO: PB00509.01   |          |
| TCP-6   |  |                         |  |                |       |                       |          |

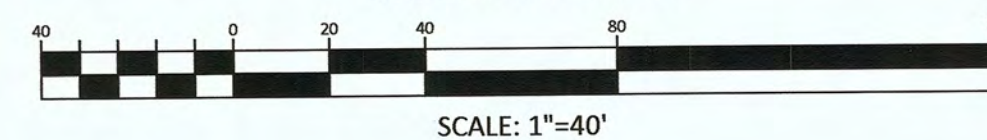
THE PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE COORDINATED WITH THE BURLINGTON COUNTY BRIDGE COMMISSION.





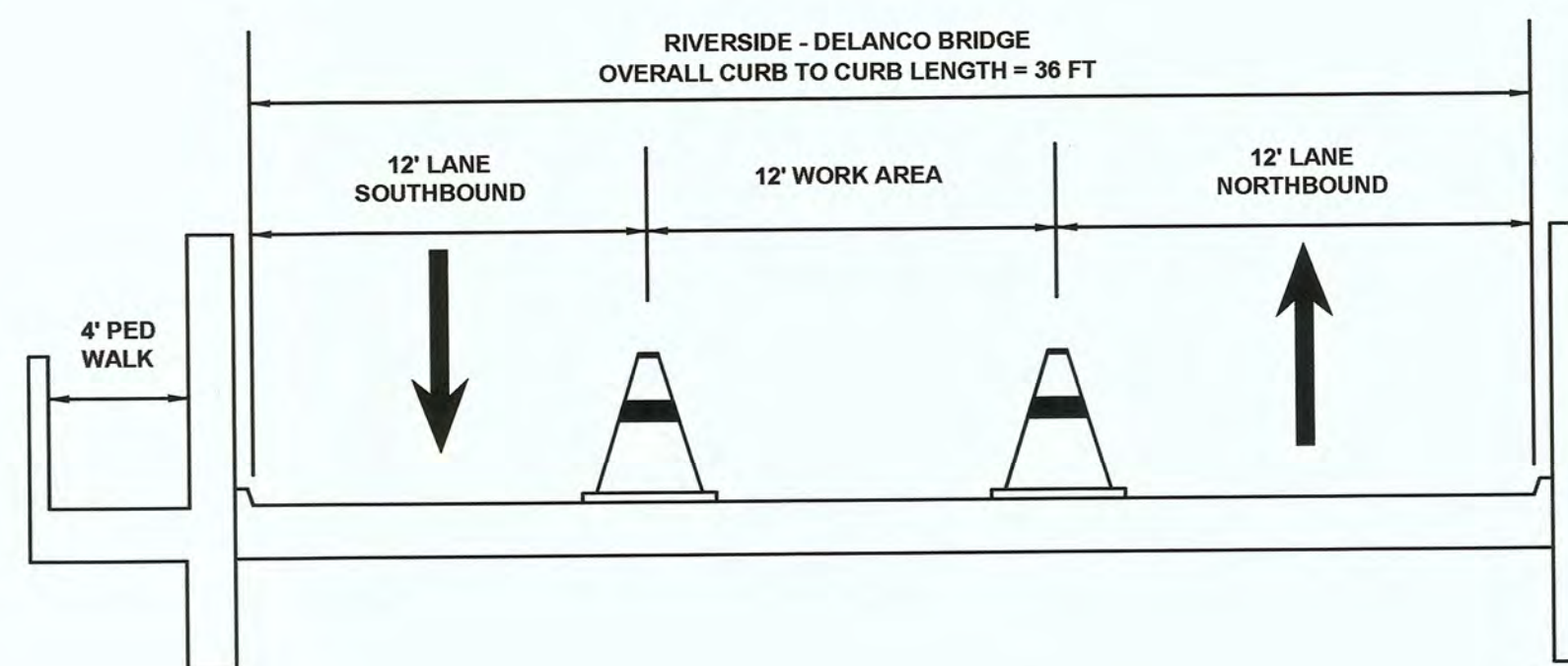
### PLAN

GRAPHIC SCALE



### LEGEND

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>□ BREAKAWAY BARRICADES</li> <li>□ BREAKAWAY BARRICADES WITH SIGN</li> <li>— CONSTRUCTION SIGNS</li> <li>● DRUMS</li> <li>◆ CONE</li> <li>→ DIRECTION OF TRAFFIC FLOW</li> </ul> | <ul style="list-style-type: none"> <li>BCBC POLICE OFFICER / FLAGGER</li> <li>TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD (CAUTION MODE)</li> <li>▨ BUFFER ZONE</li> <li>▩ WORK AREA</li> </ul> |
|--|--|



### STAGE 2 MIDDLE LANE CLOSURE TYPICAL DETAIL

NOT TO SCALE

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION.

THE CONTRACTOR MUST MAINTAIN ACCESS TO RANCOCAS AVENUE AT ALL TIMES DURING THE CONSTRUCTION.

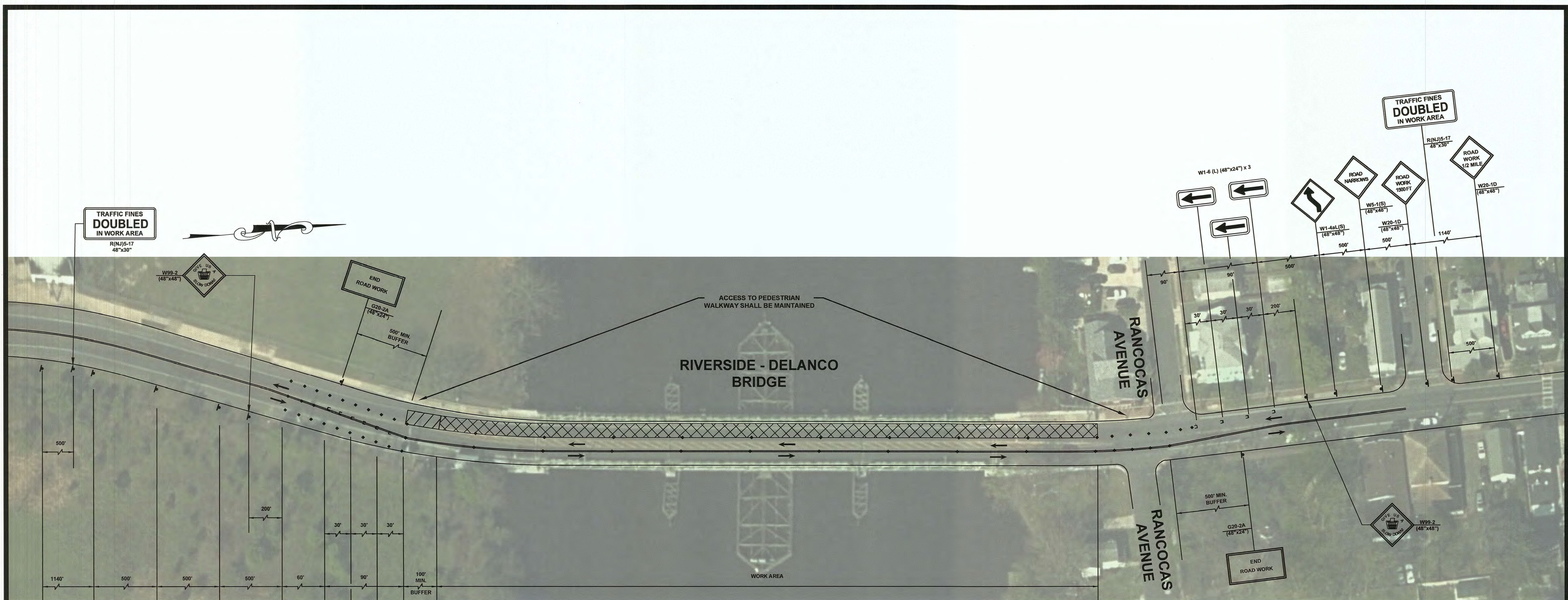
THE PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE COORDINATED WITH THE BURLINGTON COUNTY BRIDGE COMMISSION.

| To Be Constructed              | Quantity | Unit  |
|--------------------------------|----------|-------|
| Breakaway Barricade with Signs | 6        | Units |
| Breakaway Barricade            | 4        | Units |
| Drum                           | 13       | Units |
| Traffic Cones                  | 32       | Units |
| Construction Sign              | 232      | SF    |

|  |                               |  |             |                                      |                |
|--|-------------------------------|--|-------------|--------------------------------------|----------------|
| No. _____  | DESCRIPTION OF REVISION _____ | DATE _____   | DRAWN _____ | CHECKED _____                        | RELEASED _____ |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION</b>   |                               |  |             |                                      |                |
| <b>BURLINGTON COUNTY BRIDGE COMMISSION</b><br><b>MAJOR AND MINOR BRIDGE</b><br><b>TRAFFIC CONTROL PLANS</b>  |                               |  |             |                                      |                |
| BURLINGTON COUNTY, NEW JERSEY      BRISTOL, PENNSYLVANIA   |                               |  |             |                                      |                |
| <b>RIVERSIDE - DELANCO BRIDGE</b>  |                               |  |             |                                      |                |
| <b>STAGE 2 MIDDLE LANE CLOSURE</b>   |                               |  |             |                                      |                |
| <br><small>(732) 727 8000      CONSULTING AND MUNICIPAL ENGINEERS      (732) 462 7400</small><br><small>3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859-1162      3460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194</small> |                               |  |             |                                      |                |
| <b>JAMES C. WATSON P.E.</b><br><small>NEW JERSEY PROFESSIONAL ENGINEER      LIC. 24GE04452800</small><br><i>James C. Watson</i> DATE: <i>5/20/24</i>   |                               |  |             |                                      |                |
| <small>SCALE: As Shown</small><br><small>DRAWN BY: JD</small><br><small>CHECKED BY: KEC</small>  |                               | <small>DATE: May 2024</small><br><small>DESIGNED BY: JD / KEC</small><br><small>SHEET: 8 of 31</small> |             | <small>DRAWING NUMBER: TCP-7</small> |                |

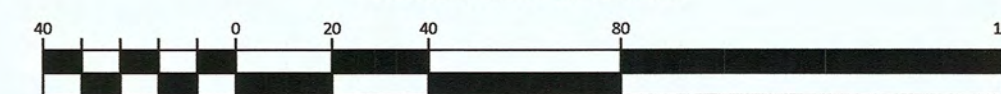
FILE NO. PB00509.01





PLAN

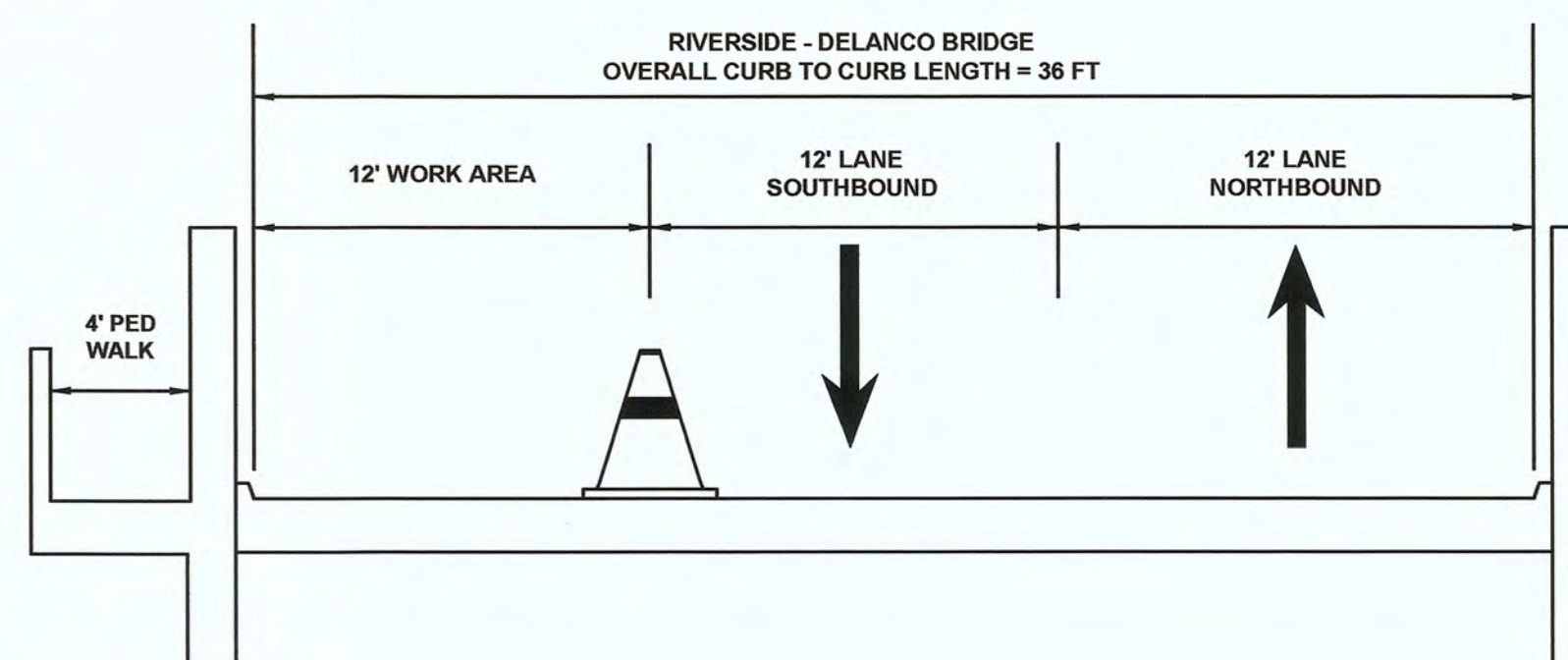
GRAPHIC SCALE



SCALE: 1"=40'

LEGEND

- |                                  |   |
|----------------------------------|---|
| □ BREAKAWAY BARRICADES           | ■ BCBC POLICE OFFICER / FLAGGER   |
| □ BREAKAWAY BARRICADES WITH SIGN | ■ TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD (CAUTION MODE) |
| ▶ CONSTRUCTION SIGNS             | ▨ BUFFER ZONE   |
| ● DRUMS                          | ▩ WORK AREA   |
| ◆ CONE                           |   |
| ← DIRECTION OF TRAFFIC FLOW      |   |



STAGE 3 SOUTHBOUND LANE CLOSURE TYPICAL DETAIL

NOT TO SCALE

THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION.

THE PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE COORDINATED WITH THE BURLINGTON COUNTY BRIDGE COMMISSION.

| To Be Constructed              | Quantity | Unit  |
|--------------------------------|----------|-------|
| Breakaway Barricade with Signs | 6        | Units |
| Breakaway Barricade            | 4        | Units |
| Traffic Cones                  | 54       | Units |
| Construction Sign              | 232      | SF    |

|   |  |                               |  |                       |  |
|---|--|-------------------------------|--|-----------------------|--|
| BURLINGTON COUNTY BRIDGE COMMISSION   |  | BURLINGTON COUNTY, NEW JERSEY |  | BRISTOL, PENNSYLVANIA |  |
| RIVERSIDE - DELANCO BRIDGE  |  |                               |  |                       |  |
| STAGE 3 SOUTHBOUND LANE CLOSURE   |  |                               |  |                       |  |
| JAMES C. WATSON P.E.<br>NEW JERSEY PROFESSIONAL ENGINEER<br>LIC. 24GE04452800           |  |                               |  |                       |  |
| CONSULTING AND MUNICIPAL ENGINEERS<br>1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194 |  |                               |  |                       |  |
| DATE: 5/24/24   |  |                               |  |                       |  |
| SHEET: 9 of 31  |  |                               |  |                       |  |
| DRAWING NUMBER: TCP-8   |  |                               |  |                       |  |