

**BID BOOKLET
FOR HIGHWAY CONSTRUCTION**

**PORT OF HOOD RIVER
HOOD RIVER, OREGON**

**HOOD RIVER INTERSTATE BRIDGE
MISCELLANEOUS TRUSS AND STEEL REPAIRS
HOOD RIVER – WHITE SALMON HWY.
HOOD RIVER, OR. AND KLICKITAT, WA. COUNTIES
FEBRUARY 2019**

CLASS OF PROJECT PORT OF HOOD RIVER

CLASS OF WORK BRIDGE AND STRUCTURES

BID OF _____

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DESCRIPTION OF PARTS OF CONTRACT WHICH ARE NOT BOUND HEREIN

(1) Standard Specifications

The "2018 Oregon Standard Specifications for Construction" as published by the Oregon Department of Transportation.

Copies of the "2018 Oregon Standard Specifications for Construction," may be purchased from Oregon Department of Transportation by calling Contractor Plans Office, (503) 986-6936

(2) Plans

Applicable Plans, either separate from the Special Provisions or included within the Special Provisions.

Copies of the plans will be furnished by the Project Manager.

SECTION I. PROJECT INFORMATION

DESCRIPTION OF WORK

Hood River Interstate Bridge
Miscellaneous Truss and Steel Repairs
Hood River – White Salmon Hwy.
Hood River, OR. and Klickitat, WA. Counties

TIME AND PLACES OF RECEIVING BIDS (BID CLOSING)

Bid Closing for the work described above will be 2:00:00 p.m. on the 19th day of March, 2019. Bids will be addressed to Michael McElwee, at the following time and places:

Before 2:00:00 p.m. on the day of Bid Closing:
Michael McElwee, Executive Director
Port of Hood River
1000 E. Port Marina Drive
Hood River, Oregon 97031

Bids, Bid modifications, and Bid withdrawals will not be accepted after 2:00:00 p.m. on the day of Bid Closing.

MANDATORY MEETING

There will be a mandatory meeting for all potential bidders on February 26 at 10:00 a.m. The meeting location will be the Port of Hood River Office, 1000 E. Port Marina Drive, Hood River, Oregon. Statements made by Port representatives shall be considered non-binding unless issued as a written addendum.

PLACE, TIME, AND DATE OF READING BIDS (BID OPENING)

Bids for the work described above will be opened and read at the Port of Hood River, 1000 E. Port Marina Drive, Hood River, Oregon, at 2:00 p.m. on the 19th day of March, 2019.

COMPLETION TIME LIMIT

Complete all Work to be done under the Contract not later than 90 Working Days from Project Start.

CLASS OF PROJECT

This is a Port of Hood River Project.

CLASS OF WORK

The Class of Work for this Project is: Bridges and Structures.

PROJECT INFORMATION

Information pertaining to this project may be obtained from the following:

PORT Contact, John Mann, Facilities Maintenance Manager; **contact via email (not phone) at jmann@portofhoodriver.com.**

APPLICABLE SPECIAL PROVISIONS

The Special Provisions booklet applicable to the above-described work, for which Bids will be opened at the place, time, and date stated above, is that which contains the exact information as shown above on the previous page.

Bidders are cautioned against basing their Bids on a booklet bearing any different description, date(s), class of project, or class of work.

SECTION II. BID FORM

BID FORM

This Bid must be signed in ink by an authorized representative of the Bidder; any alterations or erasures to the Bid must be initialed in ink by the undersigned authorized representative.

1. CCB Requirements

All Bidders shall be licensed with the State of Oregon Contractors Board (CCB) prior to bidding on Public Improvement Contracts. Failure to comply with this requirement shall result in Bid Rejection.

All subcontractors participating in the project shall be similarly registered with the State of Oregon Contractors Board at the time they propose to engage in subcontract work. The CCB registration requirements apply to all public works contracts unless superseded by federal law.

Construction Contractors Board Number: _____
Expiration Date: _____

2. Asbestos Abatement Licensing Requirements

An asbestos abatement license under ORS 468A.720 will not be required of the Contractor or its subcontractors.

3. Joint Venture/Partnership Disclosure

The Undersigned has authority on behalf of the following entity and is (check one of the following and insert information requested):

- ___ a. A corporation organized and existing under the laws of the State of _____; or
- ___ b. A partnership/joint venture registered under the laws of the State of _____;
If yes, name of the contact person for the partnership/joint venture _____; or
- ___ c. A limited liability corporation (LLC) or limited liability partnership (LLP) under the laws of the State of _____; or
- ___ d. An individual doing business under an assumed name registered under the laws of the State of _____.

4. Addendum or Addenda Acknowledgement

ADDENDA: The Undersigned hereby acknowledges receipt of the following Addenda:

ADDENDUM NO.	DATED	ADDENDUM NO.	DATED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5. Responsibility Inquiry/ Contractor References

(Provide (3) related project references and contact information)

Project Name	Reference Name	Phone No.
_____	_____	_____
_____	_____	_____
_____	_____	_____

6. Recycled Products

Bidder will comply with the recycled products provision in the Invitation to Bid in accordance with ORS 279A.125. Contractors shall use recyclable products to the maximum extent economically feasible in the performance of the contract work as set forth in this document.

7. Residency Information

Bidder is a () Resident Bidder () Non-resident Bidder

If a Resident Bidder, enter your Oregon business address:

If a Non-resident Bidder, enter State of residency: _____

8. Compliance with Tax Laws

By my signature, I hereby attest or affirm under penalty of perjury: that I am authorized to act on behalf of the Contractor in this matter, that I have authority and knowledge regarding the payment of taxes, and that Contractor is, to the best of my knowledge, not in violation of any Oregon Tax Laws and any local tax laws administered by the Oregon Department of Revenue under ORS 305.620.

9. Certification of Drug-Testing Law Requirements

By my signature, I certify that Contractor shall demonstrate that an employee drug testing program is in place.

10. Certification of Compliance with Non-Discrimination Laws

By my signature, I hereby attest or affirm under penalty of perjury: that I am authorized to act on behalf of Contractor in this matter, and to the best of my knowledge, the Contractor has not discriminated against minority, women or emerging small business enterprises in obtaining any required subcontracts, and that the Contractor is not in violation of any Discrimination Laws.

11. Certification of Responsible Bidder

By my signature I hereby certify that Contractor is a Responsible Bidder as that term is defined in ORS 279C.375(3)(b). The Port may reject all bids for good cause after finding that doing so is in the public interest.

12. Evaluation Process

The Port may reject any bid not in compliance with Oregon Public Contracting procedures and requirements. The solicitation schedule, deadlines, protest process and evaluation process are as follows:

Bids will be opened and the total bid price (base bid plus add alternatives) for each Bid will be read publicly at the time and place indicated in Section I – Project Information.

After the Bids are opened and a determination is made that a Contract is to be awarded, the Contract will be awarded to the lowest responsible Bidder.

In addition to applicable portions of Section 00120 and 00130 of the Specifications, all forms in Sections II through IX and Section XI shall be completed.

13. Bid Evaluation Criteria

Bids will be evaluated to identify the lowest responsive Bid submitted by a responsible Bidder and not otherwise disqualified. (Refer to OAR 137-049-

0390). Adjustments made to account for reciprocal preferences will be for Offer evaluation purposes only. No such adjustments shall operate to amend Bidder's Bid or any Contract awarded pursuant thereto.

To be considered responsive, the Bidder must substantially comply in all material respects with applicable solicitation procedures and requirements and the solicitation documents. In making such evaluation, the Port of Hood River may waive minor informalities and irregularities.

Prior to award of a contract, the Port of Hood River will evaluate whether the apparent successful Bidder meets the applicable standards of responsibility identified in ORS 279C.375(2)(b) and OAR 137-049-0390. In doing so, the Port of Hood River may investigate the Bidder and request information in addition to that already required in the ITB, when the Port of Hood River, in its sole discretion, considers it necessary or advisable.

14. Additional Contract Terms

The following contract terms shall be included in the contract:

- (A) Contractor shall make prompt payment to all Persons supplying labor or material; contributions to Industrial Accident Fund; liens and withholding taxes (ORS 279C.505(1));
- (B) Contractor shall demonstrate that an employee drug testing program is in place (ORS 279C.505(2));
- (C) Payment of claims by public officers (ORS 279C.515(1));
- (D) Contractor and first-tier subcontractors shall be liable for late payments pursuant to ORS 279C.515(2), including the interest at the legal rate;
- (E) Complaints may be filed with the Construction Contractors Board pursuant to (ORS 279C.515(3));
- (F) Contractor shall comply with ORS 279C.520 regarding employment hours and overtime and shall notify each employee prior to starting work of the number of hours per day and days per week that the contractor may require the employees to work; ORS 279C.540 regarding maximum hours, holidays and overtime; ORS 279C.545 regarding overtime claims;
- (G) All employers, including Contractor, that employ subject workers who work under this Contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its subcontractors complies with these requirements. (ORS 279C.530(2)).

15. Signature of Bidder's Duly Authorized Representative

The Bid must be signed in ink by an authorized Representative of the Bidder. Any alterations or erasures to the bid must be initialed in ink by the undersigned authorized representative.

The undersigned acknowledges, attests and certifies individually and on behalf of the Bidder that:

1. He/She is a duly authorized representative of the Bidder, has been authorized by Bidder to make all representations, attestations, and certifications contained in this Bid and all Addendum or Addenda, if any, issued.
2. Bidder, acting through its authorized representatives, has read and understands all Bid instructions, specifications, plans, terms and conditions contained in this Bid document, including all attachments, exhibits, and Addenda, if any, issued.
3. The Bid submitted is in response to the specific language contained in the Invitation to Bid, and Bidder has made no assumptions based upon either (a) verbal or written statements not contained in the Invitation to Bid, or (b) any previously issued Invitation to Bid, if any.

4. The Owner shall not be liable for any claims or be subject to any defenses asserted by Bidder based upon, resulting from, or related to, Bidder's failure to comprehend all the requirements of the Invitation to Bid.
5. The Owner shall not be liable for any expenses incurred by Bidder in preparing and submitting its Bid or in participating in the Bid evaluation/selection process.
6. The Bidder agrees to be bound by and comply with all applicable requirements of ORS 279C.800 through ORS 279C.870 and the administrative rules of the Bureau of Labor and Industries (BOLI) regarding prevailing wage rates and payment of a fee to BOLI. The Port will not receive or consider bids unless the Contractor affirms and certifies below that the Contractor will comply with ORS 279C.800 through ORS 279C.870 and Contractor will be bound by and will comply with the provisions of ORS 279C.838 and ORS 279C.840.
7. The Bid was (1) prepared independently from all other Bidders, and without collusion, fraud, or other dishonesty and without any agreement, understanding, or planned common course of action with, any other vendor of materials, supplies, equipment, or services described in the Invitation to Bid designed to limit independent bidding or competition; and (2) the contents of this Bid have not been communicated by the Undersigned or its employees or agents to any person not an employee or agent of the Undersigned or its surety on any bond furnished with the Bid and will not be communicated to such person prior to the official opening of the Bids.
8. Bidder is bound by and will comply with all requirements, specifications, plans, terms and conditions contained this Bid, including all attachments, exhibits and Addendum or Addenda, if any, issued.
9. Bidder will furnish the designated items and/or services in accordance with the Bid specifications, plans, and requirements, and will comply in all respects with the terms of the resulting Contract upon award. Bidder represents and warrants that Bidder has the power and authority to enter into and perform the Contract and that the Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms.
10. All affirmations and certifications contained in sections 6,7,8,9 and 10 are true and correct.

Authorized Signature

Title

FEIN ID # or SSN # _____

Contact Person: _____

Telephone Number () _____ Fax () _____

SECTION III. PRICING SUBMITTAL FORM

PRICING SUBMITTAL FORM

DATE: _____

**PORT OF HOOD RIVER
1000 E. PORT MARINA DRIVE
HOOD RIVER, OREGON 97031**

PRICE SUBMITTAL:

The Undersigned proposes and agrees, if this Bid is accepted, to enter into an agreement with the Port of Hood River to furnish all Work as specified or indicated herein for the ITB indicated and within the schedule indicated in the Invitation to Bid. Bidder has familiarized itself with the Work and has visited and inspected the site and is familiar with all the field conditions, legal requirements (federal, state, and local laws, ordinances, rules and regulations), and conditions affecting cost, progress and performance of work, and has made such independent investigations as Bidder deems necessary. Bidder has given the Port written notice of all conflicts, errors, and/or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by the Port is acceptable to Bidder.

BASE BID: Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs
FOR THE BASE SUM OF:

_____ DOLLARS. (\$ _____)

CHANGES TO THE WORK

- A. If adjustments to the work occur, the Bid Sheet or Schedule of Values will be used for basis of cost adjustment. If quantities are adjusted by more than 25% equitable overhead factor may be applied.

The Undersigned agrees, if awarded the Contract, to complete this work not later than:

_____, 20__.

Company: _____ Telephone: _____

Company Address: _____

Email: _____ Fax: _____

Construction Contractors Board Number _____

Expiration Date _____

I attest that I have the authority to commit the firm named above to this Bid amount and acknowledge that the firm meets the qualifications necessary to perform this work as outlined in the Invitation to Bid. I understand that I will be required to provide necessary information to verify that the firm meets these qualifications if selected for the Contract.

By: _____

Signature / Name & Title / Date

SECTION IV. BID BOND FORM

BID BOND FORM

Project Name: Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs

We, _____, as "Principal,"
(Name of Principal)

And _____, an _____ Corporation,
(Name of Surety)

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto the Port of Hood River ("Obligee") the sum of (\$ _____)

_____ dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its proposal or bid to the Obligee in response to Obligee's solicitation document for the project identified as: Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs which proposal or bid is made a part of this bond by reference, and Principal is required to furnish bid security in an amount equal to ten (10%) percent of the total amount of the bid pursuant to the solicitation document and ORS 279C.365(4) for competitive bidding or 279C.400(5) for competitive proposals.

NOW, THEREFORE, if the proposal or bid submitted by Principal is accepted, and if a contract pursuant to the proposal or bid is awarded to Principal, and if Principal enters into and executes such contract within the time specified in the procurement document and executes and delivers to Obligee its good and sufficient performance and payment bonds required by Obligee, as well as any required proof of insurance, within the time fixed by Obligee, then this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this _____ day of _____, 20____.

PRINCIPAL: _____ **SURETY:** _____

By _____
Signature

BY ATTORNEY-IN-FACT: _____

Official Capacity

Name

Attest: _____
Corporation Secretary

Signature

Address

City State Zip

Phone Fax

SECTION V. FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

Project Name Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs

Bid Opening Date _____

Name of Bidding Contractor _____

Email Address _____

CHECK THIS BOX IF YOU WILL NOT BE USING ANY FIRST-TIER SUBCONTRACTORS OF IF YOU ARE NOT SUBJECT TO THE DISCLOSURE REQUIREMENTS (SEE INSTRUCTIONS).

FIRST-TIER SUBCONTRACTORS

Firm Name	Dollar Amount
Category of Work	

Firm Name	Dollar Amount
Category of Work	

Firm Name	Dollar Amount
Category of Work	

Firm Name	Dollar Amount
Category of Work	

Firm Name	Dollar Amount
Category of Work	

SECTION VI. PAYMENT BOND FORM

PAYMENT BOND FORM

Bond No. _____

Solicitation _____

Project Name Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs

_____ (Surety #1) Bond Amount No. 1: \$ _____
_____ (Surety #2)* Bond Amount No. 2:* \$ _____

- *If using multiple sureties*

Total Penal Sum of Bond \$ _____

We, _____, as Principal, and the above identified Surety(ies), authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto the Port of Hood River the sum to (Total Penal Sum of Bond)

_____ (Provided, that we the Sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such surety), and

WHEREAS, the Principal has entered into a contract with the Port of Hood River, the plans, specifications, terms and conditions of which are contained in above-referenced Solicitation;

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Payment Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and schedule of contract prices which are set forth in the Contract and any attachments, and all authorized modifications of the Contract which increase the amount of the work, or the cost of the Contract, or constitute authorized extensions of time for performance of the Contract, notice of any such modifications hereby being waived by the Surety;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless the Port of Hood River and members thereof, its officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Contractor or its subcontractors, and shall promptly pay all persons supplying labor, materials or both to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors pursuant to ORS 316.167, and shall permit no lien nor claim to be filed or prosecuted against the Port of Hood River on account of any labor or materials furnished; and shall do all things required of the Principal by the laws of this State, then this obligation shall be void; otherwise, it shall remain in full force and effect.

Nonpayment of the bond premium will not invalidate this bond nor shall the Port of Hood River be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part thereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED
BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

Dated this _____ day of _____, 20_____.

PRINCIPAL: _____

By: _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Name

Signature

Address

City State Zip

Phone Fax

SECTION VII. PERFORMANCE BOND FORM

PERFORMANCE BOND FORM

Bond No. _____

Solicitation _____

Project Name Hood River Interstate Bridge Miscellaneous Truss and Steel Repairs

_____ (Surety #1) Bond Amount No. 1: \$ _____

_____ (Surety #2)* Bond Amount No. 2:* \$ _____

- *If using multiple sureties*

Total Penal Sum of Bond \$ _____

We, _____, as Principal, and the above identified Surety(ies), authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto the Port of Hood River the sum of (Total Penal Sum of Bond)

_____ (Provided, that we the Sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such surety), and

WHEREAS, the Principal has entered into a contract with the Port of Hood River, the plans, specifications, terms and conditions of which are contained in above-referenced Solicitation;

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Performance Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which increase the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance, notice of any such modifications hereby being waived by the Surety;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things undertaken by Contractor to be performed under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless the Port of Hood River and members thereof, its officers, employees and agents, against any direct or indirect damages or claim of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Principal or its subcontractors, and shall in all respects perform said Contract according to law, then this obligation is to be void; otherwise it shall remain in full force and effect.

Nonpayment of the bond premium will not invalidate this bond nor shall the Port of Hood River be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part thereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

Dated this _____ day of _____, 20_____.

PRINCIPAL: _____

By: _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Name

Signature

Address

City State Zip

Phone Fax

SECTION VIII. CERTIFICATE OF INSURANCE FORM

CERTIFICATE OF INSURANCE FORM

This is to certify to: Port of Hood River, 1000 E. Port Marina Drive, Hood River OR 97031
That the following described policy or policies have been issued to:

Name and Address of Insured

Name and Address of Insurance Company

Description of Contract _____

Types of Coverages		Limits of Liability	Policy Number	Expiration Date
1. Workers Compensation		Statutory		
2. Employer's Liability		\$		
3. Comprehensive General Liability		Bodily Injury		Property Damage
	A. Premises & Operations	\$		\$
	B. Blanket Contractual	\$		\$
	C. Independent Sub-Contractors	\$		\$
	D. Products Liability & Completed Operations	\$		\$
4. Comprehensive Automobile Liability (owner, hired, & non-owned)				
5. Other-Builders Risk				

Expires 12:01 Standard Time at the address of name insurance stated herein.

Commercial overage shall not have an exclusion for work over navigable waters.

*Indicate the following property liability features:

Yes No

- | | | |
|--|-----|-----|
| 1. "Broadform" including occurrence and care, custody and control. | ___ | ___ |
| 2. Explosion, collapse and underground damage exclusions. | ___ | ___ |

The insurer agrees that it will notify in writing, _____ of any material change, expiration or cancellation of the above-described policies not less than thirty (30) days before such change, expiration or cancellation becomes effective. It is further agreed the above named owner, his officers, agent (including his engineer) and employees are included as additional named insureds, but only as respects the performance of the above-described contract.

Name of Insurance Company

Authorized Representative

SECTION IX. PORT OF HOOD RIVER PUBLIC IMPROVEMENT CONTRACT

**PORT OF HOOD RIVER
PUBLIC IMPROVEMENT CONTRACT**

This Contract entered into between the PORT OF HOOD RIVER, an Oregon municipal corporation, ("PORT" or "AGENCY") and _____ ("CONTRACTOR"), shall become effective when this Contract has been signed by both parties and the Port has issued to CONTRACTOR a Notice to Proceed with the Work.

WITNESSETH:

WHEREAS, CONTRACTOR, having examined the Work site and become familiar and satisfied with conditions, has submitted an acceptable bid to perform the work prescribed in these contract documents on the Hood River Interstate Bridge ("Work"); and,

WHEREAS, the parties hereto desire that this Contract be undertaken and completed on the terms and conditions as hereafter set forth;

THEREFORE, IT IS AGREED AS FOLLOWS:

Terms of Performance

CONTRACTOR agrees to perform the described Work and provide all machinery, tools, apparatus, materials, equipment, labor and other means of construction necessary to complete the Work at the designated location in accordance with all terms specified in the Contract Documents, which by this reference are incorporated herein, including the following:

- A) Invitation to Bid
- B) Project Information (Section I)
- C) Bid Form (Section II)
- D) Pricing Submittal Form (Section III)
- E) Bid Bond Form (Section IV)
- F) First-Tier Subcontractor Disclosure Form (Section V)
- G) Payment Bond Form (Section VI)
- H) Performance Bond Form (Section VII)
- I) Certificate of Insurance Form (Section VIII)
- J) Port of Hood River Public Improvement Contract (Section IX)
- K) The sections of the Oregon Standard Specifications for Construction and Supplemental Oregon Standard Specifications for Construction, as identified and amended in this bid booklet (Section X)
- L) Bid Schedule (Section XI)
- M) Drawings prepared for/or issued by PORT
- N) Notice of Intent to Award
- O) Notice to Proceed
- P) Payment verification of Prevailing Wages Rates
- Q) All affidavits and certifications submitted by CONTRACTOR as part of CONTRACTOR's Bid Documents, which affidavits and certifications CONTRACTOR agrees will remain effective throughout the term of this Contract.

Contract Price:

Subject to the provisions of all Contract Documents and in consideration of the faithful performance of the terms and conditions thereof by the CONTRACTOR, PORT agrees to pay CONTRACTOR **in an amount not to exceed** _____, in the manner and at the times provided in the Contract Documents. The Contract price is for completing the Base Bid Work plus agreed to Alternatives.

Contract Duration:

Project Start will be at issuance of Notice to Proceed. Substantial work on the bridge shall not begin prior to receiving approval of Coast Guard and shop drawing submittals.

Final Completion: 90 working days from Project Start.

Liquidated damages

If the CONTRACTOR fails to complete the Work within the time specified or within any extension of time agreed to by both parties in writing, CONTRACTOR shall pay liquidated damages of **\$1500.00**, for each day of delay beyond the completion day identified above.

Representatives

Unless otherwise specified in the Contract Documents, the Port designates Michael McElwee, as its Authorized Representative in the administration of this Contract. The above-named individual shall be the initial point of contact for matters relating to performance, payment, authorization, and to carry out the responsibilities of the Port. Contractor has named _____ its Authorized Representative to act on its behalf.

Integration

The Contract Documents and this Contract constitute the entire agreement between the parties. No waiver, consent, modification or change of terms of this Contract shall bind either party unless in writing and signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no other understandings, agreements, or representations, oral or written, not specified herein regarding this Contract. Contractor, by the signature below of its authorized representative, hereby acknowledges that it has read this Contract, understands it, and agrees to be bound by its terms and conditions.

IN WITNESS WHEREOF the parties have executed this Contract on _____, 2019.

CONTRACTOR

PORT OF HOOD RIVER

By _____ By Michael S. McElwee

Its _____ Its Executive Director

SECTION X. SPECIAL PROVISIONS

On the attached or inserted sheets which follow is given a description of the work to be performed under this Contract, together with required provisions, supplemental standard specifications, special provisions and instructions which supplement and modify the published "Oregon Standard Specifications for Construction" book and published "Supplemental Oregon Standard Specifications for Construction" book (if any) making them applicable to the particular work to be done.

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BID SCHEDULE

PORT OF HOOD RIVER

SPECIAL PROVISIONS

FOR

Hood River Interstate Bridge
Miscellaneous Truss and Steel Repairs
Hood River – White Salmon Hwy.
Hood River, OR. and Klickitat, WA. Counties


OREGON DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

FOR

Hood River Interstate Bridge
Miscellaneous Truss and Steel Repairs
Bridge #06645
Hood River – White Salmon Hwy.
Hood River, OR. and Klickitat, WA. Counties

PROFESSIONAL OF RECORD CERTIFICATION(s):

<p>Seal w/signature</p>  <p>EXPIRES: 12/31/2020</p>	<p>I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for Bridge 06645 (Hood River). Modified Special Provisions were prepared by me or under my supervision.</p> <p>Section <u>00210, 00220, 00225, 00253, 00290, 00296, 00560, 00594, 02530, 02560</u></p>

SPECIAL PROVISIONS

WORK TO BE DONE

The Work to be done under this Contract consists of the following on the Hood River Interstate Bridge in Hood River County, Oregon and Klickitat County, Washington

1. Portal frame repairs.
2. Bridge rail post replacement.
3. Hand rail pipe replacement.
4. Rocker bearing modifications.
5. Stringer connection modifications.
6. Floorbeam knee brace repairs.
7. Bottom chord splice repair.
8. Perform additional and incidental Work as called for by the Specifications and Plans.

APPLICABLE SPECIFICATIONS

The Specifications that are applicable to the Work on this Project is the 2018 edition of the "Oregon Standard Specifications for Construction".

All number references in these Special Provisions shall be understood to refer to the Sections and subsections of the Standard Specifications bearing like numbers and to Sections and subsections contained in these Special Provisions in their entirety.

CLASS OF PROJECT

This is a Port of Hood River Project.

SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND DEFINITIONS

Comply with Section 00110 of the Standard Specifications modified as follows:

00110.05(a) Grammar - Add the following bullet to the bullet list:

- For the purposes of this Contract, the terms "sidewalk ramp" and "sidewalk ramps" shall respectively refer to and shall be read to mean "curb ramp" and "curb ramps".

00110.05(e) Reference to Websites - Add the following bullet list to the end of this subsection:

- American Traffic Safety Services Association (ATSSA)
www.atssa.com
- BidExpress
www.bidx.com
- ODOT Construction Section
www.oregon.gov/odot/construction/pages/index.aspx
- ODOT Construction Section - Qualified Products List (QPL)
www.oregon.gov/ODOT/Construction/Pages/Qualified-Products.aspx
- ODOT Electronic Bidding Information Distribution System (eBids)
(Also referred to as ODOT eBids website)
ecm.odot.state.or.us/cf/EBIDS/
- ODOT Estimating
www.oregon.gov/ODOT/Business/Pages/Steel.aspx
- Oregon Legislative Counsel
www.oregonlegislature.gov/lc
- ODOT Procurement Office - Conflict of Interest Guidelines and Disclosure Forms
www.oregon.gov/ODOT/Business/Procurement/Pages/PSK.aspx
- ODOT Procurement Office - Construction Contracts Unit Notice of Intent
www.oregon.gov/ODOT/Business/Procurement/Pages/NOI.aspx
- ODOT Procurement Office - Construction Contracts Unit prequalification forms
www.oregon.gov/odot/business/procurement/pages/bid_award.aspx

- Oregon Secretary of State: State Archives
sos.oregon.gov/archives/Pages/default.aspx
- ODOT Traffic Control Plans Unit
www.oregon.gov/ODOT/Engineering/Pages/Work-Zone.aspx
- ODOT Traffic Standards
www.oregon.gov/ODOT/Engineering/Pages/Signals.aspx

00110.20 Definitions – Replace the sentence that begins “**Surfacing** – The Course or Courses...” with the following sentence:

Surfacing – The Course or Courses of material on the Traveled Way, auxiliary lanes, Shoulder, or parking areas for pedestrian, bicycle or vehicle use.

SECTION 00120 - BIDDING REQUIREMENTS AND PROCEDURES

Comply with Section 00120 of the Standard Specifications modified as follows:

00120.00 Prequalification of Bidders – Add the following paragraph to this subsection:

Contractors shall be prequalified by ODOT for Bridges and Structures.

This Contract is governed by Oregon Law. Specific laws and rules that govern the solicitation process are found in Chapters 279A and 279C of the Oregon Revised Statutes, and Chapter 137, Divisions 046 and 049 of the Administrative Rules of the Oregon Department of Justice (Model Public Contracting Rules). The Contract may be subject to other laws and rules. Bidders should obtain and become acquainted with the applicable provisions of the above laws and rules.

The Contractor and subcontractors shall comply with all the provisions of 279C.800 through 279C.870, relative to Prevailing Wages Rates. The current Prevailing Wage Rates for Public Works Contract in Oregon are incorporated into these documents by reference. A copy of these documents can be found at:

http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx. The work takes place in the Counties of Hood River, Oregon and Klickitat, Washington.

00120.05 Request for Plans, Special Provisions, and Bid Booklets - Replace this subsection with the following:

A complete solicitation document may be examined or obtained during normal business hours at the Port Office, 1000 E. Port Marina Drive, Hood River, Oregon after 4:00 P.M. on February 20th, 2019 until 2:00 P.M. on March 19th, 2019. Copies may also be requested by calling the Port Office (541)-386-1645 or by email request to porthr@gorge.net. The documents will also be available on our website at: <https://portofhoodriver.com/>. Requests

through the Port office will be added to the Plan Holders List. Any plans that are downloaded will need to call the Port Office to be included on the Plan Holders List. The Plans, which are applicable to the Work to be performed under the Contract, bear title and date as follows:

"Hood River Interstate Bridge
Miscellaneous Truss and Steel Repairs
Hood River – White Salmon Hwy.
Hood River, OR and Klickitat, WA Counties
February 2019"

00120.10 Bid Booklet - In the paragraph that begins "The Bid Section includes all pages after...", add the following bullet to the bullet list:

- Certificate of nondiscrimination regarding ORS 279A.110 and certificate regarding policy and practice against sexual harassment, sexual assault and discrimination against employees who are members of a protected class as required by ORS 279A.112 (House Bill 3060, 2017)

00120.15 Examination of Work Site and Solicitation Documents; Consideration of Conditions to be Encountered - Add the following to the end of this subsection:

The Agency will hold a prebid meeting for all holders of Solicitation Documents at the Port of Hood River, located at 1000 East Port Marina Dr. in Hood River, Oregon at 10:00 a.m. on February 26, 2019.

All prospective Bidders must attend this meeting. Those not attending will have their Bids declared non-responsive.

Prospective Bidders will be given the opportunity to ask questions relating to any details involved in the performance of the work under the Contract.

Information distributed, statements made or responses given to questions, by the Agency's representatives at the prebid meeting will not in any way alter or affect any of the provisions contained in the Solicitation Documents or Contract requirements and will not be binding upon the Agency unless confirmed by Addenda.

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids - Replace this subsection with the following:

Addenda may be downloaded from the Agency's website. Bidders shall be responsible for checking the Agency website for Addenda. Bidders should check the website weekly until the week of Bid Closing and daily the week of Bid Closing.

00120.45 Submittal of Bids – Replace this subsection with the following:

Sealed Bids must be received in the Port office, 1000 E. Port Marina Drive, Hood River, OR 97031.

All Bids must be sealed and received prior to the bid closing time and date. All Bids shall be prepared in ink or by computer, but must be signed in ink by an authorized representative of the Bidder. Facsimile Bids will not be accepted.

All Bid documents requiring signature must be signed in ink by an authorized representative.

Bids must be submitted in a sealed package or envelope. To insure proper identification and handling, all packages and envelopes shall be clearly marked as follows:

ITB Name and Number
Closing Date & Time
Port of Hood River
Attn: Michael McElwee
1000 E Port Marina Drive
Hood River, OR 97031

00120.60 Revisions or Withdrawals of Bids - Replace this subsection with the following:

Bids may be changed in writing submitted on the Bidder's letterhead, signed by an authorized representative, and received by the Agency prior to closing. Offer changes submitted in writing must be labeled as such and contain the Project Name and Number.

Bids may be withdrawn in writing submitted on the Bidder's letterhead, signed by an authorized representative, and received by the Agency prior to closing. Offer withdrawals submitted in writing must be labeled as such and contain the Project Name and Number.

Bids may be withdrawn in person before Closing upon presentation of appropriate identification and evidence of authorization to act for Bidder. Signature confirmation of withdrawals may also be required.

00120.65 Opening and Comparing Bids – Replace this subsection with the following:

Bids will be received until 2:00 p.m. March 19th, 2019 where they will be immediately opened publicly and read aloud. Bidders and other interested parties are invited to be present. Award decisions will not be made at Bid opening.

Bids for each Project will be compared on the basis of the total amount of each Bid. The total amount of the Bid will be the sum computed from the quantities listed in the Bid Schedule and the prices entered by the Bidder.

In the case of conflict between the unit price and the corresponding extended amount, the unit price shall govern, and the Agency may make arithmetic corrections on extension amounts.

SECTION 00130 - AWARD AND EXECUTION OF CONTRACT

Comply with Section 00130 of the Standard Specifications modified as follows:

00130.15 Right to Protest – Replace this subsection with the following:

Adversely-affected or aggrieved Bidders, limited to the three apparent lowest Bidders and any other Bidder directly in line for Contract Award, may submit to the Agency a written protest of the Agency's intent to Award within 7 calendar days from the date of the Intent-to-Award Announcement. Protests must specify the grounds upon which the protest is based. The Agency will not consider late protests.

The Agency will respond in writing to Intent to Award protests submitted timely by adversely affected or aggrieved Bidders. The Agency may also respond to Intent to Award protests submitted by other Bidders for the purpose of clarification.

00130.50(a) By the Bidder - In the paragraph that begins "The successful Bidder...", replace the words "ODOT Procurement Office - Construction" with the words "Agency".

SECTION 00140 - SCOPE OF WORK

Comply with Section 00140 of the Standard Specifications.

SECTION 00150 - CONTROL OF WORK

Comply with Section 00150 of the Standard Specifications modified as follows:

00150.50(e) Notification - Add the following to the end of this subsection:

This Project is located within the Oregon and Washington Utility Notification Center areas which are Utilities notification systems for notifying owners of Utilities about Work being performed in the vicinity of their facilities. The Utilities notification system telephone number is 811 (or use the Washington number which is 1-800-424-5555 and the old Oregon number which is 1-800-332-2344).

Add the following subsection:

00150.50(f) Utility Information (No Anticipated Relocations) - There are no anticipated conflicts with the Utilities listed below. If any conflicts with the work and the utilities on the bridge, Contractor shall notify the PORT and the Utility of the conflict.

Utility	Contact Person's Name and Phone Number
CenturyLink	Scott Crosswhite 360-953-4983 Joey Shelton 503-568-3406
Pacific Power	Contact: 1-888-221-7070

Klickitat PUD	Contact: 1-800-548-8358

00150.60(a) Load and Speed Restrictions for Construction Vehicles and Equipment -
Add the following bullet to the end of the bullet list:

- The Contractor shall restrict the combined weights of construction vehicles, Equipment, and Materials on Bridges according to 00220.45.

SECTION 00160 - SOURCE OF MATERIALS

Comply with Section 00160 of the Standard Specifications.

SECTION 00165 - QUALITY OF MATERIALS

Comply with Section 00165 of the Standard Specifications.

SECTION 00170 - LEGAL RELATIONS AND RESPONSIBILITIES

Comply with Section 00170 of the Standard Specifications modified as follows:

00170.05 Assignment of Antitrust Rights - Replace the bullet that reads "ORS 646.725; and" with the following bullet:

- ORS 646.725; or

00170.07 Record Requirements - In the paragraph that begins "For purposes of this Subsection, the term...", replace the words "OAR 731-005-0780" with the words "OAR 734-010-0400".

00170.07(a) Records Required - In the paragraph that begins "These records shall include...", replace the bullet that begins "Contracts or documents of other...", with the following bullet:

- Contracts or documents of other arrangements with any Related Entity as defined in OAR 734-010-0400.

In the paragraph that begins "The Contractor shall include...", replace the words "OAR 731-005-0780" with the words "OAR 734-010-0400".

00170.07(b) Access to Records - In the paragraph that begins "The Contractor shall provide...", replace the words "OAR 731-005-0780(9)" with the words "OAR 734-010-0400(9)".

00170.62 Labor Nondiscrimination - Add the following sentence to the end of this subsection:

It is a material term of this Contract that the Contractor certifies by entering into this Contract that the Contractor has a written policy and practice that meets the requirements described in ORS 279A.112 (House Bill 3060, 2017) for preventing sexual harassment, sexual assault and discrimination against employees who are members of a protected class and that the Contractor shall maintain the policy and practice in force during the entire term of this Contract.

00170.70(a) Insurance Coverages - Add the following to the end of this subsection:

The following insurance coverages and dollar amounts are required pursuant to this subsection:

Insurance Coverages	Combined Single Limit per Occurrence	Annual Aggregate Limit
Commercial General Liability	\$1,000,000__	\$1,000,000
Commercial Automobile Liability	\$1,000,000	(aggregate limit not required)
Pollution Liability	\$100,000	\$100,000_

- With Lead Liability Endorsement or separate coverage

Commercial Automobile Liability with Pollution Coverage	\$1,000,000	(aggregate limit not required)
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00170.70(c) Additional Insured - Add the following paragraph and bullets to the end of this subsection:

Add the following as Additional Insureds under the Contract:

- The Port of Hood River and its officers, agents, and employees
- HDR Inc.

00170.70(g) Builders' Risk - Add the following to the end of this subsection:

Provide Builders' Risk insurance for an amount equal to at least \$50,000. The policy shall include as loss payee, the Agency.

Add the following subsection:

00170.70(h) Jones Act - The contractor must be aware of the requirements of this act and have the necessary maritime insurance in place.

00170.71 Independent Contractor Status - Replace this subsection, except for the subsection number and title, with the following:

The service or services to be rendered and the Work to be completed under this Contract are those of an independent contractor. The Contractor is not an officer, employee, or agent of the Agency or the State as those terms are used in ORS 30.265.

00170.72 Indemnity/Hold Harmless - Add the following paragraph and bullet to the end of this subsection:

Extend indemnity, defense and hold harmless to the Agency and the following:

- HDR Inc.

SECTION 00180 - PROSECUTION AND PROGRESS

Comply with Section 00180 of the Standard Specifications modified as follows:

00180.05 Assignment/Delegation of Contract – Replace this subsection, except for the subsection number and title, with the following:

Unless the Agency gives prior written consent, which will not be unreasonably withheld, the Contractor shall not assign, delegate, sell, or otherwise transfer or dispose of any rights or obligations under the Contract, whether voluntarily or involuntarily, and whether by merger, consolidation, dissolution, operation of law, or any other manner, including, without limitation:

- The power to execute or duty to perform the Contract; or
- Any of its right, title or interest in the Contract.

Any purported or attempted assignment, delegation, sale, transfer or disposition without prior Agency consent shall be voidable.

If written Agency consent is given to assign, delegate, sell, or otherwise transfer or dispose of any rights or obligations under the Contract, such consent shall not relieve the Contractor or its Surety of any part of their duties, obligations, responsibilities, or liabilities under or pursuant to the Contract.

00180.06 Assignment of Funds Due under the Contract – Replace this subsection, except for the subsection number and title, with the following:

Assignment of funds due or to become due under the Contract to the Contractor will not be permitted unless:

- The assignment request is made on the form provided by the Agency;
- The Contractor secures the written consent of the Contractor's Surety to the assignment; and
- The Engineer gives prior written consent to the assignment, which will not be unreasonably withheld.

Add the following subsection:

00180.40(c) Specific Limitations - Limitations of operations specified in these Special Provisions include, but are not limited to, the following:

Limitations	Subsection
Contract Time	00180.50(h)
Closed Lanes	00220.40(e)(1)
Limited Duration Road Closure	00220.40(f)

Contractor's operations shall not limit the Port's ability to operate the lift span at any time needed. If a bridge lift is required, Contractor shall halt all work during the lift operation.

Obtain Coast Guard approval of U.S. Coast Guard Bridge Work Plan in advance of performing work. Include the following in the submittal:

- Provide company/organization name and point of contact with phone number and email address.
- State type of project (i.e., bridge repair).
- Provide drawings of the project and work access platform.
- List start and end dates.
- List days of the week and times of operation.
- Location of work in latitude and longitude. For this project it is Span 3 to Span 19; at 45-42-52.17N -121-29-56.02W to 45-43-20.71N -121-29-25.76W.
- List construction vessels and equipment in the waterway, if any, and direct contact information such as VHF frequencies, cell phone, etc. State whether they will be moored or anchored, what obstructions to the channel, and their lighting plans.
- Provide point of contact available for mariners at all times during construction.
- List construction hazards to mariners in detail, if any.
- List any special contractor requirements or requests, if any.
- List vertical clearance reductions, if any. If the work access platform extends below the existing bridge soffit, provide a dimension. If vertical clearance is impacted by structures or activity, limit the reduced clearance to no more than half the navigable channel at a time. If more than half the navigable channel is impacted, perform a navigation survey to show that all vessel traffic can transit under the bridge with the reduced clearance.
- Include details for cautionary lighting and signage for the work access platform, clearly visible to mariners.
- List dates and times of the construction stages.

Submit written request to:
Commander (dpw)
13th Coast Guard District
915 2nd Avenue, Room 3510
Seattle, WA 98174-1067
Attn: Bridge Administrator

Allow at least 30 days for Coast Guard review and approval. The Contractor shall be aware of and subject to schedule limitations in the Standard Specifications that are not listed in this subsection.

00180.41 Project Work Schedules - After the paragraph that begins "One of the following Type..." add the following paragraph:

In addition to the "look ahead" Project Work schedule, a Type A schedule as detailed in the Standard Specifications is required on this Contract.

Add the following subsection:

00180.50(h) Contract Time - Complete all Work to be done under the Contract in not less than 90 working days from Project Start.

00180.85 Failure to Complete on Time; Liquidated Damages - Replace this subsection, except for the subsection number and title, with the following:

(a) Time is of the Essence - Time is of the essence in the Contractor's performance of the Contract. It is essential and in the public interest that the Contractor prosecute the Work vigorously to Contract completion and within Contract Time or adjusted Contract Time.

The Agency does not waive any rights under the Contract by permitting the Contractor to continue to perform the Contract, or any part of it, after the Contract Time or adjusted Contract Time has expired.

(b) Liquidated Damages - Delays in the Contractor's performance of the Work will cause the Agency to sustain damages; increase risk to, inconvenience, and interfere with the traveling public and commerce; and increase costs to taxpayers. Because the Agency finds it is unduly burdensome and difficult to demonstrate the exact dollar value of such damages, the Contractor agrees to pay to the Agency, not as a penalty but as liquidated damages, the amount(s) specified in the Contract (Section IX) for each Working Day the Work remains incomplete after the expiration of the Contract Time or adjusted Contract Time applicable to that Work. The liquidated damages shall constitute payment in full only of damages incurred by the Agency due to the Contractor's failure to complete the Work on time.

Payment by the Contractor of liquidated damages does not release the Contractor from its obligation to fully and timely perform the Contract according to its terms. Nor does acceptance of liquidated damages by the Agency constitute a waiver of the Agency's right to collect any additional damages it may sustain by reason of the Contractor's failure to fully perform the Contract according to its terms.

If the Contract is terminated according to 00180.90(a), and if the Work has not been completed by other means on or before the expiration of Contract Time or adjusted Contract Time, liquidated damages will be assessed against the Contractor for the duration of time reasonably required to complete the Work.

SECTION 00190 - MEASUREMENT OF PAY QUANTITIES

Comply with Section 00190 of the Standard Specifications.

SECTION 00195 - PAYMENT

Comply with Section 00195 of the Standard Specifications modified as follows:

00195.12(d) Steel Materials Pay Item Selection - Add the following paragraph to the end of this subsection:

No Pay Items under this Contract qualify for the steel escalation/de-escalation program for this Project.

SECTION 00196 - PAYMENT FOR EXTRA WORK

Comply with Section 00196 of the Standard Specifications.

SECTION 00197 - PAYMENT FOR FORCE ACCOUNT WORK

Comply with Section 00197 of the Standard Specifications.

SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS

Comply with Section 00199 of the Standard Specifications.

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the Standard Specifications.

SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the Standard Specifications modified as follows:

00220.02(a) General Requirements - Add the following bullets to the end of the bullet list:

- Use portable changeable message signs to provide appropriate work zone information to the public. Place signs and display messages as directed or approved. Place signs in the following approximate locations, 100 feet from the intersection:
 - Button Bridge Road at Marina Drive Intersection, center of travelway.
 - Hood River Bridge approach at SR 14 Washington, center of travelway (behind crosswalk).

Place two eight-foot Type III barricades across travelway behind PCMS signs.

Display pre-approved messages during construction activity requiring a PCMS use. When signs are in use, protect them according to 00225.46(b)

Suggested message panel 1

BRIDGE
CLOSED
9 PM - 5 AM

Suggested message panel 2

- Construction vehicles leaving the traffic stream and entering the work area shall slow gradually to warn following traffic and provide an opportunity to slow.
- Construction equipment entering or leaving the work area shall yield to public traffic at all times, unless being controlled by flagging.
- When construction equipment is operating in the closed lane, protect traffic using a truck mounted impact attenuator (TMA). Place the TMA in the closed lane in advance of the equipment, located as recommended by the manufacturer and approved by the Engineer. If the TMA is not available when the work requires its use, postpone the work until the TMA is available.

00220.40(e)(1) Closed Lanes - Replace this subsection, except for the subsection number and title, with the following:

Do not close any traffic lanes and remove all barricades and objects from the roadway during the following periods:

- Weekdays: Between 6:00 a.m. and 7:30 a.m. and between 4:30 p.m. and 6:00 p.m. Monday through Friday
- Weekends: Between 3:00 p.m. on Friday and 9:30 p.m. on Sunday.

A maximum of six (6) single lane closures for up to one hour will be allowed during the project.

Add the following subsection:

00220.40(f) Limited Duration Road Closure -

Intermittent bridge closures will be allowed for the duration of this project. Intermittent closures shall not exceed 20 minutes between 7:30 a.m. and 4:30 p.m., Monday through Thursday, and between 7:30 a.m. and 3:00 p.m. Friday. Succeeding roadway closures will not be permitted until traffic clears from preceding closures.

Subject to the above listed restrictions, full bridge closures will be permitted between 9:00 p.m. and 5:00 a.m., Sunday through Thursday. A maximum of twenty (20) bridge closures will be allowed during the project. Full bridge closures must be approved by the Agency. A minimum of 14 calendar day's written notice must be provided prior to the full bridge closures.

Succeeding roadway closures will not be allowed until traffic clears from a preceding closure.

The Contractor shall provide an onsite safety contact in writing to the Port of Hood River. This letter shall include the safety contact name and specific contact information for this person. This person shall be available by phone during all hours of the bridge closures to coordinate emergency crossings. This information will be distributed to 911 center, area dispatch, emergency personnel or a public emergency relayed through the Port Emergency phone. The Contractor shall open barricades for emergency crossings and shall provide safe passage through the construction zone on the bridge for these emergency vehicles.

The Contractor shall always be able to clear a single lane of traffic for emergency vehicles within 10 minutes of receiving an emergency call. The Contractor shall include (10) ten of these types of disruptions in the contract at no additional cost to the Port of Hood River.

This designated safety contact and number can only be changed with a 72 hour written notice to the Port of Hood River project manager.

Add the following subsection:

00220.45 Load Restrictions on Bridges - Limit the combined weight of construction vehicles, equipment, and daily material usage to 28,500 pounds for every 1,000 square feet of surface area plus the weight of long term storage of materials to 2,000 pounds for every 100 square feet of surface area of the bridge or a total of 102,000 pounds for each span of the bridge, whichever is less.

The Contractor may request alternate loadings by submitting, 30 Calendar Days before proposed loadings, stamped loading calculations and data according to 00150.35.

SECTION 00225 - WORK ZONE TRAFFIC CONTROL

Comply with Section 00225 of the Standard Specifications modified as follows:

00225.02 General Requirements - In the paragraph that begins "Work may be suspended...", replace the sentence that begins "Costs for work performed..." with the following sentence:

Costs for work performed by the Agency may be deducted from monies due the Contractor.

Add the following to the end of this subsection:

Provide and maintain a minimum of 9.5 foot clear and unobstructed width in the travel lane.

00225.05 Contractor Traffic Control Plan – Replace this subsection, except for the subsection number and title, with the following:

Submit Contractor TCP, for approval, at least five calendar days before the preconstruction conference. The Contractor TCP shall include at a minimum:

- TCM and TCD consistent with Oregon Standard Drawing TM870 for bridge construction using flaggers with the exceptions that sign size will meet the requirements of the MUTCD for Conventional Road, truck mounted attenuators will be used in place of concrete barrier with attenuators, and 30 feet minimum between the under construction area and the truck mounted attenuator.
- TCM and TCD needed for temporary bridge closures including TCM and TCD to be provided by the PORT.
- Details of TCD installation and mounting.

All traffic control plans are subject to ODOT and WSDOT approval.

00225.14(a) Flagger Station Lighting - Add the following bullet to the end of the bullet list:

- In addition to the products listed on the QPL, tripod mounted or cart mounted flagger station lights that were purchased on or before January 1, 2014 and that were on the QPL before January 1, 2014 may also be used. Provide proof of the original purchase date to the Engineer.

00225.16(b) Portable Changeable Message Signs - Add the following paragraph to the end of this subsection:

For PCMS mounted on rollers, use 2-line PCMS from the QPL.

SECTION 00253 - TEMPORARY WORK ACCESS AND CONTAINMENT

Comply with Section 00253 of the Standard Specifications modified as follows:

00253.00 Scope - Add the following paragraphs to the end of this subsection:

On Structure No. 06645 (Hood River Bridge), provide temporary work access and containment systems for all work on spans S3 through S19, as required.

Add the following subsection:

00253.02 Definitions:

Basic Wind Speed - Three-second gust speed at 33 feet above ground in open terrain with scattered obstructions not over 30 feet high.

Dead Load - Self-weight of a structure, such as a work platform, scaffolding, and containment.

Factor of Safety - Component ultimate failure load divided by the maximum working load combination applied to the component.

Fundamental Frequency - Lowest natural frequency of vibration for a structure, measured in Hz.

Live Load - The weight of personnel, equipment, materials, debris, and vehicles.

Point Load - A force applied to a structure at a single point.

Projected Area - The area of a structure exposed to the wind. For winds parallel to the roadway, the projected area of containment is the width of the containment multiplied by its height. For winds transverse to the roadway, projected area is the length of the containment multiplied by its height.

Span - A section of bridge superstructure between piers.

Wind Load - Forces imparted on a structure, such as a bridge or containment, by wind pressure and structural dynamic response to wind.

00253.03 Submittals - Add the following paragraph and bullets to the end of this subsection:

Submit the following:

- Stamped Working Drawings clearly defining dimensional limits and loading limits that satisfy the conditions listed in 00253.09 for exemption from design calculations for the bridge structural members. Identify the work platform, scaffolding, and containment system dead load (in pounds per square foot) in the loading note, and identify the maximum allowable accumulations of collected debris or water (inches depth) allowed in conjunction with the number of workers allowed and the concentrated loads (in pounds) of equipment and materials to be used within the structure. Identify the maximum wind speed at which containment wall materials remains on the structure.

- Stamped work platform and scaffolding Working Drawings, specifications and design calculations

00253.05 Containment Requirements Replace the paragraph that begins "Contain work debris that is generated from dry abrasive blasting..." with the following paragraph:

Contain work debris that is generated from dry abrasive blasting, and arc spray metallizing operations according to the Class 1A requirements of SSPC-Guide 6, with the following limits:

Replace the paragraph that begins "Contain work debris that is generated from hand tool or power tool..." with the following paragraph:

Contain work debris that is generated from hand tool or power tool operations according to the Class 1P requirements of SSPC-Guide 6. For hand tool cleaning or vacuum shrouded power tool cleaning, ground covers or free-hanging tarpaulins are an acceptable alternate means of containment provided the debris is captured and controlled to the same degree as Class 1P.

Add the following to the end of this subsection:

When field painting over a body of water with brushes, rollers, or daubers, contain paint drips with rigid containment floor decking or free-hanging tarpaulins, provided that the tarpaulins capture and control paint drips to the same degree as the Class 1P containment requirements of SSPC-Guide 6.

When field painting over a body of water with air spray (conventional) or airless spray, contain painting operations according to Class 1A requirements of SSPC-Guide 6.

Comply with the requirements of 00290.30.

Add the following subsection:

00253.09 Work Platform, Scaffolding and Containment Structural Design Requirements -

Design work platforms, scaffolding, and containment structures for dead load, live load, and wind load with a basic wind speed of 90 mph, applied in the most critical direction. For structures with fundamental frequency less than 1 Hz, design for wind loads accounting for structural dynamic effects.

Provide designs with a factor of safety of at least six for wire ropes and connecting hardware and at least four for all other components for containment structure and work platform components.

Verify structural adequacy of the bridge with added loading from containment structures and work platforms using AASHTO Standard Specifications for Highway Bridges, Group II, III, V, and VI load combinations.

For containment structures positioned symmetrically on any span, design calculations for the bridge structural members are not required if all of the following conditions are satisfied:

- Total combined live load and dead load of all work platforms and containment structures supported by the span, including all personnel, equipment, materials, and collected debris or water, does not exceed the provisions of 00220.45.

For containment structures positioned asymmetrically on any span, design calculations for the bridge structural members are not required if all of the following conditions are satisfied:

- Total combined live load and dead load of all work platforms and containment structures supported by the span, including all personnel, equipment, materials, and collected debris or water, does not exceed the provisions of 00220.45.

For movable containment structures, provide positive restraint to prevent movement except when containment structures are being relocated.

Add the following subsection:

00253.42 Safety Requirements - Replace the paragraph that begins “Follow approved procedures for evacuating...” with the following paragraph:

Follow approved procedures for evacuating and securing work platforms and containment systems if wind speeds or predicted wind speeds exceed design limits. For concrete removal and repair work, comply with all applicable requirements of OSHA Standard Number 1926.1153, Respirable Crystalline Silica, including Table 1.

Add the following subsection:

00253.44 Marine Traffic Restrictions -

Bridge No. 06645 (Hood River Bridge) may not be closed to marine traffic.

Add the following subsection:

00253.45 Navigation Lighting - Place flashing lights under the containment system on all four corners of each installation according to Federal regulations, marking the reduced navigational clearance. Maintain all navigation lights in operational condition at all times during the project and temporarily relocate them, if necessary, in order for them to remain visible to marine traffic.

Mark each work platform with flashing yellow lights along the outside edge at 100-foot intervals. Mark each work platform from the outer end near the navigation channel to the first set of pilings near the bank. Flashing yellow lights shall be visible to boat traffic from either side of the platform. Flashing yellow lights may be equivalent to flashing yellow lights on construction barricades.

Add the following subsection:

00253.46 Staging Area - When lane or shoulder closures are allowed, equipment, vehicles, and supplies may be placed in the closed traffic lane or shoulder on the bridge. Within a closed lane, one vehicle operating under D.O.T. overload permit will be allowed on each

bridge span and the combined effect of all loads in the closed lane will be limited to the provisions of 00220.45.

SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications modified as follows:

00290.10 Staging and Disposal Sites -

Add the following to the end of this subsection:

Use the following staging sites:

- **Site Type** - Staging
- **Location** - Port of Hood River Maintenance Yard
- **Access** - 1000 E. Port Marina Drive
- **Available Area** - Approximately 5000 SF yard

Maintain storage yard and building in tidy condition during use. Maintain yard access to Port Maintenance staff at all times. Coordinate with the Port of Hood River regarding specific needs.

Restore the site by:

- Restore facility to pre-existing conditions.

Should the Contractor elect to use another site, all environmental clearances from State, Federal, and Local agencies must be acquired, and the request submitted to the Project Manager for written approval.

00290.20 Hazardous Waste and Hazardous Substances – Revise this subsection as follows:

The work procedures and paint debris associated with the removal of coatings containing lead, chromium, or other toxic materials present a serious risk to the workers and other personnel associated with such projects. The State of Oregon and Contractors working on Oregon projects have the responsibility of ensuring that no job presents a risk to the health or well-being to anyone associated with work in Oregon or to anyone in the vicinity of such projects. To prevent possible health threatening exposure to lead or other toxic materials during the surface preparation and coating of structures plus other operations during the contract work, Contractors shall comply with all pertinent OSHA regulations.

Coating systems containing cadmium, chromium, copper, lead and zinc are present on painted surfaces of the bridge structure.

Based on the existence of lead-based paints and zinc chromate paints, Agency will require the following for bridge resurfacing work being performed on this project:

- All contractor personnel will be made aware of the potential for encountering leadbased paints and zinc chromate paints.
- All contractor personnel will be properly trained and certified to work at sites where exposure to lead, cadmium and chromium contamination is possible and/or where lead abatement procedures are being performed.
- Contractor will develop a site-specific lead compliance plan for lead-based paint exposures per special provision 0294.

00290.30(a) Pollution Control Measures - Add the following subsections and bullets:

(7) Water Quality:

- Do not discharge contaminated or sediment-laden water, including drilling fluids and waste, or water contained within a work area isolation, directly into any waters of the State or U.S. until it has been satisfactorily treated (for example: bioswale, filter, settlement pond, pumping to vegetated upland location, bio-bags, dirt-bags). Treatment shall meet the turbidity requirements below.
- Do not cause turbidity in waters of the State or U.S. greater than 10% above background reading (up to 100 feet upstream of the Project), as measured 100 feet downstream of the Project.
- During construction, monitor in-stream turbidity and inspect all erosion controls daily during the rainy season and weekly during the dry season, or more often as necessary, to ensure the erosion controls are working adequately meeting treatment requirements.
- If construction discharge water is released using an outfall or diffuser port, do not exceed velocities more than 4 feet per second, and do not exceed an aperture size of 1 inch.
- If monitoring or inspection shows that the erosion and sediment controls are ineffective, mobilize work crews immediately to make repairs, install replacements, or install additional controls as necessary.
- Underwater blasting is not allowed.
- Implement containment measures adequate to prevent pollutants or construction and demolition materials, such as waste spoils, fuel or petroleum products, concrete cured less than 24 hours, concrete cure water, silt, welding slag and grindings, concrete saw cutting by-products and sandblasting abrasives, from entering waters of the state or U.S.
- End-dumping of riprap within the waters of the state or U.S. is not allowed. Place riprap from above the bank line.
- Cease project operations under high flow conditions that may result in inundation of the project area, except for efforts to avoid or minimize resource damage.
- The Project Manager retains the authority to temporarily halt or modify the Project in case of excessive turbidity or damage to natural resources.

00290.34(a) Regulated Work Areas - Add the following to the end of this subsection:

The regulated work area is the area below the ordinary high water (OHW) elevation 86.70 feet NGVD.

- Perform no work within the regulated work area under the bridge or adjacent to the upland staging site.

00290.34(b) Prohibited Operations - Replace this subsection, except for the subsection number and title, with the following:

Except where allowed by the Contract or by permit, do not:

- Blast underwater.
- Use water jetting.
- Release petroleum products or chemicals in the water.
- Disturb spawning beds.
- Obstruct stream channels.
- Cause silting or sedimentation of waters of the State or waters of the U.S.
- Use treated timbers within the regulated work area.
- Impede adult and juvenile fish passage, including intermittent streams.

00290.42 Work Containment Plan - A Work Containment Plan (WCP) is required on this Project for all activities.

See 00180.40(c) Specific Limitations for Coast Guard approval requirements.

Develop and submit a WCP for approval at least 28 Calendar Days prior to mobilization for all activities. Maintain a copy of the WCP on the Project Site at all times during construction, readily available to employees and inspectors. Ensure that all employees comply with the provisions of the WCP. Design the WCP to avoid or minimize disturbance to protected features (sensitive cultural or natural resources, Regulated Work Areas, aquatic life or habitat in Regulated Work Areas) related to Contractor operations.

Before submitting the WCP for Coast Guard approval, meet with Agency to review the Contractor's Draft WCP to ensure that all parties understand the locations of protected features to be avoided and the measures needed to avoid and protect them.

Notify the Project Manager at least 10 Calendar Days before beginning work access or containment construction activities.

The Agency reserves the right to stop work and require the Contractor to change the WCP methods and equipment before any additional Contract work, at no additional cost to the Agency, if and when, in the opinion of the Agency, such methods jeopardize sensitive cultural or natural resources, Regulated Work Areas, or aquatic life or habitat in Regulated Work Areas.

The WCP shall identify how the Contractor's construction operations will protect regulated features during mobilization, construction, maintenance, and demolition. Include a narrative

describing compliance with Section 00290 as related to construction, operation, and demolition activities specified in Section 00253.

Design, construct, maintain, and remove temporary work access and containment systems according to Section 00253.

00290.90 Payment - Add the following paragraph(s) to the end of this subsection:

No separate or additional payment will be made for the work containment plan and the work containment system. The work performed under this Section will be paid for at the Contract lump sum amount for the item "Temporary Work Access and Containment" according to section 00253.

Payment will be payment in full for furnishing all materials, equipment, labor, and incidentals necessary to complete the work as specified. Payment includes providing and updating the Work Containment Plan.

SECTION 00296 - PAINT AND PAINTED MATERIALS

Section 00296, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00296.00 Scope - In addition to the requirements of Section 00290, remove lead, chromium, and cadmium based paints, and materials coated with lead, chromium, and cadmium based paints, according to these specifications.

Lead, chromium and cadmium based paints coat the metal on the steel members on the Hood River bridge. Assume that areas requiring paint removal contain lead, chromium, and cadmium and handle paint and painted materials accordingly during demolition.

00296.03 Submittals - Submit the following documents:

- A job specific written compliance program, according to 29 CFR 1926.62(e)(2), at least 10 Calendar Days before the pre-construction conference. When applicable, include compliance procedures for cadmium and chromium VI, according to 29 CFR 1926.1127 and 29 CFR 1926.1126.
- Modifications to the written compliance program within 7 Calendar Days of the modifications.
- Current employee training certificates and medical surveillance information before beginning work that disturbs paint containing lead, cadmium or chromium.
- Within 48 hours of completing or receiving them:
 - Disposal and recycling facility permits.
 - Transport manifests and bill-of-ladings.

- All reuse, recycling, and disposal receipts.
- All analytical test results.

00296.04 Documentation - Include paint and painted materials management and planned reuse, recycling, and disposal information in the pollution control plan. Obtain Engineer approval for the specific reuse, recycling, and disposal methods for all materials before beginning demolition work.

Complete, sign and pay all required fees for all required permits, manifests, and bill-of-lading forms for transport and disposal of the paint and painted materials.

Labor

00296.30 Personnel Qualifications - Provide employees trained in lead awareness, according to 29 CFR 1926.62(l), and also trained according to 29 CFR 1926.1126(j)(2) for chromium and 29 CFR 1926.1127(m)(4) for cadmium, during demolition of painted portions of the structures.

Construction

00296.40 Handling - Minimize employee exposure to the metals contained in the paint. Provide containment that prevents release of paint chips to the environment. Do not remove or separate paint from painted substrates, unless required to accomplish repair activities.

00296.43 Painted Metal Management - Reuse, recycle, or dispose of painted metal according to any of the following:

- **Reuse by Others** - Provide or sell painted non-structural scrap metal to the following:
 - Provide to Port of Hood River for use on other projects, if requested.
 - Provide or sell to other government Agencies.
 - Provide or sell to contractors for their reuse.

Obtain the recipients signature on the attached disclaimer form, acknowledging their awareness that the scrap metal contains lead, chromium, and cadmium based paint before giving them possession.

- **Recycle at Recycling Facility** - Transport the painted scrap metal along with the paint analytical results to a recycling facility. Obtain the recipients signature on the attached disclaimer form, acknowledging their awareness that the scrap metal contains lead, chromium and cadmium based paint.
- **Dispose of at Landfill** - Dispose of the painted scrap metal at a permitted municipal solid waste landfill or a permitted construction and demolition landfill.

00296.45 Non-Hazardous Waste Paint Management - When non-hazardous paint is separated from its substrate, contain all the paint waste and dispose of it at a permitted municipal solid waste landfill.

00296.46 Hazardous Waste Paint Management - When hazardous waste paint is separated from its substrate, store all the separated paint waste in labeled, sealed, watertight containers and handle the hazardous waste according to 00290.20(d).

Measurement

00296.80 Measurement - No measurement of quantities will be made for work performed under this Section.

Payment

00296.90 Payment - No separate or additional payment will be made for work performed under this Section. Payment will be included in payment made for the appropriate items under which this work is required.

Attachment A
Lead, Chromium, and Cadmium Based Paint Acknowledgement Form

[Contractor] _____
[Bridge Identification] _____
[Description of Scrap Metal] _____

_____ [Recipient] acknowledges that they are aware that metal and materials received from _____ [Contractor] on _____ [Date(s)] may contain lead, chromium, or cadmium based paint. Recipient further acknowledges that it is aware of the risk to human health and the environment posed by exposure to lead, chromium and cadmium based paint. All storage, use, sale, and disposal of materials containing lead, chromium or cadmium based paint and any removal of lead, chromium, or cadmium based paint from the materials by Recipient will be conducted in compliance with all applicable Federal and State statutes and regulations, including but not limited to 40 CFR 262 through 265 and OAR Chapter 340, Divisions 100 through 106. Recipient acknowledges that they are solely responsible for any liability or damages resulting from the storage, use, sale, and disposal of the materials and removal of lead, chromium or cadmium based paint by Recipient and Recipient will indemnify and hold harmless the Contractor and the Oregon Department of Transportation from any such claims of liability or damages.

_____ [Signature]
_____ [Title]
_____ [Date]

SECTION 00560 - STRUCTURAL STEEL BRIDGES

Comply with Section 00560 of the Standard Specifications modified as follows:

00560.00 Scope - Add the following:

Work is limited to the installation and removal of portal frame members, bridge rail post members, hand rail pipe replacement, rocker bearing modifications, stringer connections, floorbeam repairs, and replacement of rivets with high strength fasteners as shown in the contract plans.

The work includes removal of existing coating from rivets to be removed and existing member surfaces adjacent to removal limits, surface preparation work, and coating of the affected areas. The existing coatings may contain lead and chromates.

00560.29(a) General - In the paragraph that begins "When shown or specified, assemble...", replace the words "AASHTO M 164 (ASTM A325)" with the words "ASTM F3125, Grade A325 or Grade F1852".

00560.29(b) Washer Requirements - In the second and third bullets in the bullet list, replace the words "AASHTO M 164 (ASTM A325)" with the words "ASTM F3125, Grade A325 or Grade F1852".

00560.29(c)(2) Non-Coated Weathering Steel Members – Add the following paragraph to the end of this subsection:

Prior to final bolting, ensure all steel-to-steel contact surfaces have maintained the minimum requirements of SSPC-SP 6 "Commercial Blast Cleaning". The minimum appearance of the surface shall approximate Pictorial Standard Sa 2 of SSPC-VIS 1, Pictorial Surface Preparation Standards for Painting Steel Surfaces. Surfaces that do not meet the requirements of SSPC-SP 6 shall be hand tooled or re-blasted until the appearance of the blast-cleaned surface closely resembles Pictorial Standard Sa 2-1/2 of SSPC-VIS 1 as determined by the Engineer.

00560.29(d) Verification Testing, Installation, and Inspection - In the paragraph that begins "Verify correct lengths of all AASHTO...", replace the words "AASHTO M 164 (ASTM A325)" with the words "ASTM F3125, Grade A325 or Grade F1852".

00560.29(d)(3)(c) Inspection - In footnote 3 of Table 00560-3, replace the words "ASTM A325" with the words "ASTM F3125, Grade A325 or Grade F1852".

00560.30 Fabricators – delete this subsection in its entirety.

Add the following:

00560.47 Rivet Replacement - The rivets to be removed shall be removed using a pneumatic "rivet buster" with "mole" punch, or other approved method. Do not damage structural steel surfaces or bore of holes.

Before rivet removal, remove existing coating from rivet heads and 1/2" zone around rivet head by power tool cleaning in accordance with Section 00594.42(c). Should existing coating removal result in wholesale coating removal, do not remove additional coating beyond the 1/2" zone around the rivet head in order to search for sound coating. Hand sand the periphery and perform repairs on a best effort basis. Contain debris from coating removal operations by using vacuum shrouded power tools and tarps according to Sections 00290 and 00594.

When fasteners are removed, power tool clean surfaces and holes in accordance with SSPC-SP-15 (use metal wire deburring brushes or tube brushes as necessary) and apply a zinc-rich primer to the fastener hole, the area under the new fastener washer, and the 1/2" zone where the existing coating was removed prior to rivet removal. The zinc-rich primer shall be compatible with the coating system selected in accordance with Section 00594.

Replace fasteners that are removed with ASTM F3125, Grade A325 or Grade F1852 galvanized bolts with ASTM A563 Heavy Hex galvanized nuts and ASTM F436 Galvanized washers, installed in accordance with Section 00560.29. After installation of the new fasteners, prepare the new fasteners per 00594.42(d-1) and coat the new fasteners and 1/2" zone per 00594.43.

Use galvanized beveled plate washers matching the slope of channel flanges, or other members as needed, to square up bolted connections.

Add the following subsection:

00560.48 Weld Removal – Remove welds by grinding or cutting without causing damage or reduced section to the member to remain. Grind remaining weld metal to be flush with the remaining member.

Before weld removal, remove existing coating from welds and 1/2" zone around welds by power tool cleaning in accordance with Section 00594.42(c). Should existing coating removal result in wholesale coating removal, do not remove additional coating beyond the zone noted in plans in order to search for sound coating. Hand sand the limits and perform repairs on a best effort basis. Contain debris from coating removal operations by using vacuum shrouded power tools and tarps according to Sections 00290 and 00594.

Add the following subsection:

00560.49 Heat and Straightening – Provide heat and force to straighten existing members. Do not heat steel above 1200 degrees Fahrenheit. Provide blocking and clamping of members as needed to restore damaged members to their approximate original shape without causing distortions elsewhere in the members. Remove existing coating as needed from areas where heat is to be applied.

Add the following subsection:

00560.50 Portal Frame Repairs – Prior to replacement members being installed, maintain a minimum of three members framing into affected intersection joints, connected by

temporary gusset plates with a minimum of one temporary bolt per connected member at times when bridge is open to traffic or if lift span is to be raised.

Grind flush weld metal on members to remain where within new gusset plate connections.

Field drill holes in remaining members as needed for temporary and final connections.

Add the following subsection:

00560.51 Bridge Rail Post Replacement – Bridge rail posts may only be removed in areas restricted from traffic and must be replaced prior to area being opened to traffic.

Add the following subsection:

00560.52 Hand Rail Pipe Replacement – Hand rail pipes may only be removed in areas restricted from traffic and must be replaced prior to area being opened to traffic.

Add the following subsection:

00560.53 Rocker Bearing Modifications – Protect cast rocker bearing steel from heat above 1100 degrees Fahrenheit. Gusset plate sections to be removed shall be torch cut or by other approved method.

Add the following subsection:

00560.54 Stringer Connection Modifications – Replace missing or damaged bolts at connections as shown on plans.

Add the following subsection:

00560.55 Floorbeam Knee Brace Repairs – Floorbeam knee brace connections may only be removed in areas restricted from traffic and must be replaced prior to area being opened to traffic.

00560.80 Measurement - Replace this subsection, except for subsection number and title, with the following:

No measurement of quantities for Structural Steel Maintenance or Rivet Replacement will be made. The estimated quantities of structural steel and rivet replacement is listed below.

New bolt installation where an existing rivet does not exist will be counted as a Rivet Replacement.

Location	Steel Type	Quantity (Pound)
Back Face Portal	Structural Steel Maintenance	300
	Rivet Replacement	44
Front Face Portal	Structural Steel Maintenance	340
	Rivet Replacement	27
Lift Span Portal	Structural Steel Maintenance	40
	Rivet Replacement	27

Bottom Chord Splice	Structural Steel Maintenance	13
	Rivet Replacement	8

Measurement of Bridge Rail Post Replacement will be on the unit basis of each post replaced.

Measurement of Hand Rail Pipe Replacement will be on the unit basis of each segment of pipe between posts.

Measurement of Rocker Bearing Modification will be on the unit basis of each bearing modified.

Measurement of Stringer Connection Modification will be on the unit basis of each stringer connection location.

Measurement of Floorbeam Knee Brace Repair will be on the unit basis of each knee brace repaired.

00560.90 Payment – Add the following to this subsection:

Pay Item	Unit of Measurement
(i) Bridge Rail Post Replacement	Each
(j) Hand Rail Pipe Replacement	Each
(k) Rocker Bearing Modification	Each
(l) Stringer Connection Modification	Each
(m) Floorbeam Knee Brace Repair	Each

Item (h) includes rivet removal and installation of new bolts.

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and incidentals necessary to complete the Work as specified.

SECTION 00594 - PREPARING AND COATING METAL STRUCTURES

Comply with Section 00594 of the Standard Specifications modified as follows:

00594.00 Scope - Replace this subsection, except for the subsection number and title, with the following:

This Work consists of preparing and coating existing and replacement steel on Bridge No. 06645 (Hood River Bridge) as shown on the plans.

Mill scale will be exposed by the preparation and coating Work.

Lead-based coatings will be affected by the preparation and coating Work.

Coatings that contain chromates will be affected by the preparation and coating work.

No containment material shall extend 5 feet below the lowest section of the bridge span over navigable waters.

00594.05 Waste Handling and Disposal - Add the following paragraph to the end of this subsection:

When lead is contained in the waste, dispose of waste material according to 00290.20, Section 00296, and the applicable requirements of SSPC-Guide 7.

00594.10 Materials - Add the following to the end of this subsection:

Furnish a 3 coat system with organic zinc primer from the QPL. Provide top-coat color that conforms to #24272 of Federal Standard 595C.

00594.40(b) Existing Steel Structures - Add the following paragraphs and bullets to the end of this subsection:

Prepare and coat the following surfaces:

- Existing steel surfaces according to 00560.47.
- New steel members to be shop coated.
- Exposed bare surfaces of existing steel remaining after removing, cutting, drilling, or reaming.
- All areas of existing steel within 3 inches of flame cut edges.

SECTION 02530 - STRUCTURAL STEEL

Comply with Section 02530 of the Standard Specifications modified as follows:

02530.70 Galvanizing - Replace the paragraph that begins "Steel that will be finished by hot-dip galvanizing..." with the following paragraph:

Steel that will be finished by hot-dip galvanizing for use as sign bridges, illumination poles, traffic signal poles, sign supports, bridge rail and items designated on the Plans as "Galvanize - Control Silicon" shall have controlled silicon content. The silicon content shall be in either of the ranges 0 - 0.06 percent or 0.13 - 0.25 percent. Before galvanizing, submit mill test certificates verifying silicon content to the Engineer and the galvanizer.

SECTION 02560 - FASTENERS

Comply with Section 02560 of the Standard Specifications modified as follows:

02560.10(b) Nuts— Replace this subsection, except for the subsection number and title, with the following:

Nuts for carbon steel bolts shall conform to the requirements of the following, or equivalent:

Plain (Noncoated) Bolts:

- 1/4" - 1 1/2" - ASTM A563, Grade A, hex
- Over 1 1/2" - 4" - ASTM A563, Grade A, heavy hex

Galvanized Bolts:

- All - ASTM A563, Grade A, C, D, or DH, heavy hex

02560.20(a) Bolts – Replace this subsection, except for the subsection number and title, with the following:

High-strength bolts used in noncoated weathering steel connections shall be Type 3. High-strength bolts shall conform to the requirements of the following:

Heavy Hex Head:

- ASTM F3125, Grade A325

Twist-Off:

- ASTM F3125, Grade F1852

02560.20(b) Nuts – Replace this subsection, except for the subsection number and title, with following:

Nuts for high-strength bolts shall conform to the requirements of the following, or equivalent:

Type 1 Plain (Noncoated) Bolts:

- All - Heavy hex ASTM A563, Grade C, D, or DH

Type 1 Galvanized Bolts:

- All - Heavy hex ASTM A563, Grade DH

Type 3 Bolts:

- All - Heavy hex ASTM A563, Grade C3 or DH3

02560.20(f) Lock-Pin and Collar Fasteners - Delete this subsection.

02560.30(c) Nuts – Replace this subsection, except for the subsection number and title, with the following:

Nuts for tie rods, anchor bolts, and anchor rods shall conform to the requirements of the following, or equivalent:

Plain Steel Tie Rods, Anchor Bolts, and Anchor Rods:

- All - Heavy hex ASTM A563, Grade A

Galvanized Steel Tie Rods, Anchor Bolts, and Anchor Rods:

- All - Heavy hex ASTM A563, Grade A, C, D, or DH

Plain Or Galvanized High-Strength Tie Rods, Anchor Bolts, or Anchor Rods:

- All - Heavy hex ASTM A563, Grade DH

02560.40 Galvanizing and Coating - Replace this subsection with the following subsection:

02560.40 Galvanizing and Coating:

(a) High Strength Fasteners - When specified, hot-dip galvanize Grade A325 fasteners or mechanically deposit zinc to Grade F1852 fasteners according to ASTM F3125.

(b) Tie Rods, Anchor Bolts, Anchor Rods and Carbon Fasteners - Hot-dip galvanize, tie rods, anchor bolts, anchor rods, nuts, washers and carbon fasteners according to ASTM F2329 as appropriate to the product.

Overtap nuts for galvanized fasteners, galvanized tie rods, galvanized anchor bolts, and galvanized anchor rods according to ASTM A563.

Measure the zinc thickness on the wrench flats or top of bolt head of galvanized bolts and on the wrench flats of galvanized nuts.

(c) Direct Tension Indicators – When specified, apply mechanically deposited zinc according to ASTM F959.

(d) Repair of Hot-Dip Galvanizing - Repair damaged hot-dip galvanizing according to ASTM A780. Minimum zinc content for Method A2 is 94 percent on the dry film.

02560.60(b) Other Test Requirements - In the paragraph that begins "Wedge test all bolts according..." replace the words "AASHTO M 164 (ASTM A325)" with the words "ASTM F3125, Grade A325 or Grade F1852".

02560.70 Lubricating Fasteners - Replace this subsection, except for the subsection number and title, with following:

Furnish all galvanized and coated fasteners with a factory applied commercial water-soluble wax that contains a visible dye of a color that contrasts with the color of galvanizing or coating. Black fasteners shall be "oily" to the touch when installed.

Field lubricate galvanized bolts in tapped holes, galvanized anchor rods, and galvanized tie rods with a lubricant from the QPL. Apply lubricant to threads and to bearing surfaces that will turn during installation.

Protect fasteners from dirt and moisture at the Project site.

Retest heavy hex head fasteners that do not pass the field rotational capacity test. Clean and relubricate heavy hex head fasteners with a lubricant from the QPL prior to retesting.

Relubrication of Twist-Off fasteners is not permitted.

SECTION XI. BID SCHEDULE

Payment for work done under this contract will be made at the unit prices listed on the inserted sheet or sheets which follow. The quantities given are approximate only, and it is neither expressly nor by implication agreed that the actual amounts of work to be done and paid for will be in accord therewith.

ITEM NUMBER	ITEM DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL
MOBILIZATION AND TRAFFIC CONTROL					
0210	MOBILIZATION	LS	1		
0225	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	LS	1		
0253	TEMPORARY WORK ACCESS AND CONTAINMENT	LS	1		
BRIDGES (STRUCTURE NO. 06645)					
0560	STRUCTURAL STEEL MAINTENANCE	LS	1		
0560	BRIDGE RAIL POST REPLACEMENT	EACH	15		
0560	HAND RAIL PIPE REPLACEMENT	EACH	18		
0560	ROCKER BEARING MODIFICATION	EACH	8		
0560	STRINGER CONNECTION MODIFICATION	EACH	7		
0560	FLOORBEAM KNEE BRACE REPAIR	EACH	7		