



CONTRACT DOCUMENTS for  
**VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1**  
**CITY CONTRACT 10-11**

Consisting of:

- Bid Documents
- Contract Forms
- Specifications & Conditions
- Drawings

Plans Provided for:

City of Blaine  
1200 Yew Avenue  
Blaine, WA 98230  
(360) 738-0370

Engineer:

Reichhardt & Ebe Engineering, Inc.  
423 Front Street  
Lynden, WA 98264  
(360) 354-3687  
Fax (360) 354-0407

**VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1  
BLAINE, WASHINGTON**

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# **BID PROCEDURES AND CONDITIONS**

## **BIDDERS CHECKLIST**

- \_\_\_\_\_ Review Plans and Specifications and visit site
- \_\_\_\_\_ Include Unit price for each Bid Item
- \_\_\_\_\_ Extensions done correctly for each Bid Item
- \_\_\_\_\_ Total contract price, include taxes where applicable
- \_\_\_\_\_ Fill in amount of bid deposit (bond)
- \_\_\_\_\_ Check that bid deposit is at least 5% of total bid.
- \_\_\_\_\_ Date Proposal
- \_\_\_\_\_ Print name and address of Bidder
- \_\_\_\_\_ Proposal signed by authorized agent
- \_\_\_\_\_ Proposal Signature notarized by Notary Public
- \_\_\_\_\_ List Subcontractors
- \_\_\_\_\_ Attach bid bond or bid bond deposit
- \_\_\_\_\_ Submit bids by required date and time

**CITY OF BLAINE  
NOTICE TO BIDDERS**

Sealed proposals for the construction of the Vista Terrace Sanitary Sewer Improvements, Phase 1 project, will be received by the City of Blaine, 1200 Yew Avenue, Blaine, Washington, 98230 at the Public Works until August 28, 2014 at 10:00 a.m., and thereafter will be publicly opened and read.

The improvement consists of: the installation of approximately 1,000 linear feet of 8 inch sanitary sewer main and 500 linear feet of 6 inch side sewer located along Allan Street north of H Street. Work will include clearing, grubbing, grading, installing sanitary sewer, placement of gravel, asphalt concrete paving and vegetative restoration.

Price Range:                   \$215,000 to \$265,000

Plans and specifications may be obtained from Western Construction Resources at 2215 Midway Lane, Suite 208, Bellingham, WA 98226. Email: [info@wcrinc.com](mailto:info@wcrinc.com). Phone 360-738-0370, Fax 360-738-0371. Please allow 24 hours prior to pick-up. Informational copies of the Project Contract Documents are available for inspection at City of Blaine Public Works 1200 Yew Avenue, Blaine, WA 98230.

All proposals must be upon regular blank forms and must be accompanied by a certified check, cashier's check, cash, money order or bid bond payable to the City of Blaine in an amount equal to or exceeding five percent (5%) of the total bid. No other form of bid security is acceptable. A one hundred percent (100%) contract surety bond will be required.

The right is reserved to postpone making the award for a reasonable length of time, to reject any and all bids, or to waive irregularities not affecting substantial rights.

Sheri Sanchez, City Clerk  
City of Blaine

Published:     August 6, 2014

## **TERMS AND CONDITIONS**

The General Conditions of this bid are the Standard Specifications for Road, Bridge and Municipal Construction, most recent Edition, as issued by the State of Washington.

1. Whenever the terms "Washington State Transportation Commission", "State Department of Transportation", or variations of same are used in the Standard Specifications, they shall be construed to mean "City of Blaine" or "Owner".
2. Except Bid Deposit 1-02.7 Proposal Bond may only be in hard copy, submitted with the bid documents. (Electronic submittal does not apply to the City of Blaine).
3. Except Delivery of Proposal 1-02.9. Bids must be submitted in a sealed envelope. (Electronic bidding does not apply to the City of Blaine).
4. Owners and Contractors Protective Insurance is not required on Bids which total LESS THAN \$45,000 only.
5. Where references are made to the "State Treasurer", the term shall be construed to mean the City's "Finance Director".
6. Where the term "Secretary of Transportation" or "District Administrator" are used, the terms shall be construed to mean the duly authorized representative of the City.
7. Bid documents include the Advertisement to Bid; Terms and Conditions; the Proposal form; and the proposed contract documents including any Addenda issued prior to receipt of bids.
8. All bids shall be submitted on the Bid Form included in the Bid Documents and must be signed in ink by an authorized representative of the Bidder. An authorized representative of the Bidder must initial each change appearing on the Bid Form.
9. Addenda are written or graphic instructions issued prior to the receipt of bids in accordance with Article 9 of the Terms and Conditions, which modify or interpret the bidding documents, including Drawings and Specifications, by additions, deletions, clarification or corrections. Addenda will become part of the Contract Documents when the Construction Contract is executed.
10. Bidders are requested to review this invitation carefully, without delay, for defects and questionable or objectionable matter. Questions, objections or comments should be made in writing and received no later than ten working days prior to bid opening, so that any necessary amendments may be published and distributed to bidders to prevent the opening of a defective bid. Bidders' protests based upon any omission, or errors, or the content of the Invitation to Bid will be disallowed if not made known prior to the bid opening. Any interpretation or correction will be issued, with Owner's approval as an Addendum. Only a written interpretation or correction by Addendum shall be binding. No Bidder shall rely upon any interpretation or correction given by any other method. Any changes to the original

bid specifications will be made in writing, in the form of a bid addendum, issued by the City of Blaine Public Works.

Protest Procedure:

Any protest must be made in writing, signed by the protestor or the protestor's authorized agent, and filed with the City of Blaine, Public Works, 1200 Yew Avenue, Blaine, WA 98230. The protest shall contain all of the following information:

- The protestor's name, address, and phone/facsimile number;
- The bid/rfp number and bid/rfp project name;
- A detailed description of the specific factual and legal ground(s) for the protest, including all exhibits referenced by the protestor; and
- The specific ruling and relief requested

Protests based upon the specifications or other terms contained in the bid/rfp documents shall be submitted not later than five (5) calendar days prior to the scheduled bid/rfp opening. All other protests shall be submitted no later than two full business days following bid opening. By submitting a bid or proposal the bidder/proposer forfeits any right to protest the solicitation or its documents. Unless prohibited by law, the City reserves the right to reject all bids/rfps as a remedy to a protest or independently of protests.

Failure to comply with these procedures shall render a protest untimely or inadequate and, consequently, may result in the City rejecting the protest solely on this basis.

Any decision made by the City regarding the bid award, contract execution or bid rejection shall be final only subject to such judicial review as permitted under Washington law and timely filing in the Superior Court of Whatcom County, Washington. This venue clause shall modify any other provision in these bid documents to the extent there is an inconsistency.

11. Each Bidder represents that their bid is based upon the material and equipment described in the bidding documents.
12. During the bidding period, no substitutions will be considered unless written request has been submitted to the City for approval at least five working days prior to the date for receipt of bids. Each such request shall include a complete description of the proposed substitute; the name of the material or equipment for which it is to be substituted; drawings, cuts, performance and test data; and any other data or information necessary for complete evaluation. Request for substitutions shall be sent to the Engineer.
13. If the Owner approves any proposed substitution, such approval will be set forth in an Addendum.

14. All contractors' labor and materials bonds shall be approved as to form and as to sufficiency of sureties by the City.
15. The City reserves the right to reject any and all proposals, to waive minor deviations from the specifications, or to waive any informality in proposals received, whenever such rejection or waiver is in the best interest of the City. Among other things a solicitation may be rejected when;(1) the contractor is in arrears on taxes or other claims due; (2) the contractor is not in a position to perform the contract; (3) the solicitation is not signed; (4) the contractor fails to furnish bid bonds or surety deposits, plans, specifications, samples, etc., when such were specifically called for in the Invitation to Solicitation; (5) the contractor has failed to use the proposal form attached; (6) the contractor makes a material change in the specifications, terms or conditions of the Invitation to Solicitation; (7) the solicitation contains a material alteration or erasure which is not initialed by the signer of the solicitation; (8) the contractor has been debarred from public bidding by either the State of Washington or the United States Federal Government; (9) any other reason determined to be in the best interest of the City.
16. After the award of the Contract, but at least five days prior to commencing the work, the City may require the Contractor to submit the following information:
  - a) A satisfactory statement of costs for each major item of work included in the bid which will be used as the basis for payment applications.
  - b) A designation of the amount and type of work to be performed by the Contractor's own forces.
  - c) A list of names of the subcontractors or other persons or organizations proposed for such portions of the work and an estimated employment profile of such subcontractor's forces. Subcontractors, employees, and other persons and organizations proposed by the Contractor and accepted by the Owner must be used on the work for which they were proposed and accepted and shall not be changed without the City's written approval.
17. Unless otherwise stated in the bid specifications, questions concerning the bid process should be addressed to the following: City of Blaine, Public Works, 1200 Yew Avenue, Blaine, Washington, 98230. Questions can only be addressed in a written form, either by email or letter. No phone questions will be addressed.
18. It is the contractor's responsibility to deliver the document to the proper address by the assigned time. The City accepts no responsibility for misdirected or lost documents prior to the City actually receiving the bid documents.
19. Contractors are required to possess a Washington State Business Identification Number (UBI) and City of Blaine Business License.
20. The contractor shall hold and save the City, its officers, agents and employees, harmless from liability of any nature or kind, including costs and expenses, for or on account of any or all suits or damages of any character whatsoever resulting from injuries or damages sustained by

any person or persons or property by virtue of performance of this contract, unless such suits or damages arise from negligence on the part of the City or its employees in the performance of their assigned duties. The City shall not be liable for any costs incurred by the bidder in bid preparation.

21. In case of default by the contractor, for whatever reasons, the City of Blaine may procure the material or services from other sources and hold the bidder responsible for any excess cost occasioned thereby.
22. In the event of damage to City property in the performance of a contract, the primary contractor will be held responsible and reimburse the City to the extent of damage.
23. The State of Washington prevailing wage rates applicable for this public works project, which is located in Whatcom County, may be found at the following address for the Department of Labor & Industries:  
<https://fortress.wa.gov/lni/wagelookup/pvrWagelookup.aspx>. The applicable effective date for prevailing wages is based on the bid submittal deadline.
24. Attached is a sample of a Public Works Contract. The successful bidder will be required to enter into such an agreement with the City.
25. The plan holder's list is the way in which the City will notify bidders of changes in the bid specifications. Western Construction Resources at 2215 Midway Lane, Suite 208, Bellingham, WA 98226. Email: [info@wcrinc.com](mailto:info@wcrinc.com) . Phone 360-738-0370, Fax 360-738-0371 will notify plan holders by the communications means selected by the plan holder (Fax, Email, or U.S Mail). They will make a reasonable effort to notify bidders of changes; however the sole responsibility lies upon the bidder to inquire if a change has been issued prior to the bid opening time and date.
26. **Contractors should carefully read the requirements for insurance in the Washington State Department of Transportation(WSDOT) Standard Specifications.** Unless specifically provided for in this bid, Contractor agrees to obtain public liability and property damage insurance naming the City as an additional insured in amounts specified in the WSDOT General Conditions and in the form acceptable to the City, subject to the terms contained in the WSDOT General conditions, and to provide a Certificate of Insurance to this effect, together with any required endorsement.
27. In accordance with RCW 39.04.380 **effective March 30, 2012** the City of Blaine is enforcing a Reciprocal Preference for Resident Contractors.

Any public works bid received from a nonresident contractor from a state that provides an in-state percentage bidding preference, a comparable percentage disadvantage must be applied to the bid of that nonresident contractor.

A nonresident contractor from a state that provides a percentage bid preference means a contractor that:

- a) is from a state that provides a percentage bid preference to its resident contractors bidding on public works contracts.
- b) at the time of bidding on a public works project, does not have a physical office located in Washington.

The state of residence for a nonresident contractor is the state in which the contractor was incorporated or, if not a corporation, the state where the contractor's business entity was formed.

All nonresident contractors will be evaluated for out of state bidder preference. If the state of the nonresident contractor provides an in-state contractor preference, a comparable percentage disadvantage will be applied to their bid prior to contract award.

This section does not apply to public works procured pursuant to RCW 39.04.155, 39.01.280, or any other procurement exempt from competitive bidding.

## RESPONSIBILITY CRITERIA

The City's intent is to award the contract to the low responsible responsive bidder. However, before the City awards a public works contract, state law authorizes a municipality to use certain criteria to determine that responsible contractors and subcontractors perform the work. Bidder responsibility is determined by the bidder successfully demonstrating its ability to satisfy the mandatory responsibility criteria and any project specific criteria established by the City as authorized by RCW Chapter 39.04, including RCW 39.04.350, and as further detailed herein.

To comply with the responsibility criteria for this bid, a bidder must provide sufficient information as required. If the bidder fails to provide the requested information within the time and manner specified in these bid documents, the City reserves the option to determine responsibility upon any available information related to the supplemental criteria and/or may find the bidder not responsible.

If the lowest bidder is found not responsible, the City reserves the right to award to the next low bidder without re-advertising or rebidding the project.

### MANADATORY RESPONSIBILITY CRITERIA

A. **Bidder/Contractor Responsibility Criteria.** Before award, the bidder shall meet the following bidder responsibility criteria to be considered a responsible bidder. The City may require the bidder to submit documentation demonstrating compliance with the criteria. The bidder must demonstrate to the City's satisfaction that they:

1. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
2. Have a current Washington Unified Business Identifier (UBI) number;
3. If applicable, show proof of: (a) Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in Title 51 RCW; (b) a Washington Employment Security Department number, as required in Title 50 RCW; and, (c) a Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
5. For public works projects subject to the apprenticeship utilization requirements of RCW 3.04.320, not have been found out of compliance by the Washington state apprenticeship and training council for working apprentices out of ratio, without appropriate supervision, or outside their approved work processes as outlined in their standards of apprenticeship under chapter 49.04 RCW for the one-year period immediately preceding the first date of advertising for the project.
6. The Bidder shall not have a record of two claims filed against the retainage or payment bonds for public works projects during the previous three years, that demonstrate a lack of effective management by the Bidder of making timely and

appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Owner. For the purpose of this criterion, "Bidder" shall include the registered construction company submitting the bid, as well as the owner(s) of the company and any other construction companies the owner(s) may currently or previously have owned.

7. The Bidder shall not have lawsuits with judgments entered against the Bidder within five years of the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Owner. For the purpose of this criterion, "Bidder" shall include the registered construction company submitting the bid, as well as the owner(s) of the company and any other construction companies the owner(s) may currently or previously have owned.

**B. Subcontractor Responsibility Criteria.** Before award, the bidder shall verify responsibility criteria for each first tier subcontractor the contractor hires and a subcontractor of any tier subcontractor that hires other subcontractors must verify responsibility criteria for each of its subcontractors. Verification shall occur at the time of subcontract execution and shall include that each subcontractor meets the responsibility criteria listed in subsection A above and possesses an electrical contractor license (if required by RCW Chapter 19.28) or an elevator contractor license (if required by RCW Chapter 70.87). These verification requirements, as well as the responsibility criteria, shall be included in each of the Contractor's subcontracts of any tier. The Contractor shall certify that this verification is complete prior to contract close-out.

## **EXHIBIT A**

### **PROPOSAL**

To the Blaine City Council:

The undersigned bidder declares that they have carefully examined the Plans, Specifications, and Special Provisions for the construction of the Vista Terrace Sanitary Sewer Improvements, Phase 1 project, that have made an examination of the site of the proposed work and has made such investigations as are necessary to determine the conditions to be encountered, and that if this proposal is accepted, they will contract with the City of Blaine, Washington, in the form of contract hereto annexed, will to the extent of his bid provide the necessary machinery, tools, apparatus and other means of construction, will furnish all materials and labor as specified in the manner herein specified and according to the requirements of the Engineer.

The bidder agrees that they will complete all work in 25 days as required. The bidder further agrees that they will pay liquidated damages as fixed in the contract for delay in completion.

The Contractor is liable for Use Tax payable to the State for materials used on the job. Sales Tax will be paid by the City on Electrical, Water and Sewer related items of work.

**CITY OF BLAINE**  
**VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1**

( ) SECTION REFERENCE

August 6, 2014

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1 LUMP SUM	MOBILIZATION (1-09.7)	\$	\$
			per LS	
2	1 LUMP SUM	SPCC PLAN (1-07)	\$	\$
			per LS	
3	1 LUMP SUM	PROJECT TEMPORARY TRAFFIC CONTROL (1-10)	\$	\$
			per LS	
4	1 LUMP SUM	CLEARING AND GRUBBING (2-01)	\$	\$
			per LS	
5	1 LUMP SUM	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2-02)	\$	\$
			per LS	
6	4,900 INCH-FOOT	SAWCUT ACP (2-02)	\$	\$
			per IN-FT	
7	75 CUBIC YARD	ROADWAY EXCAVATION INCL. HAUL (2-03)	\$	\$
			per CY	
8	9,010 SQUARE FOOT	SHORING OR EXTRA EXCAVATION CLASS B (2-09)	\$	\$
			per SF	
9	1,210 SQUARE YARD	CONSTRUCTION GEOTEXTILE FOR SUBGRADE SEPARATION (2-12)	\$	\$
			per SY	

**CITY OF BLAINE**  
**VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1**

( ) SECTION REFERENCE

August 6, 2014

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
10	3,325 TON	GRAVEL BASE (4-02)	\$	\$
			per TON	
11	190 TON	CRUSHED SURFACING TOP COURSE (4-04)	\$	\$
			per TON	
12	200 TON	COMMERCIAL HMA (5-04)	\$	\$
			per TON	
13	4 EACH	MANHOLE 48 IN. DIAM. TYPE 1 (7-05)	\$	\$
			per EA	
14	1 LUMP SUM	ADJUSTMENTS TO FINISHED GRADE (7-05)	\$	\$
			per LS	
15	475 LINEAR FOOT	PVC SANITARY SEWER PIPE 6 IN. DIAM. (7-17)	\$	\$
			per LF	
16	960 LINEAR FOOT	PVC SANITARY SEWER PIPE 8 IN. DIAM. (7-17)	\$	\$
			per LF	
17	3 EACH	SEEPAGE COLLARS (7-17)	\$	\$
			per EA	
18	1 LUMP SUM	ESC LEAD (8-01)	\$	\$
			per LS	

**CITY OF BLAINE**  
**VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1**

( ) SECTION REFERENCE August 6, 2014

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
19	3 EACH	INLET PROTECTION (8-01)		
			\$	\$
			per EA	
20	1 EST	EROSION/WATER POLLUTION CONTROL (8-01)		
			\$ 3,000.00	\$ 3,000.00
			EST	
21	1 EST	LANDSCAPE RESTORATION (8-02)		
			\$ 2,000.00	\$ 2,000.00
			EST	
22	600 SQUARE YARD	SEEDED LAWN INSTALLATION INCL. TOPSOIL (8-02)		
			\$	\$
			per SY	
23	50 CUBIC YARD	TOPSOIL TYPE A (8-02)		
			\$	\$
			per CY	
24	5 EACH	POTHOLE EXISTING UNDERGROUND UTILITY (8-30)		
			\$	\$
			per EA	
25	1 EST	REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES (8-31)		
			\$ 10,000.00	\$ 10,000.00
			EST	
26	1 EST	DRAINAGE IMPROVEMENTS (8-32)		
			\$ 3,000.00	\$ 3,000.00
			EST	

SUBTOTAL: \$ \_\_\_\_\_  
SALES TAX (8.5%): \$ \_\_\_\_\_  
**TOTAL: \$ \_\_\_\_\_**

Accompanying this Proposal is cash, certified check or bid bond payable to the City of Blaine, this being the amount not less than five percent (5%) of the total bid including sales tax if applicable, based upon the above price according to the conditions of the Notice to Bidders and Special Provisions. If this bid shall be accepted by the City of Blaine, and the undersigned shall fail to execute a satisfactory contract and bond, as stated in contract attached, then the City may, at its option, determine that the undersigned has abandoned the contract and thereupon this contract shall be null and void, and the security accompanying this proposal shall be forfeited to the City of Blaine. Otherwise the security accompanying this proposal shall be returned to the undersigned.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2014

By signing this bid I duly swear that this bid herewith 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 I further say that I have 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 I have not in any manner sought collusion to secure to myself an advantage over any other bidder or bidders.

Receipt is hereby acknowledged by addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_

Submitted by:

Name of Bidder: \_\_\_\_\_

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

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Signature of Authorized Agent: \_\_\_\_\_

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

Contractor UBI Number: \_\_\_\_\_

STATE OF WASHINGTON

} ss

COUNTY OF

I CERTIFY that I know or have satisfactory evidence that \_\_\_\_\_, signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as the \_\_\_\_\_ of \_\_\_\_\_ to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

\_\_\_\_\_  
DATED

(Seal or Stamp)

\_\_\_\_\_  
SIGNATURE OF NOTARY PUBLIC

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
Notary Public  
TITLE

\_\_\_\_\_  
MY APPOINTMENT EXPIRES

## SUBCONTRACTOR LIST

Modified by City of Blaine to exceed the requirements of RCW 39.30.060 as amended

Project Name: \_\_\_\_\_

**The prime contract bidder shall submit with the bid proposal a list of subcontractors for work required by the Contract Documents as detailed below, regardless of the prime contract bidder's actual bid amount. Failure to comply with the requirements contained herein will result in your bid being non-responsive and therefore void.**

**The prime contract bidder shall list:**

- All work proposed to be performed by the bidder.
- All subcontractors who are proposed to perform work which constitutes more than 10 percent of the contract price
- The prime contract bidder shall not list more than one subcontractor for each category of work identified unless subcontractors vary with bid alternates, in which case the prime contract bidder must indicate which subcontractor will be used for which alternate.

The work to be performed is to be listed below the subcontractor(s) name. If no subcontractor is listed below, the bidder acknowledges that it is work they either intend to perform themselves or is minor work (less than 10%) being performed by a subcontractor; those items of work should be listed with the work the bidder intends to perform. **Use additional sheets if necessary.**

Bidders Name: \_\_\_\_\_

Work to be performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name: \_\_\_\_\_

Work to be performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subcontractor Name: \_\_\_\_\_  
Work to be performed: \_\_\_\_\_

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Subcontractor Name: \_\_\_\_\_  
Work to be performed: \_\_\_\_\_

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Subcontractor Name: \_\_\_\_\_  
Work to be performed: \_\_\_\_\_

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Subcontractor Name: \_\_\_\_\_  
Work to be performed: \_\_\_\_\_

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\_\_\_\_\_

Subcontractor Name: \_\_\_\_\_  
Work to be performed: \_\_\_\_\_

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

**BID BOND**

**KNOW ALL MEN BY THESE PRESENTS:**

That we \_\_\_\_\_

\_\_\_\_\_, as Principal, and \_\_\_\_\_

\_\_\_\_\_, as Surety, are held and firmly bound unto the CITY OF BLAINE as Obligee, in the penal sum at least equal to FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID 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 the obligation is such that if the Obligee shall make any award to the Principal of

\_\_\_\_\_

\_\_\_\_\_

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 the 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 so to do, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bid, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the 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 \_\_\_\_\_, 2014.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

\_\_\_\_\_, 2014

**BID BOND DEPOSIT**

Attached is a deposit in the form of a certified check, cashier's check, or cash in an amount at least equal to five percent (5%) of the total bid.

The condition of this obligation is that if the City of Blaine (hereafter called the City) shall make an award to the Principal for

***VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1***

according to bid or proposal made by the Principal, and the Principal enters into a contract with the City in accordance therewith and provides the City with a bond for the faithful performance thereof, with Surety or Sureties approved by the City, the attached Bid Bond Deposit shall be returned to the Principal. Alternatively, if the Principal, after submitting a bid for the above named project, is awarded the Contract and fails to provide a performance bond acceptable to the City, Principal shall forfeit to the City the penal amount of the Bid Deposit.

**SIGNED, SEALED and DATED** this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Principal (Signature)

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

\_\_\_\_\_  
Address

\_\_\_\_\_  
City/State

**CITY OF BLAINE, WASHINGTON  
PUBLIC WORKS AGREEMENT**

The **CITY OF BLAINE**, a non-charter code city of the State of Washington (hereinafter the "City"); and \_\_\_\_\_, a licensed Contractor authorized to do business in the State of Washington, (hereinafter the "Contractor"), hereby agree to enter into this Agreement under the following terms and conditions in recognition of the mutual covenants and consideration contained herein.

**I. THE PROJECT:** The Contractor agrees to complete the project as further described in Section IV.B. (Scope of Work) below utilizing the best available materials, equipment, and labor required to execute, construct, and finish in accordance with the Contract as defined in the General Conditions (see Section II below), which includes by way of example bid specifications, the General Conditions, contract plans and specifications, addenda, and contractor's proposal, project plans and technical specifications (collectively "Contract").

**II. GENERAL CONDITIONS:** The General Conditions of this Agreement are the current edition of the Standard Specifications for Road, Bridge and Municipal Construction, issued by the State of Washington and the APWA, modified as follows:

**A. Definitions and Terms**

1. Whenever the terms "Washington State Transportation Commission", "State Department of Transportation", "Contracting Agency", or variations of same are used in the Standard Specifications, they shall be construed to mean "City of Blaine" or "Owner".
2. Where the terms "Secretary of Transportation" or "Secretary" are used, the terms shall be construed to mean the duly authorized representative of the City.

**B. Project Manager:** The term "Engineer" is understood to be the City's Project Manager, who is the City's representative to the Contractor for all purposes under this Agreement. The City designates Bill Bullock as its Project Manager. Contractor designates \_\_\_\_\_ as its Project Manager.

**C. Licenses:** Additionally, by executing this Contract, Contractor certifies it has all other applicable state and local licenses and has not been disbarred from public contracting by either Washington State or the United States Government.

**D. Equal Employment Opportunity Responsibilities:** The Contractor agrees that it will comply with all applicable Federal, State and local non-discrimination laws and regulations in effect at the time this Agreement is executed. The Contractor shall comply with all Federal non-discrimination laws and regulations if any of this Agreement is financed with Federal funds, including any directions by the Federal Highway Administration or other Federal entity with jurisdiction.

- E. Taxes: Contractor is responsible for payment of all applicable taxes, including state sales tax on those projects subject to it. All taxes, including applicable State Sales Taxes, are deemed included in the Contractor's invoices.
- F. Bonding and Insurance Requirements: The City requires the following:
1. Contract bond in the form made a part of this Agreement as specified in Section II.F.2. below. In lieu thereof for projects of thirty-five thousand dollars or less, at the contractor's option, retainage of 50% will be held until releasable under RCW 39.08.010. If Contractor does not submit a contract bond to the City concurrently with the signed contract for projects of thirty-five thousand dollars or less, Contractor agrees that the City can hold retainage of 50% in the manner selected by Contractor on the attached Retainage Investment Option form.
  2. Both a performance bond and payment bond are required hereunder and shall be in the form attached hereto. A performance bond shall guarantee completion of the Project in accordance with this Agreement and under applicable law and the payment bond shall secure payment to those laborers, subcontractors, material suppliers, etc. as specified in RCW 39.08.020. If the Contract involves the construction, alteration, repair, or improvement of any highway, road, or street funded in whole or in part by federal transportation funds, then the payment bond shall also secure payment to the State of Washington, including the departments of Revenue, Employment Security, and Labor and Industries, with respect to taxes imposed pursuant to Titles 50, 51, and 82 RCW which may be due, and the required payment bond shall be relied upon such that retainage shall not be required as set forth in RCW 60.28.011. Any maintenance or guaranty bond required hereunder shall remain effective for at least one year after acceptance of the Project, or until released by the City, whichever is longer, and shall guarantee the City against defects in materials and workmanship in the Project to the extent of 25% of actual cost of the Project. This 25% will either reduce the bond amount or it may require additional bonding.
  3. Unless specifically provided for in this provision, Contractor agrees to obtain liability insurance naming the City as an additional insured in amounts specified in the General Conditions and in the form acceptable to the City, subject to the terms contained in the General Conditions, and to provide a Certificate of Insurance to this effect, together with any required endorsement.
- G. Governing Law and Venue: This Agreement and all provisions hereof shall be interpreted in accordance with the laws of the State of Washington in effect on the date of execution of this Agreement without recourse to any principle of Conflicts of Laws. The Superior Court of Whatcom County, Washington, shall have exclusive jurisdiction and venue over any legal action arising under this Agreement, except if jurisdiction lies

solely in federal court, in which case the U.S. District Court for Western District of Washington shall be the exclusive venue.

### III. PAYMENT, PREVAILING WAGES AND RETAINAGE:

A. The maximum payable hereunder is \$ \_\_\_\_\_, which consists of a contract price of \$ \_\_\_\_\_ and sales tax of \$ \_\_\_\_\_.

B. Contractor will be paid pursuant to the Contract's terms (see General Conditions Section 1-09.9). Payments will only be made for work completed, labor performed, and materials furnished in accordance with the Contract and shall represent the value of the work completed subject to any lawful deductions such as retainage, tax or as otherwise as maybe authorized. Payment does not constitute final acceptance of work performed or materials used therein. A final application for payment shall be prepared upon completion of the work, satisfaction of test requirements and fulfillment of the Contract. Any invoices submitted by Contractor must be approved by the Project Manager prior to payment. No final payment shall be made until the project is accepted by the City. On a public works project where no retainage is withheld pursuant to RCW 60.28.011(1) (b), the affidavit of wages paid must be submitted to the state, county, municipality, or other public body charged with the duty of disbursing or authorizing disbursement of public funds prior to final acceptance of the public works project.

#### C. Change Order Mark-ups

The contractor shall submit a detailed cost proposal for change order work that demonstrates labor, materials and equipment prices with rates to complete said work.

Change order markups shall be limited to the following:

1. 15 percent for labor performed by the prime contractor and subcontractors. This total includes direct payroll costs (social security, unemployment, workers compensation insurance, fringe benefits, builders risk and liability insurance) supervision, small tools, safety, profit and overhead.
2. 15 percent for profit and overhead for materials and equipment
3. 10 percent for prime contractor's oversight of work performed by subcontractors.

Overhead shall include bond, insurance, and applicable taxes.

#### D. Prevailing Wages

1. Prior to any payment hereunder, Contractor is responsible for complying with applicable Washington State Department of Labor and Industries and Department of Revenue requirements and procedures, including but not limited to prevailing wage requirements of RCW Chapter 39.12. If Federal funds are being used, Contractor shall comply with the Davis-Bacon Act and Washington State Department of Labor and Industries requirements. This includes obtaining and timely filing of Intent to

Pay Prevailing Wages, Affidavit of Wages Paid, Notice of Completion of Public Work Contract, and any other required documents.

2. For non-transportation public works projects estimated to cost over \$1 million, the following is required per Washington State law (Engrossed House Bill 2805):
  - a. Contractor or subcontractor directly contracting for “Off-Site, Prefabricated, Non-Standard, Project Specific Items” (“Items”) (as defined below) shall identify and report the information required on the affidavit of wages paid form filed with the Department of Labor and Industries. Contractor shall include language in its subcontracts requiring subcontractors and lower-tier subcontractors to comply with the reporting requirements for Items on the affidavit of wages paid.
  - b. The foregoing reporting requirement for Items shall apply to all public works contracts estimated by the City to cost over \$1 million entered into between the City and Contractor between September 1, 2010 through and including December 31, 2013.
  - c. “Off-Site, Prefabricated, Standard, Project Specific Items” means products or items that are: (i) made primarily of architectural or structural precast concrete, fabricated steel, pipe and pipe systems or sheet metal and sheet metal duct work; (ii) produces specifically for the public work and not considered in the City’s discretion to be regularly available shelf items; (iii) produced or manufactured by labor expended to assemble or modify standard items; and, (iv) produced at an off-site location outside Washington State.
  - d. Contractor or subcontractor shall comply with the reporting requirements and instructions on the affidavit of wages paid form, and shall report the following information on said form that is submitted to the Department of Labor and Industries in order to comply with the reporting requirements for use of Items: (i) the estimated cost of the public works project; (ii) the name of the awarding agency and the project title; (iii) the contract value of the Items produced outside of Washington State, including labor and materials; and, (iv) the name, address, and federal employer identification number of the contractor that produced the Items.
  - e. The City may direct Contractor, at no additional cost to the owner, to remove and substitute any subcontractor(s) found to be out of compliance with the Items reporting requirements more than one time, as determined by the Department of Labor and Industries.
  - f. Retainage will be administered in accordance with RCW 60.28 and the Contract.

**IV. SCOPE OF PROJECT, TECHNICAL SPECIFICATIONS AND CONDITIONS OF WORK:**

- A. Time for Completion: Contractor shall begin work within according to the Notice to Proceed and will complete work on or before the time specified in the Bid Proposal included herein for reference.
- B. Scope of Project: Contractor shall proceed with the scope outlined within the general and special provisions, as further defined by the specifications and amendments thereon.

**EXECUTED**, this \_\_\_\_\_ day of \_\_\_\_\_, 2014, for the Contractor,:

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

**EXECUTED**, this \_\_\_\_\_ day of \_\_\_\_\_, 2014, for the **CITY OF BLAINE**:

**Departmental Approval:**

\_\_\_\_\_  
*City Manager*

\_\_\_\_\_  
*Department Head*

Attested by:

\_\_\_\_\_  
*City Clerk*

**PAYMENT AND PERFORMANCE CONTRACT BOND**  
**to the**  
**CITY OF BLAINE**

**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 \_\_\_\_\_, 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 BLAINE in the penal sum of \$\_\_\_\_\_ for 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 BLAINE**.

**DATED** at \_\_\_\_\_, Washington, this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

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

**WHEREAS**, under and pursuant to Bid Award of the Blaine City Council, the Mayor of said City has let or is about to let to the said bounded Principal, a certain contract, for the said (which contract is referred to herein and is made a part hereof as though attached hereto), and

**NOW, THEREFORE**, if the said Principal shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth, or within such extension of time as may be granted under said contract (notice of which extension being hereby waived by the Surety), and shall pay all laborers, mechanics, subcontractors and material suppliers, 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 harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence of the said principal, or any subcontractor in the performance of said work, and shall hold said City harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence of the said principal, or any subcontractor in the performance of said work, and shall indemnify and hold harmless from any direct or indirect damage or expense by reason or 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, then and in that event this obligation shall be void; but otherwise it shall be and

remain in full force and effect until, at a minimum, claims filed in compliance with Chapter 39.08 RCW are resolved and all other conditions set forth herein are satisfied; PROVIDED FURTHER, that if said contract is a public improvement contract involving the construction, alteration, repair, or improvement of any highway, road, or street funded in whole or in part by federal transportation funds, then an additional condition of the above obligation shall be that this bond secures full payment to the State of Washington, including the departments of Revenue, Employment Security, and Labor and Industries, with respect to taxes imposed pursuant to Titles 50, 51, and 82 RCW which may be due.

**For the Surety:** \_\_\_\_\_

\_\_\_\_\_  
*Principal*

\_\_\_\_\_  
*Name*

\_\_\_\_\_  
*Title*

\_\_\_\_\_  
*Title*

\_\_\_\_\_  
*Address*

**RETAINAGE INVESTMENT OPTION**

Contractor: \_\_\_\_\_ Project Name: \_\_\_\_\_

Date: \_\_\_\_\_ Project Number: \_\_\_\_\_

Pursuant to RCW 60.28.010, as amended, you may exercise an option as to how retainage under this contract will be invested. Please complete and sign this form indicating your preference. If you fail to do so, the City will deposit the funds in a Guarantee Deposit account, and you will miss the benefit of any interest earned. Select one of the following options:

1. **Savings Account:** Money will be placed in an interest-bearing account. The interest will be paid to you directly, rather than kept on deposit. Please state the name of your bank.  
\_\_\_\_\_

2. **Escrow/Investments:** The City will deliver retainage checks to a selected bank, pursuant to an escrow agreement. The bank will then invest the funds in securities or bonds selected by you, and interest will be paid to you as it accrues.  
  
Preferred bank: \_\_\_\_\_  
  
Securities/bonds: \_\_\_\_\_

3. **Guarantee Deposit:** Retainage will be deposited in a manner selected by the City. No interest is payable to the Contractor.

4. **Retainage Bond:** The Bidder shall post a retainage bond equal to 5% of the total bid price on this. If this option is chosen the bidder shall complete the Retainage Bond form on the next page

Retainage is released following receipt of Labor and Industries/Department of Revenue clearance, whichever date is the later. Retainage on landscaping work may be retained longer, due to its seasonal nature.

State law allows for limited early release of retainage in certain circumstances.

\_\_\_\_\_  
*Contractor's Signature*

\_\_\_\_\_  
*Title*

**ESCROW AGREEMENT**

TO BANK: \_\_\_\_\_ ESCROW NO.: \_\_\_\_\_

BANK'S ADDRESS: \_\_\_\_\_

AGENCY: CITY OF BLAINE  
1200 Yew Avenue, Blaine, Washington, 98230

CONTRACT NO.: \_\_\_\_\_

PROJECT TITLE: VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1

The estimated completion date of contract is: \_\_\_\_\_

The undersigned, \_\_\_\_\_, herein referred to as the CONTRACTOR, has directed the CITY OF BLAINE, Washington, hereinafter referred to as the AGENCY, to deliver to you its warrants which shall be payable to you and the CONTRACTOR jointly. Such warrants are to be held and disposed of by you in accordance with the following instructions and upon the terms and conditions hereinafter set forth.

**INSTRUCTIONS**

1. Warrants or checks made payable to you and the CONTRACTOR jointly upon delivery to you shall be endorsed by you and forwarded for collection. The moneys will then be used by you to purchase, as directed by the CONTRACTOR, bonds or other securities chosen by the CONTRACTOR and approved by the AGENCY. Attached is a list of such bonds, or other securities approved by the AGENCY. Other bonds or securities, except stocks may be selected by the CONTRACTOR, subject to express written approval of the AGENCY. Purchase of such bonds or other securities shall be in a form which shall allow you alone to reconvert such bonds or other securities into money if you are required to do so by the AGENCY as provided in Paragraph 4 of this Escrow Agreement.
2. When and as interest on the securities held by you pursuant to this agreement accrues and is paid, you shall collect such interest and forward it to the CONTRACTOR at its address designated below unless otherwise directed by the CONTRACTOR.
3. You are not authorized to deliver to the CONTRACTOR all or any part of the securities held by you pursuant to this agreement (or any moneys derived from the sale of such securities, or the negotiation of the AGENCY'S warrants) except in accordance with written instructions from the AGENCY. Compliance with such instructions shall relieve you of any further liability related thereto.

4. In the event the AGENCY orders you to do so in writing, you shall, within thirty-five (35) days of receipt of such order, reconvert into money the securities held by you pursuant to this agreement and return such money together with any other moneys held by you hereunder, to the AGENCY.

5. The CONTRACTOR agrees to pay you as compensation for your services hereunder as follows:

Payment of all fees shall be the sole responsibility of the CONTRACTOR and shall not be deducted from any property placed with you pursuant to this agreement until and unless the AGENCY directs the release to the CONTRACTOR of the securities and moneys held hereunder whereupon you shall be granted a first lien upon such property released and shall be entitled to reimburse yourself from such property for the entire amount of your fees as provided for herein above. In the event that you are made a party to any litigation with respect to the property held by you hereunder, or in the event that the conditions of this escrow are not promptly fulfilled or that you are required to render any service not provided for in these instructions, or that there is any assignment of the interests of this escrow or any modification hereof, you shall be entitled to reasonable compensation for such extraordinary services from the CONTRACTOR and reimbursement from the CONTRACTOR for all costs and expenses, including attorney fees occasioned by such default, delay, controversy or litigation.

6. This agreement shall not be binding until executed by the CONTRACTOR and the AGENCY and accepted by you.

7. This instrument contains the entire agreement between you, the CONTRACTOR and the AGENCY with respect to this escrow and you are not a party to nor bound by any instrument or agreement other than this; you shall not be required to take notice of any default or any other matter nor be bound by nor required to give notice or demand, nor required to take any action whatever except as herein expressly provided; you shall not be liable for any loss or damage not caused by your own negligence or willful misconduct.

The foregoing provisions shall be binding upon the assigns, successors, personal representatives and heir of the parties hereto.

\_\_\_\_\_  
*Contractor*

CITY OF BLAINE  
\_\_\_\_\_  
*Agency*

By: \_\_\_\_\_

By: \_\_\_\_\_

*Finance Director*

\_\_\_\_\_  
*Title*

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

The above escrow agreement and instructions received and accepted this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

Bank Name

\_\_\_\_\_  
Authorized Officer

\_\_\_\_\_

SECURITIES AUTHORIZED BY AGENCY

1. Bills, certificates, notes or bonds of the United States;
2. Other obligations of the United States or its agencies;
3. Obligations of any corporation wholly owned by the government of the United States;
4. Indebtedness of the Federal Nation Mortgage Association; and
5. Time deposits in commercial banks.

**SAVINGS ACCOUNT AGREEMENT**

TO BANK: \_\_\_\_\_ SAVINGS ACCT NO.: \_\_\_\_\_

BANK'S ADDRESS: \_\_\_\_\_

AGENCY: CITY OF BLAINE  
1200 Yew Avenue, Blaine, Washington, 98230

CONTRACT NO.: \_\_\_\_\_

PROJECT TITLE: VISTA TERRACE SANITARY SEWER IMPROVEMENTS, PHASE 1

The estimated completion date of contract is: \_\_\_\_\_

The undersigned, \_\_\_\_\_, herein referred to as the CONTRACTOR, has directed the CITY OF BLAINE, Washington, hereinafter referred to as the AGENCY, to deliver to you its warrants which shall be payable to you and the CONTRACTOR jointly. Such warrants are to be held and disposed of by you in accordance with the following instructions and upon the terms and conditions hereinafter set forth.

**INSTRUCTIONS**

1. Warrants or checks made payable to you and the CONTRACTOR jointly upon delivery to you shall be endorsed by you and forwarded for collection. The moneys will then be placed by you in an interest-bearing savings account.
2. When and as interest on the savings account accrues and is paid, you shall collect such interest and forward it to the CONTRACTOR at its address designated below unless otherwise directed by the CONTRACTOR.
3. You are not authorized to deliver to the CONTRACTOR all or any part of the principal held by you pursuant to this agreement, except in accordance with written instructions from the AGENCY. Compliance with such instructions shall relieve you of any further liability related thereto.
4. The CONTRACTOR agrees to pay you as compensation for your services hereunder as follows:

Payment of all fees shall be the sole responsibility of the CONTRACTOR and shall not be deducted from any moneys placed with you pursuant to this agreement until and unless the AGENCY directs the release to the CONTRACTOR, whereupon you shall be granted a first lien

upon such moneys released and shall be entitled to reimburse yourself from such moneys for the entire amount of your fees as provided for herein above. In the event that you are made a party to any litigation with respect to the moneys held by you hereunder, or in the event that the conditions of this agreement are not promptly fulfilled, or that you are required to render any service not provided for in these instructions, or that there is any assignment of the interests of this agreement, or any modification hereof, you shall be entitled to reasonable compensation for such extraordinary services for the CONTRACTOR and reimbursement from the CONTRACTOR for all costs and expenses, including attorney fees occasioned by such default, delay, controversy or litigation.

5. This agreement shall not be binding until executed by the CONTRACTOR and the AGENCY and accepted by you.
6. This instrument contains the entire agreement between you, the CONTRACTOR and the AGENCY. You are not a party to nor bound by any instrument or agreement other than this. You shall not be required to take notice of any default or any other matter nor be bound by nor required to give notice or demand, nor required to take any action whatever except as herein expressly provided. You shall not be liable for any loss or damage not caused by your own negligence or willful misconduct.
7. The foregoing provisions shall be binding upon the assigns, successors, personal representatives and heir of the parties hereto.

\_\_\_\_\_  
*Contractor*

By: \_\_\_\_\_

\_\_\_\_\_  
*Title*

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

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

CITY OF BLAINE

\_\_\_\_\_  
*Agency*

By: \_\_\_\_\_

*Finance Director*

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

The above savings account agreement and instructions received and accepted this \_day of \_\_\_\_\_, 2014.

Bank Name

\_\_\_\_\_

Authorized Officer

\_\_\_\_\_

## **NON-COLLUSION DECLARATION**

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

### **NOTICE TO ALL BIDDERS**

To report bid rigging activities call:

**1-800-424-9071**

The U.S. Department of Transportation (USDOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report such activities.

The “hotline” is part of USDOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**BIDDER IDENTIFICATION**

The name of the Bidder submitting this proposal, the address and phone number to which all communications concerned with this proposal shall be made and the number which has been assigned indicating the Bidder is licensed to do business in the State of Washington are as follows:

Firm Name:

Address:

Telephone: \_\_\_\_\_

Contractor's Registration Number: \_\_\_\_\_

The Firm submitting this proposal is a \_\_\_\_\_ Sole Proprietorship  
\_\_\_\_\_ Partnership  
\_\_\_\_\_ Corporation

The names and titles of the principal officers of the corporation submitting this proposal, or of the partnership, or of all persons interested in this proposal as principals are as follows:

_____	_____
_____	_____
_____	_____
_____	_____

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NOTE: Signatures of this proposal must be identified above. Failure to identify the Signatories will be cause for considering the proposal irregular and for subsequent rejection of the bid.

## **SPECIFICATIONS AND CONDITIONS**

## **INTRODUCTION**

The following Amendments and Special Provisions shall be used in conjunction with the 2014 Standard Specifications for Road, Bridge, and Municipal Construction.

### **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

The following Amendments to the Standard Specifications are made a part of this contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

#### **SECTION 1-02, BID PROCEDURES AND CONDITIONS APRIL 7, 2014**

##### **1-02.8(1) Noncollusion Declaration**

The third paragraph is revised to read:

Therefore, by including the Non-collusion Declaration as part of the signed bid Proposal, the Bidder is deemed to have certified and agreed to the requirements of the Declaration.

#### **SECTION 1-03, AWARD AND EXECUTION OF CONTRACT MARCH 3, 2014**

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

The last word of item 3 is deleted.

Item 4 is renumbered to 5.

The following is inserted after item 3 (after the preceding Amendments are applied):

4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and

#### **SECTION 1-04, SCOPE OF THE WORK APRIL 7, 2014**

##### **1-04.4 Changes**

In the third paragraph, item number 1 and 2 are revised to read:

- a. When the character of the Work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
- b. When an item of Work, as defined elsewhere in the Contract, is increased in excess of 125 percent or decreased below 75 percent of the original Contract quantity. For the purpose of this Section, an item of Work will be defined as any item that qualifies for adjustment under the provisions of Section 1-04.6.

## **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC JANUARY 6, 2014**

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

This section is revised to read:

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 Contracting Agency will not adjust its payment if the Contractor bases a Bid on a misunderstood tax liability.

The Contracting Agency may deduct from its payments to the Contractor, retainage or lien the bond, in the amount the Contractor owes the State Department of Revenue, whether the amount owed relates to the Contract in question or not. Any amount so deducted will be paid into the proper State fund on the contractor's behalf. For additional information on tax rates and application refer to applicable RCWs, WACs or the Department of Revenue's website.

#### **1-07.2(1) State Sales Tax: Work Performed on City, County, or Federally-Owned Land**

This section including title is revised to read:

##### **1-07.2(1) State Sales Tax: WAC 458-20-171 – Use Tax**

For Work designated as Rule 171, **Use Tax**, the Contractor shall include for compensation the amount of any taxes paid in the various unit Bid prices or other Contract amounts. Typically, these taxes are collected on materials incorporated into the project and items such as the purchase or rental of; tools, machinery, equipment, or consumable supplies not integrated into the project.

The Summary of Quantities in the Contract Plans identifies those parts of the project that are subject to **Use Tax** under Section 1-07.2(1).

#### **1-07.2(2) State Sales Tax: Work on State-Owned or Private Land**

This section including title is revised to read:

##### **1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax**

For Work designated as Rule 170, **Retail Sales Tax**, the Contractor shall collect from the Contracting Agency, **Retail Sales Tax** on the full Contract price. The Contracting Agency will automatically add this **Retail Sales Tax** to each payment to the Contractor and for this reason; the Contractor shall not include the **Retail Sales Tax** in the unit Bid prices or in any other Contract amount. However, the Contracting Agency will not provide additional compensation to the Prime Contractor or Subcontractor for **Retail Sales Taxes** paid by the Contractor in addition to the **Retail Sales Tax** on the total contract amount. Typically, these taxes are collected on items such as 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 prices or in any other Contract amounts.

The Summary of Quantities in the Contract Plans identifies those parts of the project that are subject to **Retail Sales Tax** under Section 1-07.2(2).

### **1-07.2(3) Services**

This section is revised to read:

Any contract wholly for professional or other applicable services is generally not subject to **Retail Sales Tax** and therefore the Contractor shall not collect **Retail Sales Tax** from the Contracting Agency on those Contracts. Any incidental taxes paid as part of providing the services shall be included in the payments under the contract.

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

**MAY 5, 2014**

### **1-08.1 Subcontracting**

The eighth paragraph is revised to read:

On all projects, the Contractor shall certify to the actual amounts paid to Disadvantaged, Minority, Women's, or Small Business Enterprise firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This Certification shall be submitted to the Project Engineer on a monthly basis each month between Execution of the Contract and Physical Completion of the contract using the application available at: <https://remoteapps.wsdot.wa.gov/mapsdata/tools/dbeparticipation>. The monthly report is due 20 calendar days following the end of the month. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

The ninth paragraph is deleted.

## **SECTION 1-10, TEMPORARY TRAFFIC CONTROL**

**APRIL 7, 2014**

### **1-10.1(1) Materials**

The following material reference is deleted from this section:

Barrier Drums 9-35.8

### **1-10.1(2) Description**

The first paragraph is revised to read:

The Contractor shall provide flaggers, and all other personnel required for labor for traffic control activities and not otherwise specified as being furnished by the Contracting Agency.

### **1-10.2(1) General**

In the third paragraph, the first two sentences are revised to read:

The primary and alternate TCS shall be certified by one of the organizations listed in the Special Provisions. Possession of a current Washington State TCS card and flagging card by the primary and alternate TCS is mandatory.

### **1-10.2(1)B Traffic Control Supervisor**

The first paragraph is revised to read:

A Traffic Control Supervisor (TCS) shall be present on the project whenever flagging or other traffic control labor is being utilized or less frequently, as authorized by the Engineer.

The last paragraph is revised to read:

The TCS may perform the Work described in Section 1-10.3(1)A Flaggers or in Section 1-10.3(1)B Other Traffic Control Labor and be compensated under those Bid items, provided that the duties of the TCS are accomplished.

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

The first paragraph is revised to read:

The traffic control plan or plans appearing in the Contract documents show a method of handling vehicle, bicycle, and pedestrian traffic. All construction signs, flaggers, and other traffic control devices are shown on the traffic control plan(s) except for emergency situations. If the Contractor proposes adding the use of flaggers to a plan, this will constitute a modification requiring approval by the Engineer. The modified plans shall show locations for all the required advance warning signs and a safe, protected location for the flagging station. If flagging is to be performed during hours of darkness, the plan shall include appropriate illumination for the flagging station.

In the second paragraph, the second sentence is revised to read:

Any Contractor-proposed modification, supplement or replacement shall show the necessary construction signs, flaggers, and other traffic control devices required to support the Work.

### **1-10.3(1) Traffic Control Labor**

The first paragraph is revised to read:

The Contractor shall furnish all personnel for flagging, for the execution of all procedures related to temporary traffic control and for 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.

### **1-10.3(1)A Flaggers and Spotters**

This section's title is revised to read:

#### **Flaggers**

The first paragraph is revised to read:

Flaggers shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. The flagging card shall be immediately available and shown to the Contracting Agency upon request.

The last paragraph is deleted.

**1-10.3(1)B Other Traffic Control Labor**

This section is revised to read:

In addition to flagging duties, the Contractor shall provide personnel for all other traffic control procedures required by the construction operations and for the labor to install, maintain and remove any traffic control devices shown on Traffic Control Plans.

**1-10.3(3)B Sequential Arrow Signs**

This section is supplemented with the following sentence:

When used in the caution mode, the four corner mode shall be used.

**1-10.3(3)F Barrier Drums**

This section including title is deleted in its entirety and replaced with the following:

**1-10.3(3)F Vacant**

**1-10.3(3)K Portable Temporary Traffic Control Signs**

The fifth paragraph is revised to read:

The Project Engineer or designee will inspect the signal system at initial installation/operation and approve the signal timing. Final approval will be based on the results of the operational inspection.

**1-10.4(2) Item Bids With Lump Sum for Incidentals**

In the second paragraph, the first and second sentences are revised to read:

“Flaggers” will be measured by the hour. Hours will be measured for each flagging station, shown on an approved Traffic Control Plan, when that station is staffed in accordance with Section 1-10.3(1)A.

The first sentence of the last bulleted item in this section is revised to read:

Installing and removing Barricades, Traffic Safety Drums, Cones, Tubular Markers and Warning Lights and Flashers to carry out approved Traffic Control Plan(s).

**1-10.5(2) Item Bids With Lump Sum for Incidentals**

This section is deleted and replaced with the following:

“Traffic Control Supervisor”, lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10.2(1)B.

“Pedestrian Traffic Control”, lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work for pedestrian traffic control defined in Section 1-10.

“Flaggers”, per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10.3(1)A.

“Other Traffic Control Labor”, per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all labor costs incurred by the Contractor in performing the Work specified for this item in Section 1-10.4(2).

“Construction Signs Class A”, per square foot.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)A. In the event that “Do Not Pass” and “Pass With Care” signs must be left in place, a change order, as described in Section 1-04.4, will be required. When the Bid Proposal contains the item “Sign Covering”, then covering those signs indicated in the Contract will be measured and paid according to Section 8-21.

“Sequential Arrow Sign”, per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)B.

“Portable Changeable Message Sign”, per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work for procuring all portable changeable message signs required for the project and for transporting these signs to and from the project.

“Transportable Attenuator”, per each.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work described in Section 1-10.3(3)J except for costs compensated separately under the items “Operation of Transportable Attenuator” and “Repair Transportable Attenuator”.

“Operation of Transportable Attenuator”, per hour.

The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work for operating transportable attenuators on the project.

“Repair Transportable Attenuator”, by force account.

All costs of repairing or replacing transportable attenuators that are damaged by the motoring public while in use as shown on an approved Traffic Control Plan will be paid for by force account as specified in Section 1-09.6. To provide a common Proposal for all Bidders, the Contracting Agency has estimated the amount of force account for “Repair Transportable Attenuator” and has entered the amount in the Proposal to become a part of the total Bid by the Contractor. Transportable attenuators damaged due to the Contractor’s operation or damaged in any manner when not in use shall be repaired or replaced by the Contractor at no expense to the Contracting Agency.

“Other Temporary Traffic Control”, lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10, and which costs are not compensated by one of the above-listed items.

“Portable Temporary Traffic Control Signal”, lump sum.

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Work as described in Section 1-10.3(3)K, including all costs for traffic control during manual control, adjustment, malfunction, or failure of the portable traffic control signals and during replacement of failed or malfunctioning signals.

## **SECTION 5-01, CEMENT CONCRETE PAVEMENT REHABILITATION JANUARY 6, 2014**

### **5-01.2 Materials**

The referenced section for the following item is revised to read:

Dowel Bars	9-07.5
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**SECTION 5-04, HOT MIX ASPHALT  
JANUARY 6, 2014**

**5-04.3(7)A3 Commercial Evaluation**

The second sentence in the first paragraph is revised to read:

Mix designs for HMA accepted by commercial evaluation shall be submitted to the Project Engineer on WSDOT Form 350-042.

**SECTION 6-02, CONCRETE STRUCTURES  
APRIL 7, 2014**

**6-02.3(1) Classification of Structural Concrete**

In paragraph two, item number 1 is revised to read:

Mix design and proportioning specified in Sections 6-02.3(2), 6-02.3(2)A and 6-02.3(2)A1.

Item number 3 is renumbered to 4.

After the preceding Amendments are applied, the following new numbered item is inserted after item number 2:

3. Temperature and time for placement requirements specified in Section 6-02.3(4)D.

**6-02.3(2) Proportioning Materials**

In the third paragraph, the first sentence is revised to read:

The use of fly ash is required for Class 4000P concrete, except that ground granulated blast furnace slag may be substituted for fly ash at a 1:1 ratio.

In the table titled "Cementitious Requirement for Concrete", the row beginning with "4000D" is deleted.

The fourth paragraph is revised to read:

When both ground granulated blast furnace slag and fly ash are included in the concrete mix, the total weight of both these materials is limited to 40 percent by weight of the total cementitious material for concrete class 4000A, and 50 percent by weight of the total cementitious material for all other classes of concrete.

**6-02.3(2)A Contractor Mix Design**

In the first paragraph, the third sentence is revised to read:

The required average 28 day compressive strength shall be selected in accordance with ACI 318, Chapter 5, Section 5.3.2.

In the first paragraph, the fifth sentence is revised to read:

All proposed concrete mixes except Class 4000D shall meet the requirements in Cementitious Requirement for Concrete in Section 6-02.3(2).

In the fourth paragraph, the fourth sentence is deleted.

In the sixth paragraph, the first sentence is deleted.

In the seventh paragraph, the last sentence is deleted.

The eighth paragraph is revised to read:

Air content for concrete Class 4000D shall conform to Section 6-02.3(2)A1. For all other concrete, air content shall be a minimum of 4.5 percent and a maximum of 7.5 percent for all concrete placed above the finished ground line.

The following new sub-section is added:

**6-02.3(2)A1 Contractor Mix Design for Concrete Class 4000D**

All Class 4000D concrete shall be a project specific performance mix design conforming to the following requirements:

1. Aggregate shall use combined gradation in accordance with Section 9-03.1(5) with a nominal maximum aggregate size of 1-1/2 inches.
2. Permeability shall be less than 2,000 coulombs at 56 days in accordance with AASHTO T 277.
3. Freeze-thaw durability shall be provided by one of the following methods:
  - a. The concrete shall maintain an air content between 4.5 and 7.5 percent.
  - b. The concrete shall maintain a minimum air content that achieves a durability factor of 90 percent, minimum, after 300 cycles in accordance with AASHTO T 161, Procedure A. This air content shall not be less than 3.0 percent. Test samples shall be obtained from concrete batches of a minimum of 3.0 cubic yards.
4. Scaling shall have a visual rating less than or equal to 2 after 50 cycles in accordance with ASTM C 672.
5. Shrinkage at 28 days shall be less than 320 micro strain in accordance with AASHTO T 160.
6. Modulus of elasticity shall be measured in accordance with ASTM C 469.
7. Density shall be measured in accordance with ASTM C 138.

The Contractor shall submit the mix design in accordance with Section 6-02.3(2)A. The submittal shall include test reports for all tests listed above that follow the reporting requirements of the AASHTO/ASTM procedures. Samples for testing may be obtained from either laboratory or concrete plant batches. If concrete plant batches are used, the minimum batch size shall be 3.0 cubic yards. The Contractor shall submit the mix design to the Engineer at least 30 calendar days prior to the placement of concrete in the bridge deck.

#### **6-02.3(4)D Temperature and Time For Placement**

The first two sentences are revised to read:

Concrete temperatures shall remain between 55°F and 90°F while it is being placed, except that Class 4000D concrete temperatures shall remain between 55°F and 75°F during placement. Precast concrete that is heat cured in accordance with Section 6-02.3(25)D shall remain between 50°F and 90°F while being placed.

#### **6-02.3(5)H Sampling and Testing for Compressive Strength and Initial Curing**

The second paragraph is revised to read:

The Contractor shall provide and maintain a sufficient number of cure boxes in accordance with WSDOT FOP for AASHTO T 23 for curing concrete cylinders. The cure boxes shall be readily accessible and no more than 500 feet from the point of acceptance testing, unless otherwise approved by the Engineer. The Contractor shall also provide, maintain and operate all necessary power sources and connections needed to operate the cure boxes. The cure boxes shall be in-place and functioning at the specified temperature for curing cylinders prior to concrete placement. Concrete cylinders shall be cured in the cure boxes in accordance with WSDOT FOP for AASHTO T 23. The cure boxes shall have working locks and the Contractor shall provide the Engineer with one key to each of the locks. Once concrete cylinders are placed in the cure box, the cure box shall not be disturbed until the cylinders have been removed. The Contractor shall retain the cure box Temperature Measuring Device log and provide it to the Engineer upon request.

The following new paragraph is inserted after the last paragraph:

All cure box costs shall be incidental to the associated item of work.

#### **6-02.3(6)A2 Cold Weather Protection**

The first sentence in the first paragraph is revised to read:

This Specification applies when the weather forecast on the day of concrete placement predicts air temperatures below 35°F at any time during the 7 days following placement.

The first sentence of the second paragraph is revised to read:

The temperature of the concrete shall be maintained above 50°F during the entire curing period or 7 days, whichever is greater.

#### **6-02.3(10)D Concrete Placement, Finishing, and Texturing**

This section is supplemented with the following new sub-sections:

##### **6-02.3(10)D1 Test Slab Using Bridge Deck Concrete**

After the Contractor receives the Engineer's approval for the Class 4000D concrete mix design, and a minimum of seven calendar days prior to the first placement of bridge deck concrete, the Contractor shall construct a test slab using concrete of the approved mix design.

The test slab may be constructed on grade, shall have a minimum thickness of eight-inches, shall have minimum plan dimensions of 10-feet along all four edges, and shall be square or rectangular.

During construction of the test slab, the Contractor shall demonstrate concrete sampling and testing, use of the concrete temperature monitoring system, the concrete fogging system, concrete placement system, and the concrete finishing operation. The Contractor shall conduct the demonstration using the same type of equipment to be used for the production bridge decks, except that the Contractor may elect to finish the test slab with a hand-operated strike-board.

After the construction of the test slab and the demonstration of bridge deck construction operations is complete, the Contractor shall remove and dispose of the test slab in accordance with Sections 2-02.3 and 2-03.3(7)C.

#### **6-02.3(10)D2 Preparation for Concrete Placement**

Before placing bridge approach slab concrete, the subgrade shall be constructed in accordance with Sections 2-06 and 5-05.3(6).

Before any concrete is placed, the finishing machine shall be operated over the entire length of the deck/slab to check screed deflection. Concrete placement may begin only if the Engineer approves after this test.

Immediately before placing concrete, the Contractor shall check (and adjust if necessary) all falsework and wedges to minimize settlement and deflection from the added mass of the concrete deck/slab. The Contractor shall also install devices, such as telltales, by which the Engineer can readily measure settlement and deflection.

#### **6-02.3(10)D3 Concrete Placement**

The placement operation shall cover the full width of the bridge deck or the full width between construction joints. The Contractor shall locate any construction joint over a beam or web that can support the deck/slab on either side of the joint. The joint shall not occur over a pier unless the Plans permit. Each joint shall be formed vertically and in true alignment. The Contractor shall not release falsework or wedges supporting bridge deck placement sections on either side of a joint until each side has aged as these Specifications require.

Placement of concrete for bridge decks and bridge approach slabs shall comply with Section 6-02.3(6). In placing the concrete, the Contractor shall:

1. Place it (without segregation) against concrete placed earlier, as near as possible to its final position, approximately to grade, and in shallow, closely spaced piles;
2. Consolidate it around reinforcing steel by using vibrators before strike-off by the finishing machine;
3. Not use vibrators to move concrete;
4. Not revibrate any concrete surface areas where workers have stopped prior to screeding;

5. Remove any concrete splashed onto reinforcing steel in adjacent segments before concreting them;
6. Maintain a slight excess of concrete in front of the screed across the entire width of the placement operation;
7. Operate the finishing machine to create a surface that is true and ready for final finish without overfinishing or bringing excessive amounts of mortar to the surface; and
8. Leave a thin, even film of mortar on the concrete surface after the last pass of the finishing machine pan.

Workers shall complete all post screeding operations without walking on the concrete. This may require work bridges spanning the full width of the deck/slab.

After removing the screed supports, the Contractor shall fill the voids with concrete (not mortar).

If the surface left by the finishing machine is porous, rough, or has minor irregularities, the Contractor shall float the surface of the concrete. Floating shall leave a smooth and even surface. Float finishing shall be kept to the minimum number of passes necessary to seal the surface. The floats shall be at least 4-feet long. Each transverse pass of the float shall overlap the previous pass by at least half the length of the float. The first floating shall be at right angles to the strike-off. The second floating shall be at right angles to the centerline of the span. A smooth riding surface shall be maintained across construction joints.

The edge of completed roadway slabs at expansion joints and compression seals shall have a 3/8-inch radius.

After floating, but while the concrete remains plastic, the Contractor shall test the entire deck/slab for flatness (allowing for crown, camber, and vertical curvature). The testing shall be done with a 10-foot straightedge held on the surface. The straightedge shall be advanced in successive positions parallel to the centerline, moving not more than one half the length of the straightedge each time it advances. This procedure shall be repeated with the straightedge held perpendicular to the centerline. An acceptable surface shall be one free from deviations of more than 1/8-inch under the 10-foot straightedge.

If the test reveals depressions, the Contractor shall fill them with freshly mixed concrete, strike off, consolidate, and refinish them. High areas shall be cut down and refinished. Retesting and refinishing shall continue until a surface conforming to the requirements specified above is produced.

#### **6-02.3(10)D4 Monitoring Bridge Deck Concrete Temperature After Placement**

The Contractor shall monitor and record the concrete temperature and ambient temperature hourly for seven calendar days after placement. The Contractor shall monitor and record concrete temperature by placing two maturity meter temperature monitoring devices in the bridge deck at locations specified by the Engineer. The Contractor shall monitor ambient temperature using maturity meters near the locations where concrete temperature is being

monitored. When the bridge deck is being enclosed and heated to meet cold weather requirements, ambient temperature readings shall be taken within the enclosure. The Contractor shall submit the concrete temperature and ambient temperature data to the Engineer in spreadsheet format within 14 calendar days from placing the bridge deck concrete.

The Contractor shall submit the type and model of maturity meter temperature monitoring device, and the associated devices responsible for recording and documenting the temperature and curing time, to the Engineer at least 14 calendar days prior to the pre-concreting conference for the first bridge deck to be cast. The placement and operation of the temperature monitoring devices and associated devices will be an agenda item at the pre-concreting conference for the first bridge deck to be cast.

#### **6-02.3(10)D5 Bridge Deck Concrete Finishing and Texturing**

Except as otherwise specified for portions of bridge decks receiving an overlay or sidewalk under the same Contract, the Contractor shall texture the surface of the bridge deck as follows:

The Contractor shall texture the bridge deck using diamond tipped saw blades mounted on a power driven, self-propelled machine that is designed to texture concrete surfaces. The grooving equipment shall provide grooves that are  $1/8" \pm 1/64"$  wide,  $3/16" \pm 1/16"$  deep, and spaced at  $3/4" \pm 1/8"$ . The bridge deck shall not be textured with a metal tined comb.

The Contractor shall submit the type of grooving equipment to be used to the Engineer for approval 30 calendar days prior to performing the work. The Contractor shall demonstrate that the method and equipment for texturing the bridge deck will not chip, spall or otherwise damage the deck. The Contractor shall not begin texturing the bridge deck until receiving the Engineer's approval of the Contractor's method and equipment.

Unless otherwise approved by the Engineer, the Contractor shall texture the concrete bridge deck surface either in a longitudinal direction, parallel with centerline or in a transverse direction, perpendicular with centerline. The Contractor shall texture the bridge deck surface to within 3-inches minimum and 15-inches maximum of the edge of concrete at expansion joints, within 1-foot minimum and 2-feet maximum of the curb line, and within 3-inches minimum and 9-inches maximum of the perimeter of bridge drain assemblies.

The Contractor shall contain and collect all concrete dust and debris generated by the bridge deck texturing process, and shall dispose of the collected concrete dust and debris in accordance with Section 2-03.3(7)C.

If the Plans call for placement of a sidewalk or an HMA or concrete overlay on the bridge deck, the Contractor shall produce the final finish of these areas by dragging a strip of damp, seamless burlap lengthwise over the bridge deck or by brooming it lightly. Approximately 3-feet of the drag shall contact the surface, with the least possible bow in its leading edge. It shall be kept wet and free of hardened lumps of concrete. When the burlap drag fails to produce the required finish, the Contractor shall replace it. When not in use, it shall be lifted clear of the bridge deck.

After the bridge deck has cured, the surface shall conform to the surface smoothness requirements specified in Section 6-02.3(10)D3.

The surface texture on any area repaired to address out-of-tolerance surface smoothness shall match closely that of the surrounding bridge deck area at the completion of the repair. Methods used to remove high spots shall cut through the mortar and aggregate without breaking or dislodging the aggregate or causing spalls.

#### **6-02.3(10)D6 Bridge Approach Slab Finishing and Texturing**

Bridge approach slabs shall be textured either in accordance with Section 6-02.3(10)D5, or using metal tined combs in the transverse direction, except bridge approach slabs receiving an overlay in the same Contract shall be finished as specified in Section 6-02.3(10)D5 only.

The comb shall be made of a single row of metal tines. It shall leave striations in the fresh concrete approximately 3/16-inch deep by 1/8-inch wide and spaced approximately 1/2-inch apart. The Engineer will decide actual depths at the site. If the comb has not been approved, the Contractor shall obtain the Engineer's approval by demonstrating it on a test section. The Contractor may operate the combs manually or mechanically, either singly or with several placed end to end. The timing and method used shall produce the required texture without displacing larger particles of aggregate.

Texturing shall end 2-feet from curb lines. This 2-foot untextured strip shall be hand finished with a steel trowel.

Surface smoothness, high spots, and low spots shall be addressed as specified in Section 6-02.3(10)D5. The surface texture on any area cut down or built up shall match closely that of the surrounding bridge approach slab area. The entire bridge approach slab shall provide a smooth riding surface.

#### **6-02.3(11) Curing Concrete**

Items number 1 through 4 are deleted and replaced with the following 5 new numbered items:

1. Bridge sidewalks, roofs of cut and cover tunnels — curing compound covered by white, reflective type sheeting or continuous wet curing. Curing by either method shall be for at least 10 days.
2. Bridge decks — See Section 6-02.3(11)B.
3. Bridge approach slabs (Class 4000A concrete) - 2 coats of curing compound and continuous wet cure for at least 10-days.
4. Concrete barriers and rail bases – See Section 6-02.3(11)A.
5. All other concrete surfaces — continuous wet cure for at least three days.

In the second paragraph, the first sentence is replaced with the following three new sentences:

During the continuous wet cure, the Contractor shall keep all exposed concrete surfaces saturated with water. Formed concrete surfaces shall be kept in a continuous wet cure by

leaving the forms in place. If forms are removed during the continuous wet cure period, the Contractor shall treat the concrete as an exposed concrete surface.

The third paragraph is revised to read:

When curing Class 4000A, two coats of curing compound that complies with Section 9-23.2 shall be applied immediately (not to exceed 15 min.) after tining any portion of the bridge approach slab. The continuous wet cure shall be established as soon as the concrete has set enough to allow covering without damaging the finish.

In the fifth paragraph, the first sentence is revised to read:

If the Plans call for an asphalt overlay on the bridge approach slab, the Contractor shall use the clear curing compound (Type 1, Class B), applying at least 1 gallon per 150 square feet to the concrete surface.

The eighth paragraph is deleted.

### **6-02.3(11)B Curing Bridge Decks**

This new section is supplemented with the following new sub-sections:

#### **6-02.3(11)B1 Equipment**

The Contractor shall maintain a wet sheen, without developing pooling or sheeting water, using a fogging apparatus consisting of pressure washers with a minimum nozzle output of 1,500 psi, or other means approved by the Engineer.

The Contractor shall submit a bridge deck curing plan to the Engineer a minimum 14 calendar days prior to the pre-concreting conference. The Contractor's plan shall describe the sequence and timing that will be used to fog the bridge deck, apply pre-soaked burlap, install soaker hoses and cover the deck with white reflective sheeting.

#### **6-02.3(11)B2 Curing**

The fogging apparatus shall be in place and charged for fogging prior to beginning concrete placement for the bridge deck.

The Contractor shall presoak all burlap to be used to cover the deck during curing.

Immediately after the finishing machine passes over finished concrete, the Contractor shall implement the following tasks:

1. The Contractor shall fog the bridge deck while maintaining a wet sheen without developing pooling or sheeting water.
2. The Contractor shall apply the presoaked burlap to the top surface to fully cover the deck without damaging the finish, other than minor marring of the concrete surface. The Contractor shall not apply curing compound.
3. The Contractor shall continue to keep the burlap wet by fog spraying until the burlap is covered by soaker hoses and white reflective sheeting. The Contractor shall place

the soaker hoses and whiter reflective sheeting after the concrete has achieved initial set. The Contractor shall charge the soaker hoses frequently so as to keep the burlap covering the entire deck wet during the course of curing.

As an alternative to tasks 2 and 3 above, the Contractor may propose a curing system using proprietary curing blankets specifically manufactured for bridge deck curing. Details of the proprietary curing blanket system, including product literature and details of how the system is to be installed and maintained, shall be submitted to the Engineer for approval.

The wet curing regime as described shall remain in place for at least 14 consecutive calendar days.

#### **6-02.3(12)A Construction Joints in New Construction**

The third paragraph is deleted and replaced with the following three new paragraphs:

If the Plans require a roughened surface on the joint, the Contractor shall strike it off to leave grooves at right angles to the length of the member. Grooves shall be installed using one of the following options:

1. Grooves shall be ½ to 1 inch wide, ¼ to ½ inch deep, and spaced equally at twice the width of the groove. Grooves shall terminate approximately 1 ½-inches from the face of concrete.
2. Grooves shall be 1 to 2 inches wide, a minimum of ½-inch deep, and spaced a maximum of three times the width of the groove. Grooves shall terminate approximately 1 ½-inches from the face of concrete.

If the Engineer approves, the Contractor may use an alternate method to produce a roughened surface on the joint, provided that such an alternate method leaves a roughened surface of at least a ¼-inch amplitude.

If the first strike-off does not produce the required roughness, the Contractor shall repeat the process before the concrete reaches initial set. The final surface shall be clean and without laitance or loose material.

#### **6-02.3(15) Date Numerals**

The third sentence in the first paragraph is revised to read:

When an existing Structure is widened or when traffic barrier is placed on an existing Structure, the date shall be for the year in which the original Structure was completed.

**6-02.3(17)A Design Loads**

The fifth paragraph is revised to read:

Live loads shall consist of a minimum uniform load of not less than 25 psf, applied over the entire falsework plan area, plus the greater of:

1. Actual weights of the deck finishing equipment applied at the rails, or;
2. A minimum load of 75 pounds per linear foot applied at the edge of the bridge deck.

**6-02.3(17)J Face Lumber, Studs, Wales, and Metal Forms**

The second to last paragraph is deleted.

**6-02.3(17)O Early Concrete Test Cylinder Breaks**

The third paragraph is revised to read:

The cylinders shall be cured in the field in accordance with WSDOT FOP for AASHTO T 23 Section 10.2 Field Curing.

**6-02.3(20) Grout for Anchor Bolts and Bridge Bearings**

The first five paragraphs are deleted and replaced with the following two new paragraphs:

Grout shall conform to Section 9-20.3(2) for anchor bolts and for bearing assemblies with bearing plates. Grout shall conform to Section 9-20.3(3) for elastomeric bearing pads and fabric pad bearings without bearing plates.

Grout shall be a workable mix with a viscosity that is suitable for the intended application. The Contractor shall receive approval from the Engineer before using the grout.

**6-02.3(26)F Prestressing Reinforcement**

The last sentence in the fourth paragraph is revised to read:

If the prestressing reinforcement will not be stressed and grouted for more than 7 calendar days after it is placed in the ducts, the Contractor shall place an approved corrosion inhibitor conforming to Federal Specification MIL-I-22110C in the ducts.

**6-02.5 Payment**

In the paragraph following the bid item "Commercial Concrete", per cubic yard the second sentence is revised to read:

All costs in connection with concrete curing, and furnishing and applying pigmented sealer to concrete surfaces as specified, shall be included in the unit contract price per cubic yard for "Conc. Class \_\_\_\_".

The following new paragraph is inserted after the bid item “Superstructure (name bridge)”, lump sum:

All costs in connection with constructing, finishing and removing the bridge deck test slab as specified in Section 6-02.3(10)D1 shall be included in the lump sum Contract price for “Superstructure\_\_\_” or “Bridge Deck\_\_\_” for one bridge in each project, as applicable.

The bid item “Cure Box”, lump sum and paragraph following bid item are deleted.

## **SECTION 6-05, PILING MARCH 3, 2014**

### **6-05.3(4) Manufacture of Steel Casings for Cast-In-Place Concrete Piles**

This section is revised to read:

The diameter of steel casings shall be as specified in the Contract. A full-penetration groove weld between welded edges is required.

### **6-05.3(5) Manufacture of Steel Piles**

This section is revised to read:

Steel piles shall be made of rolled steel H-pile sections, steel pipe piles, or of other structural steel sections described in the Contract. A full-penetration groove weld between welded edges is required.

### **6-05.3(6) Splicing Steel Casings and Steel Piles**

This section is revised to read:

The Engineer will normally permit steel piles and steel casings for cast-in-place concrete piles to be spliced. But in each case, the Contractor shall obtain approval on the need and the method for splicing. Welded splices shall be spaced at a minimum distance of 10 feet. Only welded splices will be permitted.

Splice welds for steel piles shall comply with Section 6-03.3(25) and AWS D1.1/D1.1M, latest edition, Structural Welding Code. Splicing of steel piles shall be performed in accordance with an approved weld procedure. The Contractor shall submit a weld procedure to the Engineer for approval prior to welding. For ASTM A 252 material, mill certification for each lot of pipe to be welded shall accompany the submittal. The ends of all steel pipe piling shall meet the fit-up requirements of AWS D1.1/D1.1M, latest edition, Structural Welding Code Section 5.22.3.1, “Girth Weld Alignment (Tubular),” when the material is spliced utilizing a girth weld.

Splice welds of steel casings for cast-in-place concrete piles shall be the Contractor’s responsibility and shall be welded in accordance with AWS D1.1/D1.1M, latest edition, Structural Welding Code. A weld procedure submittal is not required for steel casings used for cast-in-place concrete piles. Casings that collapse or are not watertight, shall be replaced at the Contractor’s expense.

**SECTION 6-07, PAINTING  
JANUARY 6, 2014**

**6-07.3(10)E Surface Preparation – Full Paint Removal**

This section is revised to read:

For structures where full removal of existing paint is specified, the Contractor shall remove any visible oil, grease, and road tar in accordance with SSPC-SP 1.

Following preparation by SSPC-SP 1, all steel surfaces to be painted shall be prepared in accordance with SSPC-SP 10, near-white metal blast cleaning. Surfaces inaccessible to near-white metal blast cleaning shall be prepared in accordance with SSPC-SP 11, power tool cleaning to bare metal, as allowed by the Engineer.

**SECTION 6-14, GEOSYNTHETIC RETAINING WALLS  
APRIL 7, 2014**

**6-14.2 Materials**

In the first paragraph, the section number next to “Anchor rods and associated nuts, washers and couplers” is revised to read:

9-06.5(4)

The following new paragraph is inserted after the first paragraph:

Anchor plate shall conform to ASTM A 36, ASTM A 572 Grade 50, or ASTM A 588.

**SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL  
APRIL 7, 2014**

**8-01.3(1)A Submittals**

The first sentence in the second paragraph is revised to read:

Modified TESC Plans shall meet all requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109.

**SECTION 8-04, CURBS, GUTTERS, AND SPILLWAYS  
JANUARY 6, 2014**

**8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

The first sentence in the fourth paragraph is revised to read:

Expansion joints in the curb or curb and gutter shall be spaced as shown in the Plans, and placed at the beginning and ends of curb returns, drainage Structures, bridges, and cold joints with existing curbs and gutters.

**8-04.3(1)A Extruded Cement Concrete Curb**

The second sentence in the second paragraph is revised to read:

Cement concrete curbs shall be anchored to the existing pavement by placing steel reinforcing bars 1 foot on each side of every joint.

The third paragraph is revised to read:

Steel reinforcing bars shall meet the dimensions shown in the Standard Plans.

**SECTION 8-09, RAISED PAVEMENT MARKERS**

**APRIL 7, 2014**

**8-09.3(6) Recessed Pavement Marker**

The following sentence is inserted after the first sentence of the first paragraph:

The Contractor shall ensure that grinding of the pavement does not result in any damage, (e.g. chipping, spalling or raveling) to the pavement to remain.

**SECTION 8-11, GUARDRAIL**

**APRIL 7, 2014**

**8-11.3(1) Beam Guardrail**

After the below Amendments to 8-11.3(1)F and 8-11.3(1)G are applied, this section is supplemented with the following new sub-section:

**8-11.3(1)F Removing and Resetting Beam Guardrail**

The Contractor shall remove and reset existing guardrail posts, rail element, hardware and blocks to the location shown in the Plans. The mounting height of reset rail element shall be at the height shown in the Plans. The void caused by the removal of the post shall be backfilled and compacted.

The Contractor shall remove and replace any existing guardrail posts and blocks that are not suited for re-use, as staked by the Engineer. The void caused by the removal of the post shall be backfilled and compacted. The Contractor shall then furnish and install a new guardrail post to provide the necessary mounting height.

**8-11.3(1)A Erection of Posts**

The second paragraph in this section is deleted.

**8-11.3(1)C Terminal and Anchor Installation**

The last sentence in the last paragraph is deleted.

**8-11.3(1)F Plans**

This section number is revised to:

**8-11.3(1)G**

**8-11.3(1)G Guardrail Construction Exposed to Traffic**

This section number is revised to:

**8-11.3(1)H**

**SECTION 8-20, ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL  
APRIL 7, 2014**

**8-20.3(8) Wiring**

The second sentence in the eleventh paragraph is revised to read:

Every conductor at every wire termination, connector, or device shall have an approved wire marking sleeve bearing, as its legend, the circuit number indicated in the Contract.

**SECTION 8-23, TEMPORARY PAVEMENT MARKINGS  
APRIL 14, 2014**

This section’s content is deleted in its entirety and replaced with the following new sub-sections:

**8-23.1 Description**

The Work consists of furnishing, installing, and removing temporary pavement markings. Temporary pavement markings shall be provided where noted in the Plans; for all lane shifts and detours resulting from construction activities; or when permanent markings are removed because of construction operations.

**8-23.2 Materials**

Materials for temporary markings shall be paint, plastic, tape, raised pavement markers or flexible raised pavement markers. Materials for pavement markings shall meet the following requirements:

Raised Pavement Markers	9-21
Temporary Marking Paint	9-34.2(6)
Plastic	9-34.3
Glass Beads for Pavement Marking Materials	9-34.4
Temporary Pavement Marking Tape	9-34.5
Temporary Flexible Raised Pavement Markers	9-34.6

**8.23.3 Construction Requirements**

**8-23.3(1) General**

The Contractor shall select the type of pavement marking material in accordance with the Contract.

### **8-23.3(2) Preliminary Spotting**

All preliminary layout and marking in preparation for application or removal of temporary pavement markings shall be the responsibility of the Contractor.

### **8-23.3(3) Preparation of Roadway Surface**

Surface preparation for temporary pavement markings shall be in accordance with the manufacturer's recommendations.

### **8-23.3(4) Pavement Marking Application**

#### **8-23.3(4)A Temporary Pavement Markings – Short Duration**

Temporary pavement markings – short duration shall meet the following requirements:

**Temporary Center Line** – A BROKEN line used to delineate adjacent lanes of traffic moving in opposite directions. The broken pattern shall be based on a 40-foot unit, consisting of a 4-foot line with a 36-foot gap if paint or tape is used. If temporary raised pavement markers are used, the pattern shall be based on a 40-foot unit, consisting of a grouping of three temporary raised pavement markers, each spaced 3 feet apart, with a 34 foot gap.

**Temporary Edge Line** – A SOLID line used on the edges of Traveled Way. The line shall be continuous if paint or tape is used. If temporary raised pavement markers are used, the line shall consist of markers installed continuously at 5-foot spacing.

**Temporary Lane Line** – A BROKEN line used to delineate adjacent lanes with traffic traveling in the same direction. The broken pattern shall be based on a 40-foot unit, consisting of a 4-foot line with a 36-foot gap, if paint or tape is used. If temporary raised pavement markers are used, the pattern shall be based on a 40-foot unit, consisting of a grouping of three temporary raised pavement markers, each spaced 3 feet apart, with a 34 foot gap.

Lane line and right edge line shall be white in color. Center line and left edge line shall be yellow in color. Edge lines shall be installed only if specifically required in the Contract. All temporary pavement markings shall be retroreflective.

#### **8-23.3(4)A1 Temporary Pavement Marking Paint**

Paint used for short duration temporary pavement markings shall be applied in one application at a thickness of 15 mils or 108 square feet per gallon. Glass beads shall be in accordance with Section 8-22.3(3)G.

#### **8-23.3(4)A2 Temporary Pavement Marking Tape**

Application of temporary pavement marking tape shall be in conformance with the manufacturer's recommendations.

Black mask pavement marking tape shall mask the existing line in its entirety.

**8-23.3(4)A3 Temporary Raised Pavement Markers**

Temporary raised pavement markers are not allowed on bituminous surface treatments.

**8-23.3(4)A4 Temporary Flexible Raised Pavement Markers**

Flexible raised pavement markers are required for new applications of bituminous surface treatments. Flexible raised pavement markers are not allowed on other pavement types unless otherwise specified or approved by the Engineer. Flexible raised pavement markers shall be installed with the protective cover in place. The cover shall be removed immediately after spraying asphaltic material.

**8-23.3(4)B Temporary Pavement Markings – Long Duration**

Application of paint, pavement marking tape and plastic for long duration pavement markings shall meet the requirements of Section 8-22.3(3); application of raised pavement markers shall meet the requirements of Section 8-09.3; and application of flexible pavement markings shall be in conformance with the manufacturer's recommendations.

**8-23.3(4)C Tolerance for Lines**

Tolerance for lines shall conform to Section 8-22.3(4).

**8-23.3(4)D Maintenance of Pavement Markings**

Temporary pavement markings shall be maintained in serviceable condition throughout the project until permanent pavement markings are installed. As directed by the Engineer; temporary pavement markings that are damaged, including normal wear by traffic, shall be repaired or replaced immediately. Repaired and replaced pavement markings shall meet the requirements for the original pavement marking.

**8-23.3(4)E Removal of Pavement Markings**

Removal of temporary paint is not required prior to paving; all other temporary pavement markings shall be removed.

All temporary pavement markings that are required on the wearing course prior to construction of permanent pavement markings and are not a part of the permanent markings shall be completely removed concurrent with or immediately subsequent to the construction of the permanent pavement markings. Temporary flexible raised pavement markers on bituminous surface treatment pavements shall be cut off flush with the surface if their location conflicts with the alignment of the permanent pavement markings.

All damage to the permanent Work caused by removing temporary pavement markings shall be repaired by the Contractor at no additional cost to the Contracting Agency.

#### **8-23.4 Measurement**

Temporary pavement markings will be measured by the linear foot of each installed line or grouping of markers, with no deduction for gaps in the line or markers and no additional measurement for the second application of paint required for long duration paint lines. Short duration and long duration temporary pavement markings will be measured for the initial installation only; maintenance of lines will not be measured.

#### **8-23.5 Payment**

Payment will be made in accordance with Section 1-04.1, for each of the following Bid items that are included in the Proposal:

“Temporary Pavement Marking – Short Duration”, per linear foot.

“Temporary Pavement Marking – Long Duration”, per linear foot.

The unit Contract price per linear foot for “Temporary Pavement Marking – Short Duration” and “Temporary Pavement Marking – Long Duration” shall be full pay for all Work.

### **SECTION 9-03, AGGREGATES**

**APRIL 7, 2014**

#### **9-03.1(2)C Use of Substandard Gradings**

This section including title is deleted in its entirety and replaced with the following:

**Vacant**

#### **9-03.14(3) Common Borrow**

This section is revised to read:

Material for common borrow shall consist of granular or nongranular soil and/or aggregate which is free of deleterious material. Deleterious material includes wood, organic waste, coal, charcoal, or any other extraneous or objectionable material. The material shall not contain more than 3 percent organic material by weight. The plasticity index shall be determined using test method AASHTO T 89 and AASHTO T 90.

The material shall meet one of the options in the soil plasticity table below.

Soil Plasticity Table

Option	Sieve	Percent Passing	Plasticity Index
1	No. 200	0 - 12	N/A
2	No. 200	12.1 - 35	6 or Less
3	No. 200	Above 35	0

All percentages are by weight.

If requested by the Contractor, the plasticity index may be increased with the approval of the Engineer.

**9-03.14(4) Gravel Borrow for Structural Earth Wall**

In the second table, the row beginning with “pH” is revised to read:

pH	WSDOT Test Method T 417	4.5 - 9	5 – 10
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**SECTION 9-05, DRAINAGE STRUCTURES AND CULVERTS  
APRIL 7, 2014**

**9-05.13 Ductile Iron Sewer Pipe**

The first paragraph is deleted.

**SECTION 9-07, REINFORCING STEEL  
JANUARY 6, 2014**

**9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement)**

This section’s title is revised to read:

**9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement and Cement Concrete Pavement Rehabilitation)**

**SECTION 9-09, TIMBER AND LUMBER  
JANUARY 6, 2014**

**9-09.3(1) General Requirements**

The fourth paragraph is revised to read:

All orders of treated timber and lumber shall be accompanied by a Certificate of Treatment record. The Certificate of Treatment showing conformance to this specification and AWWA standards shall include the following information:

Name and location of the wood preserving company,  
Customer identification,  
Date of treatment and charge number,  
Type of chemical used and amount of retention,  
Treating process and identification of the Specification used,  
Boring records verifying treatment penetration for timber and lumber with a nominal dimension of 6" x 6" or larger,  
Description of material that was treated, and  
Signature of a responsible plant official.

The fifth paragraph is deleted.

The first sentence in the last paragraph is revised to read:

All timber and lumber to be used in aquatic environments, unless specified otherwise in the Contract, shall be chemically treated using Western Wood Preservers Institute Best Management Practices (BMPs).

**SECTION 9-10, PILING  
MARCH 3, 2014**

**9-10.5 Steel Piling**

This section is revised to read:

The material for rolled steel piling H-piling and pile splices shall conform to ASTM A 36, ASTM A 572 or ASTM A 992. The material for steel pipe piling and splices shall conform to one of the following requirements except as specifically noted in the Plans:

1. API 5L Grade X42 or X52 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter.
2. ASTM A 252 Grade 2 or 3 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter. For the purposes of welding and prequalification of base metal, steel pipe pile designated as ASTM A 252 may be treated as prequalified provided the chemical composition conforms to a prequalified base metal classification listed in Table 3.1 of the AWS D1.1/D1.1M, latest edition, Structural Welding Code, the grade of pipe piling meets or exceeds the grade specified in the Plans, and the carbon equivalent (CE) is a maximum of 0.45-percent.

3. ASTM A 572 or ASTM A 588 material may be used for longitudinal seam welded piles of any diameter.

For helical (spiral) seam submerged-arc welded pipe piles, the maximum radial offset of strip/plate edges shall be 1/8 inch. The offset shall be transitioned with a taper weld and the slope shall not be less than a 1 in 2.5 taper. The weld reinforcement shall not be greater than 3/16 inches and misalignment of weld beads shall not exceed 1/8 inch.

Steel soldier piles, and associated steel bars and plates, shall conform to ASTM A 36, ASTM A 572 or ASTM A 992, except as otherwise noted in the Plans.

All steel piling may be accepted by the Engineer based on the Manufacturer's Certificate of Compliance submitted in accordance with Section 1-06.3. The manufacturer's certificate of compliance submittal for steel pipe piles shall be accompanied by certified mill test reports, including chemical analysis and carbon equivalence, for each heat of steel used to fabricate the steel pipe piling.

## **SECTION 9-14, EROSION CONTROL AND ROADSIDE PLANTING APRIL 7, 2014**

### **9-14.4(6) Gypsum**

The first sentence is revised to read:

Gypsum shall consist of Calcium Sulfate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) in a pelletized or granular form.

### **9-14.4(7) Tackifier**

This section is revised to read:

Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifiers shall contain no growth or germination-inhibiting materials and shall not reduce infiltration rates. Tackifiers shall hydrate in water and readily blend with other slurry materials.

The Contractor shall provide test results documenting the tackifier meets the requirements for Acute Toxicity, Solvents, and Heavy Metals as required in Table 1 in Section 9-14.4(2). The tests shall be performed at the manufacturer's recommended application rate.

### **9-14.4(8) Compost**

The second paragraph is revised to read:

Compost production and quality shall comply with WAC 173-350.

#### **9-14.4(8)A Compost Submittal Requirements**

Item 2 is revised to read:

5. A copy of the Solid Waste Handling Permit issued to the manufacturer by the Jurisdictional Health Department in accordance with WAC 173-350 (Minimum Functional Standards for Solid Waste Handling).

### **9-14.6(2) Quality**

The second and third paragraphs in this section are revised to read:

All plant material shall comply with State and Federal laws with respect to inspection for plant diseases and insect infestation. Plants must meet Washington State Department of Agriculture plant quarantines and have a certificate of inspection. Plants originating in Canada must be accompanied by a phytosanitary certificate stating the plants meet USDA health requirements.

All plant material shall be purchased from a nursery licensed to sell plants in their state or province.

## **SECTION 9-29, ILLUMINATION, SIGNAL, ELECTRICAL APRIL 7, 2014**

### **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

The following new subsection is added:

#### **9-29.3(3) Wire Marking Sleeves**

Wire marking sleeves shall be full-circle in design, non-adhesive, printable using an indelible ink and shall fit snugly on the wire or cable. Marking sleeves shall be made from a PVC or polyolefin, and provide permanent identification for wires and cables.

## **SECTION 9-34, PAVEMENT MARKING MATERIAL APRIL 14, 2014**

### **9-34.2 Paint**

The second paragraph is revised to read:

Blue and black paint shall comply with the requirements of yellow paint in Section 9-34.2(4) and Section 9-34.2(5), with the exception that blue and black paints do not need to meet the requirements for titanium dioxide, directional reflectance, and contrast ratio.

### **9-34.5 Temporary Pavement Marking Tape**

This section is revised to read:

Biodegradable tape with paper backing is not allowed.

This section is supplemented with the following new sub-sections:

#### **9-34.5(1) Temporary Pavement Marking Tape – Short Duration**

Temporary pavement marking tape for short duration shall conform to ASTM D4592 Type II except that black tape, black mask tape and the black portion of the contrast removable tape, shall be non-reflective.

**9-34.5(2) Temporary Pavement Marking Tape – Long Duration**

Temporary pavement marking tape for long duration shall conform to ASTM D4592 Type I. Temporary pavement marking tape for long duration, except for black tape, shall have a minimum initial coefficient of retroreflective luminance of  $200 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$  when measured in accordance with ASTM E 2832 or ASTM E 2176. Black tape, black mask tape and the black portion of the contrast removable tape, shall be non-reflective.

**9-34.6 Temporary Raised Pavement Markers**

This section's title is revised to read:

**Temporary Flexible Raised Pavement Markers**

The second paragraph is deleted.

**SECTION 9-35, TEMPORARY TRAFFIC CONTROL MATERIALS  
APRIL 7, 2014**

**9-35.0 General Requirements**

The following item is deleted from the list of temporary traffic control materials:

Barrier Drums

**9-35.8 Barrier Drums**

This section including title is deleted in its entirety and replaced with the following:

**9-35.8 Vacant**

## **SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS**

*(August 14, 2013 APWA GSP)*

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2014 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter and the current City of Blaine Development Standards (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work. Any references therein to the "Secretary" or to the "Engineer" shall be interpreted to mean the City of Blaine Attorney, Engineer or their designated representative.

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 project-specific Special Provisions are not labeled as such. 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 WSDOT GSP)*

*(May 1, 2013 R&E GSP)*

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/APWA, current edition
- The current City of Blaine Development Standards

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

## **DIVISION 1 GENERAL REQUIREMENTS**

### **1-01.3 Definitions**

*(March 8, 2013 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 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, Amendments, or WSDOT General Special Provisions, to the terms “State”, “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 “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 final payment form established by the Contracting Agency.

The venue of all causes of action arising from the advertisement, award, execution, and performance of the contract shall be in the Superior Court of the County where the Contracting Agency’s headquarters are located.

**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.

**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 this Section 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**

*(June 27, 2011 APWA GSP)*

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.

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(1) General**

*(January 31, 2008 R&E GSP)*

Section 1-02.4(1) is supplemented with the following:

If the Bidder finds any discrepancy in, or omission from the specifications or plans, or if there is any doubt as to their meaning, the Bidder shall promptly notify Reichhardt & Ebe Engineering, Inc. (360) 354-3687. Any addenda issued during the time of bidding will be numbered consecutively and will be incorporated into these contract documents. The Bidder shall be responsible to ascertain, prior to submittal of a bid proposal that all addenda issued have been received, and are acknowledged on the "Bid Proposal Signature and Addendum Acknowledgment" form. Addendums will only be issued to those contractors appearing on

the Plan Holders List at Applied Digital Imaging, 1803 N. State Street, Bellingham, WA. It will be the responsibility of the contractor to ensure their name appears on the Plan Holders List.

Questions received less than two (2) working days prior to the date of bid opening may not be answered. Any interpretation or correction of the bid documents will be made only by **addendum**, and a copy of such addendum will be mailed or delivered to each person receiving a set of such bid documents. The Contracting Agency will not be responsible for any other explanations or interpretations of the bid documents. **No oral interpretations by the Contracting Agency of any provision in the bid documents will be considered binding.**

### **1-02.5 Proposal Forms**

*(June 27, 2011 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 D/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**

*(June 27, 2011 APWA GSP)*

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.

Delete the last paragraph, and replace it with the following:

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 D/M/WBE 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 D/W/MBE 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**

*(August 15, 2012 APWA GSP, Option A)*

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.

If the project has FHWA funding and requires DBE Written Confirmation Documents or Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by Section 1-02.6.

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

### **1-02.12 Public Opening of Proposals**

*(May 4, 2012 APWA GSP)*

Delete this section and replace it with the following:

Proposals will be opened and publicly read at the time indicated in the Call for Bids, after the deadline(s) for submitting all elements of the Bid Proposal including DBE Written Confirmation Documents and/or Good Faith Effort Documentation, unless the Bid opening has been delayed or canceled. Bidders, their authorized agents, and other interested parties are invited to be present.

### **1-02.13 Irregular Proposals**

*(March 13, 2012 APWA GSP)*

Revise item 1 to read:

1. A proposal will be considered irregular and will be rejected if:
2. The Bidder is not prequalified when so required;
3. The authorized proposal form furnished by the Contracting Agency is not used or is altered;
4. The completed proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
5. The Bidder adds provisions reserving the right to reject or accept the award, or enter into the Contract;

6. A price per unit cannot be determined from the Bid Proposal;
7. The Proposal form is not properly executed;
8. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
9. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;
10. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidders 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;
11. 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 was made;
12. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
13. More than one proposal is submitted for the same project from a Bidder under the same or different names.

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

*(March 8, 2013 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.

As evidence that the Bidder meets the mandatory bidder responsibility criteria, the apparent two lowest Bidders must submit to the Contracting Agency within 24 hours of the bid submittal deadline, documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with all responsibility criteria. The Contracting Agency reserves the right to request such documentation from other Bidders as well, and to request further documentation as needed to assess bidder responsibility. The Contracting Agency also reserves the right to obtain information from third parties concerning a 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.

### **1-02.15 Pre Award Information**

*(August 14, 2013 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.

### **1-03.1 Consideration of Bids**

*(January 23, 2006 APWA GSP)*

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, 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.

### **1-03.2 Award of Contract**

*(February 1, 2008 R&E GSP)*

Section 1-03.2 is revised to read:

The award of the Contract, if awarded, shall be made within 10 calendar days of the date of opening of bids to the lowest Bidder deemed responsible by the Contracting Agency, as provided for herein. Except that upon mutual consent of the lowest responsible Bidder and the Contracting Agency, the 10 calendar days may be extended. If they cannot agree on an extension

by the 10 calendar day deadline, the Contracting Agency reserves the right to award the contract to the next lowest responsible bidder or reject all bids. The Contracting Agency will notify the successful bidder of the contract award in writing.

### **1-03.3 Execution of Contract**

*(October 1, 2005 APWA GSP)*

Revise this section to read:

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, and a satisfactory bond as required by law and Section 1-03.4. 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**

*(June 27, 2011)*

Section 1-03.4 is supplemented with the following:

Release of Contract Bond will be 60 days following Contracting Agency Final Acceptance of Contract, provided following conditions are met:

1. Payment to the State with respect to taxes imposed pursuant to Title 82, RCW on Contracts totaling more than \$ 35,000, a release has been obtained from the Washington State Department of Revenue.
2. Affidavits of Wages Paid for the Contractor and all Subcontractors are on file with the Contracting Agency (RCW 39.12.040).
3. A certificate of Payment of Contributions Penalties and Interest on Public Works Contract is received from the Washington State Employment Security Department.

4. Washington State Department of Labor and Industries (per Section 1-07.10) shows the Contractor, Subcontractor(s) and any lower tier Subcontractor(s) are current with payments of industrial insurance and medical aid premiums.
5. All claims, as provided by law, filed against the Contract Bond have been resolved.

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

*(March 13, 2012 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. Amendments to the Standard Specifications,
6. Standard Specifications,
7. Contracting Agency's Standard Plans or Details (if any), and
8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

**1-04.6 Variation in Estimated Quantities**

*(May 25, 2006 APWA GSP, Option B; may not be used on FHWA-funded projects)*

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

Payment to the Contractor will be made only for the actual quantities of work performed and accepted in conformance with the Contract. When the accepted quantity of work performed under a unit item varies from the original proposal quantity, payment will be at the unit contract price for all work unless the total accepted quantity of any contract item, adjusted to exclude added or deleted amounts included in change orders accepted by both parties, increases or decreases by more than 25 percent from the original proposal quantity, and if the total extended bid price for that item at time of award is equal to or greater than 10 percent of the total contract price at time of award. In that case, payment for Contract Work may be adjusted as described herein.

#### **1-05.4 Conformity With and Deviations from Plans and Stakes**

Add the following new sub-section:

##### **1-05.4(1) Roadway and Utility Surveys** *(October 1, 2005 APWA GSP)*

The Engineer shall furnish to the Contractor one time only all principal lines, grades, and measurements the Engineer deems necessary for completion of the work. These shall generally consist of one initial set of:

1. Slope stakes for establishing grading;
2. Curb grade stakes;
3. Centerline finish grade stakes for pavement sections wider than 25 feet; and
4. Offset points to establish line and grade for underground utilities such as water, sewers, and storm drains.

##### **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.

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**

Delete this section and replace it with the following:

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

*(October 1, 2005 APWA GSP)*

#### **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 therefor.

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.

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 13, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

**1-05.14 Cooperation with Other Contractors**

Add to this Section: "The Contractor is advised that other parties may be working on or near the project site. The Contractor is responsible for scheduling project work in coordination with all other parties. It is anticipated that Verizon, Cascade Natural Gas, Comcast Cable Communications, Black Rock Cable, and/or their contractors will be working on their respective utilities throughout the duration of the project. The City will not pay for any costs incurred by the Contractor resulting from delays or scheduling of work resulting from activities of others."

Revise the last sentence: "The coordination of the work shall be taken into account by the Contractor as indicated on the plans and as part of the site investigation ....".

Add the following new section: The Contractor shall coordinate the conduit installation involved with completing the Common Utility Trench items. Pole relocation will be completed by others, but will not be completed until all conduit within the Common Utility Trench has been installed, wires pulled, and connections have been made.

**1-05.15 Method of Serving Notices**  
(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be directed to the Project 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 Contract, must be in paper format, hand delivered or sent via mail delivery service to the Project 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.

**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.

Add the following new section:

**1-05.17 Oral Agreements**

*(October 1, 2005 AWP A GSP)*

No oral agreement or conversation with any officer, agent, or employee of the Contracting Agency, either before or after execution of the contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the contract. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.

**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).

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.

The Contractor shall indemnify and save harmless the City of Blaine (including Council members, employees, the Engineer and any agents) against any claim that may arise because the Contractor (or any employee of the Contractor or subcontractor or materialman) violated a legal requirement."

Add to this Section: "Except as provided in Section 1-07.1, all costs incurred as a result of compliance with Federal, State and Local rules and regulations shall be paid by the Contractor and all such costs, including taxes, permit and other fees, shall be included in the respective bid item amounts.

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

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 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).

### **1-07.15 Temporary Water Pollution/Erosion Control**

Add to this Section: "Erosion Control shall include but not be limited to preventing storm water which has come in contact with disturbed or excavated areas from entering the storm drainage system. The contractor will not allow flow from existing ditches or ground water to come in contact with disturbed or excavated areas. The contractor shall be required to take any means necessary to prevent, control and stop water pollution or erosion within the project as shown on the Plans. No additional compensation will be made for this item due to extensions or delays.

Temporary water pollution/erosion control shall include cleaning sediment from downstream catch basins impacted by the project and measures to prevent water pollution and erosion within the project boundaries. It also includes all necessary BMPs to be used for erosion control along the road, and bio-swales.

### **1-07.16(1) Private/Public Property**

Add to this Section: "The Contractor is hereby advised that the location of fences, mail and paper boxes, trees, landscaping and other objects, as shown on the plans, is provided solely to provide warning of the probable location of said objects and may not be precise or complete. Protection and restoration shall be performed in accordance with Section 1-07.16 of the Standard Specifications. The Contractor shall satisfy himself as to the exact locations by contacting the owners before proceeding with work. The contractor shall be responsible for restoration of any damage done to public or private property.

### **1-07.17 Utilities and Similar Facilities**

Add to this Section: "Locations and dimensions shown in the plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification. Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the plans or these special provisions.

The Contractor shall call the Utility Location Request Center (One Call Center), for field location, not less than two nor more than ten business days before the scheduled date for commencement of excavation which may affect underground utility facilities, unless otherwise agreed upon by the parties involved. A business day is defined as any day other than Saturday, Sunday, or a legal local, State, or Federal holiday. The telephone number for the One Call Center for this project is 1-800-424-5555. If no one number locator service is available, notice shall be provided individually to those owners known to or suspected of having underground facilities within the area of proposed excavation.

The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to underground utilities. Any cost to the Contractor incurred as a result of this law shall be at the Contractor's expense.

No excavation shall begin until all known facilities in the vicinity of the excavation area have been located and marked.

The Contractor is advised that once an area has been marked by the utilities, it becomes the Contractor's responsibility to maintain the marked utilities. If the Contractor requests to remark an area which has been previously marked, the utility may bill this service to the Contractor.

Hand digging to verify exact locations of utilities may be necessary and shall be considered incidental to the various bid items under the Contract.

The Contractor shall specifically contact the following utilities to coordinate the necessary work:

Verizon  
Barb Robinson  
Telephone: 360-757-1479

Comcast Cable  
Bill Inama  
Telephone: 527-8241

Cascade Natural Gas  
Brandon Haugnes  
Telephone: 733-5980

City of Blaine Light Department  
Wayne Mathers  
Telephone: 332-8820

Black Rock Cable  
Randy Wilson  
Telephone: 360-306-5486

Puget Sound Energy  
Jane Major  
Telephone: 647-6525

If utility conflicts occur, the Contractor shall continue the construction process on other aspects of the project. Any change to the operation necessary to work around the conflicts shall be incidental to the various bid items of the contract and no further compensation will be made."

#### **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 24, 2011 APWA GSP)*

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

- A. The Contractor shall obtain the insurance described in this section from insurers approved by the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating Guide, which is licensed to do business in the state of Washington (or issued as a surplus line by a Washington Surplus lines broker). The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer (including financial condition), terms and coverage, the Certificate of Insurance, and/or endorsements.
- B. The Contractor shall keep this insurance in force during the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated (see C. 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 Final Completion 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 insurance policies shall contain a “cross liability” provision.
- E. The Contractor’s and all subContractors’ insurance coverage shall be primary and non-contributory insurance as respects the Contracting Agency’s insurance, self-insurance, or insurance pool coverage.
- F. 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.
- G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s).
- H. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency.
- I. 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.
- J. 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.

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

All insurance policies, with the exception of Professional Liability and Workers Compensation, shall name the following listed entities as additional insured(s):

- 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, whether primary, excess, contingent or otherwise, 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(3) describes limits lower than those maintained by the Contractor.

**1-07.18(3) Subcontractors**

Contractor shall ensure that each subcontractor of every tier obtains and maintains at a minimum the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B. Upon request of the Contracting Agency, the Contractor shall provide evidence of such insurance.

**1-07.18(4) Evidence of Insurance**

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. The certificate and endorsements must conform to the following requirements:

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. A statement of additional insured status on an ACORD Certificate of Insurance shall not satisfy this requirement.
3. Any other amendatory endorsements to show the coverage required herein.

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

The insurance shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve the Contractor from liability in excess of such limits. 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 shall be the responsibility of the Contractor.

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

A policy of Commercial General Liability Insurance, including:

1. Per project aggregate
2. Premises/Operations Liability
3. Products/Completed Operations – for a period of one year following final acceptance of the work.
4. Personal/Advertising Injury
5. Contractual Liability
6. Independent Contractors Liability
7. Stop Gap / Employers’ Liability
8. Explosion, Collapse, or Underground Property Damage (XCU)
9. Blasting (only required when the Contractor’s work under this Contract includes exposures to which this specified coverage responds)

Such policy must provide the following minimum limits:

\$1,000,000	Each Occurrence
\$2,000,000	General Aggregate
\$1,000,000	Products & Completed Operations Aggregate
\$1,000,000	Personal & Advertising Injury, each offence

Stop Gap / Employers' Liability	
\$1,000,000	Each Accident
\$1,000,000	Disease - Policy Limit
\$1,000,000	Disease - Each Employee

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

Automobile Liability for owned, non-owned, hired, and leased vehicles, with an MCS 90 endorsement and a CA 9948 endorsement attached if “pollutants” are to be transported. Such policy(ies) must provide the following minimum limit:

\$1,000,000 combined single limit

**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(1) Construction under Traffic**

*(October 1, 2005 APWA GSP)*

Revise the second paragraph to read:

To disrupt public traffic as little as possible, the Contractor shall permit traffic to pass through the work with the least possible inconvenience or delay. The Contractor shall maintain existing roads, streets, sidewalks, and paths within the project limits, keeping them open, and in good, clean, safe condition at all times. Deficiencies caused by the Contractor's operations shall be repaired at the Contractor's expense. Deficiencies not caused by the Contractor's operations shall be repaired by the Contractor when directed by the Engineer, at the Contracting Agency's expense. The Contractor shall also maintain roads, streets, sidewalks, and paths adjacent to the project limits when affected by the Contractor's operations. Snow and ice control will be performed by the Contracting Agency on all projects. Cleanup of snow and ice control debris will be at the Contracting Agency's expense. The Contractor shall perform the following:

1. Remove or repair any condition resulting from the work that might impede traffic or create a hazard.
2. Keep existing traffic signal and highway lighting systems in operation as the work proceeds. (The Contracting Agency will continue the route maintenance on such system.)
3. Maintain the striping on the roadway at the Contracting Agency's expense. The Contractor shall be responsible for scheduling when to renew striping, subject to the approval of the Engineer. When the scope of the project does not require work on the roadway, the Contracting Agency will be responsible for maintaining the striping.
4. Maintain existing permanent signing. Repair of signs will be at the Contracting Agency's expense, except those damaged due to the Contractor's operations.

5. Keep drainage structures clean to allow for free flow of water. Cleaning of existing drainage structures will be at the Contracting Agency's expense when approved by the Engineer, except when flow is impaired due to the Contractor's operations.

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

The Contractor shall be responsible for notifying private property owners, or tenants, two (2) working days in advance of scheduled interruptions of access to private roads or driveways. The Contractor shall notify the Engineer three (3) working days in advance of scheduled interruptions of access to private road or driveways. The Contractor shall notify private property owners, or tenants, by having a representative of the Contractor personally contact the private property owner or tenant. If the property owner or tenant is not available, the Contractor shall leave a door hanger notice indicating the commencement date of work, duration of work, the type of work being done, and the Contractor's and Engineer's phone number and address for questions and concerns. The Engineer shall be provided adequate time to review, comment, and approve the door hanger notice prior to the Contractor placing any notices. Access shall be restored as soon as possible, but not later than the end of each working day. Any exception will only be allowed with the approval of the private property owner, or tenant, and the Engineer.

All costs involved with public notification shall be incidental to the various bid items.

The construction safety zone for this project is 10 feet from the outside edge of the traveled way.

During nonworking hours equipment or materials shall not be within the safety zone unless it is protected by permanent guardrail or temporary concrete barrier. The use of temporary concrete barrier shall be permitted only if the Engineer approves the installation and location.

During the actual hours of work, unless protected as described above, only materials absolutely necessary to construction shall be within the safety zone and only construction vehicles absolutely necessary to construction shall be allowed within the safety zone or allowed to stop or park on the shoulder of the roadway.

The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the safety zone at any time unless protected as described above. To distinguish construction vehicles from nonessential vehicles and employee's private vehicles, construction vehicles shall be equipped with flashing or rotating amber lights.

Deviation from the above requirements shall not occur unless the Contractor has requested the deviation in writing and the Engineer has provided written approval.

Construction vehicles using a closed traffic lane shall travel only in the normal direction of traffic flow unless expressly allowed in an approved traffic control plan. Construction vehicles shall be equipped with flashing or rotating amber lights.

Work over an open lane of traffic will not be allowed, unless a plan for the protection of the traveling public from objects falling onto the traveled way is approved by the Engineer. This

protection shall remain in place during construction and meet minimum vertical clearance for the highway.

### **Pedestrian Access**

The Contractor shall keep all pedestrian routes and access point (including sidewalks and crosswalks when located within the project limits) open and clear at all times unless permitted otherwise by the Engineer in an approved traffic control plan.

### **Signs and Traffic Control Devices**

All signs and traffic control devices for the permitted closures shall only be installed during the hours specified on the plans. Construction signs, if placed earlier than the specified hours of closure, shall be turned or covered so as not to be visible to motorists.

### **Hours of Darkness**

The Contractor shall, at no additional cost to the Contracting Agency, make all arrangements for operations during hours of darkness. A portable illumination system, which will adequately illuminate the entire work area shall be provided. Flagger stations and advance warning signs shall be illuminated with a minimum **150-watt** floodlight and to the satisfaction of the Engineer. Flares are for emergency use and are not considered a proper method of illumination.

### **Hour Adjustment**

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closures hours.

### **Advance Notification**

The Contractor shall notify the Engineer in writing 5 working days in advance of any lane closure, sidewalk closure, or both.

The Contractor shall notify the Engineer in writing 10 working days in advance of any ramp closure, roadway closure, or both.

### **Public Notification**

The Contractor shall furnish and install information signs that provide advance notification of a ramp closure, road closure, or both, a minimum of 5 working days prior to the closure. The signs shall have a black legend on a white reflective background. Sign locations, messages, letter sizes, and sign sizes shall be shown on the Contractor provided Traffic Control Plans.

The Contractor shall notify the Washington State Patrol; local fire, police, emergency service, and city engineering departments; transit companies; and the affected school district(s) in writing a minimum of 5 working days prior to each closure. The Contractor shall furnish copies of these notifications to the Engineer.

### **Transverse Joints**

A temporary wedge of HMA on a 50H:1V shall be constructed where any drop-off is exposed to traffic during nonworking hours. All transverse wedges shall be considered incidental to other items of work.

### **1-07.23(2) Construction and Maintenance of Detours**

*(October 1, 2005 APWA GSP)*

Revise the first paragraph to read:

Unless otherwise approved, the Contractor shall maintain two-way traffic during construction. The Contractor shall build, maintain in a safe condition, keep open to traffic, and remove when no longer needed:

1. Detours and detour bridges that will accommodate traffic diverted from the roadway, bridge, sidewalk, or path during construction,
2. Detour crossings of intersecting highway, and
3. Temporary approaches.

### **1-07.24 Rights of Way**

*(October 1, 2005 APWA GSP)*

Delete this section in its entirety, 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 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.

#### **1-07.26 Personal Liability of Public Officers**

This section is revised to read: "Neither the Blaine City Council Members, employees of the City, or the Engineer shall be personally liable for any acts or failure to act in connection with the Contract, it being understood that in such matters, they are acting solely as agents of the City of Blaine.

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

Add the following new section:

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

*(October 10, 2008 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.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and

6. 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**  
*(March 8, 2013 APWA GSP)*

Except in the case of emergency or unless otherwise approved by the Contracting Agency, the normal straight time working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 5:00 p.m. of a working day with a maximum 1-hour lunch break and a 5-day work week. The normal straight time 8-hour working period for the Contract shall be established at the preconstruction conference or prior to the Contractor commencing the work.

Written permission from the Engineer is required, if a Contractor desires to perform work on holidays, Saturdays, or Sundays; before 7:00 a.m. or after 5:00 p.m. on any day; or longer than an 8-hour period on any day. The Contractor shall apply in writing to the Engineer for such permission, no later than noon on the working day prior to the day for which the Contractor is requesting permission to work.

Permission to work between the hours of 10:00 p.m. and 7:00 a.m. during weekdays and between the hours of 10:00 p.m. and 9:00 a.m. on weekends or holidays may also be subject to noise control requirements. Approval to continue work during these hours may be revoked at any time the Contractor exceeds the Contracting Agency's noise control regulations or complaints are received from the public or adjoining property owners regarding the noise from the Contractor's operations. The Contractor shall have no claim for damages or delays should such permission be revoked for these reasons.

Permission to work Saturdays, Sundays, holidays, or other than the agreed upon normal straight time working hours Monday through Friday may be given subject to certain other conditions set forth by the Contracting Agency or Engineer. These conditions may include but are not limited to:

- 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 when in the opinion of the Engineer, such work necessitates their presence.

- On non-Federal aid projects, requiring 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.
- Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
- 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.

### **1-08.3 Progress Schedule**

*(July 23, 2009 R&E GSP)*

Section 1-08.3 is supplemented with the following:

In addition to the preliminary progress schedule, the Contractor shall submit a written weekly activity schedule to the Engineer.

The weekly activity schedule shall indicate the Contractor's proposed activities for the forthcoming two weeks in such significant detail as to permit the Engineer to effectively provide the contract engineering and inspection for the Contractor's operations.

The written activity schedule shall be submitted to the Engineer before noon on the next to last working day of the preceding week, or other mutually agreeable time.

If the Contractor proceeds with work not indicated on the weekly activity schedule, or in sequence differing from what is shown on the schedule, that work will be subject to rejection. The Engineer may require the Contractor to delay unscheduled activities until they are included on a subsequent weekly activity schedule. The Contractor's schedule will be used to schedule the Contracting Agency's Inspector.

### **1-08.4 Prosecution of Work**

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

#### **1-08.4 Notice to Proceed and Prosecution of Work**

*(June 27, 2011 APWA GSP)*

Notice to Proceed will be given after the Contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the Contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the Contract.

When shown in the Plans, the first order of work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

## **PROGRESS MEETINGS**

Regular Progress Meetings shall be schedule by the Engineer. Progress Meetings shall be held weekly or as otherwise schedule by the Engineer.

The Progress Meeting agenda shall include, but not be limited to:

1. Review minutes of previous meeting, amend minutes if necessary, and accept minutes.
2. Review unresolved questions and issues from previous Progress Meetings and further consider those questions and issues.
3. Review new questions and issues regarding delays, coordination with other agencies, changed conditions or work scope, interferences, utilities, and requests for information (RFI's).
4. Review corrective measures to regain projected schedule
5. Review status of submittals, RFI's, change issues, as-built documentation, and other correspondence.
6. Review effects of proposed changes on progress schedule and coordination
7. Contractor to present updated look-ahead / as-built schedule describing activities to occur in the upcoming three weeks, and to document the as-built schedule for work accomplished since the prior meeting. Contractor to present the updated schedule at each regular weekly progress meeting.

## **Coordination Meetings**

Coordination Meetings will commence after the Notice-to-Proceed has been issued. The purpose of the Coordination Meetings is to coordinate the Contractor's Work with the work being done concurrently at the Site by others.

Coordination Meetings will be scheduled weekly during the progress of the Work but shall occur no more than weekly. The meetings will take place on-site.

Attendees are expected to include the Engineer, the Contractor, the Contracting Agency, utilities, and other Contractors or agencies.

## **Additional Meetings**

Additional Meetings will be scheduled as necessary for the completion of various portions of the

Work. Meetings will include pre-installation, training, pre-testing or other purpose as required by the specifications, conditions on the jobsite, or as requested by the Engineer or the project team. All costs involved with the various meeting shall be incidental to the various bid items.”

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

*(August 14, 2013 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 any partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, 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. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.

- d. Final Contract Voucher Certification
- e. Copies of the approved “Affidavit of Prevailing Wages Paid” for the Contractor and all Subcontractors
- f. Property owner releases per Section 1-07.24

### **1-08.6 Suspension of Work**

Add to this Section: "It is national and state policy to preserve, for public use, historical and prehistorical objects such as ruins, sites, buildings, artifacts, fossils, or other objects of antiquity that may have significance from a historical or scientific standpoint. Any archeological or historical objects, which may be encountered by the Contractor, shall not be further disturbed. The Contractor shall immediately notify the City of Blaine of any such finds.

The City of Blaine will contact the Archeologist who will determine if the material is to be salvaged. The Contractor may be required to stop work in the vicinity of the discovery until such determination is made. If the Archeologist determines that the material is to be salvaged, the Engineer may require the Contractor to stop work in the vicinity of the discovery until the salvage is accomplished.

Any loss of time suffered by the Contractor due to resulting delays will be adjusted in accordance with Section 1.08.8 of the Standard Specifications."

### **1-08.7 Maintenance During Suspension**

*(October 1, 2005 APWA GSP)*

Revise the second paragraph to read:

At no expense to the Contracting Agency, the Contractor shall provide through the construction area a safe, smooth, and unobstructed roadway, sidewalk, and path for public use during suspension (as required in Section 1-07.23 or the Special Provisions). This may include a temporary road or detour.

### **1-08.9 Liquidated Damages**

*(August 14, 2013 APWA GSP)*

Revise the fourth paragraph to read:

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine that the 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, the formula for liquidated damages shown 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.

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

*(October 10, 2008 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 Engineer.

### **1-09.9 Payments**

*(June 27, 2011 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.

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.

Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1-05.1.

All work specified as shown in these contract documents and that is not so listed as bid item shall be considered as incidental. All payments for work items shall be full compensation for furnishing haul, labor, materials, tools, and equipment necessary to perform and complete the work specified.

Retainage will be administered in accordance with R.C.W. 60.28.010, as amended, and in accordance with the "Retainage Investment Option" form made a part of these contract documents.

**1-09.13(3) Claims \$250,000 or Less**  
***(OCTOBER 1, 2005 APWA GSP)***

Delete this Section and replace it with the following:

The Contractor and the Contracting Agency mutually agree that those claims that total \$250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

**1-09.13(3)A Administration of Arbitration**

The last two paragraphs of this section shall read: "The City of Blaine and the Contractor mutually agree the venue of any arbitration hearing shall be in Whatcom County and that any such hearing be conducted within Whatcom County."

"The City of Blaine and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment on the award rendered by the arbitrator may be entered in the Superior Court of Whatcom County. 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."

## **1-10 TEMPORARY TRAFFIC CONTROL**

### **1-10.1 General**

*(October 1, 2005 APWA GSP)*

Revise the first paragraph to read:

The Contractor shall provide flaggers, signs, and other traffic control devices not otherwise specified as being furnished by the Contracting Agency. The Contractor shall erect and maintain all construction signs, warning signs, detour signs, and other traffic control devices necessary to warn and protect the public at all times from injury or damage as a result of the Contractor's operations which may occur on highways, roads, streets, sidewalks, or paths. No work shall be done on or adjacent to any traveled way until all necessary signs and traffic control devices are in place.

Add to this Section: "The Contractor will not be allowed to set up traffic control until ready to begin and pursue the work continuously. During grading operations, the elevation difference between the portion of the traveled way open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to allow cross traffic.

In addition, for any modifications to the access provisions, the Contractor shall furnish satisfactory documentation that the affected property owners concur with the proposed change. The Contractor shall be responsible to coordinate with and make the necessary arrangements to accommodate the access requirements of the affected property owners and the public services.

**The Contractor shall notify all affected property owners, public services, and the public at least 72 hours in advance of any road closure or access modifications, as approved by the Engineer."**

### **1-10.2 Traffic Control Management**

Add to this Section: "Before beginning work on the project, the Contractor shall designate a Traffic Control Supervisor (TCS). Duties of the TCS shall be performed by a "lead flagger." The Contractor shall provide the Engineer with a list of names and phone numbers of not more than six supervisory employees that may be called for traffic control, as needed, during working or non-working hours. The Contractor shall have at least one of these employees available at any time.

If the Contractor's employees are not available in a timely manner to take care of emergency traffic control work, City forces will perform this work on behalf of the Contractor. If City forces provide emergency traffic control, the direct costs to the City will be deducted from progress payments due the Contractor in accordance with Section 1-07.23(3)F of the Standard Specifications."

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

Add to this Section: "Contractor shall submit to the Engineer, for review, and shall receive approval prior to beginning work, a traffic control plan which may include the temporary closure of specific

sections of Allan Street. The plan shall comply with the current Edition of the Manual on Uniform Traffic Control Devices (MUTCD) Part V1 Standards and Guides for Traffic Controls for Street and Highway Construction, Maintenance, Utility, and Incident Management Operations. Copies of this document are available for viewing at the office of the Engineer, and the City of Blaine Department of Public Works. Copies of this document can be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

### **1-10.5 Payment**

Replace this Section with the following:

Payment will be made in accordance with Section 1-04.1, for the following bid items.

1. "Project Temporary Traffic Control" per lump sum

The contract price per lump sum shall be full pay for all costs as described in Section 1-10.3(1):

## **DIVISION 2 EARTHWORK**

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

#### **2-01.1 Description**

Add to this section: "This item also includes clearing and grubbing necessary for the construction of new driveway aprons shown on the plans."

"Grubbing work includes removal and disposal of approximately 6" of topsoil. In addition to natural materials, clearing and grubbing shall also include removing and disposing of all refuse within the right-of-way, as directed by the Engineer."

#### **2-01.2 Disposal of Useable Material and Debris**

Add to this Section: "All trees removed which are large enough to serve as firewood shall be downed and offered to the property owner. If the property owner rejects the offer, the trees shall become the property of the Contractor. All limbs, unusable trunks, and roots shall be hauled away. All cost of this work shall be considered incidental to the lump sum contract price for clearing and grubbing."

"Unless otherwise provided in the abutting property owner agreements, all other material removed under this item shall become the property of the Contractor."

### **2-01.2(1) Disposal Method No. 1-- Open Burning**

Disposal method No. 1 shall not be permitted within the project limits.

### **2-01.2(3) Disposal Method No. 3--Chipping**

Revise the third sentence to read: "Unsold chips shall become the property of the Contractor and removed from the project limits unless used for temporary erosion control."

### **2-01.4 Measurement**

Clearing and grubbing work shall be performed separately from other excavation. No measurement has been made for grubbing outside the roadway section.

### **2-01.5 Payment**

Add to this Section: "Payment for "Clearing and Grubbing" shall be based on the lump sum quantity for this item proportionate to the amount of bid item work completed. The lump sum contract price for "Clearing and Grubbing" shall be full compensation for all costs for labor, materials, and equipment necessary to complete this item as specified. No additional payment shall be made for haul. Any other incidental clearing and grubbing not specifically identified as being paid for elsewhere will be considered incidental to this bid item and no other payment shall be made."

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

### **2-02.1 Description**

*(February 4, 2008 R&E GSP)*

Section 2-02.1 is supplemented with the following:

Also included will be removal of existing asphalt concrete pavement, chip seal, driveways, landscaping structures, all fences within the R/W as needed for construction, all necessary mailboxes and mailbox supports and other structures necessary to complete the work indicated on the plans or as directed by the Engineer. Equipment, labor, and materials necessary to perform the work as specified shall be considered a portion of this work. All material shall be hauled offsite to a permitted, Contractor provided disposal site in accordance with Section 2-03.3(7)C. No payment will be made for haul.

### **2-02.3 Construction Requirements**

*(February 4, 2008 R&E GSP)*

Section 2-02.3 is supplemented with the following:

#### **Use of Explosives**

Explosives shall not be used in the demolition.

The contractor shall salvage existing mailboxes for use on the new mailbox supports. All relocated mailboxes shall have new metal mailbox supports, type 1 or type 2 in accordance with the Standard Plans unless otherwise noted.

The contractor shall maintain temporary mailboxes and mailbox supports as necessary during construction to ensure that mail delivery is uninterrupted during the duration of the project. Coordination with the United States Postal Service and the property owner or tenant will be the responsibility of the Contractor.

### **Removal of Drainage Structures**

Where shown in the Plans, or at other locations as determined by the Engineer, the Contractor shall remove catch basins and manholes regardless of the size or type. Each catch basin and manhole shall be removed in its entirety. Prior to backfilling the resultant void, the Contractor shall plug and abandon the existing pipe(s) with commercial concrete in accordance with Section 7-08.3(4).

Voids left by catch basin removal shall be backfilled and compacted in accordance with Section 2-03.3(14)C.

All materials removed shall become the property of the Contractor and shall be disposed of outside the project limits.

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

*(February 4, 2008 R&E GSP)*

Item 1 is revised to read:

1. Haul broken-up pieces to some Contractor provided off project site. No on-site burial of pavement is allowed.

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

Section 2-02.3(3) is supplemented with the following:

The contractor shall limit the extent of asphalt removal to the limits of the sewer trench that will be completed during the same work shift. A clean full depth vertical edge shall remain throughout the duration of the project.

### **2-02.4 Measurement**

*(February 4, 2008 R&E GSP)*

Section 2-02.4 is supplemented with the following:

All costs for temporary mailboxes, temporary mailbox supports, salvage and relocation of existing mailboxes and replacement of damaged mailboxes or mailbox supports shall be included in and incidental to removal of structures and obstructions.

Measurement for Sawcut ACP or PCC will be by the inch-foot along the line and slope of the cut prior to sawcutting and as staked by the Engineer. An inch-foot shall be defined as one linear foot, one inch in depth.

### **2-02.5 Payment**

*(February 4, 2008 R&E GSP)*

Section 2-02.5 is supplemented with the following:

The lump sum contract price for "Removal of Structures and Obstructions" shall be full compensation for all tools, equipment, materials, and labor to excavate and dispose of the above materials, including Haul and disposal fees. Removal of any structures and obstructions readily apparent by visual inspection from the ground surface and not identified elsewhere will be considered incidental to this bid item.

The unit contract price per linear foot-inch for "Sawcut \_\_\_\_" as indicated on the Bid Proposal shall be full compensation for all labor, including hand removal if required, material, tools and equipment required to complete the Bid Items in accordance with Section 1-04.1. Neat, straight edges shall be present during paving and no payment shall be made for additional work required to establish clean vertical edges where pavement edges are damaged after initial sawcutting.

## **2-03 ROADWAY EXCAVATION AND EMBANKMENT**

### **2-03.1 Description**

*(February 4, 2008 R&E GSP)*

Section 2-03.1 is supplemented with the following:

This item also includes any excavation required to construct driveway aprons.

### **2-03.3 Construction Requirements**

Add to this section: "Cavities left by removal of features by the Contractor or by other parties, i.e., utility poles or other obstructions, shall be filled by the Contractor."

### **2-03.3(7)C Contractor-Provided Disposal Site**

Section 2-03.3(7)C is supplemented with the following:

The Contractor is advised that the inability to access or operate within the dumpsites will not be sufficient cause for approval of non-working days.

The Contractor is advised that a Fill and Grade Permit and a SEPA Checklist may be required to dispose of materials generated by this project.

Before completing any filling outside of the project limits, the Contractor, or property owner desiring to receive fill shall obtain a Grading Permit from the Public Works Department, City of Blaine, or Whatcom County Buildings and Code or Engineering Division. The following filling activities are exempted from this permit requirement:

1. Refuse disposal sites controlled by other regulations.
2. A fill less than 1 foot in depth and placed on natural terrain with a slope flatter than five horizontal to one vertical, or less than 3 feet in depth, not intended to support structures, which does not exceed 50 cubic yards on any one lot and does not obstruct a drainage course.

If the amount of filling requires a permit, the Contractor shall contact the City of Blaine or Whatcom County.

### **2-03.3(8) Wasting Material**

Add to this Section: "Suitable excavated material shall be used under sidewalks or behind the curb at various locations. If the contractor wastes suitable material needed for this use, it shall be replaced at no expense. Additional payments to the contractor will not be made if the sequence of construction does not allow the material to be placed immediately and requires stockpiling, and relocating. No stockpile areas will be provided within right of way."

### **2-03.3(14)C Compacting Earth Embankments**

Only Method B is allowed.

### **2-03.3 (14)E Unsuitable Foundation Excavation**

Add to this Section:

"Prior to any filling of gravel base, the Contractor shall proof roll the subgrade with a loaded truck to verify stability of the subgrade.

Compensation for all labor, materials, tools and equipment necessary to excavate, supply, place, and compact "soft spots" as specified will be performed at respective unit prices. The associated cost to proof roll the roadway will be considered incidental to the unit contract prices of this Contract."

### **2-03.4 Measurement**

(March 13, 1995)

Only one determination of the original ground elevation will be made on this project. Measurement for roadway excavation and embankment will be based on the original ground elevations recorded previous to the award of this contract. Control stakes will be set during construction to provide the

Contractor with all essential information for the construction of excavation and embankments. If discrepancies are discovered in the ground elevations which will materially affect the quantities of earthwork, the original computations of earthwork quantities will be adjusted accordingly.

Earthwork quantities will be computed, either manually or by means of electronic data processing equipment, by use of the average end area method or by the finite element analysis method utilizing digital terrain modeling techniques.

Copies of the ground cross-section notes will be available for the bidder's inspection, before the opening of bids, at the Project Engineer's office and at the Region office.

Upon award of the contract, copies of the original ground cross-sections will be furnished to the successful bidder on request to the Project Engineer.

### **2-03.5 Payment**

Add to this section:

Add to this Section: "The unit contract price per cubic yard for "Roadway Excavation Including Haul" shall be full compensation for all labor, materials, tools and equipment necessary to excavate, shape, load, place suitable material on-site for embankment compaction or otherwise haul and dispose of surplus or unsuitable material to the stockpile site or off-site as specified herein. The item "Roadway Excavation Including Haul" shall include the cost of compacting and proof rolling the subgrade.

## **2-04 HAUL**

### **2-04.4 Measurement**

*(February 5, 2008 R&E GSP)*

Section 2-04.4 is revised to read:

No specific unit of measurement shall apply. All costs involved for haul shall be incidental to and included in the various bid items.

### **2-04.5 Payment**

*(February 5, 2008 R&E GSP)*

Section 2-04.5 is deleted in its entirety.

## **2-09 STRUCTURE EXCAVATION**

### **2-09.3(4) Construction Requirements, Structure Excavation, Class B** *(February 5, 2008 R&E GSP)*

Section 2-09.3(4) is supplemented with the following:

All trenches shall be backfilled and completed by the end of the day.

## **DIVISION 4** **BASES**

### **4-02.2 Materials**

Replace this Section with: "Material shall meet the requirements of Section 9-03.10 Gravel Base as modified. Refer to revised Section 9-03.10 Aggregate for Gravel Base."

### **4-02.4 Measurement**

Add to this Section: "The Contractor will provide certified weigh slips to verify the quantity delivered as per Section 1-09.2 of the Standard Specifications."

### **4-02.5 Payment**

Add to this Section: "The unit contract price per ton for "Gravel Base", shall be full compensation for all equipment, labor, and materials including water necessary to deliver, place, and compact this item as specified. Proof rolling of material at the direction of the Engineer will be considered incidental to this bid item."

## **4-04 BALLAST AND CRUSHED SURFACING**

### **4-04.3(7) Miscellaneous Requirements**

Add to this Section: "The Contractor is responsible for maintenance of the roadway surface until the project has been declared "Substantially Complete" by the contracting agency. Crushed surfacing top course imported shall not be wasted, all imported material shall be utilized where indicated on the plans or removed at the expense of the Contractor."

### **4-04.4 Measurement**

Add to this Section: "The Contractor will provide certified weigh slips to verify the quantity delivered in accordance with Section 1-09.2(1)."

#### **4-04.5 Payment**

Add to this Section: "No additional payment will be made for material, equipment or labor required for roadway maintenance resulting from delays due to Contractor scheduling."

### **DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS**

#### **5-04 HOT MIX ASPHALT**

##### **5-04.1 Description**

*(April 25, 2008 R&E GSP)*

Section 5-04.1 is supplemented with the following:

The Commercial HMA shall be CI ½" PG 64-22 and placed as shown on the Plans.

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

*(May 5, 2010 R&E)*

The first paragraph of this section is revised to read:

Additionally, a material transfer device or vehicle (MTD/V) is not required for this project.

##### **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

*(January 16, 2014 APWA GSP)*

Delete this section and replace it with the following:

Mix designs for HMA accepted by Nonstatistical or Commercial evaluation shall:

- Be submitted to the Project Engineer on WSDOT Form 350-042
- 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) and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.

At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review:

- The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date

- The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.

The mix design will 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 (AAP) and shall supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year verification period with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

#### **5-04.3(7)A Mix Design**

*(March 10, 2010 APWA GSP)*

Delete this section and replace it with the following;

1. **General.** Prior to the production of HMA, the Contractor shall determine a design aggregate structure and asphalt binder content in accordance with WSDOT Standard Operating Procedure 732. Once the design aggregate structure and asphalt binder content have been determined, the Contractor shall submit the HMA mix design on DOT form 350-042 demonstrating the design meets the requirements of Sections 9-03.8(2) and 9-03.8(6). HMA accepted by nonstatistical evaluation requires a mix design verification. For HMA accepted by commercial evaluation only the first page of DOT form 350-042 and the percent of asphalt binder is required. In no case shall the paving begin before the determination of anti-strip requirements has been made. Anti-strip requirements will be determined by:
  - a. Testing by WSDOT in accordance with TM 718.
  - b. Testing by Contractor in accordance with WSDOT TM 718.
  - c. Historical aggregate source ant-strip use provided by WDOT.

The mix design will be the initial Job Mix Formula (JMF) for the HMA being produced. Any additional adjustments to the JMF will require the approval of the Project Engineer and may be made per Section 9-03.8(7).

**Mix Design Verification.** Verification shall be accomplished by one of the following processes:

- a. Submit samples to WSDOT State Materials Lab for WSDOT verification testing in accordance with WSDOT Standard Specifications.
- b. The contracting agency will perform tests to verify the mix design in accordance with the Field Verification Testing Process.

- c. Reference a mix design that has been previously verified by the Field Verification Testing Process or verified by WSDOT State Materials Lab on a previous project.
- d. Perform Field Verification Testing on a sample of HMA provided by the Contractor prior to paving.

Mix design verification is valid for one year from the date of verification. At the discretion of the Engineer, agencies may accept mix designs verified beyond the verification year with certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

2. **Field Verification Testing Process.** The Contracting agency will collect three Production Samples of HMA on the first day of paving per AASHTO T 168 sampling procedures.
  - a. The Contracting agency will test one Production Sample in accordance with section 5-04.3(8)A for field verification per the requirements of Section 9-03.8(7).
  - b. If the test results from the first Production Sample are within the tolerances of section 9-03.8(7), the mix design will be considered verified and the test results will be used as acceptance sample number one.
  - c. If the test results from the first Production Sample are outside the tolerances of section 9-03.8(7), the other two samples will be tested and the results of all three tests will be used for acceptance in accordance with Section 5-04.5(1) and will be used in the calculation of the CPF the maximum CPF shall be 1.00.
3. Prior to the first day of paving, six Ignition Furnace Calibration Samples shall be obtained to calibrate the Ignition Furnaces used for acceptance testing of the HMA. Calibration samples shall be provided by the Contractor when directed by the Engineer. Calibration samples shall be prepared in accordance with WSDOT SOP 728.

**5-04.3(8)A1 General**  
(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

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

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

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 Project Engineer and must be made in accordance with Section 9-03.8(7).

Commercial evaluation may be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, 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. Commercial HMA can be accepted by a contractor certificate of compliance letter stating the material meets the HMA requirements defined in the contract.

#### **5-04.3(8)A4 Definition of Sampling Lot and Sublot**

*(January 16, 2014 APWA GSP)*

Section 5-04.3(8)A4 is supplemented with the following:

For HMA in a structural application, sampling and testing for total project quantities 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:

- i. If test results are found to be within specification requirements, additional testing will be at the engineers discretion.
- ii. If test results are found not to be within specification requirements, additional testing as needed to determine a CPF shall be performed.

#### **5-04.3(8)A5 Test Results**

*(January 16, 2014 APWA GSP)*

The first paragraph of this section is deleted.

#### **5-04.3(8)A6 Test Methods**

*(January 16, 2014 APWA GSP)*

Delete this section and replace it with the following:

Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure 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 WAQTC FOP for AASHTO T 27/T 11.

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

*(February 25, 2008 R&E GSP)*

Section 5-04.3(12)A is supplemented with the following:

All joints of new hot mix asphalt to an existing pavement shall be sealed with an appropriate asphalt joint sealer.

#### 5-04.4 Measurement

Add to this Section: “Commercial HMA” shall include HMA Class ½” PG 64-22 (thickness as shown in plans). Measurement for “Commercial HMA” shall be per ton.

#### 5-04.5 Payment

Add to this Section: Payment for “Commercial HMA” shall be per ton.

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Statistical analysis of quality of gradation and asphalt content will be performed based on Section 1-06.2 using the following price adjustment factors:

#### Table of Price Adjustment Factors

Constituent	Factor “F”
All aggregate passing: 1 ½”, 1”, ¾”, ½”, 3/8” and No. 4 sieves	2
All aggregate passing No. 8	15
All aggregate passing No. 200 sieve	20
Asphalt binder	52

Paragraph two, items 1-3 are deleted and replaced with:

A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class of HMA and for the asphalt binder.

- 1. Nonstatistical Evaluation.** 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 acceptance tolerance limits in Section 9-03.8(7), 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 street shall be tested to provide a minimum of three sets of results for evaluation.
- 2. 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 acceptance tolerance limits in Section 9-03.8(7), the lot shall be evaluated 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 produced under Nonstatistical or 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 the mix.

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

#### **5-04.5(1)B Price Adjustments for Quality of HMA Compaction**

*(January 16, 2014 APWA GSP)*

Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00.

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming 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 the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

### **DIVISION 7**

#### **SANITARY SEWERS**

#### **7-05 MANHOLES, INLETS, AND CATCH BASINS**

##### **7-05.1 Description**

*(February 5, 2008 R&E GSP)*

Add to this section: “All new manhole, covers and grates shall be locking type.”

##### **7-05.2 Materials**

Section 7-05.2 is supplemented with the following:

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

All manholes shall be delivered to the site with waterproof coating and all manholes joints shall be sealed as described below:

##### **Waterproof Coating**

All manhole sections shall be coated with a waterproofing material. Surface preparation, curing, and coating application shall be in accordance with the manufacturer’s recommendations. Waterproof coating shall be MC-Tar as manufactured by Wasser High-Tech Coatings, Amercoat 78HB as manufactured by Ameron International, or an approved equivalent.

##### **External Joint Wrap**

External joint wrap shall be applied to all manholes to seal the manhole from infiltration.

External joint wrap shall be applied to all joints in the manhole barrel and the top and bottom of the cone. The external surface shall be cleaned of dirt, grease, or loose material and any sealer sticking out from the joint shall be trimmed. The external joint wrap shall be 6-inch or greater in width. External joint wrap shall be RU116-RUBR-NEK as manufactured by Henry Company, BestSeal Wrap as manufactured by Best Fitt Gasket Co., Inc, or an approved equivalent.

#### **7-05.4 Measurement**

*(April 10, 2008 R&E GSP)*

Section 7-05.4 is supplemented with the following:

No specific unit of measure shall apply for the item “Adjustments to Finished Grade.”

Section 7-05.4 is supplemented with the following:

Measurement for the various inlets, manholes, vaults, yard drains, and catch basins as indicated in the Bid Proposal, shall be per each. The following items shall be incidental and included in the unit price per each:

1. Structure Excavation Class B Including Haul including asphalt pavement, concrete curb & gutters, concrete sidewalks, and driveways.
2. Shoring or Extra Excavation Class B Including Haul
3. Dewatering if required
4. Gaskets, fittings, frames and grates
5. Risers for outlet control where indicated including pipe and fittings necessary for construction of the riser.
6. Bedding
7. Compaction
8. Curb modifications required per the Standard Plans
9. Connection to existing culverts, structures and drain lines
10. Temporary pumping and transportation of sewer flows, including pumps and trucks.
11. Other work and materials, not specifically identified as being paid elsewhere

#### **7-05.5 Payment**

*(April 10, 2008 R&E GSP)*

Modify this Section with: "The unit contract price per each for the manholes as indicated in the Bid Proposal shall be full compensation for all labor, tools, equipment and materials necessary to furnish, haul and assemble the structure including gaskets, external joint wrap, locking frames and grates or covers. This work includes excavation Class B, furnishing and placing bedding material, compacted backfill, and to perform all other work and furnish all materials incidental to the construction of this item. No additional compensation will be made for connection to existing structures. These items will be incidental to the items listed in the Bid Proposal.

Payment for “Adjustments to Finished Grade” shall be per lump sum and shall include adjustment for all existing manholes, catch basins, inlets, and clean-outs including HMA patch.

## **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**

### **7-08.1 Description**

*(February 5, 2008 R&E GSP)*

Add to this Section: "Groundwater may be present on the project site. All costs for dewatering shall be considered incidental to bid items within the contract."

Add to this Section: "The soils on the site are considered unsuitable for trench backfill beneath the roadway prism. Gravel base for back fill is payable under separate bid item."

### **7-08.3(1)C Bedding the Pipe**

*(February 5, 2008 R&E GSP)*

Add to this Section: "PVC sanitary sewer pipe as indicated on the bid proposal form shall be bedded with pea gravel pipe bedding material meeting the requirements for gravel backfill for pipe zone bedding per section 9-03.12(3) as modified and shall be considered as incidental to the cost of the pipe."

### **7-08.4 Measurement**

*(April 14, 2008 R&E GSP)*

Section 7-08.4, the third paragraph is deleted.

### **7-08.5 Payment**

*(April 14, 2008 R&E GSP)*

The fifth paragraph of this section is revised to read:

Abandoning and/or plugging pipes shall be incidental to the bid item "Removal of Structures and Obstructions".

## **7-17 SANITARY SEWERS**

### **7-17.1 Materials**

Add to this Section: "If workers enter any trench or other excavation four feet or more in depth that does not meet the open pit requirements of Section 2-09.3(3)B of the Standard Specifications, it shall be shored and cribbed. The Contractor alone shall be responsible for worker safety and the City of Blaine assumes no responsibility. All trench safety systems shall meet the requirements of the Washington Industrial Safety and Health Act, Chapter 49.17 RCW including WAC 296-155. "

Add to this section: "PVC pipe bedding shall be in accordance with Section 7-08."

Add to this Section: "Sanitary Sewer Manholes shall conform to the specified Standard Plan and shall be fitted with a boot or approved gasketed connection for sewer pipes. Channels shall be grouted around the pipe gasket or boot. Covers are to be locking type."

Add to this section: "This work shall include the installation of seepage collars as shown on the plans."

### **7-17.3(2) Cleaning and Testing**

#### **7-17.3 (2)A General**

Add to this Section: "Sewer pipe ends shall be capped and marked with a 2-inch PVC pipe spray painted green. The PVC pipe shall extend from the sewer pipe invert to the proposed ground surface with a minimum surface exposure of 2 inches.

Add to this Section: "Sanitary Sewer Pipe shall be tested visually for alignment with full circle visibility required between manholes. Other test methods specified in Section 7-17.3(2) may be required of the Contractor and no additional compensation will be allowed.

All frames and lids shall be bolt-down type.

#### **7-17.4 Measurement**

*(April 14, 2008 R&E GSP)*

Add to this Section: "Measurement for Sanitary Sewer Pipe as indicated on the Bid Proposal Form shall be per linear foot. The following items shall be incidental and included in the unit prices:

1. Structure Excavation Class B, Including Haul
2. Dewatering if required
3. Pipe bedding as shown on the plans
4. Backfilling
5. Detectable marking tape
6. Compaction
7. Pipe, Couplings bands, fittings and associated gaskets
8. Re-channeling existing manhole
9. Connection to existing sanitary sewer with plug
10. Sewer caps and pipe markers
11. Cleaning the pipe
12. Temporary pumping or diversion of existing sanitary sewer flows.
13. Other work and materials, not specifically identified as being paid elsewhere.

#### **7-17.5 Payment**

The unit contract price per linear foot for "PVC Sanitary Sewer Pipe 8-Inch Diameter" and "PVC Sanitary Sewer Pipe 6-Inch Diameter", as indicated on the Bid Proposal, shall be full compensation

for all labor, tools, and equipment necessary to supply and install the pipe regardless of size, pipe bedding, fittings, cleaning, dewatering, excavation, backfilling and other items required for the construction of the sanitary sewers as specified in Section 7-17 and 7-18. Other work and materials not specifically identified, as being paid elsewhere will be considered incidental to this bid item and no other payment will be made.

Add to this Section: “The unit contract price per each for “Seepage Collar”, as indicated on the Bid Proposal, shall be full compensation for all material, labor, tools, dewatering, excavation, and equipment necessary to install the seepage collars as shown on the plans.”

***DIVISION 8***  
**MISCELLANEOUS CONSTRUCTION**

**8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**

**8-01.3(1)B Erosion and Sediment Control (ESC) Lead**  
*(February 7, 2008 R&E GSP)*

Add to this Section: All requirements of the Department of Ecology Construction General Permit shall be the responsibility of the Contractor. The Contractor shall be responsible for the weekly inspections by a Certified ESC Lead. Sampling and analysis of discharges for turbidity shall be conducted on a regular basis as described in the enclosed permit requirements. Copies of all inspections, test results, and reports shall be submitted to the City for staff review and filing. Compliance with all DOE requirements shall be the full responsibility of the Contractor.

**8-01.4 Measurement**  
*(February 7, 2008 R&E GSP)*

The first paragraph of Section 8-01.4 is revised to read:

No specific unit of measure shall apply to the lump sum item “ESC Lead.”

**8-01.5 Payment**  
*(February 7, 2008 R&E GSP)*

The first item, “ESC Lead”, of Section 8-01.5 is revised to read:

“ESC Lead”, lump sum.

The tenth item, “Inlet Protection” of Section 8-01.5 is revised to read:

“Inlet Protection”, per each. The unit contract price per each for inlet protection shall include all costs for removal and disposal of accumulated debris, inlet protection maintenance, and inlet protection installation, removal and disposal.

## 8-02 ROADSIDE PLANTING

### 8-02.1 Description

“Landscape Restoration” shall be used to blend new construction with existing where seeded lawn installation is not used. Work shall include, but not be limited to tree and shrub trimming, transplanting trees and shrubs, spreading bark mulch, and restoring other ornamental landscaping. “Seeded Lawn Installation” shall be used to restore all disturbed existing lawn areas. “Topsoil Type A” shall be used to match existing grade in vegetated areas.

### 8-02.3(4) Topsoil

Add to this Section: Topsoil Type A shall be composed of a three way winter mix consisting of the following:

2 parts	Soil
2 parts	Compost
3 parts	Sand

Soil shall be classified as sandy loam. Compost shall be a weed free well decomposed, humus-like material derived from the decomposition of grass clippings, leaves, branches, wood, and other organic materials. Compost shall be produced at a permitted solid waste composting facility (Composts containing shavings, cedar sawdust, or straw will not be permitted).

Sand shall consist of 100 percent passing the 3/8 inch sieve, minimum 95 percent passing the #4 sieve, and maximum of 5 percent passing the #100 sieve.

Topsoil Type A shall meet the following requirements:

Screen Size (approximate particle size)	5/8” maximum
Maturity measure (C:N ratio)	30:1
Total Nitrogen	0.5% minimum
PH range	5.5-8.0
Foreign matter by dry weight	1% maximum
Conductivity	4 mmhos/cm maximum

The Contractor shall provide a laboratory analysis and pathogen-free certification with recommendations from the laboratory for desired additives for the Engineer’s approval. The Contractor shall incorporate any additives recommended by the laboratory.

### 8-02.3(16) Lawn Installation

Add to this Section:

*Topsoil:* Type A Topsoil shall be natural, fertile, agricultural soil, capable of sustaining vigorous plant growth. It shall be of uniform composition throughout, with a mixture of subsoil. It shall be free of stones, lumps, live plants and their roots, sticks and other extraneous matter.

*Fertilizer:* Fertilizer shall be supplied by the Contractor and incorporated and mixed thoroughly into the soil at the following rate:

10 lb. 12-4-8 per 1,000 square feet.

Requirements: 50% of the nitrogen shall be derived from urea formaldehyde. 50% of the potash shall be derived from sulfate of potashmagnesia.

In addition to the above, the fertilizer shall contain the following additives:

F.T.E.	2.0%
Multritracin	0.5%

Fertilizer shall be packed in new, waterproof, non-overlaid bags clearly labeled as to weight, manufacturer and content.

*Lawn Installation:* All disturbed lawn areas shall be contoured to the Engineer's satisfaction and seeded as outlined in Section 8-02.3(14) in the Standard Specifications. Four (4) inches of topsoil Type "A" shall be used in all lawn installation areas as shown on the plans.

*Seed:*

(1) Analysis:

- a. 50% improved fine - textured Perennial Ryegrass. Select from following list of any three (3) with no single selection to total over 25% of total mixture.

1. Manhattan
2. Pennfine
3. Loretta
4. Derby
5. Citation
6. Yorktown

b. 50% improved low growing Kentucky Bluegrass. Select from following list any (3) with no single selection to total 25% of total mixture.

1. Baron
2. Victa
3. Bonnie Blue
4. Adelphi
5. Pennstar
6. Bristol

(2) Seeding Rates:

a. 175 lbs. per acre or 4.0 lbs. per 1,000 sq. ft.

(3) Certification:

a. Seed shall conform to the standards for "certified" grade seed or better. Seed shall be furnished in standard containers on which shall be shown the following information: seed name, lot number, net weight, percentage of purity, percentage of germination, percentage of weed seed, and inert material.

(4) Upon Request:

a. Contractor shall furnish to the Engineer duplicate copies of a statement signed by the vendor certifying that each lot of seed has been tested by a recognized seed testing laboratory within 6 months before the date of delivery on the project. Seed which has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.

The Contractor shall perform all necessary operations of mowing, fertilizing and watering to fully establish the grass through the second mowing. After the second mowing all lawn areas shall be fertilized with 15 pounds of 12-4-8 per 1,000 square feet.

(5) Guarantee:

a. Initial Acceptance: The Contractor may request inspection for initial acceptance 30 days after planting is complete. Upon completion at this time, initial acceptance will be certified in writing by the Engineer.

The Contractor's guarantee shall extend for one year from the date of the initial acceptance of the work. All lawn must be in vigorous growing condition at the end of the guarantee period. Defective materials, as

determined by the Engineer, shall be replaced at the beginning of the first succeeding planting season and shall be in place prior to final acceptance. Failure on the part of the Contractor to comply with this requirement shall constitute grounds for the owner, or another Contractor of his choosing, to replace the necessary lawn on a time and materials basis plus 15% overhead and profit and to utilize the maintenance bond for payment.

- b. Final Acceptance: One year after initial acceptance in response to ten days written notice from the Contractor, a final inspection of the work will be completed jointly by the Contractor and the Engineer. Upon completion of the repairs or renewals which the Engineer deems necessary at this inspection, final acceptance shall be certified in writing by the Engineer.

#### **8-02.4 Measurement**

Add to this Section: "Raking, rolling, fertilizing, seeding, watering, mowing, mulching, lawn establishment, and any other associated items required for Seeded Lawn Installation shall be considered incidental to the unit contract price per square yard for "Seeded Lawn Installation". No separate measurement will be made for Topsoil Type A, composted mulch, water and fertilizer where applied for "Seeded Lawn Installation Incl. Topsoil".

#### **8-02.5 Payment**

"Payment for "Landscape Restoration" shall be on a force account basis as per Section 1-09 of the Standard Specifications. For the purpose of providing a common proposal for all bidders, and for that purpose only, the City has established the amount of force account for this item and has entered the amount in the bid proposal to become a part of the total bid by the Contractor.

The unit contract price per square yard for "Seeded Lawn Installation" shall be full compensation for all labor, materials, including tools and equipment necessary to perform the work as specified herein. Furnishment and installation of Topsoil Type A shall be incidental to "Seeded Lawn Installation".

The unit contract price per cubic yard for "Topsoil Type A" shall be full compensation for all labor, materials, including tools and equipment necessary to perform the work as specified herein.

### **8-30 POTHOLE EXISTING UNDERGROUND UTILITY – NEW SECTION**

*(February 11, 2008 R&E GSP)*

#### **8-30.1 Description**

When directed by the Engineer, this work shall consist of potholing existing underground utilities as shown on the Plans or as directed by the Engineer. The Contractor shall perform utility investigations or coordinate with utility companies as required. At the direction of the Engineer, the Contractor shall perform exploratory excavations or provide hand potholing as required to collect as-built utility information. The Contractor shall verify the depth and location of existing underground

utilities. The Contractor shall immediately notify the Engineer if field conditions differ from that shown on the Plans. The Contractor shall give the owner advance notice of four (4) working days, prior to conducting such investigations.

#### **8-30.4 Measurement**

Measurement for “Pothole Existing Underground Utility” will be by the unit for each pothole.

#### **8-30.5 Payment**

Payment will be made in accordance with Section 1-04.1, for the following bid items:

“Pothole Existing Underground Utility”, per each. The unit contract price per each for “Pothole Existing Underground Utility” shall be full compensation for all equipment, labor, and materials to locate the existing utility, verify the utilities’ vertical and horizontal location, and restoring the disturbed area.

### **8-31 REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES – NEW SECTION**

*(February 11, 2008 R&E GSP)*

#### **8-31.1 Description**

This work shall consist of the repair, replacement or reconstruction of existing public and private facilities as directed by the engineer. This shall not exempt the contractor from protecting known existing facilities, or from the responsibility for repair of such known existing facilities.

#### **8-31.3 Construction Requirements**

The contractor shall obtain written or verbal approval from the engineer, prior to proceeding with any repair of existing or private facilities. Work performed without approval from the engineer will not be compensated.

The contractor and the contracting agencies representative or engineer shall reconcile the hours of work for labor and equipment on a daily basis for the purpose of tracking all work under this item. The contractor shall supply the engineer with material invoices for all materials incorporated into this work in a timely manner. Invoices shall be original or copies of original invoices from the material supplier.

#### **8-31.4 Measurement**

Work performed under the item “Repair Existing Public and Private Facilities” shall be measured in accordance with Section 1-09.6 Force Account.

### **8-31.5 Payment**

Payment for the item “Repair Existing Public and Private Facilities” shall be full compensation for all labor, tools, equipment, materials and subcontractor work needed to complete individual items of work as directed by the engineer. This item shall be paid in accordance with Section 1-09.6 Force Account.

### **8-32 DRAINAGE IMPROVEMENTS – NEW SECTION**

*(July 16, 2014 R&E GSP)*

#### **8-32.1 Description**

This work shall consist of drainage improvements to Allan St. immediately north of H St. as directed by the engineer. Possible improvements may involve grading, removal and installation of curb and gutter and asphalt concrete.

#### **8-32.4 Measurement**

Work performed under the item “Drainage Improvements” shall be measured in accordance with Section 1-09.6 Force Account.

### **8-31.5 Payment**

Payment for the item “Drainage Improvements” shall be full compensation for all labor, tools, equipment, materials and subcontractor work needed to complete individual items of work as directed by the engineer. This item shall be paid in accordance with Section 1-09.6 Force Account.

**DIVISION 9  
MATERIALS**

**9-03 AGGREGATES**

**9-03.8(7) HMA Tolerances and Adjustments**

*(May 25, 2006 APWA GSP)*

Item 1 is deleted and replaced with:

(\*\*\*\*)

1. **Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	<b>Nonstatistical Evaluation</b>	<b>Commercial Evaluation</b>
Aggregate, percent passing 1", ¾", ½", and 3/8" sieves	±6%	±8%
U.S. No. 4 sieve	±6%	±8%
U.S. No. 8 sieve	±6%	±8%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%

These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the control points section, except the tolerance limits for sieves designated as 100% passing will be 99-100. The tolerance limits on sieves shall only apply to sieves with control points.

**9-03.12 Gravel Backfill**

*(February 11, 2008 R&E GSP)*

Add the following section:

**9-03.12(3)A Pea Gravel for Pipe Bedding**

Pea gravel for pipe bedding shall consist of naturally occurring material. It shall be free from various types of wood waste or other extraneous or objectionable materials. It shall have characteristics of size and shape that it will compact and shall meet the following specifications for grading:

<u>Sieve Size</u>	<u>Percent Passing</u>
¾" square	100
3/8" square	95-100
U.S. No. 8	0-10
U.S. No. 200	0-3

All percentages are by weight.

# **APPENDICES**

# **STATE PREVAILING WAGE RATES**

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: 8/6/2014

County	Trade	Job Classification	Wage	Holiday	Overtime	Note
Whatcom	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$41.69	5D	1H	
Whatcom	<a href="#">Boilermakers</a>	Journey Level	\$44.35		1	
Whatcom	<a href="#">Brick Mason</a>	Brick And Block Finisher	\$43.26	5A	1M	
Whatcom	<a href="#">Brick Mason</a>	Journey Level	\$50.12	5A	1M	
Whatcom	<a href="#">Brick Mason</a>	Pointer-Caulker-Cleaner	\$50.12	5A	1M	
Whatcom	<a href="#">Building Service Employees</a>	Janitor	\$9.32		1	
Whatcom	<a href="#">Building Service Employees</a>	Shampooer	\$9.32		1	
Whatcom	<a href="#">Building Service Employees</a>	Waxer	\$9.32		1	
Whatcom	<a href="#">Building Service Employees</a>	Window Cleaner	\$9.32		1	
Whatcom	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$24.89		1	
Whatcom	<a href="#">Carpenters</a>	Acoustical Worker	\$50.82	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Bridge, Dock And Wharf Carpenters	\$50.82	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Carpenter	\$50.82	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Carpenters on Stationary Tools	\$50.95	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Creosoted Material	\$50.92	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Floor Finisher	\$50.82	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Floor Layer	\$50.82	5D	1M	
Whatcom	<a href="#">Carpenters</a>	Scaffold Erector	\$50.82	5D	1M	
Whatcom	<a href="#">Cement Masons</a>	Journey Level	\$51.18	7A	1M	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver	\$105.37	5D	1M	8A
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$59.50	5D	1M	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$54.82	5D	1M	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator	\$54.82	5D	1M	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator Tender	\$51.07	5A	1B	
Whatcom	<a href="#">Dredge Workers</a>	Assistant Engineer	\$53.00	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$52.58	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Boatmen	\$52.30	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Engineer Welder	\$54.04	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$55.17	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Mates	\$52.30	5D	3F	
Whatcom	<a href="#">Dredge Workers</a>	Oiler	\$52.58	5D	3F	
Whatcom	<a href="#">Drywall Applicator</a>	Journey Level	\$50.82	5D	1H	
Whatcom	<a href="#">Drywall Tapers</a>	Journey Level	\$29.63		1	
Whatcom	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$13.82		1	
Whatcom	<a href="#">Electricians - Inside</a>	Cable Splicer	\$60.71	7H	1E	
Whatcom	<a href="#">Electricians - Inside</a>	Construction Stock Person	\$29.41	7H	1D	
Whatcom	<a href="#">Electricians - Inside</a>	Journey Level	\$56.69	7H	1E	
Whatcom	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.37		1	
Whatcom	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$14.69		1	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$68.33	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$62.50	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$42.56	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$62.50	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$62.50	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$52.47	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$62.50	5A	4A	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$46.55	5A	4A	
Whatcom	<a href="#">Electronic Technicians</a>	Journey Level	\$25.09		1	
Whatcom	<a href="#">Elevator Constructors</a>	Mechanic	\$80.14	7D	4A	
Whatcom	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$86.77	7D	4A	
Whatcom	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In-Factory Work Only	\$13.67		1	
Whatcom	<a href="#">Fence Erectors</a>	Fence Erector	\$22.97		1	
Whatcom	<a href="#">Flaggers</a>	Journey Level	\$35.34	7A	3I	
Whatcom	<a href="#">Glaziers</a>	Journey Level	\$53.76	7L	1Y	
Whatcom	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journeyman	\$58.93	5J	1S	
Whatcom	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$19.85		1	
Whatcom	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$42.99	7A	3I	
Whatcom	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$9.32		1	
Whatcom	<a href="#">Inland Boatmen</a>	Boat Operator	\$54.57	5B	1K	
Whatcom	<a href="#">Inland Boatmen</a>	Cook	\$50.95	5B	1K	
Whatcom	<a href="#">Inland Boatmen</a>	Deckhand	\$51.19	5B	1K	
Whatcom	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$52.18	5B	1K	

Whatcom	<a href="#">Inland Boatmen</a>	Launch Operator	\$53.40	5B	1K	
Whatcom	<a href="#">Inland Boatmen</a>	Mate	\$53.40	5B	1K	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$9.73		1	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$11.48		1	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$12.78		1	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$9.32		1	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$10.53		1	
Whatcom	<a href="#">Insulation Applicators</a>	Journey Level	\$50.82	5D	1M	
Whatcom	<a href="#">Ironworkers</a>	Journeyman	\$59.77	7N	1O	
Whatcom	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Airtrac Drill Operator	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Ballast Regular Machine	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Batch Weighman	\$35.34	7A	3I	
Whatcom	<a href="#">Laborers</a>	Brick Pavers	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Brush Cutter	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Brush Hog Feeder	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Burner	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Caisson Worker	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Carpenter Tender	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Caulker	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Cement Dumper-paving	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Cement Finisher Tender	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Change House Or Dry Shack	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Chipping Gun (under 30 Lbs.)	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Chipping Gun(30 Lbs. And Over)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Choker Setter	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Chuck Tender	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Clary Power Spreader	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Clean-up Laborer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Concrete Dumper/chute Operator	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Concrete Form Stripper	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Concrete Placement Crew	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Concrete Saw Operator/core Driller	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Crusher Feeder	\$35.34	7A	3I	
Whatcom	<a href="#">Laborers</a>	Curing Laborer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (incl. Charred Material)	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Ditch Digger	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Diver	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Drill Operator (hydraulic,diamond)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Dry Stack Walls	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Dump Person	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Epoxy Technician	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Erosion Control Worker	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Fine Graders	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Firewatch	\$35.34	7A	3I	
Whatcom	<a href="#">Laborers</a>	Form Setter	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Gabian Basket Builders	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	General Laborer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Grinders	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Grout Machine Tender	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	GROUTMEN (pressure)including Post Tension Beams	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Guardrail Erector	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	High Scaler	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Jackhammer	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Laserbeam Operator	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Maintenance Person	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Manhole Builder-mudman	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Material Yard Person	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Motorman-dinky Locomotive	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pavement Breaker	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pilot Car	\$35.34	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pipe Layer Lead	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pipe Layer/tailor	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pipe Pot Tender	\$42.46	7A	3I	

Whatcom	<a href="#">Laborers</a>	Pipe Reliner	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pipe Wrapper	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Pot Tender	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Powderman	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Powderman's Helper	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Power Jacks	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Raker - Asphalt	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Re-timberman	\$42.99	7A	3I	
Whatcom	<a href="#">Laborers</a>	Remote Equipment Operator	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Rigger/signal Person	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Rip Rap Person	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Rivet Buster	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Rodder	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Scaffold Erector	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Scale Person	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Sloper (over 20')	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Sloper Sprayer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Spreader (concrete)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Stake Hopper	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Stock Piler	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Tamper (multiple & Self-propelled)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Topper	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Track Laborer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Track Liner (power)	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Traffic Control Laborer	\$37.79	7A	3I	8R
Whatcom	<a href="#">Laborers</a>	Traffic Control Supervisor	\$37.79	7A	3I	8R
Whatcom	<a href="#">Laborers</a>	Truck Spotter	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Tugger Operator	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 0-30 psi	\$60.06	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$65.09	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$68.77	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$74.47	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$76.59	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$81.69	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$83.59	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$85.59	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$87.59	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$43.09	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Miner	\$43.09	7A	3I	8Q
Whatcom	<a href="#">Laborers</a>	Vibrator	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Vinyl Seamer	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers</a>	Watchman	\$32.12	7A	3I	
Whatcom	<a href="#">Laborers</a>	Welder	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Well Point Laborer	\$42.46	7A	3I	
Whatcom	<a href="#">Laborers</a>	Window Washer/cleaner	\$32.12	7A	3I	
Whatcom	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$41.69	7A	3I	
Whatcom	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$42.46	7A	3I	
Whatcom	<a href="#">Landscape Construction</a>	Irrigation Or Lawn Sprinkler Installers	\$11.50		1	
Whatcom	<a href="#">Landscape Construction</a>	Landscape Equipment Operators Or Truck Drivers	\$11.50		1	
Whatcom	<a href="#">Landscape Construction</a>	Landscaping Or Planting Laborers	\$11.50		1	
Whatcom	<a href="#">Lathers</a>	Journey Level	\$50.82	5D	1H	
Whatcom	<a href="#">Marble Setters</a>	Journey Level	\$50.12	5A	1M	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$13.81		1	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$9.32		1	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$13.81		1	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$13.81		1	
Whatcom	<a href="#">Millwright</a>	Journey Level	\$30.79		1	
Whatcom	<a href="#">Modular Buildings</a>	Journey Level	\$9.32		1	
Whatcom	<a href="#">Painters</a>	Journey Level	\$37.80	6Z	2B	
Whatcom	<a href="#">Pile Driver</a>	Journey Level	\$51.07	5D	1M	
Whatcom	<a href="#">Plasterers</a>	Journey Level	\$49.29	7Q	1R	
Whatcom	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$9.32		1	
Whatcom	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$62.57	5A	1G	
Whatcom	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operators	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Batch Plant Operator, Concrete	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Bobcat	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Brooms	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cableways	\$53.49	7A	3C	8P

Whatcom	<a href="#">Power Equipment Operators</a>	Chipper	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Compressor	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine -laser Screed	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Conveyors	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: A-frame - 10 Tons And Under	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Friction 100 Tons Through 199 Tons	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Friction Over 200 Tons	\$55.17	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	\$55.17	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Crusher	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Deck Engineer/deck Winches (power)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Derricks, On Building Work	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Elevator And Man-lift: Permanent And Shaft Type	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Forklift: 3000 Lbs And Over With Attachments	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Forklifts: Under 3000 Lbs. With Attachments	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Gradechecker/stakeman	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Guardrail Punch	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Locator	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Operator	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks Over 10 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Motor Patrol Grader - Non-finishing	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Motor Patrol Graders, Finishing	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 100 Tons And Over	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Power Plant	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Quad 9, Hd 41, D10 And Over	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Rigger And Bellman	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Rollagon	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$52.58	7A	3C	8P

Whatcom	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Service Engineers - Equipment	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shotcrete/gunite Equipment	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Crane Over 175'in Height, Base To Boom	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Crane Up To 175' In Height Base To Boom	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver Under 100 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Welder	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Asphalt Plant Operators	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Assistant Engineer	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Batch Plant Operator, Concrete	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Bobcat	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brooms	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Bump Cutter	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cableways	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Chipper	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Compressor	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Finish Machine -laser Screed	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Conveyors	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: A-frame - 10 Tons And Under	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Friction 100 Tons Through 199 Tons	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Friction Over 200 Tons	\$55.17	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	\$55.17	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Crusher	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Deck Engineer/deck Winches (power)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Derricks, On Building Work	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Drilling Machine	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Elevator And Man-lift: Permanent And Shaft Type	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Forklift: 3000 Lbs And Over With Attachments	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Forklifts: Under 3000 Lbs. With Attachments	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Gradechecker/stakeman	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Guardrail Punch	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$53.49	7A	3C	8P

Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/directional Drill Locator	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/directional Drill Operator	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks Over 10 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader, Overhead 8 Yards. & Over	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Locomotives, All	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Material Transfer Device	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Motor Patrol Grader - Non-finishing	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Motor Patrol Graders, Finishing	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 100 Tons And Over	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pavement Breaker	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pile Driver (other Than Crane Mount)	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Plant Oiler - Asphalt, Crusher	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Power Plant	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pumps - Water	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quad 9, Hd 41, D10 And Over	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rigger And Bellman	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rollaggon	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Saws - Concrete	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Service Engineers - Equipment	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shotcrete/gunite Equipment	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Slipform Pavers	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Crane Over 175'in Height, Base To Boom	\$54.61	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Crane Up To 175' In Height Base To Boom	\$54.04	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Trenching Machines	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver Under 100 Tons	\$52.58	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Welder	\$53.49	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$50.22	7A	3C	8P
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$53.00	7A	3C	8P
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$44.86	5A	4A	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$42.58	5A	4A	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$44.86	5A	4A	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$40.08	5A	4A	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$30.20	5A	4A	
Whatcom	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$23.95		1	
Whatcom	<a href="#">Residential Brick Mason</a>	Journey Level	\$50.12	5A	1M	
Whatcom	<a href="#">Residential Carpenters</a>	Journey Level	\$23.81		1	
Whatcom	<a href="#">Residential Cement Masons</a>	Journey Level	\$27.28		1	

Whatcom	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$25.00		<u>1</u>	
Whatcom	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$23.91		<u>1</u>	
Whatcom	<a href="#">Residential Electricians</a>	Journey Level	\$37.65		<u>1</u>	
Whatcom	<a href="#">Residential Glaziers</a>	Journey Level	\$13.79		<u>1</u>	
Whatcom	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$13.96		<u>1</u>	
Whatcom	<a href="#">Residential Laborers</a>	Journey Level	\$20.00		<u>1</u>	
Whatcom	<a href="#">Residential Marble Setters</a>	Journey Level	\$50.12	5A	<u>1M</u>	
Whatcom	<a href="#">Residential Painters</a>	Journey Level	\$17.43		<u>1</u>	
Whatcom	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$28.26		<u>1</u>	
Whatcom	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$36.92	5A	<u>1G</u>	
Whatcom	<a href="#">Residential Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$32.24	7J	<u>1I</u>	
Whatcom	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$23.46		<u>1</u>	
Whatcom	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$31.09		<u>1</u>	
Whatcom	<a href="#">Residential Stone Masons</a>	Journey Level	\$50.12	5A	<u>1M</u>	
Whatcom	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$9.32		<u>1</u>	
Whatcom	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$14.00		<u>1</u>	
Whatcom	<a href="#">Residential Tile Setters</a>	Journey Level	\$9.32		<u>1</u>	
Whatcom	<a href="#">Roofers</a>	Journey Level	\$25.27		<u>1</u>	
Whatcom	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$56.69	7F	<u>1E</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Boilermaker	\$40.12	7M	<u>1H</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Carpenter	\$15.16		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Crane Operator	\$16.04		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Electrician	\$15.18		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Heat & Frost Insulator	\$58.93	5J	<u>1S</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Inside Machinist	\$16.70		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Laborer	\$23.38		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Outside Machinist	\$14.69		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Painter	\$15.16		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Pipefitter	\$15.18		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Sheet Metal	\$20.26		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Welder/burner	\$15.21		<u>1</u>	
Whatcom	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$16.03		<u>1</u>	
Whatcom	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Journey Level	\$14.23		<u>1</u>	
Whatcom	<a href="#">Soft Floor Layers</a>	Journey Level	\$42.15	5A	<u>3D</u>	
Whatcom	<a href="#">Solar Controls For Windows</a>	Journey Level	\$9.32		<u>1</u>	
Whatcom	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$35.06		<u>1</u>	
Whatcom	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$13.23		<u>1</u>	
Whatcom	<a href="#">Stone Masons</a>	Journey Level	\$50.12	5A	<u>1M</u>	
Whatcom	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$15.00		<u>1</u>	
Whatcom	<a href="#">Surveyors</a>	All Classifications	\$36.16	Null	<u>1</u>	
Whatcom	<a href="#">Telecommunication Technicians</a>	Journey Level	\$40.82	7E	<u>1E</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$36.01	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$20.05	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Installer (Repairer)	\$34.50	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Special Aparatus Installer I	\$36.01	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Special Apparatus Installer II	\$35.27	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Heavy)	\$36.01	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$33.47	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$33.47	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Groundperson	\$19.04	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Lineperson/Installer	\$25.27	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television System Technician	\$30.20	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Technician	\$27.09	5A	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Tree Trimmer	\$33.47	5A	<u>2B</u>	
Whatcom	<a href="#">Terrazzo Workers</a>	Journey Level	\$46.96	5A	<u>1M</u>	
Whatcom	<a href="#">Tile Setters</a>	Journey Level	\$46.96	5A	<u>1M</u>	
Whatcom	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Finisher	\$37.79	5A	<u>1B</u>	
Whatcom	<a href="#">Traffic Control Stripers</a>	Journey Level	\$17.41		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Asphalt Mix	\$30.15		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Dump Truck	\$19.32		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Dump Truck And Trailer	\$19.32		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Other Trucks	\$14.48		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Transit Mixer	\$16.81		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$15.00		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$9.32		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$18.02		<u>1</u>	