



CITY OF TACOMA

Tacoma Rail

ADDENDUM NO. 1

DATE: December 22, 2021

REVISIONS TO:

Specification No. PW21-0733F

Puyallup River Bridge Upgrades (MP 0.5C)

NOTICE TO ALL :

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE PROPOSAL:

The Bid Proposal is replaced with Bid Proposal Addendum #1 attached.

REVISIONS TO THE SPECIAL PROVISIONS:

Change #1

8-30.3 – Construction Requirements:

Add the following:

D. During the rehabilitation of the trestle no worker, equipment or material shall be allowed to enter the Puyallup River. If any debris enters into the river as a result of the work it shall be removed immediately.

Prior to the start of any demolition or construction work on the trestle all erosion control and river protection measures shall be in place. A river debris protection plan shall be completed prior to work commencing.

The plan shall detail the means and methods the contractor shall employ to prevent debris from entering the river during repairs on the structure. All costs for preparing the river protection plan shall be included in the lump sum price "SPCC Plan".

All costs for furnishing and maintaining the debris protection shall be included in the respective lump sum pay item. "Debris Containment System".

The Contractor shall comply with Federal Railroad Administration (F.R.A.) work and safety rules. All contractors and subcontractors personnel must wear hard hats, safety glasses, steel toed ankle supporting boots with defined heel and safety vest while on Tacoma Rail facilities. A fall protection plan shall be completed prior to work commencing.

The plan shall detail the means and methods the contractor shall employ to provide the fall protection during the demolition and reconstruction of the bridge deck and during the structural bracing replacement. All costs for preparing the fall protection plan shall be included in the lump sum price "Spot Replace Treated Timber Walk Planks".

All costs for furnishing and maintaining the fall protection shall be included in the respective lump sum pay item. "Spot Replace Treated Timber Walk Planks"

Change #2

8-30.3 – Construction Requirements:

Add the following new section:

8-30.3(1) – Waste Management:

8-30.3(1)A - GENERAL

The activities in this section shall include all work that will require handling, storage, sampling, disturbance, removal, transportation, designation, and/or disposal of hazardous materials and hazardous wastes which may include; soil and hazardous substances.

A. This section is to establish minimum practices to be used for the generation (including soil excavation), handling, storage, and disposal of potentially hazardous materials that may be encountered, and/or generated by the contractor.

1. All non-hazardous solid wastes generated, stored, handled, transported, and disposed of shall be managed in accordance with the standards in WAC 173-350.
2. All hazardous materials and wastes generated, stored, handled, transported, and disposed of shall be managed in accordance with the standards in WAC 173-303.

B. The contractor shall assume the following:

1. Additional sampling and analysis of materials and/or waste by the contractor may be necessary for the determination of proper handling and disposal requirements in accordance with the standards in WAC 173-303.
2. The cost of removal, handling, storage, sampling, analysis, transportation, and disposal of contaminated and/or hazardous materials and hazardous wastes as part of the execution of this contract shall be included in the lump sum payment for each item.

8-30.3(1)B Management and Analysis Of Wastes
HAZARDOUS MATERIALS/WASTES

1. The contractor shall be responsible for appropriately handling, transporting and disposing of all hazardous wastes generated and/or encountered under this contract.
2. The contractor shall be responsible for the sampling and analysis of all waste materials (waste streams) generated.
3. Hazardous wastes must be sampled, analyzed, and profiled in accordance with Washington Department of Ecology waste designation requirements as codified in WAC 173-303.
4. Testing shall be performed by a Washington State Department of Ecology accredited laboratory using EPA approved Methodologies for all testing required for waste determination.
5. The contractor shall report all proposed waste characterizations with the engineer prior to any waste transportation and/or disposal efforts are performed. The contractor may deviate from this approach only after providing a written work plan describing in detail the evaluation process and methods, If an alternative is proposed the City of Tacoma Project Engineer must review and approve the plan prior to any work starting.
6. The contractor shall report all proposed hazardous waste disposal locations with the engineer prior to any waste transportation and/or disposal efforts are performed. The contractor may deviate from this approach only after providing a written work plan describing in detail the handling, storage, and disposal location(s) and process(es) that will be used. If an alternative handling, storage, or disposal method is proposed, the City of Tacoma Project Engineer must review and approve the plan prior to any work starting.
7. Testing and waste characterizations may not be required if the waste materials are managed under a Department of Ecology approved recycling exemption (e.g. recycling of scrap steel without removal of coating, recycling of used concrete).

8-30.3(1)C CODES, LAWS AND REGULATIONS

The following laws, codes, and regulations shall be followed for the removal of soils, hazardous materials, and stormwater management:

- A. Washington State Department of Labor and Industries Chapters 296-155 WAC, 296-24 WAC, 296-62 WAC
- B. Washington State Department of Ecology Chapters 173-303 WAC, 173-304 WAC, 173-350 WAC
- C. Code of Federal Regulations Chapters 29 and 40.

8-30.3(1)D - EXECUTION
HAZARDOUS MATERIALS/WASTES

1. The contractor shall perform a baseline study for each work area where hazardous materials will be disturbed.
 - a. The contractor shall include all aspects of the environment local to the job site.
 - b. The contractor shall submit a plan showing test locations and results to the engineer prior to commencement of work involving the disturbance of hazardous materials at the job site.
 - c. Upon completion of work, including demobilization, the contractor shall perform a post-baseline study and shall submit the study to the engineer.
 - d. The City will not make final payment for work until the engineer has received and reviewed the post-baseline study.
2. All hazardous waste removal work shall be performed by workers that have completed all required training activities and are knowledgeable in the removal of hazardous waste materials.
3. The contractor shall follow all requirements of the above codes and regulations to protect all people who may enter the work area during hazardous waste removal.
4. All requirements of the county health department(s) shall be followed at all times.
5. The contractor shall furnish and require use of respiratory equipment and special protective clothing for all employees exposed to airborne contaminants or other hazardous materials.
6. The contractor shall be responsible for the removal, encapsulation and disposal of all hazardous waste materials disturbed, managed, and/or generated under this contract.
7. If applicable and/or requested by the engineer, the contractor shall include a copy of their lead/asbestos abatement program, management policies and procedures in the Contractor's Work Hazard Analysis Report. The Report shall be submitted to the City for the preconstruction conference in accordance with Section 01500 – Construction Facilities and Temporary Controls.

Change #3

Part II Special Provisions:

Add the following new Appendix:

Appendix 3 - Site Photos

(Photos for this Appendix are attached to this document.)

Change #4
8-31.5 Measurement
Add the following:

“Debris Containment System” shall be per lump sum.

Change #5
8-31.6 Payment
Add the following:

“Debris Containment System” per lump sum.

- a. The price per lump sum for “Debris Containment System” shall be full pay for all labor, equipment, materials, and contractor overheads necessary to install, maintain, and remove the disposal containment system, including disposal of materials collected as described in the specifications.

Change #6
Table of Contents:
The table of contents on page 4 of the specifications is replaced with the following:

SPECIFICATION NO. PW21-0733F

TABLE OF CONTENTS

NOTE: ALL BIDDERS MUST HAVE A COPY OF THE SPECIFICATIONS AND THE
BID SUBMITTAL PACKAGE

REQUEST FOR BIDS

SPECIAL REMINDER TO ALL BIDDERS

SPECIAL NOTICE TO BIDDERS

PART I BID PROPOSAL AND CONTRACT FORMS

- 1 Bid Proposal
- 2 Signature Page
- 3 Bid Bond
- 4 Certification Of Compliance With Wage Payment Statutes
- 5 State Responsibility and Reciprocal Bid Preference Information
- 6 Statement of Qualifications
- 7 Contract
- 8 Payment Bond to the City of Tacoma
- 9 Performance Bond to the City of Tacoma
- 10 General Release Form

PART II SPECIAL PROVISIONS

Division 1 General Requirements

PART III	CITY OF TACOMA - LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) REGULATIONS FOR PUBLIC WORKS CONTRACTS
PART IV	STATE PREVAILING WAGE RATES AND GENERAL REQUIREMENTS

Addendum #1
Revised: 07/30/2015

Attachment 1

Answers to Questions Recieved



City of Tacoma

Questions and Answers

Puyallup River Bridge Upgrades (MP 0.5C) RFB Specification No. **PW21-0733F**

All interested parties had the opportunity to submit questions in writing by email to Tina Eide, Senior Buyer by January 3, 2022. The answers to the questions received are provided below and posted to the City's website at www.TacomaPurchasing.org. Navigate to [Current Contracting Opportunities](#) / *Public Works and Improvements Solicitations*, and then click *Questions and Answers* for this Specification. This information IS NOT considered an addendum. Respondents should consider this information when submitting their proposals.

Question 1: Do you have the estimated project value?

Answer 1: The estimated project value is listed on the Request for Bids page.

Question 2: Do you know if there are any union requirements?

Answer 2: Specific project requirements for labor are found in the Special Provisions.

Question 3: Do you have an anticipated construction start/end date?

Answer 3: Construction is anticipated to occur in 2022. Working days for the project can be found in Section 1-08.5.

Question 4: We request modifications to the City's Supplemental criteria for the following specifications; Page 4 item B "Special Notice to Bidders" Railroad Bridge Repair Manager.

Answer 4: The City developed the specifications referenced to ensure that the successful contractor is a FRA qualified contractor for supervision, track protection and safety. The City and Tacoma Rail do not anticipate changing the experience requirements.

Question 5: Will the City Of Tacoma exercise it's discretion, as Owner, to waive the railroad experience requirements (Special Notice to Bidders, Section B., paragraph 1.) for the Puyallup River Bridge Upgrades for known and experienced contractors that have worked for the City regularly on projects with similar scopes?

Answer 5: The City will evaluate experience presented on the "Statement of Qualifications for Rail Contractor" to determine if it meets the contract requirements. Paragraph one of the Special Notice emphasizes the need for rail construction experience under traffic as described in 8-30.3 Construction Requirements Subpart B.

Attachment 2

Addendum #1 Bid Proposal

BID PROPOSAL
Addendum #1

SPECIFICATION NO. PW21-0733F

Puyallup River Bridge Upgrades (MP0.5C)

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. TRM-00044 and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices:

- NOTE: 1. Unit prices of all items, all extensions and total amount of bid should be shown. Show unit prices in figures only.
2. The notations below the item numbers refer to the specification section where information may be found regarding each contract item. These notations are intended only as a guide and are not warranted to refer to all specification sections where information may be found.

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
1. 8-31	COVID 19 Health and Safety Plan	1 Lump Sum	Lump Sum	\$ _____
2. 1-07.15(1)	SPCC Plan	1 Lump Sum	Lump Sum	\$ _____
3. 1-09.7	Mobilization	1 Lump Sum	Lump Sum	\$ _____
4. 8-01	Stormwater Pollution Prevention Plan (SWPPP)	1 Lump Sum	Lump Sum	\$ _____
5. 8-31	Spot replace Trtd. Timber Bridge Ties 8" x 10" x 10' (Spans 18-21) Contractor to verify tie dimensions	30 Each	\$ _____	\$ _____
6. 8-31	Spot replace Trtd. Timber Bridge Walkway Ties 8" x 10" x 15' (Spans 1-17 & 23-32) Contractor to verify tie dimensions	8 Each	\$ _____	\$ _____

Bidder Name: _____
Addendum #1 Specification No. PW21-0733F
Page 1 of 2

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
7. 8-31	Spot replace Trtd. Timber Bridge Walkway Ties 8" x 10" x 15' (Spans 18-22 & 33) Contractor to verify tie dimensions	25 Each	\$ _____	\$ _____
8. 8-31	Spot Replace Treated Timber Tie Spacers Spans 1-33	1 Lump Sum	Lump Sum	\$ _____
9. 8-31	Spot Replace Loose Bridge Tie Clips, Spans 18-21	1 Lump Sum	Lump Sum	\$ _____
10. 8-31	Install new wire rope handrail, steel railing posts	1 Lump Sum	Lump Sum	\$ _____
11. 8-31	Spot Replace Treated Timber Walk Planks	1 Lump Sum	Lump Sum	\$ _____
12. 8-31	Install Treated Timber Helper Stringers & Sway Braces	1 Lump Sum	Lump Sum	\$ _____
13. 8-31	Clean debris from Steel DPG spans (Spans 18-21)	1 Lump Sum	Lump Sum	\$ _____
14. 8-31	Steel Truss Repairs - Spans 22 and 33	1 Lump Sum	Lump Sum	\$ _____
15. 8-31	Re-install inner guardrail	100 Track Ft.	\$ _____	\$ _____
16. 8-31	Shims – Between Pile & Cap	1 Lump Sum	Lump Sum	\$ _____
17. 8-31	Debris Containment System	1 Lump Sum	Lump Sum	\$ _____

Subtotal Items Nos. 1 - 17

\$ _____

10.3% Sales Tax (Items Nos. 1 - 17)

\$ _____

Force Account

\$ 30,000.00

Base Bid (Subtotal Items Nos. 1 - 17, plus force account, plus Tax)

\$ _____

Bidder Name: _____

Addendum #1 Specification No. PW21-0733F

Page 2 of 2

Attachment 3

Site Photos



City of Tacoma
Department of Public Works

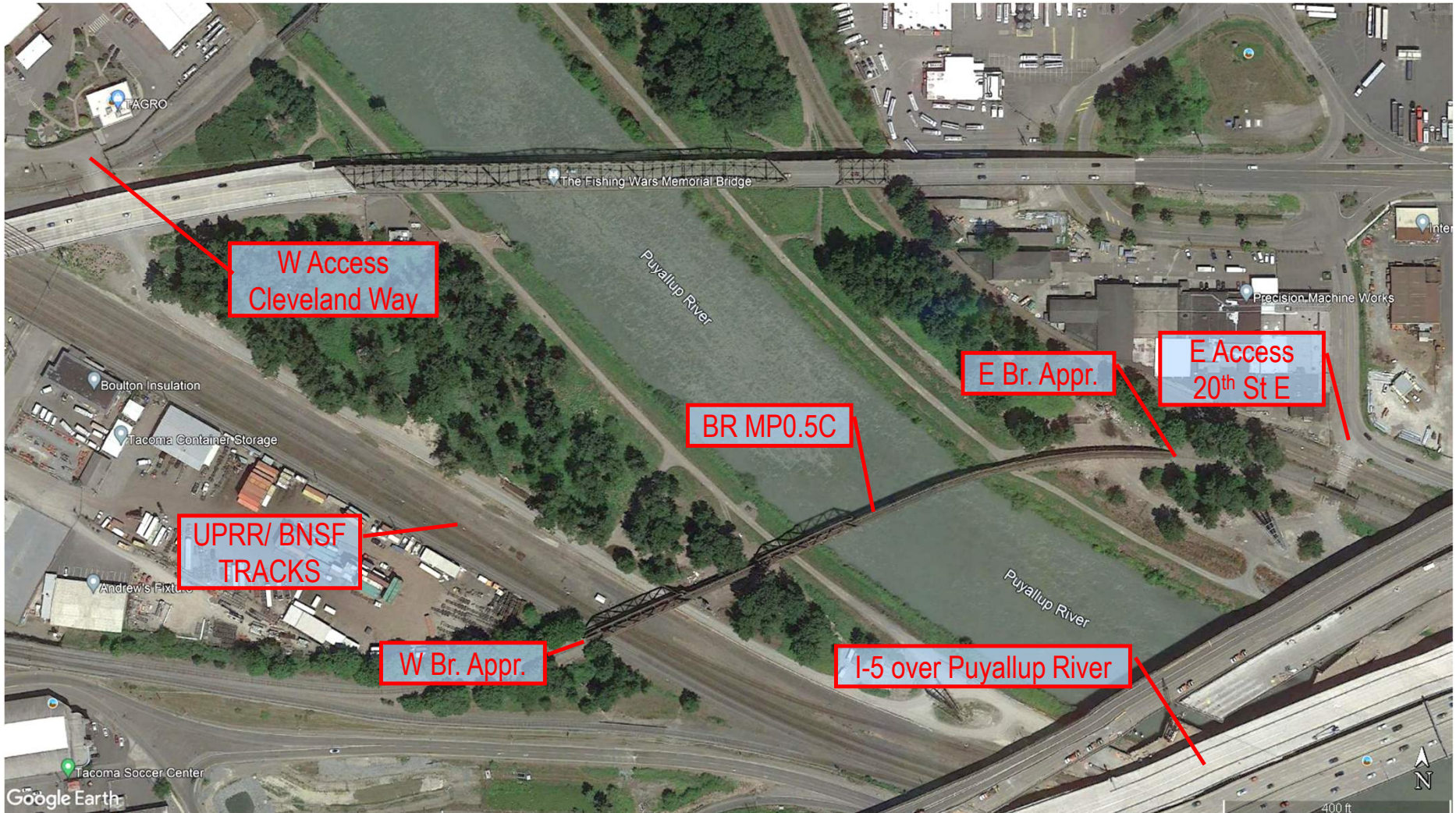


Tacoma Rail Puyallup River Bridge Upgrades (MP0.5C)

Project No. TRM-00044
Spec. No. PW21-0733F
December 14, 2021



Vicinity Map



Bridge Layout



West Approach looking geographic north
behind Abutment 34.



East approach looking geographic south
behind Abutment 1.

Bridge Layout



Skewed left elevation showing
approach Spans 1-17.



Skewed left elevation showing
Spans 18-21.

BRIDGE REHAB BID ITEMS

- 1 Item 5 – 9: Spot Replace Treated Timber Ties/Tie Spacers/
Replace Loose Bridge Clips
- 2 Item 10: Install new wire rope handrail, steel railing posts
- 3 Item 11: Spot Replace Treated Timber Walk Planks
- 4 Item 12: Install Treated Timber Helper Stringers & Sway Braces
- 5 Item 13: Clean debris from Steel DPG Spans
- 6 Item 14: Steel Truss Repairs – Spans 22 and 33
- 7 Item 15: Reinstall inner guardrail
- 8 Item 16: Shims Between Pile & Cap

*Debris to be collected
and not permitted to
enter waterway.

Bid Item 5 – 9 Spot Replace Treated Timber Ties/Tie Spacers Replace Loose Bridge Clips



Typical Deck Configurations and severely decayed ties requiring replacement.
Field verify sizes prior to ordering, notching as required.



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 5 – 9 Spot Replace Treated Timber Ties/Tie Spacers Replace Loose Bridge Clips



Typical Tie Spacer and Condition



Typical loose tie bridge clip



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 10: Install new wire rope handrail, steel railing posts



Walkway on Steel Truss Span



Walkway on Steel DPG spans over River



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

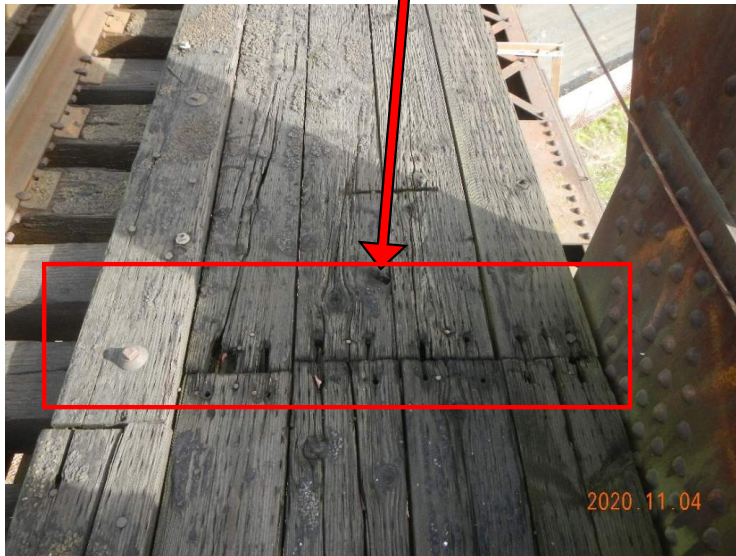
ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 11: Spot Replace Treated Timber Walk Planks



Typical decayed and failed walkway planks



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

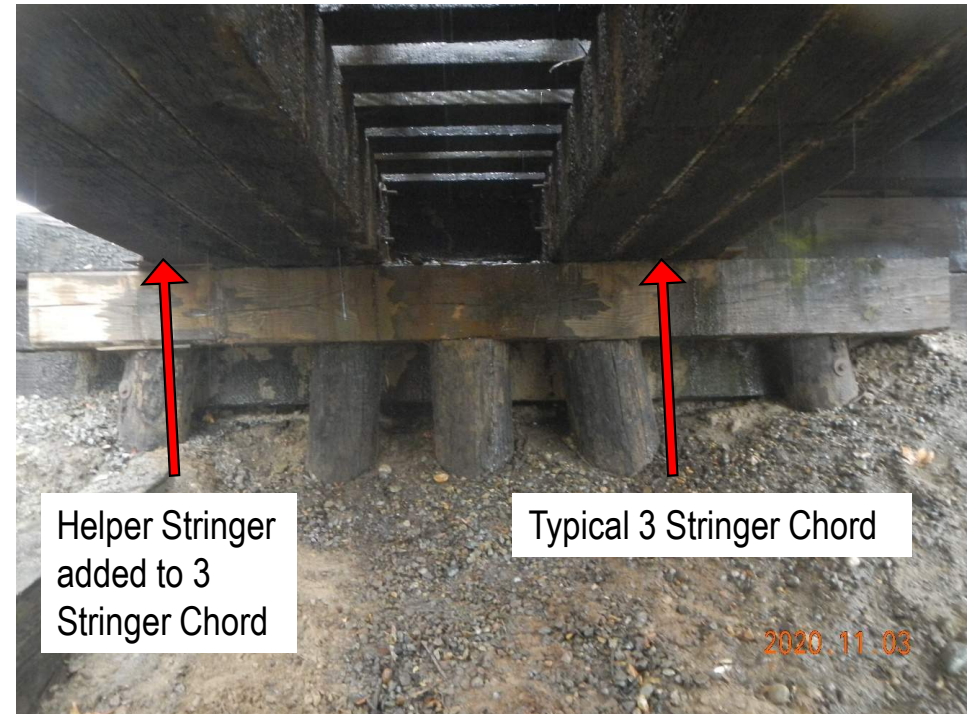
ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 12: Install Treated Timber Helper Stringers & Sway Braces



Typical Timber Stringer Configuration



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 12: Install Treated Timber Helper Stringers & Sway Braces



Broken sway brace at Bent 14 right side connection to base of Pile 5.



Broken sway brace at Bent 13 left side connection to base of Pile 1.



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 13: Clean debris from Steel DPG Spans



Debris accumulation on
Girder Top/Bottom
Gussets and Bearings



Debris to be collected
and not permitted to
enter waterway.



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

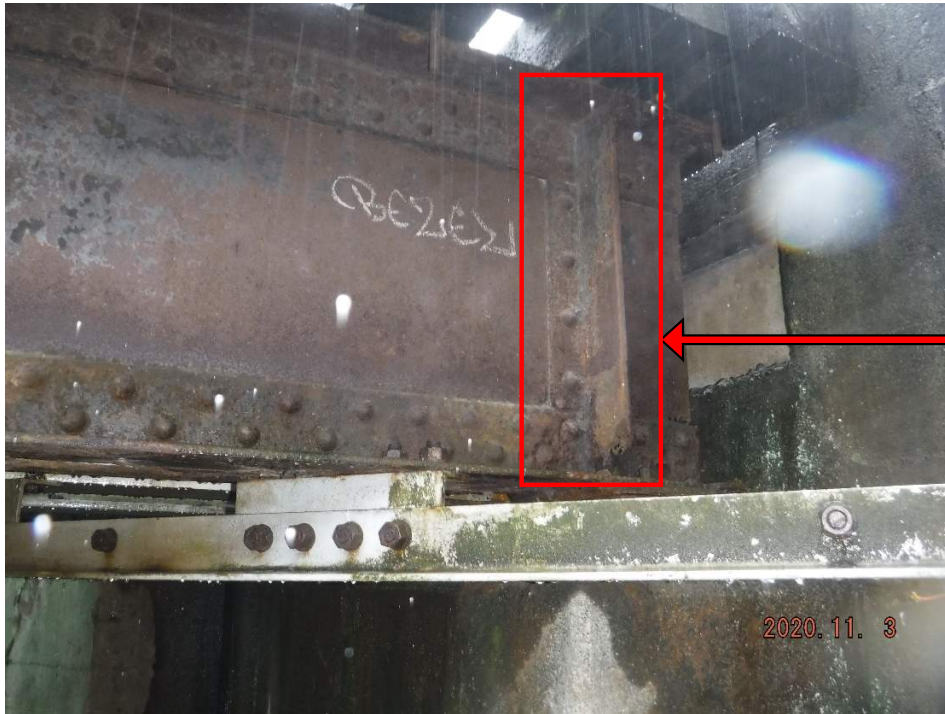
ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 14: Steel Truss Repairs – Spans 22 and 33



Replace Bearing Stiffener – Span 33, Stringer 4 @
Abutment 34



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 14: Steel Truss Repairs – Spans 22 and 33



Clean and re-grease bearings
for both Span 22 and 33



Replace missing bearing roller bolts
(span 22 shown)



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 14: Steel Truss Repairs – Spans 22 and 33



Re-tighten loose nuts on eye bar dampener
(Left Truss Span 22, Member U7-L6)



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 15: Reinstall inner guardrail



West Approach behind Abutment 34.
Extend inner guardrail 60' from end of Bridge



ITEM 5-9: Ties

ITEM 10: Handrail

ITEM 11: Walkway

ITEM 12: Stringers

ITEM 13: Debris

ITEM 14: Truss
Repairs

ITEM 15: Guardrail

ITEM 16: Shims

Bid Item 16: Shims Between Pile & Cap



Bent 24 - Pile 2



Bent 16 - Pile 1