



**PROJECT MANUAL FOR THE  
ELECTRON WAY AND CONTRA COSTA AVE  
INTERSECTION IMPROVMENTS  
CITY OF FIRCREST, WASHINGTON**

# **BID DOCUMENTS**

**TIB NO. C-P-130(001)-1**

**PREPARED BY**

**KPG PSOMAS INC.  
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**PH: (253) 627-0720**

**100% SUBMITTAL**

**SEPTEMBER 2024**

**THE CITY OF FIRCREST**

**ELECTRON WAY AND CONTRA COSTA AVE  
INTERSECTION IMPROVEMENTS**

**CERTIFICATION**

The technical material and data contained in this document were prepared under the supervision and direction of the undersigned, whose seal, as a professional engineer licensed to practice as such, is affixed below.



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Randall B. DeJarlais, P.E.

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**ADVERTISEMENT FOR BIDS  
ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS**

Notice is hereby given that the City of Fircrest, Pierce County, Washington does hereby invite sealed proposals for the **ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS** as described and in accordance with the Bid Documents.

Bid Documents will be available beginning **October 1st, 2024**. Free-of-charge access to project Bid Documents (plans, specifications, addenda, and Bidders List) is provided to Prime Bidders, Subcontractors, and Vendors by going to [www.bxwa.com](http://www.bxwa.com) and clicking on "Posted Projects", "Public Works", and "City of Fircrest". This online plan room provides Bidders with fully usable online documents with the ability to: download, view, print, order full/partial plan sets from numerous reprographic sources, and a free online digitizer/take-off tool. It is recommended that Bidders "Register" in order to receive automatic e-mail notification of future addenda and to place themselves on the "Self-Registered Bidders List". Bidders that do not register will not be automatically notified of addenda and will need to periodically check the on-line plan room for addenda issued on this project. Contact Builders Exchange of Washington at (425) 258-1303 should you require assistance with access or registration.

This Contract provides for the replacement of existing curb ramps with ADA compliant curb ramps and includes installation of new traffic curb and gutter, curb bulbs, a solar powered rectangular rapid flashing beacon system and all related work as shown on the Plans and as described in the Project Manual.

**Estimated Bid Range: \$150,000 - \$200,000**

Proposals for this work must be sealed, marked "CITY OF FIRCREST – ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS", and returned to the City of Fircrest City Hall at 115 Ramsdell Street, Fircrest, WA 98466-6999 by **10:00 AM October 15, 2024** where and at which time the proposals will be opened and read aloud.

Direct questions regarding the project to Randall DeJarlais, at KPG Psomas Inc.. Email [randall.dejarlais@psomas.com](mailto:randall.dejarlais@psomas.com) . All work performed on this project will be subject to Washington State prevailing wage rates. The City of Fircrest is an Equal Opportunity Employer.

Each bid shall be accompanied by a bid bond, in the amount not less than 5% of the bid amount, with a corporate surety licensed to do business in the State of Washington, and no bid will be considered unless accompanied by such a bond. At time and place named, such bids will be opened and read, and the City of Fircrest staff will proceed to canvas the bids, and may award the project Contract to the lowest responsible bidder. The City of Fircrest reserves the unqualified right in their sole and absolute discretion to reject any and all bids, and to accept the bid which, in their sole and absolute judgment will, under all circumstances, best serve the interest of the City of Fircrest.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS PROJECT

THE CITY OF FIRCREST  
Tyler Bemis, Public Works Director

DATE: September xx, 2024  
PUBLISH: The Seattle Daily Journal of Commerce, October 1 and October 8, 2024  
The Tacoma Daily Index, October 1 and October 8, 2024  
BID OPENING: 10:00 AM October 15, 2024

## **INSTRUCTIONS TO BIDDERS**

### **1. DEFINED TERMS**

Terms used in the Instructions to Bidders which are defined in the General Requirements of the Construction Contract, have the meanings assigned to them in the General Requirements. The term "Successful Bidder" means the lowest, qualified, responsible Bidder to whom Owner (on the basis of Owner's evaluation as hereinafter provided) makes an award.

### **2. COPIES OF BIDDING DOCUMENTS**

2.1 Complete sets of Bidding Documents may be obtained by going to [www.bxwa.com](http://www.bxwa.com) and clicking on "Posted Projects", "Public Works", and "City of Fircrest".

2.2 Complete sets of Bidding Documents shall be used in preparing Bids; neither Owner nor Engineer assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.3 Owner and Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.

### **3. BIDDER RESPONSIBILITY CRITERIA**

All Bidders must submit the Mandatory Bidder Responsibility Checklist contained in this Project Manual with the bid proposal documents at the time of Bid opening. After Bid opening, the Owner will request additional responsibility submittals in accordance with the Supplemental Bidder Responsibility Criteria contained in this Project Manual.

### **4. EXAMINATION OF CONTRACT DOCUMENTS AND SITE**

4.1 Before submitting a Bid, each Bidder must:

- a) Examine the Contract Documents thoroughly;
- b) Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress or performance of the work;
- c) Familiarize themselves with federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the work; and
- d) Study and carefully correlate Bidder's observations with the Contract Documents.

4.2 Before submitting their bid, each Bidder will, at their own expense, make such additional investigations and tests as the Bidder may deem necessary to determine his or her Bid for performance of the Work in accordance with the time, price and other terms and conditions of the Contract Documents.

- 4.3 On request, Owner will provide each Bidder access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of his or her Bid.
- 4.4 The lands upon which the work is to be performed, rights-of-way for access thereto and other lands designated for use by Contractor in performing the Work are identified in the General Requirements or Drawings.
- 4.5 The submission of a Bid will constitute an incontrovertible representation by the Bidder that he or she has complied with every requirement of this Article 4 and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

5. INTERPRETATIONS

All questions about the meaning or intent of the Contract Documents shall be submitted to the Engineer in writing. Replies will be issued by Addenda mailed or delivered to all parties recorded by the Engineer as having received the Bidding Documents. Questions received less than five (5) days prior to the date for opening of Bids will not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

6. BID SECURITY

- 6.1 Bid Security shall be made payable to Owner, in an amount of five percent of the Bidder's Schedule A price and in the form of a certified or bank check or a Bid Bond issued by a Surety meeting the requirements of the Standard Specifications.
- 6.2 The Bid Security of the Successful Bidder will be retained until such Bidder has executed the Agreement and furnished the required Contract Security, whereupon it will be returned; if the successful Bidder fails to execute and deliver the Agreement and furnish the required Contract Security within twenty (20) days of the Notice of Award, Owner may annul the Notice of Award and the Bid Security of that Bidder will be forfeited.

7. CONTRACT TIME/COMMENCEMENT OF WORK

The number of days within which, or the date by which, the work is to be completed (the Contract Time) is set forth in Section 1-08.5 of the Special Provisions.

8. LIQUIDATED DAMAGES

If said work is not completed within the time specified, the Contractor agrees to pay to the Owner the sum as identified in Section 1-08.9 of the Standard Specifications for each and every day said work remains uncompleted after expiration of the specified time as liquidated damages.

9. SUBSTITUTE MATERIAL AND EQUIPMENT

The Contract, if awarded, will be on the basis of material and equipment described in the drawings or specified in the Specifications without consideration of possible substitute or "or equal" items. Whenever it is indicated in the Drawings or specified in the Specifications, a substitute or "or equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer. Application for such acceptance will not be considered by Engineer until after the "effective date of the Agreement".

10. SUBCONTRACTORS, ETC.

10.1 The identity of certain Subcontractors and materials suppliers shall be provided with the Bidder's Proposal in accordance with the instructions contained on the Subcontractor Listing Form contained in these Contract Documents. If the Owner or Engineer has any reasonable objection to any proposed Subcontractor or materials supplier, they may request the apparent successful Bidder to submit an acceptable substitute without an increase in Bid price before giving the Notice of Award. If the apparent successful Bidder declines to make any such substitution, the Contract shall not be awarded to such Bidder, but the Bidder declining to make any such substitution will not constitute grounds for sacrificing such Bid Security. Any Subcontractor or materials supplier so listed and to whom the Owner or Engineer does not make written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner and Engineer.

10.2 No Contractor shall be required to employ any Subcontractor, other person or organization against whom they have reasonable objection.

11. BID FORM

11.1 The Bid Form is attached hereto; additional copies may be obtained by going to [www.bxwa.com](http://www.bxwa.com) and clicking on "Posted Projects", "Public Works", and "City of Fircrest".

11.2 Bid Forms must be completed in ink or by typewriter. The Unit Bid Price of each item on the form must be stated in numerals.

11.3 Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.

11.4 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signature.

- 11.5 All names must be typed or printed below the signature.
- 11.6 The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form).
- 11.7 The address to which communications regarding the Bid are to be directed must be shown.
- 11.8 All bidders are required to provide pricing for every item listed on the Bid Proposal Form. Failure to provide pricing for every item listed on the Bid Proposal Form will result in a non-responsive bid.

12. SUBMISSION OF BIDS

Bids shall be submitted at the time and place indicated in the Advertisement for Bids and shall be included in an opaque sealed envelope, marked with the Project title and name and address of the Bidder and accompanied by the Bid Security and other required documents. If the Bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope, with the notation "Bid Enclosed" on the face thereof.

13. MODIFICATION AND WITHDRAWAL OF BIDS

- 13.1 Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.
- 13.2 If, within twenty-four (24) hours after Bids are opened, any Bidder files a duly signed written Notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of their Bid, that Bidder may withdraw their Bid and the Bid Security will be returned. Thereafter, that Bidder will be disqualified from further bidding on the Work.

14. OPENING OF BIDS

When Bids are opened publicly they will be read aloud, and an abstract of the amounts of the base Bids and major alternates (if any) will be made available after the opening of Bids.

15. BIDS TO REMAIN OPEN

All Bids shall remain open for forty-five (45) days after the day of the Bid opening, but Owner may, in his/her sole discretion, release any Bid and return the Bid Security prior to that date.

16. AWARD OF CONTRACT

- 16.1 Owner reserves the right to reject any and all Bids, to waive any and all informalities and to negotiate contract terms with the Successful Bidder, and the right to disregard all non-conforming, non-responsive or conditional Bids. Discrepancies between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.
- 16.2 In evaluating Bids, Owner shall consider the qualifications of the Bidders, whether or not the Bids comply with the prescribed requirements, and alternates if requested in the Bid forms. It is Owner's intent to accept alternates (if any are accepted) in any order or combination.
- 16.3 Owner may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the Work as to which the identity of Subcontractors and other persons and organizations must be submitted as provided in the General Requirements. Operating costs, maintenance considerations, performance data and guarantees of materials and equipment may also be considered by Owner.
- 16.4 Owner may conduct such investigations as it deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Bidders, proposed Subcontractors and other persons and organizations to do the Work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.
- 16.5 Owner reserves the right to reject the Bid of any Bidder who does not pass any such evaluation to Owner's satisfaction.
- 16.6 If the contract is to be awarded it will be awarded to the lowest Bidder (including selected alternates) whose evaluation by Owner indicates to Owner that the award will be in the best interests of the Project.

17. PERFORMANCE AND OTHER BONDS

The Standard Specifications set forth Owner's requirements as to performance and other bonds. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by the required Contract Security.

18. SIGNING OF AGREEMENT

When Owner gives a Notice of Award to the Successful Bidder, it will be accompanied by at least three unsigned counterparts of the Agreement and all other Contract Documents. Within ten days thereafter Contractor shall sign and deliver at least three counterparts of the Agreement to Owner with all other Contract Documents attached. The Owner will deliver one fully signed copy to Contractor. Engineer will identify those portions of the Contract

Documents not fully signed by Owner and Contractor and return documents for signatures.

19. SPECIAL LEGAL REQUIREMENTS

- 19.1 The Sales Tax shall be paid by the Contractor as required by the laws of the State of Washington. Said sales tax, if applicable, shall be shown separately in the bidder's proposal in the spaces provided.
- 19.2 The Contractor must comply with the requirements of the United States Department of Labor Safety and Health Regulations for Construction, 29 CFR 1518 of April 17, 1972, Part II, as well as the Washington Industrial Safety and Health Act of 1973, or as amended therefore.
- 19.3 The Contractor and all their subcontractors shall be responsible for paying prevailing rate of wages to all workmen, laborers, or mechanics employed in the performance of any part of this Contract in accordance with the provisions of Chapter 39.12 RCW, as amended. On federal aid projects, federal wage laws and regulations are also applicable. The rules and regulations of the Department of Labor on federal aid projects, and the schedule of prevailing wage rates for the locality or localities where this Contract will be performed are by reference made a part of this Contract.

On projects governed by wage rates determined by the State of Washington Department of Labor and Industries and by the U.S. Secretary of Labor, if there is a difference between the two in the prevailing rate of wage for a similar classification of labor, the Contractor shall pay not less than the wage which is the higher of the two.

Inasmuch as the Contractor will be held responsible for paying the prevailing wages, it is imperative that all Contractors familiarize themselves with the current wage rates before submitting bids based on these specifications.

In case any dispute arises as to what are the prevailing rates of wages for work of a similar nature and such dispute cannot be adjusted by the parties of interest, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington (or to the United States Secretary of Labor when prevailing wages established by that office are involved), and his decision therein shall be final and conclusive and binding on all parties involved in the dispute.

20. LUMP SUM AND UNIT PRICES

- 20.1 Lump sum prices shall include all materials, labor, services, equipment and all work necessary to complete the project in accordance with the plans and specifications that are not included in unit price items. If an increase is required in the work covered by a lump sum price, it shall be computed on the basis of "extra work" for which an increase in payment will have been earned, and if there should be a decrease in the lump sum payment, it shall be only as a result of negotiation between the Contractor and the Owner.

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- 20.2 Unit prices, if applicable, shall include all labor, materials, equipment, shoring, pumping, overhead, profit, insurance, etc., needed to complete the finished work called for.
- 20.3 It is understood that any estimate with respect to time, materials, equipment, or services which may appear on the plans or in the specifications is for the sole purpose of assisting the Contractor in checking his own independent calculations, and at no time shall the Contractor attempt to hold the Owner, the Engineer or any other person, firm or corporation responsible for any errors or omissions that may appear in any estimate.
- 20.4 Unless provided for otherwise in the contract specifications, the Contractor shall coordinate and obtain all permits and licenses required for the completion of this project. All costs for coordinating and obtaining such permits shall be included in the contract items provided, and no separate payment shall be made.

**BIDDER'S CHECKLIST**

The bidder's attention is especially called to the following forms which must be executed in full as required:

- (a) Bid Proposal:  
The lump sum and unit bid prices must be shown in the space provided.
- (b) Proposal Signature Sheet:  
To be completed and signed by the bidder.
- (c) Bid Bond Deposit:  
This form is to be executed by the bidder and the surety company unless bid is accompanied by a certified check. The amount of this bond shall be not less than five percent (5%) of the total amount bid and may be shown in dollars or on a percentage basis. Checks shall be payable to The City of Fircrest. Bonds shall be furnished by a company authorized to do business in the State of Washington.
- (d) Non-Collusion Affidavit:  
Non-collusion Affidavit must be subscribed to and sworn before a notary public.
- (e) Subcontractor and Material Supplier Listing:  
This form must be submitted with the bid proposal. The contractor shall list all subcontractors and material suppliers who are required to be listed, in accordance with the instructions contained thereon.
- (f) Statement of Bidder's Qualifications:  
To be completed and signed by the bidder.
- (g) Contractor Certification Wage Law Compliance – Responsible Criteria  
To be completed and signed by the bidder.

**The following forms are to be executed after the Contract is awarded:**

- (a) Contract:  
This agreement is to be executed by the successful bidder.
- (b) Performance Bond:  
To be executed by the successful bidder and the bidder's surety company.
- (c) Declaration of Option for Management of Statutory Retained Percentage:  
This item is to be executed by the successful bidder.

**SCHEDULE OF PRICES - CITY OF FIRCREST**

**Electron and Contra Costa Intersection**

**ALL ENTRIES SHALL BE WRITTEN IN INK OR TYPED TO VALIDATE BID**

(Note: Unit prices for all items, all extensions, and total amount of bid must be shown.)

ITEM NO.	APPROX. QUANTITY	ITEM WITH UNIT PRICED BID	UNIT PRICE Dollars Cts.	TOTAL ITEM PRICE Dollars Cts.
<b>Schedule of Prices</b>				
100	1 FA	Minor Change, per Force Account	1-04 \$2,500.00	\$2,500.00
101	1 LS	Mobilization (DOC & TIB), per Lump Sum	1-09 LUMP SUM	\$
102	1 LS	Project Temporary Traffic Control (DOC & TIB), per Lump Sum	1-10 LUMP SUM	\$
103	1 LS	Removal of Structures and Obstructions, per Lump Sum	2-02 LUMP SUM	\$
104	191 SY	Asphalt Conc. Pavement Removal, per Square Yard	2-02 \$	\$
105	124 SY	Cement Conc. Sidewalk Removal Incl. Haul, per Square Yard	2-02 \$	\$
106	253 LF	Curb & Gutter Removal Incl. Haul, per Linear Foot	2-02 \$	\$
107	3 EA	Adjust Existing Utility to Finished Grade, per Each	2-02 \$	\$
108	50 TN	Crushed Surfacing Top Course, per Ton	4-04 \$	\$
109	37 TN	HMA CL. 1/2 In. PG 58H-22 , per Ton	5-04 \$	\$
110	1 LS	Erosion Control and Water Pollution Prevention, per Lump Sum	8-01 LUMP SUM	\$
111	1 LS	Property Restoration , per Lump Sum	8-02 LUMP SUM	\$
112	277 LF	Cement Conc. Traffic Curb and Gutter, per Linear Foot	8-04 \$	\$
113	179 LF	Cement Conc. Pedestrian Curb, per Linear Foot	8-04 \$	\$
114	49 SY	Cement Conc. Sidewalk , per Square Yard	8-14 \$	\$
115	628 SF	Cement Conc. Curb Ramp, per Square Foot	8-14 \$	\$
116	1 LS	RRFB System, Complete, per Lump Sum	8-20 LUMP SUM	\$
117	30 LF	Plastic Stop Line, per Linear Foot	8-22 \$	\$
118	390 SF	Plastic Crosswalk Line, per Square Foot	8-22 \$	\$
<b>TOTAL BID =</b>				

**PROPOSAL SIGNATURE**

If the bidder is awarded a Contract on this Proposal, the surety who will provide the Performance Bond will be:

\_\_\_\_\_ whose address is:  
\_\_\_\_\_  
\_\_\_\_\_

The business address of the Bidder who is submitting this proposal is:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ ,

which is the address to which all communications concerning this Proposal and the Contract should be sent.

The names of the principle officers of the company, partnership, or corporation, or all persons who may represent the Bidder are as follows:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(a) For non-incorporated bidders:

in witness thereto the undersigned has set (his)(their) hand(s) this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Title Telephone No.

State Contractor License No.: \_\_\_\_\_

Date of Expiration of License: \_\_\_\_\_

Federal Employer Identification Number Issued by I.R.S.: \_\_\_\_\_

OR

(b) For incorporated bidders:

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In witness whereof the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly elected officers this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
By

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone No.

\_\_\_\_\_  
Attested to by Secretary

State Contractor License No.: \_\_\_\_\_  
Date of Expiration of License: \_\_\_\_\_  
Federal Employer Identification Number Issued by I.R.S.: \_\_\_\_\_

1. If the bidder is a co-partnership, so state giving firm name under which business is transacted.
2. If the bidder is a corporation, this proposal must be executed by its duly authorized officials.

Receipt of the following Addenda to the Plans and/or Specifications is hereby acknowledged:

Addendum Number	Date of Receipt	Signed Acknowledgment
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

NOTE: Failure to acknowledge receipt of Addenda may be considered as an irregularity in the Proposal.

The undersigned also agrees as follows:

1. Within ten (10) days after the Contract is awarded, to execute the Contract and to furnish to the City of Fircrest a satisfactory contract bond, guaranteeing the faithful performance of the work and payment of bills.

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2. Enclosed with this proposal is a cashier's or certified check for \$\_\_\_\_\_ or a bid bond in the sum of five percent (5%) of bid which it is agreed shall be collected and retained by the City of Fircrest as liquidated damages in the event this proposal is accepted by the City of Fircrest within forty-five (45) calendar days after the date advertised for the reception of bids and the undersigned fails to execute the contract and the required bond with the City of Fircrest, under the conditions thereof, within ten (10) calendar days after the undersigned is notified that said proposal has been accepted, otherwise said check or bond shall be returned to the undersigned upon demand.
3. That his/her proposal cannot be withdrawn within forty-five (45) days after the scheduled time for receipt of bids.
4. That it is understood the City of Fircrest may accept or reject any or all bids.
5. Receipt of Addenda numbered through \_\_\_\_\_ is hereby acknowledged.

\_\_\_\_\_  
Signature of Bidder

By \_\_\_\_\_

Date \_\_\_\_\_

Address of Bidder \_\_\_\_\_

Name and Addresses of Firm Members:

\_\_\_\_\_  
\_\_\_\_\_

**BID BOND DEPOSIT**

Herewith find deposit in the form of a certified check, cashiers check, cash or bid bond in the amount of \$ \_\_\_\_\_, which amount is not less than five percent (5%) of the total bid.

Signature \_\_\_\_\_

-----

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the City of Fircrest, as Obligee, in the penal sum of \_\_\_\_\_ dollars for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the principal for the CITY OF FIRCREST – ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS according to the terms of the proposal or bid made by the Principal therefore, and the Principal shall duly make and enter into a contract with the Obligee in accordance with terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall, in case of failure to do so, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect and Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the amount of this bond.

SIGNED, SEALED, AND DATED this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

-----

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, received return of deposit in the sum of \$ \_\_\_\_\_.

Signature \_\_\_\_\_

**NON-COLLUSION AFFIDAVIT**

STATE OF WASHINGTON )  
 ): ss  
COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_, being first duly sworn, on his/her oath certifies that the bid above submitted is a genuine and not a sham or collusive bid, or made in the interest or on behalf of any person not therein named; and he/she further says that the said bidder has not directly or indirectly induced or solicited any bidder on the above work or supplies to put in a sham bid, or any other person or corporation to refrain from bidding; and that said bidder has not in any manner sought by collusion to secure to \_\_\_\_\_ an advantage over any other bidder or bidders.

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\_\_\_\_\_  
(Contractor)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public in and for the State of Washington,  
residing at \_\_\_\_\_.

**SUBCONTRACTOR AND MATERIAL SUPPLIER LISTING**

Bidders must list the Firm Name for all subcontractors and material suppliers whose scope of work is identified under Designated Work below.

In addition, Bidders must also list the Firm Name for all Subcontractors whose subcontracts exceed ten (10) percent of the submitted Bid amount, and identify the Designated Work for those Subcontractors in the column provided.

List each Firm Name only once unless the subcontractor or material supplier is performing work under more than one category. If a Designated Work category requires more than one subcontractor or material supplier, then list only the Firm Name with the largest dollar value of work in that category.

If the Bidder intends to perform the work without a subcontractor, then “N.A.” is an acceptable response in the column of Firm Name, unless this Contract requires the work to be performed by a Subcontractor.

(If additional space is required, provide same information on separate sheet)

Firm Name

Designated Work

<u>Firm Name</u>	<u>Designated Work</u>

\_\_\_\_\_  
Signed by

\_\_\_\_\_  
Name of Bidder/Firm Submitting Bid

**CITY OF FIRCREST  
STATEMENT OF BIDDER'S QUALIFICATIONS**

Contractor Name: \_\_\_\_\_ Contact: \_\_\_\_\_

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

Business phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Number of years the Contractor has been engaged in the construction business under the present firm name: \_\_\_\_\_

Describe the general character of work performed by your company: \_\_\_\_\_

List five projects of a similar nature which Contractor has completed within the last 10 years. Include contract amount and contact information for references:

Project Name	Amount	Owner/Agency	Contact	Phone	Year Completed

**See the supplemental bidder qualification requirements specified in Special Provision Section 1-02.1.**

List major equipment anticipated to be used on this project; indicate whether Contractor-owned or to be leased from others: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bank reference(s): \_\_\_\_\_

Washington State Contractor Registration No.: \_\_\_\_\_

Uniform Business Identification No.: \_\_\_\_\_

I certify that other contracts now in progress or hereafter obtained will not interfere with timely performance of the City of Fircrest project should I become the successful bidder.

Authorized Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

## CONTRACT

THIS AGREEMENT, made and entered into in duplicate, this \_\_\_\_\_ day of \_\_\_\_\_, 2024, by and between the City of Fircrest, hereinafter called the Owner, and \_\_\_\_\_, hereinafter called the Contractor.

### WITNESSETH:

That in consideration of the terms and conditions contained herein, and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

1. The Contractor shall do all work and furnish all tools, materials, and equipment for the CITY OF FIRCREST – ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS in accordance with and as described in the attached plans and specifications and the 2024 edition of the WSDOT Standard Specifications for road, Bridge, and Municipal Construction (except where noted otherwise) which are by this reference incorporated herein and made a part hereof, and shall perform any alterations in or additions to the work provided under this Contract and every part thereof.

Work shall be completed within **Twenty (20) working days.**

If said work is not completed within the time specified, the Contractor agrees to pay to the Owner, as liquidated damages, the sum as outlined in Section 1-08.9 of the Standard Specifications.

The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof, except such as are mentioned in the specifications to be furnished by the City of Fircrest.

2. The City of Fircrest hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above-described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained; and hereby contracts to pay for the same according to the attached specifications and the schedule of unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract.
3. The Contractor for himself, and for his/her heirs, executors, administrators, successors, and assigns, does hereby agree to the full performance of all the covenants herein upon the part of the Contractor.
4. It is further provided that no liability shall attach to the City of Fircrest by reason of entering into this contract, except as expressly provided herein. Contractor shall protect, indemnify and hold the City of Fircrest and City Employees, Directors Officers and Officials harmless from and against any damage, cost, or liability, including reasonable attorney's fees, for any or all injuries

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS PROJECT

to persons or damage to property arising from acts or omissions of the Contractor, its officers, employees, agents, or subcontractors.

5. The Contractor shall not discriminate against any person, firm, partnership, or organization as it pertains to race, color, religion, sex, age, national origin, marital status, sexual orientation, medical condition, physical handicap or disability. Any person, firm, partnership, or organization contracting with, or doing business with, the City of Fircrest, shall be in conformity with the City of Fircrest’s policy on non-discrimination.
6. The City of Fircrest and Fircrest employees, Directors, Officers and Officials shall be added as a Primary – Non Contributory additional insured for General Liability per attached endorsement CG 8416.

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed the day and year first hereinabove written.

By \_\_\_\_\_  
(City Manager)

By \_\_\_\_\_  
(Contractor)

Approved as to Legality:

\_\_\_\_\_  
(City Attorney)

**PERFORMANCE BOND**

**BOND TO CITY OF FIRCREST**

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, \_\_\_\_\_

\_\_\_\_\_ as principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of Washington, as a surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety, are jointly and severally held and firmly bound to the City of Fircrest in the penal sum as identified in the Standard Specifications, the payment of which sum on demand we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

This obligation is entered into in pursuance of the statutes of the State of Washington and the Ordinances of the City of Fircrest.

Dated at \_\_\_\_\_, Washington, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Nevertheless, the conditions of the above obligation are such that:

WHEREAS, the Council of the City of Fircrest passed in regular Council meeting on \_\_\_\_\_, 20\_\_ to award this contract, the Council of said City of Fircrest has let or is about to let to the said, \_\_\_\_\_, the above bounden Principal, a certain contract, the said contract being \_\_\_\_\_, and providing for \_\_\_\_\_ (which contract is referred to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said Principal has accepted, or is about to accept, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth;

NOW, THEREFORE, if the said \_\_\_\_\_ shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth, or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply said principal or subcontractors with provisions and supplies for the carrying on of said work, and shall hold said City of Fircrest harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence on the said principal, or any sub-contractor in the performance of said work, and shall indemnify and hold the City of Fircrest harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract within a period of one year after its acceptance thereof by the City of Fircrest, then and in that event this obligation shall be void; but otherwise it shall be and remain in full force and effect.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS PROJECT

Approved as to Legality: \_\_\_\_\_

Approved: \_\_\_\_\_

PRINCIPAL

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title

SURETY

\_\_\_\_\_  
Surety Company

\_\_\_\_\_  
Authorized Company

\_\_\_\_\_  
Title

Please attach certification of authorization for signatures for Surety company.

**CITY OF FIRCREST, WASHINGTON**

**ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS**

**DECLARATION OPTION FOR MANAGEMENT OF  
STATUTORY RETAINED PERCENTAGE**

A. I hereby elect to have the retained percentage of this contract held in a fund by the City of Fircrest until thirty (30) days following final acceptance of the work.

Signed \_\_\_\_\_

Date \_\_\_\_\_

B. I hereby elect to have the City of Fircrest invest the retained percentage of this contract from time to time as such retained percentage accrues and in accordance with RCW 60.28.

I hereby designate \_\_\_\_\_ as the repository for the escrow of said funds.

I hereby further agree to be fully responsible for payment of all costs or fees incurred as a result of placing said retained percentage in escrow and investing it as authorized by statute.

The City of Fircrest shall not be liable in any way for any costs or fees in connection therewith.

Signed \_\_\_\_\_

Date \_\_\_\_\_



# **SPECIAL PROVISIONS**

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

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ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**INTRODUCTION TO THE SPECIAL PROVISIONS**

*(January 4, 2024 APWA GSP, Option A)*

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2024 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

*(March 8, 2013 APWA GSP)*

*(April 1, 2013 WSDOTGSP)*

*Project specific special provisions are labeled without a date as such:  
(\*\*\*\*\*)*

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT Manual M21-01, current edition

Contractor shall obtain copies of these publications, at Contractor's own expense.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

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ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**DIVISION 1  
GENERAL REQUIREMENTS**

**DESCRIPTION OF WORK**

*(March 13, 1995 WSDOT GSP)*

This Contract provides for the improvement of the intersection of Electron Way and Contra Costa Ave and will install new pedestrian curb and gutter, sidewalk, and ADA curb ramps at all four corners of the intersection, pavement patching, remove and replace existing channelization, adjust existing utilities, and all other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

**1-01 DEFINITIONS AND TERMS**

**1-01.3 Definitions**

*(January 19, 2022 APWA GSP)*

*Delete the heading Completion Dates and the three paragraphs that follow it, and replace them with the following:*

**Dates**

**Bid Opening Date**

The date on which the Contracting Agency publicly opens and reads the Bids.

**Award Date**

The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

**Contract Execution Date**

The date the Contracting Agency officially binds the Agency to the Contract.

**Notice to Proceed Date**

The date stated in the Notice to Proceed on which the Contract time begins.

**Substantial Completion Date**

The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

**Physical Completion Date**

The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

**Completion Date**

The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

Contract and required by law must be furnished by the Contractor before establishment of this date.

### **Final Acceptance Date**

The date on which the Contracting Agency accepts the Work as complete.

*Supplement this Section with the following:*

All references in the Standard Specifications or WSDOT General Special Provisions, to the terms "Department of Transportation", "Washington State Transportation Commission",

"Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

All references to "final contract voucher certification" shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

### **Additive**

A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

### **Alternate**

One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

### **Business Day**

A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

### **Contract Bond**

The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

### **Contract Documents**

See definition for "Contract".

### **Contract Time**

The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**Notice of Award**

The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.

**Notice to Proceed**

The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

**Traffic**

Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

**1-02 BID PROCEDURES AND CONDITIONS**

**1-02.1 Prequalification of Bidders**

*Delete Section 1-02.1 and replace it with the following:*

**1-02.1 Qualifications of Bidder**

*(January 24, 2011 APWA GSP)*

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

**1-02.2 Plans and Specifications**

*Delete this section and replace it with the following:*

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the work.

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

<b>To Prime Contractor</b>	<b>No. of Sets</b>	<b>Basis of Distribution</b>
Reduced plans (11" x 17")	3	Hard Copy and PDF - Furnished automatically upon award.
Contract Provisions	1	PDF Furnished automatically upon award.
Large plans (e.g., 22" x 34")	1	PDF Furnished automatically upon request.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

Additional plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

**1-02.4 Examination of Plans, Specifications, and Site of Work**

**1-02.4(1) General**

*(December 30, 2022 APWA GSP Option A)*

*The first sentence of the ninth paragraph, beginning with "Prospective Bidder desiring...", is revised to read:*

Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing soon enough to allow a written reply to reach all prospective Bidders before the submission of their Bids.

**1-02.5 Proposal Forms**

*(July 31, 2017 APWA GSP)*

*Delete this section and replace it with the following:*

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

**1-02.6 Preparation of Proposal**

*(\*\*\*\*\*)*

*Supplement the second paragraph with the following:*

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.
6. Some bid items in the Proposal are required to have the same unit bid price for each schedule of work, these items are indicated on the bid proposal.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

Delete the last two paragraphs, and replace them with the following:

The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

**1-02.7 Bid Deposit**

*(March 8, 2013 APWA GSP)*

Supplement this section with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder's officer empowered to sign official statements. The signature of the person authorized to submit the bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

**1-02.9 Delivery of Proposal**

*(\*\*\*\*\*)*

Delete this section and replace it with the following:

Each Proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

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**1-02.10            Withdrawing, Revising, or Supplementing Proposal**

*(July 23, 2015 APWA GSP)*

*Delete this section and replace it with the following:*

After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated to receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set of receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal package to the Bidder. The Bidder must then submit the revised or supplemented package in its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall be considered withdrawn.

Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to withdraw, revise, or supplement a Bid Proposal are not acceptable.

**1-02.13            Irregular Proposals**

*(September 3, 2024 APWA GSP)*

*Delete this section and replace it with the following:*

1. A Proposal will be considered irregular and will be rejected if:
  - a. The Bidder is not prequalified when so required;
  - b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
  - c. A price per unit cannot be determined from the Bid Proposal;
  - d. The Proposal form is not properly executed;
  - e. The Bidder fails to submit or properly complete a subcontractor list (WSDOT Form 271-015), if applicable, as required in Section 1-02.6;
  - f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification (WSDOT Form 272-056), if applicable, as required in Section 1-02.6;
  - g. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
  - h. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award in accordance with Section 1-07.11;

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- i. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
  - j. The Bidder fails to submit the Bidder Questionnaire (DOT Form 272-022), if applicable as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
  - k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.
2. A Proposal may be considered irregular and may be rejected if:
- a. The Proposal does not include a unit price for every Bid item;
  - b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
  - c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
  - d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
  - e. Receipt of Addenda is not acknowledged;
  - f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
  - g. If Proposal form entries are not made in ink.

### **1-02.14 Disqualification of Bidders**

*(May 17, 2018 APWA GSP, Option A)*

*Delete this section and replace it with the following:*

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended.

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1). To assess bidder responsibility, the Contracting Agency reserves the right to request documentation as needed from the Bidder and third parties concerning the Bidder's compliance with the mandatory bidder responsibility criteria.

If the Contracting Agency determines the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1) and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

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**1-02.15 Pre Award Information**

*(December 30, 2022 APWA GSP)*

*Revise this section to read:*

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

**1-03 AWARD AND EXECUTION OF CONTRACT**

**1-03.1 Consideration of Bids**

*(\*\*\*\*\*)*

*Revise the first paragraph to read:*

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, some bid items in the proposal are required to have the same unit price for in each schedule should there be a difference in one of these unit prices the higher of the two unit prices will be used for both schedules the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

**1-03.3 Execution of Contract**

*(July 8, 2024 APWA GSP, Option A)*

*Revise this section to read:*

Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

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Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful bidder on the first business day following award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within 10 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage form for the Construction Stormwater General Permit with sections I, III, and VIII completed when provided. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any work begun outside such areas and for any materials ordered before the contract is executed by the Contracting Agency.

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 10 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

### **1-03.4 Contract Bond**

*(July 23, 2015 APWA GSP)*

*Delete the first paragraph and replace it with the following:*

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
  - a. Is registered with the Washington State Insurance Commissioner, and
  - b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
  - a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
  - b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and

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6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

**1-03.7 Judicial Review**

*(December 30, 2022 APWA GSP)*

*Revise this section to read:*

All decisions made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

**1-04 SCOPE OF WORK**

**1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda**

*(December 30, 2022 APWA GSP)*

*Revise the second paragraph to read:*

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Standard Specifications,
6. Contracting Agency's Standard Plans or Details (if any), and
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

**1-04.4 Changes**

*(January 19, 2022 APWA GSP)*

*The first two sentences of the last paragraph of Section 1-04.4 are deleted.*

**1-04.4(1) Minor Changes**

*(May 30, 2019 APWA GSP)*

*Delete the first paragraph and replace it with the following:*

Payments or credits for changes amounting to \$5,000 or less may be made under the Bid item "Minor Change". At the discretion of the Contracting Agency, this procedure for Minor Changes may be used in lieu of the more formal procedure as outlined in Section 1-04.4, Changes.

All "Minor Change" work will be within the scope of the Contract Work and will not change

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Contract Time.

**1-05 CONTROL OF WORK**

**1-05.4 Conformity with and Deviations from Plans and Stakes**

*(January 13, 2021 WSDOT GSP)*

*Section 1-05.4 is supplemented with the following:*

**Contractor Surveying - Roadway**

The Contracting Agency has provided primary survey control in the Plans. Upon request, the Engineer of Record will provide Contractor with project CAD files that include the horizontal alignment of face of curb.

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 100 feet.
3. Staking the location of the station and offset shown on the plans for all pavement markings.

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4. Staking required for all curbs, sidewalk, and curb ramps including at a minimum all location points shown on the plans.
5. Surveying as required to determine required depth of pavement grinding to achieve a 4-inch depth from finish grade. Finish grade is defined as a straight line grade between the lip of gutter and the edge of pavement or centerline of pavement where pavement removal crosses the roadway centerline.
6. Location of all existing surface utilities as required to locate and adjust utilities to finish grad upon placement of final lift of HMA.
7. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.
8. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	<u>Vertical</u>	<u>Horizontal</u>
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

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When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

### ***Payment***

All work associated with "Roadway Surveying" shall be included in the lump sum contract price for "Mobilization".

### **1-05.7 Removal of Defective and Unauthorized Work**

*(October 1, 2005 APWA GSP)*

*Supplement this section with the following:*

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

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No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

### **1-05.11 Final Inspection**

*(October 1, 2005 APWA GSP)*

*Delete this section and replace it with the following:*

### **1-05.11 Final Inspections and Operational Testing**

#### **1-05.11(1) Substantial Completion Date**

When the Contractor considers the work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefore.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the work physically complete and ready for final inspection.

#### **1-05.11(2) Final Inspection and Physical Completion Date**

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

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If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.

The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the work was considered physically complete. That date shall constitute the Physical Completion Date of the contract, but shall not imply acceptance of the work or that all the obligations of the Contractor under the contract have been fulfilled.

### **1-05.11(3) Operational Testing**

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit contract prices related to the system being tested, unless specifically set forth otherwise in the proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's guaranties or warranties furnished under the terms of the contract.

### **1-05.13 Superintendents, Labor and Equipment of Contractor**

(August 14, 2013 APWA GSP)

*Delete the sixth and seventh paragraphs of this section.*

### **1-05.15 Method of Serving Notices**

(January 4, 2024 APWA GSP)

*Revise the second paragraph to read:*

All correspondence from the Contractor shall be served and directed to the Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the

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Contract, must be written in paper format, hand delivered or sent via certified mail delivery service with return receipt requested to the Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

*Add the following new section:*

**1-05.16 Water and Power**

*(October 1, 2005 APWA GSP)*

The Contractor shall make necessary arrangements, and shall bear the costs for power and water necessary for the performance of the work, unless the contract includes power and water as a pay item.

**1-06 CONTROL OF MATERIAL**

**1-06.1 Approval of Materials Prior to Use**

*(April 3, 2017 WSDOT GSP)*

*Section 1-06.1 is supplemented with the following:*

For each proposed material that is required to be submitted for approval using either the QPL or RAM process the Contractor will be allowed to submit for approval two material sources or manufacturers per material type at no cost. Additional material sources or manufacturers may be submitted for approval and will be processed at a cost of \$125.00 per material source or manufacturer submitted by QPL submittal and \$400.00 per material submitted by RAM. All costs for processing additional material sources or manufacturers will be deducted from monies due or that may come due to the Contractor. Subject to a request by the Contractor and a determination by the Engineer the costs for processing may be waived.

**1-06.2 Acceptance of Materials**

**1-06.2(2)B Financial Incentive**

*(January 4, 2024 AWPA GSP)*

*Replace the first sentence of this Section with the following:*

The maximum Composite Pay Factor shall be 1.00.

**1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

**1-07.1 Laws to be Observed**

*(October 1, 2005 APWA GSP)*

*Supplement this section with the following:*

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA).

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The Contractor shall maintain at the project site office, or other well-known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

### **1-07.2 State Taxes**

*Delete this section, including its sub-sections, in its entirety and replace it with the following:*

#### **1-07.2 State Sales Tax**

*(June 27, 2011 APWA GSP)*

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

#### **1-07.2(1) State Sales Tax — Rule 171**

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the

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Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

**1-07.2(2) State Sales Tax — Rule 170**

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

**1-07.2(3) Services**

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

**1-07.7 Load Limits**

*This section is supplemented with the following:*

*(March 13, 1995 WSDOT GSP, Option 6)*

If the sources of materials provided by the Contractor necessitate hauling over roads other than State Highways, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

**1-07.17 Utilities and Similar Facilities**

*Section 1-07.17 is supplemented with the following:*

*(April 2, 2007 WSDOT GSP, Option 1)*

Locations and dimensions shown on the Plans of existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

The following telephone numbers and/or email of utility companies known or suspected of having facilities within the project limits are supplied for the Contractor's convenience:

Jeff Davis (City of Fircrest Utility M&O)	(253) 564-8900
Glen Yotter (City of Tacoma Signal)	(253) 593-7742
Eric Charity (CenturyLink)	Eric.Charity1@centurylink.com

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Amber Uhls, PM (PSE Gas)	(425) 495-1062
Eric Hampton, PM Designer (PSE Gas)	(425) 424-6638
Jim Lecompte (Comcast)	(253) 896-5688
Tony Daniels (Tacoma Power)	(253) 502-8076
Greg Netcher (Tacoma CLICK!)	(253) 370-4415
Buried Cable Locating Assistance	(800) 424-5555

**1-07.18 Public Liability and Property Damage Insurance**

*Delete this section in its entirety, and replace it with the following:*

**1-07.18 Insurance**

*(January 4, 2024 APWA GSP)*

**1-07.18(1) General Requirements**

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.
- C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.
- E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

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- F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency
- G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.
- I. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A "wrap up policy" is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

**1-07.18(2) Additional Insured**

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

- the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

**1-07.18(3) Subcontractors**

The Contractor shall cause each subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by subcontractors.

The Contractor shall ensure that all subcontractors of every tier add all entities listed in 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

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**1-07.18(4) Verification of Coverage**

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand such verification of coverage with these insurance requirements or failure of Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

**1-07.18(5) Coverages and Limits**

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

**1-07.18(5)A Commercial General Liability**

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

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\$2,000,000	Each Occurrence
\$3,000,000	General Aggregate
\$3,000,000	Products & Completed Operations Aggregate
\$2,000,000	Personal & Advertising Injury each offence
\$2,000,000	Stop Gap / Employers' Liability each accident

**1-07.18(5)B Automobile Liability**

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:

\$1,000,000	Combined single limit each accident
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**1-07.18(5)C Workers' Compensation**

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

**1-07.23 Public Convenience and Safety**

**1-07.23(1) Construction Under Traffic**

(\*\*\*\*\*)

*Section 1-07.23(1) is supplemented with the following:*

For the purpose of this section:

The following restrictions shall apply to temporary traffic control lane closures:

1. No intersection closure shall be allowed.
2. Maintain two lane traffic in each direction during non-working hours.

**1-07.24 Rights of Way**

*(July 23, 2015 APWA GSP)*

*Delete this section and replace it with the following:*

Street Right of Way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits, unless arrangements for use of private property are made.

Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.

Whenever any of the work is accomplished on or through property other than public Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement agreement obtained by the Contracting Agency from the owner of the private property. Copies

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of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

Each property owner shall be given 48 hours notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

### **1-08 PROSECUTION AND PROGRESS**

*Add the following new section:*

#### **1-08.0 Preliminary Matters**

*(May 25, 2006 APWA GSP)*

*Add the following new section:*

#### **1-08.0(1) Preconstruction Conference**

*(July 8, 2024 APWA GSP)*

Prior to the Contractor beginning the work, a preconstruction conference will be held between the Contractor, the Engineer and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;

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4. To review DBE Requirements, Training Plans, and Apprenticeship Plans, when applicable.
5. To establish normal working hours for the work;
6. To review safety standards and traffic control; and
7. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;
2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

*Add the following new section:*

### **1-08.0(2) Hours of Work**

(\*\*\*\*\*)

Maximum allowable working hours are 7AM to 7PM, Monday thru Friday.

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between Monday through Saturday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference and will be based on the approved traffic control plans.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 3 days prior to the day(s) the Contractor is requesting to change the hours.

If the Contracting Agency approves such a deviation, such approval may be subject to certain other conditions, which will be detailed in writing. For example:

1. The Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.

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4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

**1-08.1 Subcontracting**

*(December 30, 2022 APWA GSP, Option A)*

*Section 1-08.1 is supplemented with the following:*

Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor has been executed. This certification shall also guarantee that these subcontract agreements include all the documents required by the Special Provision Federal Agency Inspection.

A subcontractor or lower tier subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:

1. Request to Sublet Work (WSDOT Form 421-012), and
2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (WSDOT Form 420-004).

The Contractor shall submit to the Engineer a completed Monthly Retainage Report (WSDOT Form 272-065) within 15 calendar days after receipt of every monthly progress payment until every subcontractor and lower tier subcontractor's retainage has been released.

The Contractor's records pertaining to the requirements of this Special Provision shall be open to inspection or audit by representatives of the Contracting Agency during the life of the contract and for a period of not less than three years after the date of acceptance of the contract. The Contractor shall retain these records for that period. The Contractor shall also guarantee that these records of all subcontractors and lower tier subcontractors shall be available and open to similar inspection or audit for the same time period.

**1-08.1(7)A Payment Reporting**

*(January 4, 2024 APWA GSP)*

*Revise this section to read: "Vacant".*

**1-08.3 Progress Schedule**

**1-08.3(2) Progress Schedule Types**

**1-08.3(2)A Type A Progress Schedule**

*(\*\*\*\*\*)*

*Revise this section to read:*

The Contractor shall submit 5 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule

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format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and accept or return the schedule for corrections within 15 calendar days of receiving the submittal. Type A Progress Schedule must include Traffic Control Plans . At a minimum the following items shall be shown on the Schedule:

- Removal of pavement/sidewalk/curbs at each corner intersection
- Placement of concrete at each corner of intersection.
- Paving
- Pavement Markings installation
- Installation of RRFB

Contractor shall submit one electronic copy of the progress schedule to the Engineer in the format it was created in.

### **1-08.5 Time for Completion**

*(December 30, 2022 APWA GSP, Option A)*

*Revise the third and fourth paragraphs to read:*

Contract time shall begin on the first working day following the Notice to Proceed Date.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and all partial or whole days the Engineer declares as unworkable. The statement will be identified as a Written Determination by the Engineer. If the Contractor does not agree with the Written Determination of working days, the Contractor shall pursue the protest procedures in accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

*Revise the sixth paragraph to read:*

The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
  - a. Certified Payrolls (per Section 1-07.9(5)).
  - b. Material Acceptance Certification Documents
  - c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.

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- d. Final Contract Voucher Certification
- e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
- f. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
- g. Property owner releases per Section 1-07.24

Section 1-08.5 is supplemented with the following:

(March 13, 1995 WSDOT GSP Option 7)

This project shall be physically completed within **20 working days**.

**1-08.6 Suspension of Work**

(February 6, 2023 WSDOT GSP)

Section 1-08.6 is supplemented with the following:

Contract time may be suspended for procurement of critical materials (Procurement Suspension). In order to receive a Procurement Suspension, the Contractor shall within 21 calendar days after execution by the Contracting Agency, place purchase orders for all materials deemed critical by the Contracting Agency for physical completion of the contract. The Contractor shall provide copies of purchase orders for the critical materials. Such purchase orders shall disclose the purchase order date and estimated delivery dates for such critical material.

The Contractor shall show procurement of the materials listed below as activities in the Progress Schedule. If the approved Progress Schedule indicates that the materials procurement are critical activities, and if the Contractor has provided documentation that purchase orders are placed for the critical materials within the prescribed 21 calendar days, then contract time will be suspended upon physical completion of all critical work except that work dependent upon the below listed critical materials:

**\*\*\*Rectangular Rapid Flashing Beacon\*\*\***

(\*\*\*\*\*)

The last paragraph is modified to read:

Charging of contract time will resume upon delivery of the critical materials to the Contractor.

**1-08.9 Liquidated Damages**

(March 3, 2021 APWA GSP, Option A)

Replace Section 1-08.9 with the following:

Time is of the essence of the Contract. Delays inconvenience the traveling public, obstruct traffic, interfere with and delay commerce, and increase risk to Highway users. Delays also cost taxpayers undue sums of money, adding time needed for administration, engineering, inspection, and supervision.

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Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of \$1000 for each working day beyond the number of working days established for Physical Completion, and
2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine the Contract Work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, liquidated damages identified above will not apply.

For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

Liquidated damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of liquidated damages will, in any degree, release the Contractor from further obligations and liabilities to complete the entire Contract.

### **1-09 MEASUREMENT AND PAYMENT**

#### **1-09.6 Force Account**

*(December 30, 2022 APWA GSP)*

*Supplement this section with the following:*

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication, that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

#### **1-09.9 Payments**

*(July 8, 2024, APWA GSP, Option B)*

*Delete the fourth paragraph and replace it with the following:*

Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.

The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payment. The progress estimates are subject to change at any time prior to the calculation of the Final Payment.

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The value of the progress estimate will be the sum of the following:

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

Progress payments will be made in accordance with the progress estimate less:

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
2. The amount of Progress Payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

(\*\*\*\*\*)

*Supplement this section with the following:*

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than \$5,000.

### **1-09.11 Disputes and Claims**

#### **1-09.11(3) Time Limitation and Jurisdiction**

*(December 30, 2022 APWA GSP)*

*Revise this section to read:*

For the convenience of the parties to the Contract it is mutually agreed by the parties that all claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that all such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to all such claims or causes of action. It is further mutually agreed by the parties that when claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

### **1-09.13 Claims Resolution**

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**1-09.13(1)A General**

*(December 30, 2022 APWA GSP)*

*Revise this section to read:*

Prior to seeking claims resolution through arbitration or litigation, the Contractor shall proceed in accordance with Sections 1-04.5 and 1-09.11. The provisions of Sections 1-04.5 and 1-09.11 must be complied with in full as a condition precedent to the Contractor's right to seek claim resolution through binding arbitration or litigation.

Any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be resolved, as prescribed herein, through binding arbitration or litigation.

The Contractor and the Contracting Agency mutually agree that those claims or causes of action which total \$1,000,000 or less, which are not resolved by mediation, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

The Contractor and the Contracting Agency mutually agree that those claims or causes of action in excess of \$1,000,000, which are not resolved by mediation, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

**1-09.13(3)A Arbitration General**

*(January 19, 2022 APWA GSP)*

*Revise the third paragraph to read:*

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

**1-09.13(4) Venue for Litigation**

*(December 30, 2022 APWA GSP)*

*Revise this section to read:*

Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. It is mutually agreed by the parties that when litigation occurs, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

**1-10 TEMPORARY TRAFFIC CONTROL**

**1-10.2 Traffic Control Management**

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**1-10.2(1) General**

Section 1-10.2(1) is supplemented with the following:

(October 3, 2022 WSDOT GSP, Option 1)

The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust  
27055 Ohio Ave.  
Kingston, WA 98346  
(360) 297-3035  
<https://www.nwlett.edu/>

Evergreen Safety Council  
12545 135<sup>th</sup> Ave. NE  
Kirkland, WA 98034-8709  
1-800-521-0778  
<https://www.esc.org/>

The American Traffic Safety Services Association  
15 Riverside Parkway, Suite 100  
Fredericksburg, Virginia 22406-1022  
Training Dept. Toll Free (877) 642-4637 Phone: (540) 368-1701  
<https://atssa.com/training>

Integrity Safety  
13912 NE 20th Ave.  
Vancouver, WA 98686  
(360) 574-6071  
<https://www.integritysafety.com/>

US Safety Alliance  
(904) 705-5660  
<https://www.ussafetyalliance.com/>

K&D Services Inc.  
2719 Rockefeller Ave.  
Everett, WA 98201  
(800) 343-4049  
<https://www.kndservices.net/>

**1-10.2(2) Traffic Control Plans**

(\*\*\*\*\*)

Delete the first paragraph and replace it with the following:

The Contractor shall submit a Traffic Control Plan or Plans showing a method of handling traffic. All construction signs, flaggers, spotters, UPO's, and other traffic control devices shall be shown on the Traffic Control Plan(s). Generic WSDOT plans will not be acceptable. The Contractor's proposed Traffic Control Plans shall show the necessary lane closures, lane shifts, construction signs, flaggers, spotters, and other traffic control devices required to support each phase of the construction. A separate plan shall be prepared for each major

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

construction phase. The Traffic Control Plans shall be prepared by the Contractor's Traffic Control Supervisor or an engineer licensed in the State of Washington and shall conform to the requirements contained in the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) and the latest version of the Work Zone Traffic Control Guidelines published by WSDOT.

Traffic Control Plans shall also specify how accessible pedestrian routes shall be maintained through the project site as discussed in Section 1-07.23, and how existing driveway access will be maintained throughout the duration of construction. A specific plan shall be provided for each driveway.

Traffic Control Plan shall specify how Contractor will provide for pedestrian safety while pedestrian signal heads and pushbuttons are disconnected due to construction activities.

Prior to submitting the initial Traffic Control Plans for review by the Engineer, the Contractor shall meet with the Engineer and provide a detailed explanation of his proposed construction schedule, construction phasing, and associated temporary traffic control implementation. The plan must be acceptable to the Engineer prior to the Contractor submitting the initial set of Traffic Control Plans. No construction will be allowed until the Traffic Control Plans are acceptable to and approved by the Engineer.

Payment for developing approved Traffic Control Plans shall be considered incidental to the lump sum price in the Proposal for "Project Temporary Traffic Control" and no additional compensation will be made.

The Contracting Agency will require up to 10 working days for each submittal to review and comment on the Contractor's submitted Traffic Control Plan.

### **1-10.3 Traffic Control Labor, Procedures and Devices**

#### **1-10.3(2) Traffic Control Procedures**

(\*\*\*\*\*)

*Supplement this section with the following:*

In all cases, local and emergency access must be maintained at all times.

All traffic lanes will remain in use during non-working hours.

### **1-10.5 Payment**

#### **1-10.5(1) Lump Sum Bid for Project (No Unit Items)**

(\*\*\*\*\*)

*Supplement this Section with the following:*

"Project Temporary Traffic Control", lump sum.

Costs for layout, installation, removal, and transport of project signage shall be included with the Contract lump sum price for "Project Temporary Traffic Control." This Bid item shall also constitute full compensation for all labor, tools, equipment, and materials necessary and incidental to maintaining temporary driving surface as required by Section 1-07.23(1), traffic and pedestrian control as required throughout the project duration in compliance with the MUTCD including, but not limited to, reflective signage, barricades, lights, traffic cones, and temporary pavement markings.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

No separate payment will be made for preparation of the Traffic Control or Detour Plans. All costs for developing, updating, and implementing Traffic Control or Detour Plans shall be included in "Project Temporary Traffic Control".

No separate payment will be made for materials used to maintain temporary traffic that are not incorporated into the final improvements. Such materials shall be included in and considered incidental to "Project Temporary Traffic Control".

All costs for minimizing drop-offs and maintaining access to existing streets and driveways including, but not limited to, steel sheeting, and channelization devices, shall be included by the Contractor in the lump sum Bid price for "Project Temporary Traffic Control". No additional or separate compensation will be allowed.

The Lump Sum bid item for "Project Temporary Traffic Control" shall cover the cost to provide temporary traffic control for the for each and every working day (the entire contract duration) allowed as defined in Section 1-08.5 of these Special Provisions. The total allowable working days defined for this contract includes sufficient time to complete all work associated with items paid as "Minor Change" and/or as other Force Account items. Should the Contractor complete the work in fewer working days than allowed the Contract Lump Sum item will be paid in full and shall be consider an incentive to the Contractor for early completion.

For additional working days approved via a change order for work that is not identified to be paid by force account, the daily cost for Project Temporary Traffic Control shall be determined by dividing the lump sum Contract price for "Project Temporary Traffic Control" by the original allowed contract working days as defined in Section 1-08.5 of these Special Provisions.

**END OF DIVISION 1**

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**DIVISION 2  
EARTHWORK**

**2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

**2-01.2 Disposal of Usable Material and Debris**

(\*\*\*\*\*)

*Delete the second paragraph and replace it with the following:*

The Contractor shall dispose of all debris in accordance with Disposal Method No. 2 per Section 2-01.2(2).

**2-01.3 Construction Requirements**

**2-01.3(4) Roadside Cleanup**

(\*\*\*\*\*)

*Supplement 2-01.3(4) with the following:*

**2-01.3(4) Cleanup and Restoration**

From time to time throughout the progress of the work, the Contractor, when directed by the Engineer, shall cleanup and remove all refuse and unwanted or unused materials resulting from the work, at the Contractor's expense. If the Contractor fails to do so within 24 hours after the request by the Engineer, the work may be done by the City and the cost thereof be charged to the Contractor and deducted from monies due to the Contractor.

All cleanup shall be performed as specified in the various sections of these Specifications. Final cleanup shall be in accordance with Section 1-04.11.

**2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

**2-02.1 Description**

(\*\*\*\*\*)

*This section is supplemented with the following:*

This work shall consist of removing all materials noted in this section of the Special Provisions as well as any other materials designated for removal on the Plans or necessary for the construction of this project for which a specific Bid item is not provided in the Proposal. The following items shall be included under "Removal of Structures and Obstructions", as well as other items noted on the Plans:

1. Remove and salvage to owner landscape rock boulders SW corner of Electron Way
2. Remove and salvage to owner or dispose of at owner's discretion river rock in existing planter at SW corner of Electron Way.
3. Cut, cap and remove any abandoned irrigation line in conflict with proposed design to a location outside the limits of proposed improvements.
4. Pavement markings shown for removal on the plans.

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Items to be removed, abandoned, or relocated that are identified on the Plans but not specifically called out above shall also be paid for under the lump sum bid item for "Removal of Structures and Obstructions".

In general, the Contractor shall remove and dispose, relocate, or abandon existing items which are in conflict with the new improvements. Where not in conflict, or where not specified for demolition or removal, Contractor shall protect all private and public improvements.

**2-02.3 Construction Requirements**

(\*\*\*\*\*)

*Supplement this section with the following:*

All material removed for the construction of the project which are not intended for reuse shall be hauled off-site to a legal disposal site by the Contractor, with the exception of materials specifically noted for salvage. The Contractor shall determine the requirements of his or her selected disposal site related to accepting the material to be deposited on the site. Testing of the material by the disposal site or refusal of the site to accept the material shall not be the basis for additional payment or for an extension of the Contract time. The cost of all such requirements shall be included in the various Bid prices in the Proposal.

**2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters**

(\*\*\*\*\*)

*Supplement this section with the following:*

Removal shall be accomplished by making a neat longitudinal vertical cut along the boundaries of the area to be removed. All cuts shall be continuous and shall be made with saws specifically equipped for this purpose. No skip cutting will be allowed. Existing sidewalk shall be removed in full panel sections and shall be removed or saw cut at expansion/contraction joints only.

Any pavement that is damaged, and not designated for removal as shown on the Plans or preapproved by the Owner, shall be repaired or replaced entirely at the Contractor's expense.

The length and location of cuts shall be preapproved by the Engineer before cutting of pavement, sidewalk, or curb and gutter.

(\*\*\*\*\*)

*Add the following new sections:*

**2-02.3(6) Adjust Utility to Finished Grade**

Existing utilities such as sanitary sewer manholes, catch basin frames and grates, water valves, gas valves, sewer cleanouts, etc. shall be adjusted to finished grade unless noted otherwise on the Plans. The Contractor shall, prior to the beginning of any work, familiarize himself with the existing utility locations. The Contractor shall adjust City-owned utilities. Final adjustment shall be smooth and flush with finished grade. The Contractor shall mark the location of all utilities prior to paving the new surface.

The Contractor shall inspect all casting prior to any adjustment and notify the owner in writing of any existing damage. The owner will provide casting to replace those which may be

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

damaged prior to construction. The contractor shall provide new replacement casting meeting City standards for any casting damaged during construction.

Existing boxes, rings, grates, valves, and covers shall be inspected by the Owner of the utility prior to reuse. Materials in good condition shall be reset in a careful and workmanlike manner to conform to the new grade. Materials determined to be in unsatisfactory or poor condition shall be disposed of by the Contractor and replaced by the respective utility, for subsequent installation by the Contractor. Any damage occurring due to the Contractor's operations, shall be repaired at the Contractor's own expense. Adjustments shall be made using adjustment rings, risers, or bricks and grout, and the interior of the structure adjustment shall be mortared smoothly and water tight. All covers and frames shall be thoroughly cleaned. The Contractor shall be responsible for referencing and keeping a record of such references of all structures and appurtenances encountered and shall submit a copy of these references to the Engineer.

Structures and appurtenances shall be adjusted to grade per Contract Plans and City of Fircrest Standard Details.

### **2-02.3(7) Saw Cutting**

All pavements, curbs, gutters, sidewalks, and other surfacing materials to be removed shall be saw cut when noted on the Plans.

The Contractor shall be responsible for ensuring that special precautions are undertaken so that no concrete or concrete by-products, or products and by-products used in the saw cut of asphalt or concrete, are discharged into any storm drain or surface water system.

In accordance with the Department of Ecology guidelines, wastewater from Portland cement concrete, masonry, and asphalt concrete cutting operations shall not be discharged to storm drainage systems or surface waters. Cutting operations increase the pH of wastewater, therefore, filtering prior to discharge is **NOT** acceptable.

All wastewater shall be collected using a wet-dry vacuum or pumped into drums for disposal. Disposal of the waste liquid may be to soil or other porous surfaces away from storm drains and surface water, only if the Contractor collects and disposes of remaining sediment after water has filtered into soil or evaporated. Impervious surfaces contaminated with sediment and grit from cutting operations shall be cleaned by sweepers to prevent contaminants from entering the storm drainage system or surface waters when it rains.

Thoroughly clean saw cuts where necessary by the use of high pressure water (1,400 psi or greater). Collecting and disposal of wastewater shall be considered incidental to and included in the various bid items involved with the operation.

### **2-02.4 Measurement**

(\*\*\*\*\*)

*Supplement this Section with the following:*

“Adjust \_\_\_\_\_ to Finished Grade” will be measured per each existing utility adjusted to final grade. Separate measurement will not be made for interim utility adjustments. Adjustments of manholes, catch basins, water valves will be measured under this bid item.

“Cement Conc. Sidewalk Removal Incl. Haul” will be measured by the square yard.

“Curb and Gutter Removal Incl. Haul” will be measured by linear foot.

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“Asphalt Conc. Pavement Removal” shall be measured per square yard, regardless of depth.

**2-02.5 Payment**

(\*\*\*\*\*)

*Supplement this Section with the following:*

“Cement Conc. Sidewalk Removal Incl. Haul”, per square yard.

The unit Contract price per square yard for “Cement Conc. Sidewalk Removal Incl. Haul” shall be full payment for all costs to complete the Work as specified. The costs of sawcutting is included in this payment. The cost of haul and disposal of removed materials are included in this payment.

“Curb and Gutter Removal Incl. Haul”, per linear foot.

The unit Contract price per linear foot for “Curb and Gutter Removal Incl. Haul” shall be full payment for all costs to complete the Work as specified. The costs of sawcutting is included in this payment. The cost of haul and disposal of removed materials are included in this payment.

“Adjust \_\_\_\_\_ to Finished Grade”, per each.

The unit Contract price for “Adjust \_\_\_\_\_ to Finished Grade” shall be full payment for all equipment, tools, labor, and material costs necessary or incidental to adjust the existing utility to finished grade including, but not limited to excavation, new adjustment rings, bricks, risers, grout, finishing, and all other materials required.

“Asphalt Conc. Pavement Removal”, per square yard.

The unit Contract price for “Asphalt Conc. Pavement Removal” per square yard shall be full payment for all equipment, tools, labor, and material costs necessary to remove and dispose of asphalt concrete pavement.

**2-03 ROADWAY EXCAVATION AND EMBANKMENT**

**2-03.5 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

All excavation for the project regardless of nature shall be incidental to and included in the unit contract prices for the various items in the Proposal.

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**2-04 HAUL**

(\*\*\*\*\*)

*Add the following new section:*

**2-04.2 Hauling on Other Than State Highways**

If the sources of materials provided by the Contractor necessitate hauling over roads other than city streets, the Contractor shall, at the Contractor's expense, make all arrangements for the use and cleaning, if necessary, of the haul routes.

No separate measurement or payment will be made for haul of materials into, out of, or within the project site.

**2-11 TRIMMING AND CLEANUP**

**2-11.1 Description**

(\*\*\*\*\*)

*Supplement this Section with the following:*

During construction, and then upon completion of the work, the Contractor shall thoroughly comb and search the surrounding area and remove any construction material thrown or discarded amongst the trees, bushes, ditches, etc., such as paint cans, cartons, broken pipe, pavement pieces, paper, bottles, etc., and shall tidy up the surrounding general area to make it neat in appearance, including removal of debris that may or may not have been deposited by Contractor's operation.

Paved street surfaces shall be thoroughly cleaned (street sweeper) upon completion of work within the area and shall require daily cleaning if dust or mud exists. Prior to job acceptance, all streets shall be cleaned.

**2-11.3 Construction Requirements**

(\*\*\*\*\*)

*Add the following sub-section:*

**2-11.3(1) Routine Cleaning**

**General**

1. Retain all stored materials and equipment in an orderly fashion allowing maximum access, not impeding drainage or traffic, and providing protection.
2. Do not allow the accumulation of scrap, debris, waste material, and other items not required for this work.
3. At least twice each month, and more often if necessary or as directed by the Construction Inspector, the Contractor shall completely remove all scrap, debris, and waste material from the project site.

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4. Provide adequate storage for all materials awaiting removal from the project site, observing all requirements for fire protection and protection of the environment.

**Site**

1. Daily and more often if necessary or as directed, inspect the site and pick up all scrap, debris, and waste material. Remove all such items to the place designated for their storage until it can be disposed of.
2. Weekly and more often if necessary or directed, inspect all arrangements of materials stored on the site, restack, tidy, or otherwise service all arrangements to meet the requirements above.
3. Always maintain the site in a neat and orderly condition so as to meet the approval of the Owner.

(\*\*\*\*\*)

*Add the following new sub-section:*

**2-11.3(2) Final Cleaning**

Prior to final inspection, remove from the job site, all tools, surplus materials, equipment, scrap, debris, and waste.

**2-11.5 Payment**

(\*\*\*\*\*)

*Delete this section and replace it with the following:*

No separate payment will be made for trimming and cleanup or roadside cleanup, but instead will be included in the lump sum item for "Property Restoration".

**END OF DIVISION 2**

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**DIVISION 3  
AGGREGATE PRODUCTION AND ACCEPTANCE**

**3-01 PRODUCTION FROM QUARRY AND PIT SITES**

**3-01.4 Contractor Furnished Material Sources**

(\*\*\*\*\*)

*Supplement this section with the following:*

No source has been provided for any imported materials necessary for the construction of this improvement.

The Contractor shall make arrangements to obtain the necessary materials at no expense to the City, and all costs of acquiring, producing, and placing this material in the finished work shall be included in the unit Contract prices for the various items involved.

If the source of materials provided by the Contractor necessitates hauling over roads other than City streets, the Contractor at it's own expense shall make all arrangements for the use of haul routes.

**3-01.6 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

All costs of any work required under Division 3 shall be incidental to and included in the unit contract prices for the various items in the Proposal.

**END OF DIVISION 3**

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**DIVISION 4  
BASES**

**4-04 BALLAST AND CRUSHED SURFACING**

**4-04.1 Description**

(\*\*\*\*\*)

*Supplement this section with the following:*

Crushed surfacing shall be placed as required under pavement, sidewalks, and curb and gutter as shown in the Plans. Crushed surfacing shall be placed in accordance with the Standard Specifications and as shown in the Plans or as designated by the Engineer.

**4-04.4 Measurement**

(\*\*\*\*\*)

*Delete the second paragraph and replace with the following*

The basis of measurement for “Crushed Surfacing Top Course” will be by the ton based on certified truck tickets collected by the inspector at the end of each working day. Tickets will be accepted for payment after the end of each working day only when prior arrangements have been made with the Inspector.

Water used in placing and compacting surfacing materials will not be measured for payment and shall be incidental to Crushed Surfacing Top Course Bid Item.

**4-04.5 Payment**

(\*\*\*\*\*)

*Delete the second paragraph and replace with the following:*

“Crushed Surfacing Top Course”, per ton.

The Contract Bid prices for “Crushed Surfacing Top Course” shall be full compensation for all labor, material, tools, and equipment necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions. Work elements shall include, but not be limited to, purchasing; procuring; hauling; placing; grading; and compacting crushed surfacing material.

**END OF DIVISION 4**

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**DIVISION 5  
SURFACE TREATMENTS AND PAVEMENTS**

**5-04 HOT MIX ASPHALT**

(\*\*\*\*\*)

Delete Section 5-04, Hot Mix Asphalt, and replace it with the following:

**5-04.1 Description**

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

**5-04.2 Materials**

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement (RAP)	9-03.8(3)B, 9-03.21
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B, 9-03.21
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of HMA. The RAP may be from pavements removed under the Contract, if any, or pavement material from an existing stockpile.

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP.

If the Contractor wishes to utilize High RAP/Any RAS, the design must be listed on the WSDOT Qualified Products List (QPL).

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The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder from different sources is not permitted.

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

Production of aggregates shall comply with the requirements of Section 3-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.

### **5-04.2(1) How to Get an HMA Mix Design on the QPL**

If the Contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

#### **5-04.2(1)A Vacant**

### **5-04.2(2) Mix Design - Obtaining Project Approval**

No paving shall begin prior to the approval of the mix design by the Engineer.

**Nonstatistical** evaluation will be used for all HMA not designated as Commercial HMA in the Contract documents.

**Commercial** evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

**Nonstatistical Mix Design.** Fifteen days prior to the first day of paving the Contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program

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(AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for >3 million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

**Commercial Evaluation Mix Design.** Approval of a mix design for “Commercial Evaluation” will be based on a review of the Contractor’s submittal of WSDOT Form 350-042 (for commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of ESALs appropriate for the required use.

### **5-04.2(2)B Using Warm Mix Asphalt Processes**

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer’s approval using WSDOT Form 350-076 to describe the proposed additive and process.

### **5-04.3 Construction Requirements**

#### **5-04.3(1) Weather Limitations**

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

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**Minimum Surface Temperature for Paving**

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F

**5-04.3(2) Paving Under Traffic**

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed, and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements, except the cost of temporary pavement markings, shall be included in the unit Contract prices for the various Bid items involved in the Contract.

**5-04.3(3) Equipment**

**5-04.3(3)A Mixing Plant**

Plants used for the preparation of HMA shall conform to the following requirements:

- 1. Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.
- 2. Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed

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line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.

3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.
4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).
5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:
  - a. A mechanical sampling device attached to the HMA plant.
  - b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

### **5-04.3(3)B Hauling Equipment**

Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of canvas or other suitable material of sufficient size to protect the mixture from adverse weather. Whenever the weather conditions during the work shift include, or are forecast to include precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect the HMA.

The Contractor shall provide an environmentally benign means to prevent the HMA mixture from adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

### **5-04.3(3)C Pavers**

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

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The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.

The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

### **5-04.3(3)D Material Transfer Device or Material Transfer Vehicle**

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, unless otherwise required by the Contract.

Where an MTD/V is required by the Contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

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To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
2. Shall not be connected to the hauling vehicle or paver.
3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.
2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

### **5-04.3(3)E Rollers**

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

### **5-04.3(4) Preparation of Existing Paved Surfaces**

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

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Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

### **5-04.3(4)A Crack Sealing**

When the Proposal includes a pay item for crack sealing, seal cracks in accordance with Section 5-03.

### **5-04.3(4)B Vacant**

### **5-04.3(4)C Pavement Repair**

The Contractor shall excavate pavement repair areas and shall backfill these with HMA in accordance with the details shown in the Plans and as marked in the field. The Contractor shall conduct the excavation operations in a manner that will protect the pavement that is to remain. Pavement not designated to be removed that is damaged as a result of the Contractor's operations shall be repaired by the Contractor to the satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall excavate only within one lane at a

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time unless approved otherwise by the Engineer. The Contractor shall not excavate more area than can be completely finished during the same shift, unless approved by the Engineer.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.

### **5-04.3(5) Producing/Stockpiling Aggregates and RAP**

Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

### **5-04.3(5)A Vacant**

### **5-04.3(6) Mixing**

After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping additives have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials is ensured.

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall

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indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

**5-04.3(7) Spreading and Finishing**

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1"	0.35 feet
HMA Class ¾" and HMA Class ½"	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class ⅜"	0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

**5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA**

For HMA accepted by nonstatistical evaluation, the aggregate properties of sand equivalent, uncompacted void content, and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

**5-04.3(9) HMA Mixture Acceptance**

Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

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Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in accordance with this section.

**HMA Tolerances and Adjustments**

- 1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

For Aggregates in the mixture:

- a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", ¾", ½", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/-6%	+/- 8%
No. 8 Sieve	+/- 6%	+/-8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

- b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.

- 2. **Job Mix Formula Adjustments** – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.

- a. **Aggregates** –2 percent for the aggregate passing the 1½", 1", ¾", ½", ⅜", and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for

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the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

- b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent.

**5-04.3(9)A          Vacant**

**5-04.3(9)B          Vacant**

**5-04.3(9)C          Mixture Acceptance – Nonstatistical Evaluation**

HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.

**5-04.3(9)C1          Mixture Nonstatistical Evaluation – Lots and Sublots**

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production or 800 tons, whichever is less except that the final subplot will be a minimum of 400 tons and may be increased to 1200 tons.

All of the test results obtained from the acceptance samples from a given lot shall be evaluated collectively. If the Contractor requests a change to the JMF that is approved, the material produced after the change will be evaluated on the basis of the new JMF for the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

Sampling and testing for evaluation shall be performed on the frequency of one sample per subplot.

**5-04.3(9)C2          Mixture Nonstatistical Evaluation Sampling**

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are less than 400 tons is at the discretion of the Engineer.

For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

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- If the test results are found to be within specification requirements, additional testing will be at the Engineer’s discretion.
- If test results are found not to be within specification requirements, additional testing of the remaining samples to determine a CPF shall be performed.

**5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing**

Testing of HMA for compliance of  $V_a$  will at the option of the Contracting Agency. If tested, compliance of  $V_a$  will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

**5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors**

For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will determine a CPF using the following price adjustment factors:

Table of Price Adjustment Factors	
Constituent	Factor “f”
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids ( $V_a$ ) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

**5-04.3(9)C5 Vacant**

**5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments**

For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The total job mix

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compliance price adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

### **5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests**

The Contractor may request a subplot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency,  $V_a$ . The results of the retest will be used for the acceptance of the HMA in place of the original subplot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of \$500 per sample.

### **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

### **5-04.3(10) HMA Compaction Acceptance**

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

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Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item "Roadway Core", the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item "Roadway Core", the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

### **Test Results**

For a subplot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the subplot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the subplot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the subplot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results

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of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of \$200 per core and the Contractor shall pay for the cost of the traffic control.

### **5-04.3(10)A HMA Compaction – General Compaction Requirements**

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

### **5-04.3(10)B HMA Compaction - Cyclic Density**

Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A \$500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

### **5-04.3(10)C Vacant**

### **5-04.3(10)D HMA Nonstatistical Compaction**

#### **5-04.3(10)D1 HMA Nonstatistical Compaction - Lots and Sublots**

HMA compaction which is accepted by nonstatistical evaluation will be based on acceptance testing performed by the Contracting Agency dividing the project into compaction lots.

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production or 400 tons, whichever is less except that the final subplot will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of 5 tests per subplot per WSDOT T 738.

The subplot locations within each density lot will be determined by the Engineer. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions

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from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

### **5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing**

The location of the HMA compaction acceptance tests will be randomly selected by the Engineer from within each subplot, with one test per subplot.

### **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

For each compaction lot with one or two sublots, having all sublots attain a relative density that is 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price with no further evaluation. When a subplot does not attain a relative density that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For compaction below the required 92%, a Non-Conforming Compaction Factor (NCCF) will be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

### **5-04.3(11) Reject Work**

#### **5-04.3(11)A Reject Work General**

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

#### **5-04.3(11)B Rejection by Contractor**

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

#### **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

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No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

### **5-04.3(11)D Rejection - A Partial Sublot**

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

### **5-04.3(11)E Rejection - An Entire Sublot**

An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a minimum of two additional random samples from this sublot will be obtained. These additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

### **5-04.3(11)F Rejection - A Lot in Progress**

The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

1. When the CPF of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PF for any constituent or the CPF of a lot in progress is less than 0.75.

### **5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)**

An entire lot with a CPF of less than 0.75 will be rejected.

### **5-04.3(12) Joints**

#### **5-04.3(12)A HMA Joints**

#### **5-04.3(12)A1 Transverse Joints**

The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly laid mixture

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only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

### **5-04.3(12)A2 Longitudinal Joints**

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than  $\frac{1}{2}$  of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

### **5-04.3(12)B Bridge Paving Joint Seals**

Bridge Paving Joint Seals shall be in accordance with Section 5-03.

### **5-04.3(13) Surface Smoothness**

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than  $\frac{1}{8}$  inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than  $\frac{1}{4}$  inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

1. Removal of material from high places by grinding with an approved grinding machine, or
2. Removal and replacement of the wearing course of HMA, or
3. By other method approved by the Engineer.

Correction of defects shall be carried out until there are no deviations anywhere greater than the allowable tolerances.

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Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of \$500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

When utility appurtenances such as manhole covers and valve boxes are located in the traveled way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This requirement may be waived when requested by the Contractor, at the discretion of the Engineer or when the adjustment details provided in the project plan or specifications call for utility appurtenance adjustments after the completion of paving.

Utility appurtenance adjustment discussions will be included in the Pre-Paving and Pre-Planing Briefing (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

### **5-04.3(14) Planing Bituminous Pavement**

All areas which are planed shall have a minimum of 2-inch of HMA placed before the end of the work shift. Exposed gravel subgrade will not be allowed during non-working hours.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the subgrade surface to the line and grades shown on the plans to remove irregularities. Upon completion of the initial grinding/planing operations the exposed subgrade shall be shaped to produce a smooth subgrade acceptable for receiving an HMA overlay. Depending on the grinding operations pieces of pavement may which can not be compacted to be flush with the proposed subgrade shall be removed.

Approval of subgrade material shall be based on visual inspection by the Engineer. Remove all rock larger than 3 inches and all deleterious material.

Approval of compaction of subgrade will be based on density of the compacted Material acceptable to the Engineer will be determined as follows: After each pass of the vibratory roller, nuclear densometer readings of the compacted Material will be taken to a depth of 4-inches. These nuclear densometer readings will be taken at several locations so as to determine a relationship indicating "Measured Density" vs. "Number of Passes" of the vibratory roller. When the change in density readings between successive passes of the roller at a given test location increases by less than 2 percent of the previous density reading at that same location then the compaction of the Material at that location is considered acceptable

The Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

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**5-04.3(14)A Pre-Planing Metal Detection Check**

Before starting planing of pavements, and before any additional depth planing required by the Engineer, the Contractor must conduct a physical survey of existing pavement to be planed with equipment that can identify hidden metal objects.

Should such metal be identified, promptly notify the Engineer.

See Section 1-07.16(1) regarding the protection of survey monumentation that may be hidden in pavement.

The Contractor is solely responsible for any damage to equipment resulting from the Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's failure to notify the Engineer of any hidden metal that is detected.

**5-04.3(14)B Paving and Planing Under Traffic**

**5-04.3(14)B1 General**

In addition, the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:

a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.

c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.

d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.

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- e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.
2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
3. Permanent pavement marking must comply with Section 8-22.

### **5-04.3(14)B2 Submittals - Planing Plan and HMA Paving Plan**

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.

The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where police officers will be stationed when signalization is or may be, countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.
2. A copy of each intersection's traffic control plan.
3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA supplier facilities to be used.
5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include

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the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.

8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.

### **5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing**

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:
  - a. The actual times of starting and ending daily operations.
  - b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.
  - c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.
  - d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.
  - e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.
  - f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

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- g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.
- h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
- i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
- j. Other items the Engineer deems necessary to address.

### 2. Paving – additional topics:

- a. When to start applying tack and coordinating with paving.
- b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.
- c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.
- d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.
- e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

### **5-04.3(15) Sealing Pavement Surfaces**

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

### **5-04.3(16) HMA Road Approaches**

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

### **5-04.4 Measurement**

HMA Cl. 1/2" PG 58-22 will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component

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of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

“Planing Bituminous Pavement, Incl. Haul” will be measured by the square yard.

**5-04.5 Payment**

Payment will be made for each of the following Bid items that are included in the Proposal:

“HMA Cl. ½” PG 58-22”, per ton.

The unit Contract price per ton for “HMA Cl. ½” PG 58-22” shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

**END OF DIVISION 5**

**DIVISION 8  
MISCELLANEOUS CONSTRUCTION**

**8-01            EROSION CONTROL AND WATER POLLUTION CONTROL**

**8-01.1            Description**

(\*\*\*\*\*)

*Supplement this Section with the following:*

This work shall include the preparation and implementation of a Temporary Erosion and Sedimentation Control (TESC) Plan by the Contractor for this contract. Implementation of appropriate TESC BMP's at the appropriate construction phases is very important to prevent siltation of the subgrade, aggregate courses, and final pavement. The Contractor shall install and maintain all temporary and permanent erosion control measures and Best Management Practices (BMPs) in accordance with the Bid Documents, Plans, Standard Specifications, and Permit Conditions. Contractor shall install inlet protection were shown in the Plans.

Such measures may include, but are not necessarily limited to:

- Erosion and water pollution control for stockpiled materials
- Straw mulch, netting and tackifier
- Baker tanks
- Temporary construction entrance / exit
- Inlet protection on existing and proposed drainage structures
- Reinforced silt fencing
- Plastic Covering
- Temporary HMA Curb
- Disposal of sediments and materials
- Maintenance of BMPs including in the event of emergencies and as weather and field conditions dictate; and also including installation of additional BMPs which may become required as field and weather conditions evolve.
- Street sweeping and cleaning.
- ESC Lead per 8-01 of the Standard Specifications
- All materials, tools and equipment necessary to meet these requirements.

**8-01.3            Construction Requirements**

(\*\*\*\*\*)

*Supplement this Section with the following:*

The Contractor shall bear sole responsibility for damage to completed portions of the project and to property located off the project caused by erosion, siltation, runoff, or other related items during the construction of the project. The Contractor shall also bear sole responsibility for any pollution of rivers, streams, groundwater, or other water that may occur as a result of construction operations.

Any area not covered with established, stable vegetation where no further work is anticipated for a period of 15 days, shall be immediately stabilized with the approved erosion and sedimentation control methods (e.g., seeding and mulching, straw). Where seeding for

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temporary erosion control is required, fast germinating grasses shall be applied at an appropriate rate (e.g., perennial rye applied at approximately 80 pounds per acre).

At no time shall more than 1 foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned at a time designated by the Engineer. The cleaning operation shall not flush sediment-laden water into the downstream system. The cleaning shall be conducted using an approved vacuum truck capable of jet-rodding the lines. The collection and disposal of the sediment shall be the responsibility of the Contractor at no cost to the Contracting Agency.

Inlet Protection shall be installed prior to the commencement of construction activities.

**8-01.3(1)A Submittals**

(\*\*\*\*\*)

*Supplement this Section with the following:*

The Contractor shall submit site specific Temporary Erosion and Sediment Control (TESC) Plan to the Engineer as a Type 2 Working Document 5 days prior to the preconstruction conference. Clearing, grubbing, and demolition activities may not commence until the TESC Plan has been approved by the Engineer.

TESC Plan shall meet requirements of the most current version of the WSDOT Temporary Erosion and Sediment Control Manual.

**8-01.3(8) Street Cleaning**

(\*\*\*\*\*)

*Delete the third and fourth paragraphs and replace with the following:*

Contractor shall have a vacuum sweeper available, full-time, for the duration of the project and shall sweep all surfaced areas within the project limits daily at the completion of each day's activities or more often as directed by the Engineer. Power sweepers shall be equipped with vacuum capability. Power sweepers are not acceptable. Street washing (flushing) with water will not be permitted.

If the Contractor fails to provide a full-time vacuum sweeper and keep the roadway acceptably clean, the Contracting Agency may elect to perform this work and deduct the cost of the work from payments due or coming due the Contractor.

**8-01.3(9)D Inlet Protection**

(\*\*\*\*\*)

*Supplement this Section with the following:*

Inlet protection shall be Below Inlet Grate Device and shall be installed prior to clearing, grubbing or earthwork activities. Inlet Protection inserts shall be installed on existing catch basin within the project area and those immediately downstream of the project site that could potentially receive sediment laden runoff from the site. Inlet Protection shall be installed and meet the requirements of WSDOT Standard Plan I-40.20-00. Simply placing a piece of geotextile under the catch basin grate is not acceptable.

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**8-01.4 Measurement**

(\*\*\*\*\*)

*Supplement this Section with the following:*

No specific unit of measurement shall apply to "Erosion Control and Water Pollution Prevention".

No separate measurement shall be made for Inlet Protection but it shall be included in lump sum bid item "Erosion Control and Water Pollution Prevention".

**8-01.5 Payment**

(\*\*\*\*\*)

*Supplement this Section with the following:*

"Erosion Control and Water Pollution Prevention", lump sum.

The lump sum Contract price for "Erosion Control and Water Pollution Prevention" shall be full compensation for all labor, materials, tools, and equipment necessary to the installation, maintenance, repair, and removal of erosion and sediment control facilities as specified on the Plans, these Special Provisions, and Standard Specifications, or as required by the Inspector.

"Erosion Control and Water Pollution Prevention" shall also be full compensation for all labor, materials, tools, and equipment necessary to install, maintain, and remove Inlet Protection. Installation, repair, maintenance, and removal of erosion control facilities shall be considered incidental to "Erosion Control and Water Pollution Prevention".

**8-02 ROADSIDE RESTORATION**

**8-02.1 Description**

(\*\*\*\*\*)

*Supplement this section with the following:*

This work consists of restoring areas disturbed during construction activities or in newly created planter areas by placing and grading topsoil, applying sod to restore lawns and other areas, and placing and grading bark mulch in landscaped areas.

**8-02.2 Materials**

(\*\*\*\*\*)

*Supplement this section with the following:*

Topsoil Type A	Section 9-14.2
Bark or Wood Chip Mulch	Section 9-14.5(3)

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**8-02.3 Construction Requirements**

(\*\*\*\*\*)

*Supplement this section with the following:*

Contractor may elect to save and reuse existing ground cover, sod, bark and mulch with Engineer approval. Materials must be separated, stored, and protected from the elements until reuse. Properties must be restored to as close to existing conditions as possible. New bark or woodchip mulch shall match existing bark or woodchip mulch.

Prior to disturbing any areas behind the existing curbs and sidewalk the Contractor shall take pictures or video of the existing conditions. Upon completion of all sidewalk and curbs the areas behind shall be restored to match the pre-construction conditions.

**8-02.4 Measurement**

(\*\*\*\*\*)

*Supplement this section with the following:*

No specific unit of measure shall apply to the lump sum bid item of "Property Restoration".

**8-02.5 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

"Property Restoration", per lump sum.

The Contract Bid item "Property Restoration" Lump Sum shall include all equipment, labor and materials to satisfactorily complete restoration activities behind the back of curb, edge of pavement or back of walk that is necessary to restore the surface to match the pre-construction conditions or the proposed conditions to include but not limited to topsoil, bark mulch, sod, or private landscaping improvements.

**8-14 CEMENT CONCRETE SIDEWALKS**

**8-14.3 Construction Requirements**

(\*\*\*\*\*)

*Supplement this section with the following:*

The Contractor shall have the subgrade prepared and the line or formwork for sidewalk placed at least 24 hours prior to installing cement concrete sidewalks, pads, or slabs. Compliance shall be checked by the prime Contractor when forms are set and when concrete is poured. Any modification of grading from that shown on the Plans as required for ADA compliance shall be approved by the Engineer. Minor adjustment shall be considered changes in the Plan elevations or offsets of 3 inches or less. The work to revise the lines, formwork and subgrade for minor adjustments shall be considered incidental to the bid price for cement concrete sidewalk. If the lines and formwork are not in conformance with the Plans all adjustments, regardless of size, shall be at the sole expense of the Contractor. Adjustments to the lines and grades shall not constitute a basis for claims for additional contract time or expenses.

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**8-14.4 Measurement**

(\*\*\*\*\*)

*Supplement this section with the following:*

“Cement Conc. Curb Ramp” shall be measured by square foot for the landing and associated wings/ramp.

**8-14.5 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

“Cement Concrete Curb Ramp”, per square foot.

This bid item will be paid for per square foot of completed curb ramp landing and wings/ramp installed and includes construction of cast-in-place detectable warning surfaces.

**8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL**

**8-20.1 Description**

(\*\*\*\*\*)

*This section is supplemented with the following:*

**Rectangular Flashing Beacon Systems (RRFB), Complete**

The Contractor shall furnish and install all materials and equipment necessary, including but not limited to poles, foundations, RRFB systems, including controllers, solar panels, signs, conductors, pedestrian push button assemblies, permits, inspections, testing and to provide complete systems as shown on the Plans. The system shall comply with the Plans and these Specifications at the following location:

- Intersection of Electron Way & Contra Costa Ave

This Work also consists of constructing accessible pedestrian facilities in accordance with details shown in the Plans, Standard Plans, these Specifications, the latest PROWAG guidelines, and in conformance with the Plans or as established by the Engineer.

The location of all features shown on the Plans is approximate and it is the Contractor's responsibility to verify all signal related equipment locations in the field prior to construction.

**8-20.1(1) Regulations and Code**

(\*\*\*\*\*)

*Supplement this section with the following:*

All materials and methods required under this section, unless otherwise superseded herein, shall conform to the latest edition of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction (herein referred to as Standard Specifications), to the latest edition of the State of Washington Standard Plans for Road, Bridge, and Municipal Construction (herein referred to as the Standard Plans), to the

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State of Washington Sign Fabrication Manual, to the City of Fircrest Guidelines, to the latest edition of the National Electric Code (NEC), and to the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) as adopted by the State of Washington.

### **8-20.1(3) Permitting and Inspections**

(\*\*\*\*\*)

*Supplement this section with the following:*

The Electrical Inspector shall inspect and approve the electrical portions of the project. Before work begins, the Contractor shall contact the Department of Labor and Industries to coordinate a schedule of electrical inspection. This project shall be accomplished in compliance with WAC 296-46B-040 Traffic Management Systems. This project shall conform to the current adopted version of the NEC. When electrical inspection of work is required, the Contractor shall notify the Electrical Inspector a minimum of two (2) calendar days in advance. The Electrical Inspector's inspection and approval of all electrical work is required before final acceptance of the project. All costs to obtain and comply with electrical permits shall be included in the applicable bid items for the work involved.

*Add the following new subsections:*

### **8-20.1(4) Errors and Omissions**

The Contractor shall immediately notify the Engineer upon discovery of any errors or omissions in the Contract Documents, in the layout as given by survey points and instructions, or of any discrepancy between the Contract Documents and the physical conditions of the locality. If deemed necessary, the Engineer shall rectify the matter and advise the Contractor accordingly. Any work done after such discovery without authorization by the Engineer will be done at the Contractor's risk.

### **8-20.1(5) Warranties**

The Contractor shall provide a warranty for all material to be furnished under this Bid for a period of 1 year, unless otherwise specified, from the date of actual turn-on. The warranty shall apply to all material including those items not manufactured by the Contractor. The warranty shall provide that all material at the time of delivery shall be free from defects in material and workmanship and shall be fit for the uses set forth in these Specifications. The warranty shall assign responsibility to the Contractor for all costs of replacement or repair of defective materials except those materials supplied by the City. Replacement or repair shall be made within 5 working days following notification of a discrepancy.

### **8-20.2 Materials**

(\*\*\*\*\*)

*Supplement this section with the following:*

All materials shall be handled in loading, unloading and erecting in such a manner that they will not be damaged. Any parts that are damaged due to the Contractor's operations shall be repaired or replaced at the Contractor's expense. All repairs shall be to the approval of the Engineer.

The Engineer reserves the right to inspect the manufacturing process of all materials. Final inspection and acceptance of the installed materials will not be given until final installation and

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

testing has been completed on the systems. Approval to install materials and equipment must be obtained from the Engineer at the job site before installation.

When submitting material lists for approval, the Contractor shall identify all revisions or changes to manufacturer names, component names, and model numbers listed in these Special Provisions. The Contractor shall also include a brief justification for the revision or change.

### **8-20.2(1) Equipment List and Drawings**

(\*\*\*\*\*)

*Supplement this section with the following:*

Manufacturer's technical information shall be submitted for all pedestrian button systems, RRFB systems, mounting hardware, poles, and all other items to be used on the Project. All approvals by the Engineer must be received by the Contractor before material will be allowed on the job site.

The Engineer shall have 14 calendar days to review information for each submittal that is made.

Approval of shop drawings does not constitute final acceptance or guarantee of the material but is solely to assist the Contractor in providing the specified materials.

All materials to be approved for the electrical systems shall be submitted in a single package.

### **8-20.3 Construction Requirements**

#### **8-20.3(2) Excavating and Backfilling**

(\*\*\*\*\*)

*Supplement this section with the following:*

Underground utilities of record will be shown on the construction plans insofar as information is available. These, however, are shown for convenience only and the City assumes no responsibility for improper locations or failure to show utility locations on the construction plans.

The location of existing underground utilities, when shown on the plans, is approximate only, and the Contractor shall be responsible for determining their exact location. The Contractor shall check with the utility companies concerning any possible conflict prior to commencing excavation in any area, as not all utilities may be shown on the plans.

The Contractor shall be entirely responsible for coordination with the utility companies and arranging for the movement or adjustment, either temporary or permanent, of their facilities within the project limits.

If a conflict is identified, the Contractor shall contact the Engineer. The Contractor and City shall locate alternative locations for poles. The Contractor shall get approval from the Engineer prior to installation.

Before beginning any excavation work for foundations, the contractor shall confirm that the location proposed on the Contract Plans does not conflict with utility location markings placed on the surface by the various utility companies. If a conflict is identified, the following process shall be used to resolve the conflict:

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

1. Contact the Engineer and determine if there is an alternative location for the foundation.
2. If an adequate alternate location is not obvious for the underground work, select a location that may be acceptable and pothole to determine the exact location of other utilities. Potholing must be approved by the Engineer.
3. If an adequate alternate alignment still cannot be identified following potholing operations, the pothole area should be restored and work in the area should stop until a new design can be developed.

The Contractor shall not attempt to adjust the location of an existing utility unless specifically agreed to by the utility owner.

### **8-20.3(4) Foundations**

(\*\*\*\*\*)

*Supplement this section with the following:*

#### **General Requirements**

All excess materials shall be removed from the construction site and disposed of at the Contractor's expense.

Concrete foundations shall be placed against undisturbed earth if possible. CDF shall be used to backfill around pole foundations that are not placed against undisturbed earth. Before placing the concrete, the Contractor shall block out around any other underground utilities that lie in the excavated base so that the concrete will not adhere to the utility line. Concrete shall be promptly cleaned from the exposed portion of the anchor bolts after placement.

After a curing period of 1 week, the Contractor may install the poles on the new foundations.

Location of all concrete foundations shall be approved by the Engineer prior to excavation.

RRFB Pole Foundation shall be per WSDOT Standard Plan J-21.10, except omit breakaway coupling and use bolt circle detail per the Plans. Anchor bolts shall be supplied by RRFB manufacturer and installed per their recommendations.

### **8-20.3(9) Bonding, Grounding**

(\*\*\*\*\*)

*Supplement this section with the following:*

The Contractor shall provide and install supplemental ground conductors connected to foundation rebar as described in the Standard Specifications and the National Electrical Code for all steel sign posts with flashing beacons.

### **8-20.3(11) Testing**

(\*\*\*\*\*)

*Supplement this section with the following:*

All work shall be completed in a manner that provides the inspector and Engineer with full knowledge of the construction. The work shall proceed in accordance with the approved construction schedule previously supplied to and approved by the City of Fircrest. If the work is completed without Inspector's or Engineer's knowledge, they may at their option, ask the Contractor to dismantle the completed work, so that it can be inspected to their satisfaction.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

(\*\*\*\*\*)

*Add the following new subsection:*

**8-20.3(14)F Pedestrian Push Button Assembly**

The Contractor shall furnish and field-install complete APS type pedestrian pushbutton assemblies and signs on the poles as shown on the Plans and these Special Provisions.

Accessible pedestrian facilities shall conform to latest PROWAG guidelines or as established by the Engineer.

The position and orientation of the pedestrian push buttons shall be located as shown on plans; however, final positioning for the optimum effectiveness shall be approved by the Engineer.

**8-20.3(17) “As-Built” Plans**

(\*\*\*\*\*)

*Supplement this section with the following:*

Upon completion of the construction and prior to the turn-on of any traffic control equipment, the Contractor shall furnish an “as-built” plan of the intersection showing pole locations, foundation locations, and miscellaneous equipment, with a special symbol identifying those items that have been changed from the original Contract Drawings. All items shall be located within 1-foot horizontal distance and 6 inches vertical distance above, below, or at the surface.

(\*\*\*\*\*)

*Add the following new subsection:*

**8-20.3(18) Rectangular Rapid Flashing Beacon (RRFB) Systems**

RRFB system shall be per Section 9-29.21 Flashing Beacon of these Special Provisions. Solar powered RRFB systems shall be furnished and installed by the Contractor and shall have ADA compliant push buttons as shown on the Plans. All the components shall be installed per manufacturer’s recommendations and per the Plans, and the method and locations of installation shall be approved by the Engineer in the field prior to drilling holes in the supporting poles.

**8-20.4 Measurement**

(\*\*\*\*\*)

*Supplement this section with the following:*

When shown as lump sum in the Proposal as “RRFB System, Complete” no specific unit of measurement will apply, but measurement will be for the sum total of all items for a complete system to be furnished and installed.

The cost of excavating, backfilling, compaction, and landscape restoration outside of paved areas shall be included in the listed lump sum.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**8-20.5 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

“RRFB System, Complete”, per lump sum.

The lump sum contract price above shall be full pay for the construction of the complete RRFB system, including poles, controllers, solar engines, APS style push buttons, light bars, signs, excavation, backfilling, concrete foundations, wiring, restoring facilities destroyed or damaged during construction, coordinating with Contracting Agency technical staff, all electrical inspections, and for making all required tests. All additional materials and labor, not shown in the Plans or called for herein and which are required to complete the fully functional system, shall be included in the lump sum contract price.

**8-22 PAVEMENT MARKING**

**8-22.1 Description**

(\*\*\*\*\*)

*Supplement this section with the following:*

Work under this section shall apply to installation of pavement markings to replace existing pavement markings.

**8-22.3 Construction Requirements**

(\*\*\*\*\*)

*Supplement this section with the following:*

All plastic and raised pavement markings shall be removed prior to placement of asphalt concrete overlay.

Installation of thermoplastic pavement markings shall be per manufacturer’s installation instructions. New thermoplastic pavement markings may be installed over existing thermoplastic per manufacturer’s instructions and with Engineer’s approval. Cure time for thermoplastics shall be per manufacturer’s recommendations.

**8-22.3(1) Preliminary Spotting**

(\*\*\*\*\*)

*Supplement this section with the following:*

The Contractor shall reference the location and type of existing pavement markings prior to removal or overlay and obtain approval of referenced location prior to removal. The approximate location of pavement markings has been shown on the Drawings for bidding purposes only.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

**8-22.4 Measurement**

(\*\*\*\*\*)

*Supplement this section with the following:*

No measurement will be made for removal of existing pavement markings.

“Plastic Stop Line” will be measured by linear foot.

“Plastic Crosswalk line” will be measured by square foot.

**8-22.5 Payment**

(\*\*\*\*\*)

*Supplement this section with the following:*

“Plastic Stop Line” per linear foot.

“Plastic Crosswalk line” per square foot.

**END OF DIVISION 8**

**DIVISION 9  
MATERIALS**

**9-14 EROSION CONTROL AND ROADSIDE PLANTING**

**9-14.2 Topsoil**

**9-14.2(1) Topsoil Type A**

(\*\*\*\*\*)

*Supplement this section with the following:*

Topsoil Type A shall be a commercially available topsoil from a local source. Topsoil shall be free of weed seeds and other contaminants.

**9-29 ILLUMINATION, SIGNALS, ELECTRICAL**

**9-29.21 Flashing Beacon**

(\*\*\*\*\*)

*Replace this section with the following:*

**Rectangular Rapid Flashing Beacon (RRFB) Pole and Assembly**

The RRFB assembly lights and controller shall be solar powered mode I R920-F by Carmanah. RRFB mounted equipment shall be per the Plans and details and shall be complete in all respects. Signs shall be per the Plans. RRFB system pushbuttons shall include a locator tone. RRFB system pushbuttons may include speech message and vibrotactile functionality, provided these features can be deactivated.

The RRFB pole and base assembly shall be per the Plans and details and shall be complete in all respects capable of supporting RRFB equipment per the Plans, and shall consist of two (2) subassemblies. Pole length shall be a minimum of 15’.

Pedestrian Push Buttons

The rectangular rapid flashing beacons (RRFB) assembly APS Style Pedestrian Push Buttons shall be the iNX Push Button Station by Polara. APS Push Style Pedestrian Push buttons shall be yellow in color with one 9” x 12” R10-25 sign (PUSH BUTTON TO TURN ON WARNING LIGHTS).

Pole Subassembly

The pole shall be a 4 inch - 8 NPT pipe manufactured from Schedule 40, galvanized steel meeting the following minimum requirements: Standard 4" SCH 40 ASTM A53 Grade B ERW Pipe.

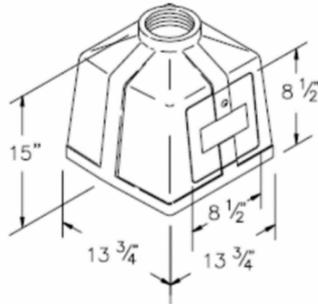
The bottom of the pipe shall be threaded to screw into the breakaway base assembly. Threading and deburring of the pole shall be in accordance with the basic dimensions of American National Standard Taper Pipe Threads, NPT (ANSI B1.2).

## ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

### Base Subassembly

The pole base shall be breakaway, square aluminum pedestal base with aluminum door meeting the following minimum requirements:

- Square cast aluminum with natural finish, minimum weight of 21 lbs. with dimensions as shown in the Figure below.
- Upper end shall be threaded to receive a 4" NPT pipe shaft. Base threads shall be tapped to allow full pole engagement w/o exposed threads on the pole.



- The base shall be of such design that it may be fastened to a foundation with four (4) 3/4" anchor bolts located 90 degrees apart on the bottom of the base.
- There shall be slots in the bottom of the base 1 1/2" wide and 2 1/2" long measured along the circumference of the bolt circle, allowing a proper fit even if the bolts are placed slightly off center. The base plate shall accommodate bolt circle of 12" and anchor bolts with a diameter of 3/4".
- The base shall be equipped with a removable aluminum door. Door opening shall be free of burrs and sharp edges and be no less than 8 1/2" square. The door shall be attached to the base using one stainless steel socket button head screw to prevent unauthorized entry.
- The base housing and its components shall be fabricated free of voids, pits, dents, molding sand and excessive foundry grinding marks. All design radii shall be smooth and intact. Exterior surface finish shall be smooth and cosmetically acceptable by being free of molding fins, cracks and other exterior blemishes.
- Frangibility: The base shall meet or exceed 1985 AASHTO breakaway requirements. Test reports from an FHWA approved independent laboratory shall be provided certifying that the base has been tested and meets all applicable requirements. In addition, a statement of certification from the FHWA stating such tests have been accepted and approved shall be supplied.
- Structural Integrity: In order to prove structural soundness a certification from a recognized independent structural laboratory shall be provided certifying that the base will withstand a bending moment of 10,750 ft. lbs. Such test shall be performed in the following manner:
- A force shall be applied at a distance from the bottom of the base in order to produce a moment.

ELECTRON WAY AND CONTRA COSTA AVE INTERSECTION IMPROVEMENTS

- All bases must reach a moment capacity of 10,750 ft. lbs. without breaking, cracking or rupturing in any manner.
- After force has been removed, the lever arm shall return to within .250" of its original rest position.
- All tests shall be made using 4" schedule 40 Steel Pipe.
- Hardware: (6) 5/16"-18 x 1½" Socket Head Capscrews (3) 5/16" Dia. x 3/4" Roll Pins
- Finish: Collar Segment: Alodine 1200
- Fasteners: Zinc w/ Yellow Di-Chromate
- Packaging: Threaded end shall have protective cap to prevent thread damage. Cardboard sleeve shall cover the entire length of shaft to protect surface finish during storage and shipment.
- The pole shall be galvanized after fabrication per the Standard Specification Section 6-07.3(11)B2 Galvanizing.

**END OF DIVISION 9**

**END OF SPECIAL PROVISIONS**

# **APPENDIX A**

## **Washington State Prevailing Wages Insert**

Benefit Code Key – Effective 8/1/2024 thru 3/4/2025

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**Overtime Codes**

**Overtime calculations** are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
  - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
  - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
  - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
  - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
  - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

- 1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

**Overtime Codes Continued**

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
  - M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
  - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
  - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

**Overtime Codes Continued**

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.  
  
On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).
- All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus \$2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

**Overtime Codes Continued**

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

**Overtime Codes Continued**

11. F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.
- H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.
- J. All hours worked on holidays shall be paid at double the hourly rate of wage.
- K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.
- L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar (\$2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

**Overtime Codes Continued**

11. M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.
- Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars (\$2.00) per hour.
- N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.
- Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.
- O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

**Overtime Codes Continued**

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.
- In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Q. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.
- R. On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- When a holiday falls on a Saturday, the Friday before shall be the observed holiday. When a holiday falls on a Sunday, the following Monday shall be the observed holiday.
- S. The first ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.
- All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

## Benefit Code Key – Effective 8/1/2024 thru 3/4/2025

11. T. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.
- All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- U. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.
- All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- If, due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift, then a Special Shift may be worked, Monday through Friday, at the straight-time rate. The starting time of work for the Special Shift will be arranged to fit such conditions of work. Such Special Shift shall consist of eight (8) hours of work for eight (8) hours of pay or ten (10) hours of work for ten(10) hours of pay on a four-ten workday schedule.

### Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

**Holiday Codes Continued**

- 5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

**Holiday Codes Continued**

- 6. G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

**Holiday Codes Continued**

- 7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

**Holiday Codes Continued**

- 7. G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

**Holiday Codes Continued**

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

**Holiday Codes Continued**

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Benefit Code Key – Effective 8/1/2024 thru 3/4/2025

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

**Note Codes Continued**

- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.

When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

**Note Codes Continued**

9. A. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

- (A) – 130’ to 199’ – \$0.50 per hour over their classification rate.
- (B) – 200’ to 299’ – \$0.80 per hour over their classification rate.
- (C) – 300’ and over – \$1.00 per hour over their classification rate.

**Note Codes Continued**

9. B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

- D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

- F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

- H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

Benefit Code Key – Effective 8/1/2024 thru 3/4/2025

9. I. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.

Employees may be required to perform any combination of work within the Diving team/crew, (with the exception of dive Supervisor) provided they are paid at the highest rate at which he/she has worked for the shift.

- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

State of Washington  
 Department of Labor & Industries  
 Prevailing Wage Section - Telephone 360-902-5335  
 PO Box 44540, Olympia, WA 98504-4540

**Washington State Prevailing Wage**

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

**Journey Level Prevailing Wage Rates for the Effective Date: 9/23/2024**

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Pierce	<a href="#"><u>Asbestos Abatement Workers</u></a>	Journey Level	\$63.87	<a href="#"><u>5D</u></a>	<a href="#"><u>1H</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Boilermakers</u></a>	Journey Level	\$81.48	<a href="#"><u>5N</u></a>	<a href="#"><u>1C</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Brick Mason</u></a>	Journey Level	\$71.82	<a href="#"><u>7E</u></a>	<a href="#"><u>1N</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Brick Mason</u></a>	Pointer-Caulker-Cleaner	\$71.82	<a href="#"><u>7E</u></a>	<a href="#"><u>1N</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Building Service Employees</u></a>	Janitor	\$24.04	<a href="#"><u>5S</u></a>	<a href="#"><u>2F</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Building Service Employees</u></a>	Traveling Waxer / Shampooer	\$24.49	<a href="#"><u>5S</u></a>	<a href="#"><u>2F</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Building Service Employees</u></a>	Window Cleaner (High Time)	\$31.99	<a href="#"><u>5S</u></a>	<a href="#"><u>2F</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Building Service Employees</u></a>	Window Cleaner (Non-High Time)	\$31.49	<a href="#"><u>5S</u></a>	<a href="#"><u>2F</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cabinet Makers (In Shop)</u></a>	Journey Level	\$28.36		<a href="#"><u>1</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Carpenters</u></a>	Acoustical Worker	\$78.96	<a href="#"><u>15J</u></a>	<a href="#"><u>11U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Carpenters</u></a>	Bridge Dock and Wharf Carpenter	\$80.50	<a href="#"><u>15J</u></a>	<a href="#"><u>11U</u></a>	<a href="#"><u>9L</u></a>	<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Carpenters</u></a>	Floor Layer & Floor Finisher	\$78.96	<a href="#"><u>15J</u></a>	<a href="#"><u>11U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Carpenters</u></a>	General Carpenter	\$78.96	<a href="#"><u>15J</u></a>	<a href="#"><u>11U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Carpenters</u></a>	Scaffold Erector	\$78.96	<a href="#"><u>15J</u></a>	<a href="#"><u>11U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Application of all Composition Mastic	\$77.30	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Application of all Epoxy Material	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Application of all Plastic Material	\$77.30	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Application of Sealing Compound	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Application of Underlayment	\$77.30	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Building General	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Composition or Kalman Floors	\$77.30	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Concrete Paving	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Curb & Gutter Machine	\$77.30	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Curb & Gutter, Sidewalks	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>
Pierce	<a href="#"><u>Cement Masons</u></a>	Curing Concrete	\$76.78	<a href="#"><u>15J</u></a>	<a href="#"><u>4U</u></a>		<a href="#"><u>View</u></a>

Pierce	<a href="#">Cement Masons</a>	Finish Colored Concrete	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Floor Grinding	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Floor Grinding/Polisher	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Green Concrete Saw, self-powered	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Grouting of all Plates	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Grouting of all Tilt-up Panels	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Gunite Nozzleman	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Hand Powered Grinder	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Journey Level	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Patching Concrete	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Pneumatic Power Tools	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Power Chipping & Brushing	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Sand Blasting Architectural Finish	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Screed & Rodding Machine	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Spackling or Skim Coat Concrete	\$76.78	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Troweling Machine Operator	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Troweling Machine Operator on Colored Slabs	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Tunnel Workers	\$77.30	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Bell/Vehicle/Submersible Operator (not under pressure)	\$156.25	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Dive Supervisor	\$157.75	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Diver	\$156.25	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$86.86	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$118.99	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$109.76	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$128.22	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$137.45	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$146.67	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$155.90	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$165.13	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$174.36	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>

Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$183.59	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Lead Diver (Dive Master)	\$101.32	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Manifold Operator (Life Support Technician)	\$86.86	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Operator/Technician	\$86.86	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Operator/Technician	\$86.86	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Tender	\$80.55	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Stand-by Diver	\$96.32	<a href="#">15J</a>	<a href="#">11T</a>	<a href="#">9I</a>	<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Assistant Engineer	\$83.92	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$83.28	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Boatmen	\$83.92	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Engineer Welder	\$85.53	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$87.24	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Mates	\$83.92	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Oiler	\$83.28	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Drywall Applicator</a>	Journey Level	\$78.76	<a href="#">15O</a>	<a href="#">11S</a>		<a href="#">View</a>
Pierce	<a href="#">Drywall Tapers</a>	Journey Level	\$78.76	<a href="#">15O</a>	<a href="#">11S</a>		<a href="#">View</a>
Pierce	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$17.76		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Cable Splicer	\$90.59	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Journey Level	\$84.57	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Lead Covered Cable Splicer	\$96.63	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Welder	\$90.59	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$97.76	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$89.71	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$56.79	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$89.71	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$89.71	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$77.13	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Meter Installer	\$56.79	<a href="#">5A</a>	<a href="#">4D</a>	<a href="#">8W</a>	<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$89.71	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$66.84	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electronic Technicians</a>	Journey Level	\$55.70	<a href="#">6Z</a>	<a href="#">1B</a>		<a href="#">View</a>
Pierce	<a href="#">Elevator Constructors</a>	Mechanic	\$111.26	<a href="#">7D</a>	<a href="#">4A</a>		<a href="#">View</a>

Pierce	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$120.27	<a href="#">7D</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Fence Erectors</a>	Fence Erector	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Fence Erectors</a>	Fence Laborer	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Flaggers</a>	Journey Level	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Glaziers</a>	Journey Level	\$82.16	<a href="#">7L</a>	<a href="#">1Y</a>		<a href="#">View</a>
Pierce	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journey Level	\$91.81	<a href="#">15H</a>	<a href="#">11C</a>		<a href="#">View</a>
Pierce	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$99.92	<a href="#">7F</a>	<a href="#">1E</a>		<a href="#">View</a>
Pierce	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$66.10	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Boat Operator	\$61.41	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Cook	\$56.48	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Deckhand	\$57.48	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$58.81	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Launch Operator	\$58.89	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Mate	\$57.31	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Insulation Applicators</a>	Journey Level	\$78.96	<a href="#">15J</a>	<a href="#">11U</a>		<a href="#">View</a>
Pierce	<a href="#">Ironworkers</a>	Journeyman	\$87.80	<a href="#">15K</a>	<a href="#">11N</a>		<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Airtrac Drill Operator	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Ballast Regular Machine	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Batch Weighman	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brick Pavers	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brush Cutter	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brush Hog Feeder	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Burner	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Caisson Worker	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Carpenter Tender	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Cement Dumper-paving	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Cement Finisher Tender	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Change House Or Dry Shack	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>

Pierce	<a href="#">Laborers</a>	Chipping Gun (30 Lbs. And Over)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Chipping Gun (Under 30 Lbs.)	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Choker Setter	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Chuck Tender	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Clary Power Spreader	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Clean-up Laborer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Dumper/Chute Operator	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Form Stripper	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Placement Crew	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Saw Operator/Core Driller	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Crusher Feeder	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Curing Laborer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (Incl. Charred Material)	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Ditch Digger	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Diver	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Drill Operator (Hydraulic, Diamond)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Dry Stack Walls	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Dump Person	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Epoxy Technician	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Erosion Control Worker	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Fine Graders	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Firewatch	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Form Setter	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Gabian Basket Builders	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	General Laborer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$66.10	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grinders	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grout Machine Tender	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Groutmen (Pressure) Including Post Tension Beams	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Guardrail Erector	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level A)	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level B)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level C)	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	High Scaler	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Jackhammer	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Laserbeam Operator	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Maintenance Person	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Manhole Builder-Mudman	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>

Pierce	<a href="#">Laborers</a>	Material Yard Person	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Mold Abatement Worker	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Motorman-Dinky Locomotive	\$66.20	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$66.10	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pavement Breaker	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pilot Car	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Layer (Lead)	\$66.10	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Layer/Tailor	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Pot Tender	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Reliner	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Wrapper	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pot Tender	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Powderman	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Powderman's Helper	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Power Jacks	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Raker - Asphalt	\$66.10	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Re-timberman	\$64.51	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Remote Equipment Operator	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rigger/Signal Person	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rip Rap Person	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rivet Buster	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rodder	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Scaffold Erector	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Scale Person	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Sloper (Over 20")	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Sloper Sprayer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Spreader (Concrete)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Stake Hopper	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Stock Piler	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Swinging Stage/Boatswain Chair	\$53.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tamper (Multiple & Self-propelled)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Topper	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Track Laborer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Track Liner (Power)	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Traffic Control Laborer	\$57.15	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9C</a>	<a href="#">View</a>

Pierce	<a href="#">Laborers</a>	Traffic Control Supervisor	\$60.34	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9C</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Truck Spotter	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tugger Operator	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 0-30 psi	\$200.40	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$205.43	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$209.11	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$214.81	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$216.93	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$222.03	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$223.93	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$225.93	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$227.93	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">9B</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$66.20	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Miner	\$66.20	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Vibrator	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Vinyl Seamer	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Watchman	\$49.12	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Welder	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Well Point Laborer	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Window Washer/Cleaner	\$49.12	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$62.68	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$63.76	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Landscape Construction</a>	Landscape Construction/Landscaping Or Planting Laborers	\$49.12	<a href="#">15J</a>	<a href="#">11P</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Landscape Construction</a>	Landscape Operator	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Landscape Maintenance</a>	Groundskeeper	\$17.07		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Lathers</a>	Journey Level	\$78.76	<a href="#">15O</a>	<a href="#">11S</a>		<a href="#">View</a>
Pierce	<a href="#">Marble Setters</a>	Journey Level	\$71.82	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Millwright</a>	Journey Level	\$80.28	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Modular Buildings</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Painters</a>	Journey Level	\$51.71	<a href="#">6Z</a>	<a href="#">11J</a>		<a href="#">View</a>
Pierce	<a href="#">Pile Driver</a>	Crew Tender	\$86.81	<a href="#">15J</a>	<a href="#">11U</a>	<a href="#">9L</a>	<a href="#">View</a>
Pierce	<a href="#">Pile Driver</a>	Journey Level	\$80.50	<a href="#">15J</a>	<a href="#">11U</a>	<a href="#">9L</a>	<a href="#">View</a>

Pierce	<a href="#">Plasterers</a>	Journey Level	\$73.54	<a href="#">7Q</a>	<a href="#">1R</a>		<a href="#">View</a>
Pierce	<a href="#">Plasterers</a>	Nozzleman	\$77.54	<a href="#">7Q</a>	<a href="#">1R</a>		<a href="#">View</a>
Pierce	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$90.87	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operator	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Batch Plant Operator: Concrete	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Bobcat	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Brooms	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cableways	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Chipper	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Compressor	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine -laser Screed	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Conveyors	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes Friction: 200 tons and over	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes, A-frame: 10 tons and under	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 20 tons through 44 tons with attachments	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: Friction cranes through 199 tons	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Crusher	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Deck Engineer/deck Winches (power)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Derricks: on building work	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Elevator and man-lift: permanent and shaft type	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Forklift: 3000 lbs and over with attachments	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Forklifts: under 3000 lbs. with attachments	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Gradechecker/stakeman	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Guardrail punch/Auger	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Locator	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Operator	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hydralifts/boom trucks: 10 tons and under	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hydralifts/boom trucks: over 10 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Motor patrol graders	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

		And/or Shield					
Pierce	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type Crane: 20 tons through 44 tons	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type: 100 tons and over	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type: 45 tons through 99 tons	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Power Plant	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Quad 9, HD 41, D10 And Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Quick Tower: no cab, under 100 feet in height based to boom	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rigger and Bellman	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rigger/Signal Person, Bellman(Certified)	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rollagon	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Service Engineers: equipment	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shotcrete/gunite Equipment	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

		Metric Tons					
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$86.39	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Crane: over 175' through 250' in height, base to boom	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower crane: up to 175' in height base to boom	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Cranes: over 250' in height from base to boom.	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/Driver: 100 tons and over	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck crane oiler/driver: under 100 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Welder	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Asphalt Plant Operator	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Engineer	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch Plant Operator: Concrete	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bobcat	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brooms	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bump Cutter	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableways	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Chipper	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressor	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Finish Machine -laser Screed	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Conveyors	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes Friction: 200 tons and over	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes, A-frame: 10 tons and under	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 20 tons through 44 tons with attachments	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: Friction cranes through 199 tons	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer/deck Winches (power)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks: on building work	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drilling Machine	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator and man-lift: permanent and shaft type	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklift: 3000 lbs and over with attachments	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklifts: under 3000 lbs. with attachments	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Gradechecker/stakeman	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Guardrail punch/Auger	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Locator	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Operator	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom trucks: 10 tons and under	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom trucks: over 10 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead 8 Yards. & Over	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Locomotives, All	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Material Transfer Device	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Motor patrol graders	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type Crane: 20 tons through 44 tons	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type: 100 tons and over	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type: 45 tons through 99 tons	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pavement Breaker	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pile Driver (other Than Crane Mount)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Plant Oiler - Asphalt, Crusher	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Power Plant	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pumps - Water	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quad 9, HD 41, D10 And Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quick Tower: no cab, under 100 feet in height based to boom	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger and Bellman	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger/Signal Person, Bellman(Certified)	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rollagon	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Saws - Concrete	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Service Engineers: equipment	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shotcrete/gunite Equipment	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$85.53	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Slipform Pavers	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane: over 175' through 250' in height, base to boom	\$85.66	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower crane: up to 175' in height base to boom	\$84.77	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Cranes: over 250' in height from base to boom.	\$86.48	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$84.67	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines	\$83.28	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/Driver: 100 tons and over	\$83.20	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck crane oiler/driver: under 100 tons	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welder	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$79.65	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$83.92	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$61.73	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$58.44	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$61.73	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$55.14	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$41.68	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$90.96	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Brick Mason</a>	Journey Level	\$27.02		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Carpenters</a>	Journey Level	\$51.52	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Cement Masons</a>	Journey Level	\$45.99		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$78.76	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$77.66	<a href="#">5P</a>	<a href="#">1E</a>		<a href="#">View</a>

Pierce	<a href="#">Residential Electricians</a>	Journey Level	\$44.11		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Glaziers</a>	Journey Level	\$82.16	<u>7L</u>	<u>1Y</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$24.52		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Laborers</a>	Journey Level	\$33.97		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Marble Setters</a>	Journey Level	\$29.29		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Painters</a>	Journey Level	\$51.71	<u>6Z</u>	<u>11J</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$51.81		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$99.92	<u>7F</u>	<u>1E</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Sheet Metal Workers</a>	Journey Level	\$99.92	<u>7F</u>	<u>1E</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$59.52	<u>5A</u>	<u>3J</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$57.51		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Stone Masons</a>	Journey Level	\$29.29		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$16.28		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$21.96		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Residential Tile Setters</a>	Journey Level	\$25.98		<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Roofers</a>	Journey Level	\$64.45	<u>5A</u>	<u>3H</u>	<a href="#">View</a>
Pierce	<a href="#">Roofers</a>	Using Irritable Bituminous Materials	\$67.45	<u>5A</u>	<u>3H</u>	<a href="#">View</a>
Pierce	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$99.92	<u>7F</u>	<u>1E</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Boilermaker	\$58.73	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Carpenter	\$51.85	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Crane Operator	\$43.00	<u>7V</u>	<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Electrician	\$58.77	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Heat & Frost Insulator	\$91.81	<u>15H</u>	<u>11C</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Laborer	\$58.41	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Machinist	\$58.59	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Operating Engineer	\$43.00	<u>7V</u>	<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Painter	\$58.53	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Pipefitter	\$58.77	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Rigger	\$58.73	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Sheet Metal	\$58.49	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Shipwright	\$51.85	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Warehouse/Teamster	\$43.00	<u>7V</u>	<u>1</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Welder / Burner	\$58.73	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Boilermaker	\$58.73	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Carpenter	\$51.85	<u>7X</u>	<u>4J</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Crane Operator	\$45.06	<u>7Y</u>	<u>4K</u>	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Electrician	\$58.77	<u>7X</u>	<u>4J</u>	<a href="#">View</a>

Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Heat & Frost Insulator	\$91.81	<a href="#">15H</a>	<a href="#">11C</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Laborer	\$58.41	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Machinist	\$58.59	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Operating Engineer	\$45.06	<a href="#">7Y</a>	<a href="#">4K</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Painter	\$58.53	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Pipefitter	\$58.77	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Rigger	\$58.73	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Sheet Metal	\$58.49	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Shipwright	\$51.85	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Warehouse / Teamster	\$45.06	<a href="#">7Y</a>	<a href="#">4K</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Sign Installer	\$26.17		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Sign Maker	\$20.33		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Sign Installer	\$33.43		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Sign Maker	\$22.79		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Soft Floor Layers</a>	Journey Level	\$78.98	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Solar Controls For Windows</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$96.99	<a href="#">5C</a>	<a href="#">1X</a>		<a href="#">View</a>
Pierce	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Stone Masons</a>	Journey Level	\$71.82	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$21.69		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Assistant Construction Site Surveyor	\$82.56	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Chainman	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Construction Site Surveyor	\$83.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Drone Operator (when used in conjunction with surveying work only)	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Ground Penetrating Radar	\$78.95	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Telecommunication Technicians</a>	Journey Level	\$55.70	<a href="#">6Z</a>	<a href="#">1B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$41.35	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$27.31	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$34.53	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$39.07	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Terrazzo Workers</a>	Journey Level	\$67.51	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Tile Setters</a>	Journey Level	\$65.51	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Finisher	\$56.34	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>

Pierce	<a href="#">Traffic Control Stripers</a>	Journey Level	\$92.44	<a href="#">15L</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Asphalt Mix Over 16 Yards	\$79.40	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Asphalt Mix To 16 Yards	\$78.56	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Dump Truck	\$78.56	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Dump Truck & Trailer	\$79.40	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Other Trucks	\$79.40	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers - Ready Mix</a>	Transit Mix	\$79.40	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$16.28		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$18.30		<a href="#">1</a>		<a href="#">View</a>

**Washington State Department of Labor and Industries  
Policy Statement  
(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

**WSDOT's  
Predetermined List for  
Suppliers - Manufactures - Fabricator**

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		<b>X</b>
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		<b>X</b>
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		<b>X</b>
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		<b>X</b>
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		<b>X</b>
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		<b>X</b>
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		<b>X</b>

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		<b>X</b>
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	<b>X</b>	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	<b>X</b>	
11. Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	<b>X</b>	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		<b>X</b>
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	<b>X</b>	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		<b>X</b>
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		<b>X</b>
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		<b>X</b>

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		<b>X</b>
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		<b>X</b>
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		<b>X</b>
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		<b>X</b>
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		<b>X</b>
22. Vault Risers - For use with Valve Vaults and Utilities  X Vaults.		<b>X</b>
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		<b>X</b>
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		<b>X</b>
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	<b>X</b>	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	<b>X</b>	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	<b>X</b>	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	<b>X</b>	
32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
33. Monument Case and Cover See Std. Plan.		<b>X</b>

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	<b>X</b>	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	<b>X</b>	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	<b>X</b>	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		<b>X</b>
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	<b>X</b>	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	<b>X</b>	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	<b>X</b>	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		<b>X</b>

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. <b>NOTE:</b> *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	<b>X</b>	<b>X</b>
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		<b>X</b>
44. Guardrail components	<b>X</b>	<b>X</b>
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		<b>X</b>
48. Electrical wiring/components		<b>X</b>
49. treated or untreated timber pile		<b>X</b>
50. Girder pads (elastomeric bearing)	<b>X</b>	
51. Standard Dimension lumber		<b>X</b>
52. Irrigation components		<b>X</b>

ITEM DESCRIPTION	YES	NO
53. Fencing materials		<b>X</b>
54. Guide Posts		<b>X</b>
55. Traffic Buttons		<b>X</b>
56. Epoxy		<b>X</b>
57. Cribbing		<b>X</b>
58. Water distribution materials		<b>X</b>
59. Steel "H" piles		<b>X</b>
60. Steel pipe for concrete pile casings		<b>X</b>
61. Steel pile tips, standard		<b>X</b>
62. Steel pile tips, custom	<b>X</b>	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW [39.12.010](#)

(The definition of "locality" in RCW [39.12.010](#)(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

## **WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects**

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential \*\*\* ALL ASSOCIATED RATES \*\*\*
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries  
Policy Statements  
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

**WAC 296-127-018 Agency filings affecting this section**

**Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.**

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]