City of Stanwood, Washington
Project Specifications and Provisions

272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

City of Stanwood
Department of Public Works
10220 270th Street NW
Stanwood, Washington 98292

CERTIFICATE OF ENGINEER

272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

City of Stanwood

February 10, 2026

These bidding and contract documents have been prepared by, or under the direction of, the following registered professional engineer[s], licensed in accordance with the laws of the State of Washington to practice in the State of Washington:

David Harmsen, PE

Approved for Construction:

Kevin Hushagen

Kevin Hushagen
Public Works Director

ADVERTISEMENT FOR BIDS
272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

Opening: March 3, 2026

City of Stanwood

Sealed bids will be received by the Public Works Director at **Stanwood City Hall**, 10220 270th Street NW, Stanwood, Washington 98292, until 2:00 PM, March 3, 2026, and not later, and will then and there be opened and publicly read at that time for the construction of the following improvements:

> The 272nd ST NW 72nd Ave NW Sidewalk Improvement project consists of Curb, gutter, planter strip and sidewalk with storm drainage and treatment along 272nd St NW from 78th Ave NW east to 72nd Ave NW and then north along the west side of 72nd Ave NW to end of the current sidewalk south of Tyler Pl NW and along the north side of 272nd St NW from the end of the existing sidewalk opposite 78th Ave NW east to the west entrance of the parking lot of the Bob Larson Stadium. The project also includes 12" C900 water main connecting existing system on 72nd to existing system on 272nd.

The Engineer's estimate for this project ranges between $700,000 to $800,000. The project's Physical Completion Date shall be within 40 working days of the Notice to Proceed. Work to begin after June 20th 2026.

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

Project Bid documents (Plans, Specifications, and Addenda) will also be available on the City of Stanwood's website by going to http://www.stanwoodwa.org and checking on "Bid Opportunities", under "Doing Business."

A pre-bid conference will not be held for this Project.

All bids shall be submitted on the prescribed Bid Forms and in the manner as stated in this advertisement and in the Project Manual and said bids shall be accompanied by a bid deposit in the form of a cashier's check, postal money order, or surety bond to the City of Stanwood in the amount of five percent (5%) of the total amount of the bid. If a surety bond is used, said bond shall be issued by a surety authorized and registered to issue said bonds in the State of Washington. The bond shall specify the surety's name, address, contact and phone number, and shall include a power of attorney appointing the signatory of the bond as the person

authorized to execute it. Should the successful bidder fail to enter into the Contract and furnish satisfactory performance bond within the time stated in the Information for Bidders, the bid deposit shall be forfeited to the City of Stanwood. Faxed bids and/or surety bonds will not be accepted.

Minority and women owned businesses shall be afforded full opportunity to submit bids in response to this invitation, shall not be discriminated against on the grounds of gender, race, color, age, national origin or handicap in consideration of an award of any contract or subcontract, and shall be actively solicited for participation in this project by direct mailing of the invitation to bid to such businesses as have contacted the City for such notification. Further, all bidders are directed to solicit and consider minority and women owned businesses as potential subcontractors and material suppliers for this project.

The City of Stanwood reserves the right to accept the bid that is in the best interest of the City, to postpone the acceptance of bids and the award of the Contract for a period not to exceed sixty (60) days, or to reject any and all bids received. Subject to the foregoing, the bid may be awarded to the lowest responsible bidder. When awarded the Contract, the successful bidder shall promptly execute the Contract and shall furnish a bond of faithful performance of the Contract in the full amount of the Contract price.

Bids must be submitted in a sealed envelope with the outside clearly marked with the bid opening date, bid opening time, and the project name as it appears in this advertisement and the name and address of the bidder. Bids shall be addressed to the Public Works Director, City of Stanwood, 10220 270th St NW, Stanwood, Washington 98292.

Questions or comments regarding this project shall be submitted in writing to Alan Lytton, City of Stanwood, via email (Alan.Lytton@ci.stanwood.wa.us). Questions via phone will not be accepted. Bidders shall submit questions **no later than 2:00 p.m. Thursday, March 3, 2026**. Questions or comments will not be acknowledged after this time and date.

Kevin Hushagen
Public Works Director

Publish: ***First Publication: Everett Herald, Daily Journal of Commerce: February 10, 2026.***
Second Publication: Everett Herald: February 17, 2026

CITY OF STANWOOD
272nd St NW / 72nd Ave NW Sidewalk Improvements

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PART I

BIDDING REQUIREMENTS

INSTRUCTIONS TO BIDDERS

Bidders shall satisfy themselves by personal examination of Plans, Specifications, and site of the proposed improvements, and by any other examination and investigation that they may desire to make as to the accuracy of the estimate of quantities, the nature of the work, and the difficulties to be encountered.

Bids shall be submitted upon the Proposal form that is bound to these Specifications. The Contractor shall submit the Bid Proposal Form, Bid Bond, and Non-collusion Affidavit in a sealed package, addressed to the City, and plainly marked "*272nd St NW / 72nd Ave NW Sidewalk Improvements*." Bids shall be delivered, opened, and read publicly and City of Stanwood City Hall

A Proposal will be considered irregular and will be rejected if the Proposal Form furnished by the City is not used or is altered, or if the completed Proposal Form contains any unauthorized additions, deletions, alternate Bids or conditions. No oral or telephonic proposals or modifications will be considered.

Each Proposal will be accompanied by a certified check, cashier's check, postal money order, or Proposal guaranty bond, as required by RCW 47, made payable without reservations to the City, or in the case of special districts, the County Treasurer, in amount not less than five percent (5%) of the total Bid for all Schedules. Said check or bond will be held as a guaranty that the successful Bidder will, within ten (10) days from the date of notification of award, enter into a Contract and furnish an approved Performance Bond, on form attached, in an amount equal to one hundred percent (100%) of the amount of the Contract, including state sales tax.

As soon as the bid prices have been compared, the City will return the good faith token accompanying such of the Proposals, as in the City's judgment, would not be considered in making award. All other Proposal guarantees will be held until the Contract and the Bond of the successful Bidder have been executed, after which they shall be returned to the Bidders whose Proposals they accompanied.

A Contract will not be awarded until the City is satisfied that the successful Bidder is reasonably familiar with this class of work and has the necessary capital and tools to satisfactorily perform the same. The right is specifically reserved by the City to reject any or all Proposals, to accept the proposal of the lowest responsible bidder, or to re- advertise for new proposals.

The Bidder's attention is hereby directed to that portion of the Proposal that requires that the Bidder furnish information concerning their experience with work of a similar nature, equipment to be used on this Project, and general background information. Information that is incomplete, evasive, or of a general nature only shall be considered as grounds for rejection of the Bid.

Refer to Section 1-02.1 of the Special Provisions

After the date and hour set for the opening of the Bids, no Bidder may withdraw their Proposal unless the award of the Contract is delayed for a period exceeding ninety (90) days.

In the event the successful Bidder fails to furnish an approved Performance Bond, execute the Contract, and comply with all other pertinent legal requirements within ten (10) days after

notification by the City of the award of Contract, the certified check, bank draft, or money order accompanying the Bid shall be forfeited in the amount lost by the City in making the award to the next low, responsible Bidder, but said forfeiture not to exceed five percent (5%) of the amount bid by the Contractor failing or refusing to comply with the award requirements. In the event the bid bond is tendered as a "Good Faith" token, and the awardee fails or refuses to comply with the requirements of entering a Contract on the basis of their Proposal, said Contractor and their Surety shall be likewise held liable under the Bid Bond in an amount not to exceed five percent (5%) of their Bid for losses suffered by the City in being forced to award to the new low, responsible Bidder.

No consideration will be given by the City to a claim of error in a Proposal, unless such claim is made to the City within two (2) hours after the time stated in the advertisement for receiving proposals, and unless supporting evidence of such claim, including cost breakdown sheets, is delivered to the City within three (3) hours after the time stated in the advertisements for receiving Proposals.

Bidders are expected to familiarize themselves and comply with all statutes, regulations, and ordinances that relate to their proposed work and that deal with the prevention of environmental pollution and the preservation of natural resources, including but not limited to the National Environmental Policy Act of 1969, PL 911-190, Executive Order 11514, and the State Environmental Policy Act of 1971, RCW 43.21C.

The Owner may waive any informalities or minor defects or reject any and all bids. Any bid may be withdrawn prior to the scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder will be permitted to withdraw its bid between the closing time for receipt of bids and execution of the Contract, unless the award is delayed for a period exceeding sixty (60) calendar days. A conditional or qualified bid will not be accepted.

The City of Stanwood reserves the right to accept the bid that is in the best interest of the City, to postpone the acceptance of bids and the award of the Contract for a period not to exceed sixty (60) days, or to reject any and all bids. If all bids are rejected, the City may elect to re-advertise for bids. Subject to the foregoing, the contract may be awarded to the lowest responsible bidder.

The work will begin within five (5) working days after notice to proceed from the Public Works Director and shall be completed within the time as stated in the Advertisement for Bids.

The Owner may make such investigations as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid, if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein. Subject to the foregoing, the bid award may be made to the lowest responsible bidder.

The party to whom the Contract is awarded will be required to execute the Contract and obtain the Performance and Payment Bond within ten (10) calendar days from the date the notice of award is delivered to the bidder. Such bond(s) shall be on the form provided by the Owner, specify the name, contact phone, and address of the surety, and shall include a power of attorney appointing the signatory of the bond(s) as the person authorized to execute it (them).

BIDDER'S CHECKLIST

The following forms must be executed in full and submitted with the Bid Proposal:

1. Has the Bid Security Transmittal form been completed, either by (1) attaching a bid deposit in the form of a postal money order, cashier's check or other security and filling out the part of the form above the words "Bid Bond" or (2) a surety bond in the proper form and filling out the section of the form below the words "Bid Bond"?

2. Is the amount of the bid deposit at least five percent (5%) of the total amount of the bid?

3. Have the bid forms been properly signed?

4. Have you bid on all items?

5. If Addendum(a) have been issued, have it/they been acknowledged on the Bid Fom?

6. Has the *non-collusion affidavit* been properly executed?

7. Have you shown your contractor's state license number on the Bid Form?

8. Have you listed all proposed subcontractors that you will use for the project on the Listing of Proposed Subcontractors form?

9. Have you filled out the Bidder's Construction Experience form?

10. Have you signed the **Statement of Intent to Pay Prevailing Wages**? (To be executed by the successful Bidder)

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

A. Contract - To be executed by the successful bidder and the City.

B. Performance and Payment Bond - To be executed on the form provided by Owner, by the successful bidder and its surety company. To include name, contact and phone number, and address of surety and power of attorney of signatory.

C. Insurance certificate(s).

NON-COLLUSION AFFIDAVIT

STATE OF WASHINGTON

COUNTY OF_____)

The undersigned, being first duly sworn on oath, says that the 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 (s)he further says that the said bidder has not directly or indirectly induced or solicited any bidder on the above work or supplies to put in a sham bid, or any other person or corporation to refrain from bidding, and that said bidder has not in any manner sought by collusion to secure to him/herself an advantage over any other bidder or bidders.

_____
Signature of Bidder/Contractor

Subscribed and sworn to before me this day of_____, 2026.

Notary Public in and for the State of Washington.

Residing at _____

My Comm. Exp.:_____

Title:_____

BIDDER'S CONSTRUCTION EXPERIENCE

Answer all questions and provide clear and comprehensive information.

1. Name of bidder: _____
   Registration Number: _____
2. Permanent main office address: _____
3. When organized: _____
4. Where incorporated: _____
5. How many years have you been engaged in the contracting business under your present firm name? _____
6. * Contracts on hand. (Schedule these, showing gross amount of each contract and the approximate anticipated dates of completion), contact name and phone number.

   _____

   _____

7. General character of work performed by your company:

   _____

8. Have you ever failed to complete any work awarded to you? If so, where, and why?

_____

_____

_____

_____

9. Have you ever defaulted on a contract? _____

10. List of three (3) major projects of similar nature which have been completed by the Contractor within the last three (3) years, the gross dollar amount and brief description ofeach project:

1. Project Name: _____

   Amount: _____

   Owner: _____

   Engineer's Name: _____

   Engineer's Phone: _____

   Description

   _____

   _____

2. Project Name: _____

   Amount: _____

   Owner: _____

   Engineer's Name: _____

   Engineer's Phone: _____

   Description

   _____

   _____

3. Project Name: _____

   Amount: _____

   Owner: _____

   Engineer's Name: _____

   Engineer's Phone: _____

   Description

   _____

   _____

11. List your major equipment available for this contract:

    _____

    _____

    _____

12. Will you, upon request, fill out a detailed financial statement and furnish any otherinformation that may be required by the City?

* Add separate sheets if necessary.

The undersigned hereby authorizes and requests any person, firm or corporation to furnishany information requested by the City of Stanwood.

Date:_____Bidder's Signature: _____

SUBCONTRACTOR LIST

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name: **272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS**

Failure to list subcontractors who are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW will result in your bid being non-responsive and therefore void.

Subcontractor(s) that are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. 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 does not intend to use any subcontractor to perform those items of work.

Subcontractor Name: _____

Work to be Performed: _____

Subcontractor Name: _____

Work to be Performed: _____

Subcontractor Name: _____

Work to be Performed _____

Subcontractor Name: _____

Work to be Performed _____

Subcontractor Name: _____

Work to be Performed _____

BID Proposal

To the Honorable Mayor and Council Stanwood, Washington

BUSINESS NAME:_____

BUSINESS LICENSE NUMBER _____

UBI NUMBER _____

EMPLOYEE SECURITY DEPARTMENT NUMBER: _____

272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

The undersigned has examined the site, General Stipulations, Engineering Specifications, Contract Drawings, laws, and ordinances covering the improvements contemplated. In accordance with the terms, provisions, and requirements of each of the foregoing, their respective terms and conditions are incorporated herein by this reference, and the following lump sums and unit prices are tendered as an offer to perform the work and furnish the equipment, materials, appurtenances, and guarantees, where required, complete in place and in good working order.

As evidence of good faith, cash, bid bond, cashier's check, or certified check made payable to the City Treasurer, City of Stanwood, isattached hereto. The undersigned understands and hereby agrees that, should this offer be accepted, and the undersigned fail or refuse to enter into a contract and furnish the required construction performance bond and necessary liability insurance, the undersigned will forfeit to the City an amount for the "good faith token" equal to five percent (5%) of the amount bid as liquidated damages, all as provided for in the Specifications.

The undersigned fully understands and agrees that the unit prices here submitted shall apply to the quantity actually used, regardlessof its relation to the quantity shown in the Proposal.

The undersigned freely states that he/she is familiar with the provisions of the Competitive Bidding Statutes of Washington State, specifically the provisions of RCW Chapter 9.18, and certifies that with respect to this Proposal, there has been no collusion or understanding with any other person, persons, or corporation to prevent or eliminate full and unrestricted competition upon Bidders onthis public works project.

_____ _____

Signature of Contractor's Representative Date

Contractor

If the bidder is awarded a construction contract on this bid, the name and address of the surety who will providethe performance bond is:

Surety	Agent
Surety address	Agent Address
Surety Contact and Phone Number	Agent Contact and Phone Number

BID SCHEDULE
272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

ITEM NO	SPEC SECTION	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
Schedule A: Sidewalk Improvements						
1	2-01SP	MOBILIZATION	1	LS		
TESC and GRADING						
2	8-01.5 SP	EROSION CONTROL AND WATER POLLUTION PREVENTION	1	LS		
3	8-01.5(2)	EROSION AND SEDINMENT CONTROL (ESC) LEAD	10	DAY		
4	8-01.5(2)	TEMPORARY SEEDING AND MULCHING	1100	SY		
5	8-01.5(2)	STREET CLEANING	8	HR		
6	8-01.5(2)	HIGH VISIBILITY FENCING	540	LF		
7	8-01.5(2)	SILT FENCE	810	LF		
8	8-01.5(2)	INLET PROTECTION	26	EA		
9	8-02.5	TOPSOIL TYPE C (Import)	560	SY		
10	8-02.5	SEEDING, FERTILIZING, AND MULCHING (INCL HYDROSEEDING)	560	SY		
11	3-01.5	CLEARING AND GRUBBING (incl disposal)	0.36	AC		
12	3-03.5	EMBANKMENT COMPACTION (if other than 2ft lifts)	800	CY		
13	2-04.5	TRAFFIC CONTROL	1	LS		
STORM SEWER						
14	9-03.12	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	140	CY		
15	7-04.5	SOLID WALL PVC STORM SEWER PIPE 4-INCH DIAM.	23	LF		
16	7-04.5	D.I. PIPE FOR STORM SEWER, 6-INCH DIA, CLASS 50	35	LF		
17	7-01.5	CORRUGATED POLYETHELENE STORM SEWER PIPE, 6-IN. DIAM.	12	LF		
18	7-01.5	CORRUGATED POLYETHELENE STORM	764	LF		

		SEWER PIPE, 12-IN. DIAM.				
19	7-05.5	CATCH BASIN-TYPE I	7	EA		
20	7-01.5	TRENCH DRAIN	1	LS		
21	7-05.5	CONNECTING TO EXISTING DRAINAGE STRUCTURE	3	EA		
		HOT MIX AND CONC SIDEWALKS				
22	5.04-5	HMA FOR PAVEMENT REPAIR CLASS 1/2" PG 64-22	101	TON		
23	9-03.9(3)	CRUSHED SURFACING TOP COURSE	198	TON		
24	9-03	CRUSHED SURFACING BASE COURSE	46	TON		
25	4-06.5	ASPHALT TREATED BASE, PG58H-22	101	TON		
26	8-04.5	CEMENT CONCRETE TRAFFIC CURB AND GUTTER	910	LF		
27	8-06.5	CEMENT CONC DRIVEWAY ENTRANCE TYPE 2	120	SY		
28	8-14.5	CEMENT CONCRETE WALK	616	SY		
29	8-14.5	CEMENT CONCRETE CURB RAMPS TYPE PERPENDICULAR A	22	SY		
30	8-14.5	CEMENT CONCRETE CURB RAMPS TYPE SINGLE DIRECTION A	22	SY		
		SITE DEMOLITION				
31	3-02.5	REMOVING CEMENT CONC. CURB AND GUTTER	90	LF		
32	3-02.5	REMOVING CEMENT CONC. SIDEWALK	32	SY		
33	3-02.5	SAWCUTTING EXISTING PAVEMENT (For non-waterline work only)	910	LF		
34	3-02.5	REMOVING DRAINGE STRUCTURE	2	EA		
35	3-03.5	ROADWAY EXCAVATION INCL. HAUL	20	CY		
36	3-03.5	COMMON BORROW INCL. HAUL	80	CY		
37	3-03.5	SELECT BORROW INCL. HAUL (Structural fill)	320	CY		
38	3-02.5	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS		

39	7-08.5	REMOVAL OF UNSUITABLE MATERIALS		TON		
40	8-12.4	CHAIN LINK FENCE REMOVE/RESET, 4-FOOT"	250	LF		
41	8-12.4	WIRE FENCE REMOVE, BARBED WIRE, 4-FOOT	670	LF		
42	8-12.4	COATED CHAIN LINK FENCE, 4-FOOT"	765	LF		
43	8-21.5	RELOCATE SIGNS	5	EA		
					Subtotal Sch A Computed Price	**$**
					Washington State Sales Tax 9.3%	**NA**
					Total Sch A Computed Price	**$**

ITEM NO	SPEC SECTION	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	AMOUNT
Schedule B: Water Improvements						
1B	2-01	MOBILIZATION	1	LS		
2B	7-09.5	CONNECTION TO EXISTING WATER MAIN (LIVE TAP)	2	EA		
3B	7-09.5	C900 PIPE FOR WATER MAIN, 6-INCH DIA	15	LF		
4B	7-09.5	C900 PIPE FOR WATER MAIN, 12-INCH DIA	675	LF		
5B	7-09.5	POTHOLING AT CONNECTIONS & UTILITY CROSSINGS	1	LS		
6B	7-14.5	FIRE HYDRANT ASSEMBLY (WITH STORZ ADAPTER)	2	EA		
7B	7-15.5	SERVICE CONNECTION, 1 IN DIAM.	1	EA		
Subtotal Sch B Computed Price						**$**
Washington State Sales Tax 9.3%						**$**
Total Sch B Computed Price						**$**

Total Combined Schedule A + Schedule B Computed Price $_____

ADDENDA RECEIVED

The bidder hereby acknowledges that it has received Addenda Number(s): _____ to this Project Manual, Drawings, or other related contract and/or project documents. The name of the bidder submitting this bid and its business phone number and address, to which address all communications concerned with this bid and with the Contract shall be sent, are listed below.

Bidder's firm name:

_____

Complete address:

_____

Telephone No.: _____

Signed by:_____ Title: _____

Printed Name: _____

Notes:

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

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES FORM

Effective July 23, 2017, and updated in July 2019, before award of a public works contract, the bidder under consideration for award of a public works project must submit to the public agency a sworn statement that they have not willfully violated wage payment laws within the past three years in order to be considered a responsible bidder. (See RCW 39.04.350 as modified by SSB 5301, Laws of 2017, ch. 258; modified in July 2019 by SSB 5017 regarding unsworn declarations.)

CERTIFICATE OF COMPLIANCE WITH WAGE PAYMENT STATUTES

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date, May 16, 2023, the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of Chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgement entered by a court of limited or general jurisdiction.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

_____
Bidder's Business Name

_____
Signature of Authorized Official*

_____
Printed Name

_____
Title

_____ _____ _____
Date City State

Check One:
Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

State of Incorporation, or if not a corporation, State where business entity was formed:

If a co-partnership, give firm name under which business is transacted:

**If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.*

Title VI of the Civil Rights Act of 1964

The City of Stanwood complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations. Title VI prohibits discrimination in federally assisted programs and activities on the basis of race, color, national origin, sex, age, or disability.

The City of Stanwood ensures that no person shall, on the grounds of race, color, national origin, sex, age, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any City program, service, or activity, whether those programs are federally funded or not.

Any person who believes they have been subjected to discrimination under any City of Stanwood program or activity may file a Title VI complaint with the City of Stanwood.

BID SECURITY TRANSMITTAL FORM

Herewith find an executed Bid Bond or a deposit in the form of a cashier's check, postal money order or other security in lieu of a bid bond in the amount of $ _____which amount is not less than five (5%) percent of the total bid.

SIGN HERE _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____ as Principal and _____as Surety, are held and firmly bound unto the CITY OF STANWOOD as Obligee, in the penal sum of _____ _____Dollars, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for:

272nd ST NW 72nd AVE NW SIDEWALK IMPROVEMENTS

according to the terms of the bid made by the Principal, and the Principal shall duly make and enter into a contract with the Obligee in accordance with the terms of said 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 advertisement for bids, 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 _____

_____
Principal

_____ _____
Surety Agent

_____ _____
Surety address Agent Address

_____ _____
Surety Contact and Phone Number Agent Contact and Phone Number

---

Dated: _____

Received return of deposit in the sum of $_____.

PART 2

CONTRACT DOCUMENTS

SAMPLE PUBLIC WORKS
CONTRACT

This Contract is made and entered into in duplicate this ____ day of _____, 20___ by and between the **CITY OF STANWOOD**, a non-charter code city of the State of Washington, hereinafter referred to as "the City", and _____, a _____, and _____, a Washington _____ ("Contractor") **[Delete this description: LEGAL STATUS OF ENTITY SHOULD BE INSERTED i.e., LLC; Sole Proprietor; LLP; Inc., P.S.; Partnership, Foreign Corporation licensed to do business in Washington State]** .

WITNESSETH:

Whereas, the City desires to have certain public work performed as hereinafter set forth, requiring specialized skills and other supportive capabilities; and

Whereas, the Contractor represents that it is qualified and possesses sufficient skills and the necessary capabilities to perform the services set forth in this Contract.

NOW, THEREFORE, in consideration of the terms, conditions, and agreements contained herein, the parties hereto agree as follows:

1. Scope of Work.

The Contractor shall do all work and furnish all tools, materials, and equipment in order to accomplish the following project:

Project Name, Project ***XX-XX***

in accordance with and as described in

A. this Contract, and

B. the Project Manual, which include the attached plans, Specifications, Special Provisions, submittal requirements, attachments, addenda (if any), Bid Form, Performance and Payment Bond, and

C. the Standard Specifications for Road, Bridge, and Municipal Construction prepared by the Washington State Department of Transportation, as may be specifically modified in the attached Specifications and/or Special Provisions, hereinafter referred to as "the standard specifications",

D. ☐ City of Stanwood Streets and Utilities Standards (referenced but not attached)

E. Other_____

F. Addenda (If any)

and shall perform any alterations in or additions to the work provided under this Contract and every part thereof.

The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this Contract, except as may otherwise be provided in the Project Manual.

2. Time for Performance and Liquidated Damages / Termination of Contract.

A. Time is of the essence in the performance of this Contract and in adhering to the time frames specified herein. The Contractor shall commence work within ten (10) calendar days after notice to proceed from the City, and said work shall be physically completed within ***insert no. days here*** working days after said notice to proceed, unless a different time frame is expressly provided in writing by the City.

B. If said work is not completed within the time for physical completion, the Contractor may be required at the City's sole discretion to pay to the City liquidated damages as set forth in the Project Manual, for each and every day said work remains uncompleted after the expiration of the specified time.

C. Termination of Contract.

1. Except as otherwise provided under this Contract, either party may terminate this Contract upon ten (10) working days' written notice to the other party in the event that said other party is in default and fails to cure such default within that ten-day period, or such longer period as provided by the non-defaulting party. The notice of termination shall state the reasons therefore and the effective date of the termination.

2. The City may also terminate this Contract in accordance with the provisions of Section 1-08.10 of the Standard Specifications.

3. Compensation and Method of Payment.

A. The City shall pay the Contractor for work performed under this Contract as detailed in the bid, as incorporated in the Project Manual.

B. Payments for work provided hereunder shall be made following the performance of such work, unless otherwise permitted by law and approved in writing by the City. No payment shall be made for any work rendered by the Contractor except as identified and set forth in this Contract.

C. Progress payments shall be based on the timely submittal by the Contractor of the City's standard payment request form.

D. Payments for any alterations in or additions to the work provided under this Contract shall be in accordance with the Request For Information (RFI) and/or Construction Change Order (CCO) process as set forth in the Project Manual. Following approval of the RFI and/or CCO, the Contractor shall submit the standard payment request form(s).

E. The Contractor shall submit payment requests with a completed Application for Payment form, an example of which is included in the Attachments to this Contract. This form includes a lien waiver certification and shall be notarized before submission. Applications for payment not signed or notarized shall be considered incomplete and ineligible for payment consideration. The City shall initiate authorization for payment after receipt of a satisfactorily completed payment request form and shall make payment to the Contractor within approximately thirty (30) days thereafter.

4. Independent Contractor Relationship.

The relationship created by this Contract is that of independent contracting entities. No agent, employee, servant, or representative of the Contractor shall be deemed to be an employee, agent, servant, or representative of the City, and the employees of the Contractor are not entitled to any of the benefits the City provides for its employees. The Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants, subcontractors, or representatives during the performance of this Contract. The Contractor shall assume full responsibility for payment of all wages and salaries and all federal, state, and local taxes or contributions imposed or required, including, but not limited to, unemployment insurance, workers compensation insurance, social security, and income tax withholding.

5. Prevailing Wage Requirements.

The Contractor shall comply with applicable prevailing wage requirements of the Washington State Department of Labor & Industries, as set forth in Chapter 39.12 RCW and Chapter 296-127 WAC. The Contractor shall document compliance with said requirements and shall file with the City appropriate affidavits, certificates, and/or statements of compliance with the State prevailing wage requirements. The Washington State Prevailing Wage Rates For Public Works Contracts, Snohomish County, incorporated in this Contract have been established by the Department of Labor & Industries and are included as an Attachment to this Contract. The Contractor shall also ensure that any subcontractors or agents of the Contractor shall comply with the prevailing wage and documentation requirements as set forth herein.

6. Indemnification and Hold Harmless.

A. The Contractor shall defend, indemnify, and hold harmless the City, its officers, officials, employees, and volunteers against and from any and all claims, injuries, damages, losses, or suits, including attorney fees, arising out of or in connection with the performance of this Contract, except for injuries and damages caused by the sole negligence of the City.

B. The Contractor's duty to indemnify the City shall not apply to liability for damages arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the City or its elected officials, agents, officers and/or employees.

C. The Contractor's duty to indemnify the City for liability for damages arising out of bodily injury to persons or damage to property caused by or resulting from the concurrent negligence of (a) the City and/or its elected officials, agents, officers and/or employees, and (b) the Contractor and/or its directors, officers, agents, employees, consultants, and/or subcontractors, shall apply only to the extent of

negligence of Contractor and/or its directors, officers, agents, employees, consultants, and/or subcontractors

D. Should a court of competent jurisdiction determine that this Contract is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Contractor and the City, its officers, officials, employees, and volunteers, the Contractor's liability hereunder shall be only to the extent of the Contractor's negligence.

It is further specifically and expressly understood that the indemnification provided herein constitutes the Contractor's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties.

E. Nothing contained in this section or Contract shall be construed to create a liability or a right of indemnification by any third party.

F. The provisions of this section shall survive the expiration or termination of this Contract.

7. Insurance.

A. **Insurance Term.**

The Contractor shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise, as required in this Section, without interruption from or in connection with the performance commencement of the Contractor's work through the term of the work hereunder by the Contractor, their agents, representatives, employees or subcontractors contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated herein.

B. **No Limitation**

Contractor's maintenance of insurance, its scope of coverage and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

C. **Minimum Scope of Insurance**.

Contractors required insurance shall be of the types and coverage as stated below:

1. Automobile Liability insurance covering all owned, non-owned, hired and leased vehicles. Coverage shall be written on at least as broad as Insurance Services Office (ISO) form CA Automobile 00 01 or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.

2 Commercial General Liability insurance shall be written on at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract. The Commercial General Liability insurance shall be endorsed

to provide the per project general aggregate limit using ISO form CG 25 03 05 09 or an equivalent endorsement There shall be no exclusion for liability arising from explosion, collapse or underground property damage. The City shall be named as an additional insured under the Contractor's Commercial General Liability insurance policy with respect to the work performed for the City using ISO Additional Insured endorsement CG 20 10 10 01 and Additional Insured-Completed Operations endorsement CG 20 37 10 01 or substitute endorsements providing at least as broad of coverage.

3. Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington

4. x Required. Builders Risk insurance covering interests of the City, the Contractor, Subcontractors, and Sub-contractors in the work. Builders Risk insurance shall be on a special perils policy form and shall insure against the perils of fire and extended coverage and physical loss or damage including flood, earthquake, theft, vandalism, malicious mischief, and collapse. The Builders Risk insurance shall include coverage for temporary buildings, debris removal and damage to materials in transit or stored off-site. This Builders Risk insurance covering the work will have a deductible of $5,000 for each occurrence, which will be the responsibility of the Contractor. Higher deductibles for flood and earthquake perils may be accepted by the City upon written request by the Contractor and written acceptance by the City. Any increased deductibles accepted by the City will remain the responsibility of the Contractor. The Builders Risk insurance shall be maintained until final acceptance of the work by the City. An installation floater may be acceptable in lieu of Builders Risk for renovation projects only if approved in writing by the City.

5. ☐ Required. Contractors Pollution Liability insurance covering losses caused by pollution conditions that arise from the operations of the Contractor. Contractors Pollution Liability insurance shall be written in an amount of at least $1,000,000 per loss, with an annual aggregate of at least $1,000,000. Contractors Pollution Liability shall cover bodily injury, property damage, cleanup costs and defense including costs and expenses incurred in the investigation, defense, or settlement of claims.

If the Contractors Pollution Liability insurance is written on a claims-made basis, the Contractor warrants that any retroactive date applicable to coverage under the policy precedes the effective date of this contract; and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of three (3) years beginning from the time that work under the contract is completed.

The City shall be named by endorsement as an additional insured on the Contractors Pollution Liability insurance policy.

If the scope of services as defined in this contract includes the disposal of any hazardous materials from the job site, the Contractor must furnish to the City evidence of Pollution Liability insurance maintained by the disposal site operator for losses arising from the insured facility accepting waste under this contract.

Coverage certified to the City under this paragraph must be maintained in minimum amounts of $1,000,000 per loss, with an annual aggregate of at least $1,000,000.

Pollution Liability coverage at least as broad as that provided under ISO Pollution Liability-Broadened Coverage for Covered Autos Endorsement CA 99 48 shall be provided, and the Motor Carrier Act Endorsement (MCS 90) shall be attached.

D. **Minimum Amounts of Insurance.**
The Contractor shall maintain the following insurance limits:

1. Automobile Liability insurance with a minimum combined single limit for bodily injury and property damage of $1,000,000 per accident.

2. Commercial General Liability insurance shall be written with limits no less than $3,000,000 each occurrence, $3,000,000 general aggregate and a $2,000,000 products-completed operations aggregate limit.

3. **x** Required. Builders Risk insurance shall be written in the amount of the completed value of the project with no coinsurance provisions.

4. ☐ Required. Contractors Pollution Liability shall be written in the amounts set forth above.

E. **City Full Availability of Contractor Limits**
If the Contractor maintains higher insurance limits than the minimums shown above, the City shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this contract or whether any certificate of insurance furnished to the City evidences limits of liability lower than those maintained by the Contractor.

F. **Other Insurance Provisions.**
The Contractor's Automobile Liability, Commercial General Liability, and Builders Risk insurance policies shall be primary insurance with respect to the City. Any insurance, self-insurance, or insurance pool coverage maintained by the City shall be in excess of the Contractor's insurance and shall not contribute with it.

G. **Acceptability of Insurers.**
Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.

H. **Verification of Coverage.**
The Contractor shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the Automobile Liability and Commercial General Liability insurance of the Contractor before commencement of the work. Before any exposure to loss may occur, the Contractor shall file with the City a copy of the Builders Risk insurance policy that includes all applicable conditions, exclusions, definitions, terms, and endorsements

related to this project. Throughout the term of this Contract, upon request by the City , the Contractor shall furnish certified copies of all required insurance policies, including endorsements, required in this contract and evidence of all subcontractors' coverage.

x Required. Before any exposure to loss may occur, the Contractor shall file with the City a copy of the Builders Risk insurance policy that includes all applicable conditions, exclusions, definitions, terms and endorsements related to this Project.

☐ Required. Before any exposure to loss may occur, the Contractor shall file with the City a copy of the Pollution Liability insurance that includes all applicable conditions, exclusions, definitions, terms and endorsements related to this Project.

I. **Contractor's Insurance for Other Losses**.
The Contractor shall assume full responsibility for all loss or damage from any cause whatsoever to any tools, Contractor's employee owned tools, machinery, equipment, or motor vehicles owned or rented by the Contractor, or the Contractor's agents, suppliers or subcontractors as well as to any temporary structures, scaffolding and protective fences.

J. **Subcontractors.**
The Contractor shall include all subcontractors as insured under its policies or shall furnish separate certifications and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the same insurance requirements as stated herein for the Contractor.

The Contractor shall cause each and every Subcontractor to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by Subcontractors. The Contractor shall ensure that the City is an additional insured on each and every Subcontractor's Commercial General liability insurance policy using an endorsement at least as broad as ISO Additional Insured endorsement CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations..

K. **Waiver of Subrogation.**
The Contractor and the City waive all rights against each other, any of their subcontractors, sub-subcontractors or lower tier subcontractors, agents and employees, each of the other, for damages caused by fire or other perils to the extent covered by Builders Risk insurance or other property insurance obtained pursuant to the Insurance Requirements Section of this Contract or other property insurance applicable to the work. The policies shall provide such waivers by endorsement or otherwise.

L. **Notice of Cancellation of Insurance.**
The Contractor shall provide the City and all Additional Insureds for this work with written notice of any policy cancellation within two business days of their receipt of such notice.

M. **Failure to Maintain Insurance**
Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the City 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 City on demand, or at the sole discretion of the City, offset against funds due the Contractor from the City.

8. Compliance with Laws.

A. The Contractor shall comply with all applicable federal, state, and local laws, including regulations for licensing, certification, and operation of facilities and programs, and accreditation and licensing of individuals, and any other standards or criteria as set forth in the Project Manual.

B. The Contractor shall pay any applicable business and permit fees and taxes which may be required for the performance of the work.

C. The Contractor shall comply with all legal and permitting requirements as set forth in the Project Manual.

9. Non-discrimination.

During the performance of this Contract, the Contractor shall comply with all applicable equal opportunity laws and/or regulations and shall not discriminate on the basis of race, age, color, sex, sexual orientation, religion, national origin, creed, veteran status, marital status, political affiliation, or the presence of any sensory, mental or physical handicap. This provision shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, selection for training, and the provision of work and services under this Contract. The Contractor further agrees to maintain notices, posted in conspicuous places, setting forth the provisions of this nondiscrimination clause. The Contractor understands that violation of this provision shall be cause for immediate termination of this Contract and the Contractor may be barred from performing any services or work for the City in the future unless the Contractor demonstrates to the satisfaction of the City that discriminatory practices have been eliminated and that recurrence of such discriminatory practices is unlikely.

A. The parties will maintain open hiring and employment practices and will welcome applications for employment in all positions from qualified individuals who are members of the above-stated minorities.

B. The parties will comply strictly with all requirements of applicable federal, state or local laws or regulations issued pursuant thereto, relating to the establishment of nondiscriminatory requirements in hiring and employment practices and assuring the service of all patrons and customers without discrimination with respect to the above-stated minority status.

10. Assignment and Subcontractors.

A. The Contractor shall not assign this Contract or any interest herein, nor any money due to or to become due hereunder, without first obtaining the written consent of the City.

B. The Contractor shall not subcontract any part of the services to be performed hereunder without first obtaining the consent of the City and complying with the

provisions of this section.

C. In the event the Contractor does assign this contract or employ any subcontractor, the Contractor agrees to bind in writing every assignee and subcontractor to the applicable terms and conditions of the contract documents.

D. The Contractor shall, before commencing any work, notify the Owner in writing of the names of any proposed subcontractors. The Contractor shall not employ any subcontractor or other person or organization (including those who are to furnish the principal items or materials or equipment), whether initially or as a substitute, against whom the Owner may have reasonable objection. Each subcontractor or other person or organization shall be identified in writing to the Owner by the Contractor prior to the date this Contract is signed by the Contractor. Acceptance of any subcontractor or assignee by the Owner shall not constitute a waiver of any right of the Owner to reject defective work or work not in conformance with the contract documents. If the Owner, at any time, has reasonable objection to a subcontractor or assignee, the Contractor shall submit an acceptable substitute.

E. The Contractor shall be fully responsible for all acts and omissions of its assignees, subcontractors and of persons and organization directly or indirectly employed by it and of persons and organizations for whose acts any of them may be liable to the same extent that it is responsible for the acts and omissions of person directly employed by it.

F. The divisions and sections of the specifications and the identifications of any drawings shall not control the Contractor in dividing the work among subcontractors or delineating the work to be performed by any specific trade.

G. Nothing contained in the contract documents shall create or be construed to create any relationship, contractual or otherwise, between the Owner and any subcontractor or assignee. Nothing in the contract documents shall create any obligation on the part of the Owner to pay or to assure payment of any monies due any subcontractor or assignee.

H. The Contractor hereby assigns to the City any and all claims for overcharges resulting from antitrust violations as to goods and materials purchased in connection with this Contract, except as to overcharges resulting from antitrust violations commencing after the date of the bid or other event establishing the price of this Contract. In addition, the Contractor warrants and represents that each of its suppliers and subcontractors shall assign any and all such claims for overcharges to the City in accordance with the terms of this provision. The Contractor further agrees to give the City immediate notice of the existence of any such claim.

I. In addition to all other obligations of the contractor, if the contractor does employ any approved subcontractor, the contractor shall supply to every approved subcontractor a copy of the form, provided in the project manual, to establish written proof that each subcontract and lower-tier subcontract is a written

document and contains, as a part, the current prevailing wage rates. The contractor, each approved subcontractor and each approved lower-tier subcontractor shall complete and deliver the form directly to the City.

11. Contract Administration and Notices.

This Contract shall be administered for the City by Kevin Hushagen, Public Works Director, and shall be administered for the Contractor by the Contractor's Contract Representative, Insert Name of Contractor Representative. Unless stated otherwise herein, all notices and demands shall be in writing and sent or hand-delivered to the parties at their addresses as follows:

To City:	To Contractor:
Kevin Hushagen, PW Director	Name and Title of Binding Officer
City of Stanwood	Contractor Business Name
10220 270th Street NW	Street Address
Stanwood, WA 98292	City, State ZIP
360-629-9782	Telephone Number

or to such addresses as the parties may hereafter designate in writing. Notices and/or demands shall be sent by registered or certified mail, postage prepaid, or hand-delivered. Such notices shall be deemed effective when mailed or hand-delivered at the addresses specified above.

12. Interpretation and Venue. This Contract shall be interpreted and construed in accordance with the laws of the State of Washington. The venue of any litigation between the parties regarding this Contract shall be Snohomish County, Washington.

13. Severability

A. If a court of competent jurisdiction holds any part, term or provision of this Contract to be illegal or invalid, in whole or in part, the validity of the remaining provisions shall not be affected, and the parties' rights and obligations shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

B. If any provision of this Contract is in direct conflict with any statutory provision of the State of Washington, that provision which may conflict shall be deemed inoperative and null and void insofar as it may conflict, and shall be deemed modified to conform to such statutory provision.

14. Non-Waiver.

A waiver by either party hereto of a breach of the other party hereto of any covenant or condition of this Contract shall not impair the right of the party not in default to avail itself of any subsequent breach thereof. Leniency, delay or failure of either party to insist upon strict performance of any Contract, covenant or condition of this Contract, or to exercise any right herein given in any one or more instances, shall not be construed as a waiver or relinquishment of any such Contract, covenant, condition or right.

15. Survival.

Any provision of this Contract which imposes an obligation after termination or expiration of this Contract shall survive the term or expiration of this Contract and shall be binding on the parties to this Contract.

16. Authority.

The person executing this Agreement on behalf of Contractor represents and warrants that he or she has been fully authorized by Contractor to execute this Agreement on its behalf and to legally bind Contractor to all the terms, performances and provisions of this Agreement. The person executing this Contractor on behalf of the City represents and warrants that he or she has been fully authorized by the City to execute this Contractor on its behalf and to legally bind the City to all the terms, performances and provisions of this Contractor.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed the day and year first set forth above.

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

CITY OF STANWOOD

By_____
Sid Roberts, Mayor

Approved as to form:

_____
Nikki Thompson, City Attorney

_____

By _____
name, title

Attest:

_____
Lisa Sokolik, City Clerk

PERFORMANCE and PAYMENT BOND

Bond to the City of Stanwood Bond # _____

KNOW ALL MEN BY THESE PRESENTS:
That we, the undersigned, _____ as Principal, and_____ _____a corporation, organized and existing under the laws of the State of Washington, as a surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations as surety, are jointly and severally held and firmly bound to the **City of Stanwood** 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 pursuant to the statutes of the State of Washington and the ordinances of the City of Stanwood.

Dated at _____, Washington, this ____ day of _____, 20___.

The conditions of the above obligation are such that:

WHEREAS, the City of Stanwood has let or is about to let to the said_____ _____ the above bounded Principal, a certain contract, the said contract being numbered _____, and providing for ***272nd St NW / 72nd Ave NW Sidewalk Improvements*** (which contract is referred to herein and is made a part hereof as though attached hereto), and

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

If the said Principal,_____, shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth, or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and materialmen, and all persons who shall supply said Principal or subcontractors with provisions and supplies for the carrying on of said work, and shall indemnify and hold the City of Stanwood harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract within a period of one year after its acceptance thereof by the City of Stanwood, then and in that event, this obligation shall be void; but otherwise, it shall be and remain in full force and effect.

Signed this ____ day of _____, 20___.

_____ Surety	_____ Principal
By_____	By_____
_____ Title	_____ Title
_____ Surety Address	_____ Agent Address
_____ Surety Contact and Phone Number	_____ Agent Contact and Phone Number

ESCROW AGREEMENT for RETAINED PERCENTAGE

272nd St NW / 72nd Ave NW Sidewalk Improvements, Project ***X***

Escrow No.: _____

City of Stanwood Contract No. _____

Completion Date: _____

TO:

THIS ESCROW AGREEMENT is for the investment of the retained percentage of the above contract, in accordance with chapter 60.28 of the Revised Code of Washington. It is limited to FDIC insured Washington State Chartered Banks who are covered by the State of Washington Public Deposit Protection Act.

The undersigned,_____, (as "Contractor"), has directed the CITY OF STANWOOD (as "City"), to deliver to you its warrants which shall be payable to you and/or the contractor. The warrants are to be held and disposed of by you in accordance with the following instruction:

INSTRUCTIONS

1. Upon delivery the warrants shall be endorsed by you and forwarded to the City for collection. You shall use the monies to purchase investments selected by the Contractor and approved by the City. You may follow the last written direction received by you from the Contractor, for each purchase, provided the direction otherwise conforms with this agreement. Acceptable investments are:
   A. Bills, certificates, notes or bonds of the United States;
   B. Other obligations of the United States or its agencies;
   C. Obligations of any corporation wholly owned by the Government of the United States;
   D. Indebtedness of the Federal National Mortgage Association;
   E. Time deposits in commercial banks;
   F. Other investments, except stocks, selected by the Contractor, subject to express prior written consent of the City.
2. The investments shall be in a form which allows you alone to reconvert them into money if you are required to do so by the City.
3. The investments must mature on or prior to the date set for the completion of the contract, including extension there of or thirty (30) days following the final acceptance of the work.
4. When interest on the investments accrues and is paid, you shall collect the interest and forward it to the Contractor unless otherwise directed by the Contractor.
5. You are not authorized to deliver to the Contractor all or any part of the investments held by you pursuant to this agreement (or any monies derived from the sale of such investments, or the negotiation of the City's warrants) **except** in accordance with the written instructions from the City. Compliance with such instructions shall relieve you of any further liability related thereto.
6. In the event the City orders you, in writing, to reconvert the investments and return all monies, you shall do so within thirty (30) days of receipt of the order.
7. The Contractor agrees to compensate you for your services in accordance with your current published schedule of applicable escrow fees. Payment of all fees shall be the sole responsibility of the Contractor and shall not be deducted from any monies placed with you pursuant to this agreement until and unless the City directs the release to the Contractor of the investments and monies held hereunder, whereupon you shall be entitled to reimburse yourself from such monies for the entire amount of your fee.
8. This agreement shall not be binding until signed by both parties and accepted by you.
9. This document contains the entire agreement between you, the Contractor, and the City, 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.

CONTRACTOR

Federal Tax I.D. No. _____

By: _____

Title: _____

Address: _____

_____

DATE: _____

CITY OF STANWOOD

By: _____

Title: _____

DATE: _____

THE ABOVE ESCROW AGREEMENT RECEIVED AND ACCEPTED on the _____ day of _____ 20 .

BANK

By: _____

Title: _____

Address: _____

_____

DISTRIBUTION:
City Clerk
Financial Institution
Contractor
File Copy

PART III

STANDARD SPECIFICATIONS

STANDARD SPECIFICATIONS

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2025 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

The current version of the WSDOT Standard Specifications for Road, Bridge, and Municipal construction can be found here:

http://www.wsdot.wa.gov/Business/Construction/SpecificationsAmendmentsGSPs.htm

The Standard specifications are modified by the special provisions to the General Requirements (Division 1), presented herein and the Standard Specifications and details contained in the contract plans. Section and subsection numbers of the special provisions refer to corresponding section and subsection numbers of the Standard Specifications.

SPECIAL PROVISIONS

SPECIAL PROVISIONS SECTION
For
City of Stanwood
272nd Street and 72nd Street Sidewalk Project

February 10, 2026

INTRODUCTION TO THE SPECIAL PROVISIONS

(January 4, 2024 APWA GSP, Option A)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2026 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

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

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

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)
(COS GSP) City of Stanwood GSP

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

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT Manual M21-01, current edition
- *City of Stanwood Street and Utility Standards*, City of Stanwood Public Works Department, current edition
- *City of Stanwood Municipal Code (Current Web Edition)*
- *Public Right-of-Way Accessibility Guidelines, August 8, 2023*

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

2026 WSDOT Standard Specifications and General Specifications reorganized Division 2, Division 3 and Division 4 as known frrm prior years.

2026 Division 2 is now Temporary Features and contains elements from 2025 1-10, and Mobilization, Public Convenience and Safety, and Temporary Features (Temporary Traffic Control).

2025 and prior Division-2 Earthwork is now 2026 Division 3

Division 1
General Requirements

DESCRIPTION OF WORK

(March 13, 1995 WSDOT GSP)

This Contract provides for the improvement of *** Curb, gutter, planter strip and sidewalk with storm drainage and treatment along 272nd St NW from 78th Ave NW east to 72nd Ave NW and then north along the west side of 72nd Ave NW to end of the current sidewalk south of Tyler Pl NW and along the north side of 272nd St NW from the end of the existing sidewalk opposite 78th Ave NW east to the west entrance of the parking lot of the Bob Larson Stadium. The project also includes 12" C900 water main connecting existing system on 72nd to existing system on 272nd. *** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-01 Definition and Terms

1-01.3 Definitions

(January 19, 2022 APWA GSP)

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

Dates

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

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

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

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

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

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

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

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

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

Supplement this Section with the following:

All references in the Standard Specifications or WSDOT General Special Provisions, to the terms "Department of Transportation", "Washington State Transportation Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

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

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

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

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

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

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

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

Contract Documents
See definition for "Contract".

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

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.

(COS GSP)

This section is supplemented with the following:

Bidders shall complete and sign the **Bidder's Construction Experience** form contained in the Proposal. Said form must be submitted with the bid proposal.

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.

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

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	2	Furnished automatically upon award.
Contract Provisions	2	Furnished automatically upon award.

Large plans (e.g., 22" x 34")	2	Furnished only upon request.

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

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

1-02.4(1) General

(December 30, 2022 APWA GSP Option A)

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

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

(COS GSP)

This section is supplemented with the following:

> The Contractor shall verify the locations and elevations of existing pipelines, structures, grades, and utilities prior to construction. The Contractor acknowledges that he has satisfied himself as to the nature and location of the work and the general and local conditions, including, but not limited to those bearing upon transportation, disposal, handling groundwater, access to the sites, and conflicts with pipelines and structures. The Owner assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information made available.
>
> The Contractor shall be responsible for any breakage of the utilities or services resulting from his operations, and shall indemnify, defend and hold the Owner and its agents harmless from any claim resulting from disruption of or damage to same.

1-02.5 Proposal Forms

(November 25, 2024 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 DBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be in legible figures (not words) written in ink or typed and expressed in U.S. dollars. 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

(*April 22, 2025 APWA GSP, Option B)*

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

All prices shall be in legible figures (not words) written in ink or typed, and expressed in U.S. dollars.

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.

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

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

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

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

A bid by a partnership shall be executed in the partnership name and signed by a partner.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture.

Subcontractor's List

(June 11, 2025 APWA GSP 1-02.6, Option C)

The fourth paragraph of Section 1-02.6 is revised to read:

The Bidder shall submit with the Bid the completed Subcontractor List included in the Contracting Agency Proposal Package. If a Subcontractor List Form is not included in the package, use DOT Form 271-015LP. The Form shall contain the following:

1. Subcontractors who will perform the work of structural steel installation, rebar installation, heating, ventilation, air conditioning, and plumbing as described in RCW 18.106 and electrical as described in RCW 19.28,

2. The Work those subcontractors will perform on the Contract and the proof of license when required as described in RCW 39.30.060; and

3. No more than one subcontractor for each category of work identified, except, when subcontractors vary with Bid alternates, in which case the Bidder shall identify which subcontractor will be used for which alternate.

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.

1-02.8 Noncollusion Declaration and Lobbying Certification

(COS GSP)

Supplement this section with the following:

A copy of the Noncollusion Affidavit shall be submitted with the Bidder's proposal. A copy of the required Affidavit is provided in the bid forms included with the Call for Bids (Advertisement for Bids) for this work.

1-02.12 Public Opening of Proposals

(COS GSP)

Section 1-02.12 is supplemented with the following:

Date of Opening of Bids

Sealed Bids are to be received at the bid opening location prior to the time specified in the Call for Bids (Advertisement for Bids). The bid opening location, date, and time for this project is found in the Call for Bids for this work.

1-02.13 Irregular Proposals

(November 21, 2025 APWA GSP) updated

Delete this section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:
   a. The Bidder is not prequalified when so required;
   b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
   c. A price per unit cannot be determined from the Bid Proposal;
   d. The Proposal form is not properly executed;
   e. The Bidder fails to submit or properly complete a subcontractor list as required in Section 1-02.6;
   f. The Bidder fails to submit the Bidder Questionnaire, if applicable, as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
   g. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
   c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
   d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
   e. Receipt of Addenda is not acknowledged;
   f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
   g. If Proposal form entries are not made in ink.

(COS GSP)

Supplement this section with the following:

The City specifically reserves the right to reject any and/or all Bids, and to waive minor informalities.

1-02.14 Disqualification of Bidders

(May 17, 2018 APWA GSP, Option B)

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; or does not meet Supplemental Criteria 1-7 listed in this Section.

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that

the Bidder meets Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.

1. **Delinquent State Taxes**

A Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder does not owe delinquent taxes to the Washington State Department of Revenue, or if delinquent taxes are owed to the Washington State Department of Revenue, the Bidder must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

2. **Federal Debarment**

A Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.

B. Documentation: The Bidder shall not be listed as having an "active exclusion" on the U.S. government's "System for Award Management" database (www.sam.gov).

3. **Subcontractor Responsibility**

A Criterion: The Bidder's standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder's subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also "responsible" subcontractors as defined by RCW 39.06.020.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Claims Against Retainage and Bonds**

A Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, 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 Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:

- Name of project
- The owner and contact information for the owner;
- A list of claims filed against the retainage and/or payment bond for any of the projects listed;
- A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

5. **Public Bidding Crime**

A Criterion: The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/or its owners have not been convicted of a crime involving bidding on a public works contract.

6. **Termination for Cause / Termination for Default**

A Criterion: The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances. .

7. **Lawsuits**

A Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to 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 Contracting Agency

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The

Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related contracts

As evidence that the Bidder meets the Supplemental Criteria stated above, the apparent low Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets the supplemental criteria together with supporting documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with the Supplemental Criteria. The Contracting Agency reserves the right to request further documentation as needed from the low Bidder and documentation from other Bidders as well to assess Bidder responsibility and compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right to obtain information from third-parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may consider mitigating factors in determining whether the Bidder complies with the requirements of the supplemental criteria.

The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above 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.

Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

1-02.15 Pre Award Information

*(*September *2, 2025 WSDOT 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. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

(COS GSP)

7. Obtain, and furnish a copy of, a business license to do business in the City of Stanwood.

1-03 Award and Execution of Contract

1-03.1 Consideration of Bids

(December 30, 2022 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

(COS GSP)

Section 1-03.2 is supplemented with the following:

The award of contract will be made to the lowest bidder including sales tax deemed responsive and responsible by the City for the bid schedule and whose bid conforms to the requirements of these specifications, and whose past record of performance on work of similar complexity and magnitude indicates that said bidder is qualified to carry out the obligations of the contract and to complete the work contemplated therein. The contracting agency reserves the right to award all work bid according to the lowest qualified responsive and responsible bid tendered, available funds, and as it best serves the interest of the contracting agency.

1-03.3 Execution of Contract

(July 8, 2024 APWA GSP Option A)

Revise this section to read:

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

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

Within 10 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage

form for the Construction Stormwater General Permit with sections I, III, and VIII completed when provided. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

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

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

1-03.4 Contract Bond

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

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

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

1-03.7 Judicial Review

(December 30, 2022 APWA GSP)

Revise this section to read:

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

1-04 Scope of the Work

1-04.1 Intent of the Contract

(COS GSP)

Section 1-04.1 is supplemented with the following:

All materials, tools, labor, and guarantees thereof required to complete the work shall be furnished and supplied in accordance with the Plans, these Special Provisions, the Standard Specifications, and City of Stanwood Standard Details. The Contractor shall include all costs of doing this work within the contract bid item prices.

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

(December 30, 2022 APWA GSP)

Revise the second paragraph to read:

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

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

1-04.4 Changes

(January 19, 2022 APWA GSP)

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

1-04.4(1) Minor Changes

(May 30, 2019 APWA GSP)

Delete the first paragraph and replace it with the following:

Payments or credits for changes amounting to $15,000 or less may be made under the Bid item "Minor Change". At the discretion of the Contracting Agency, this procedure for Minor Changes may be used in lieu of the more formal procedure as outlined in Section 1-04.4, Changes. All "Minor Change" work will be within the scope of the Contract Work and will not change Contract Time.

1-04.6 Variation in Estimated Quantities

(December 30, 2022 APWA GSP Option B)

Revise the first paragraph to read:

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 the 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:

1-04.11 Final Cleanup

(COS GSP)

Section 1-04.11 is deleted in its entirety and replaced with the following:

From time to time or as may be ordered by the Engineer, the Contractor shall cleanup and remove debris, refuse, and discarded materials of any kind resulting from the Work. Failure to do so may result in cleanup done by the Owner and the cost thereof charged to the Contractor and deducted from the Contractor's progress estimate.

The Contractor shall perform final cleanup as provided in this Section. The Engineer will not establish the Physical Completion Date until this is done. All public and private property the Contractor occupied to do the Work, including but not limited to the Street Right of Way, material sites, borrow and waste sites, and construction staging area shall be left neat and presentable. Immediately after completion of the Work, the Contractor shall cleanup and remove all refuse and unused materials of any kind resulting from the Work. Failure to do the final cleanup may result in the final cleanup being done by the Owner and the cost thereof charged to the Contractor and deducted from the Contractor's final progress estimate.

The Contractor shall:

1. Remove all rubbish, surplus materials, discarded materials, falsework, piling, camp buildings, temporary structures, equipment, and debris;
2. Remove from the Project, all unneeded, oversized rock left from grading, surfacing, or paving unless the Contract specifies otherwise, or the Engineer approves otherwise;

3. On all concrete and asphalt pavement work, flush the pavement clean and remove the wash water and debris;
4. Sweep and flush structure decks and remove wash water and debris;
5. Clean out from all open culverts and drains, inlets, catch basins, manholes and water main valve chambers, within the limits of the Project Site, all dirt and debris of any kind that is the result of the Contractor's operations;
6. Level and fine grade all excavated material not used for backfill where the Contract requires;
7. Fine grade all slopes;
8. Upon completion of grading and cleanup operations at any privately-owned site for which a written agreement between the Contractor and property owner is required, the Contractor shall obtain and furnish to the Engineer a written release from all damages, duly executed by the property owner, stating that the restoration of the property has been satisfactorily accomplished.

All costs associated with cleanup shall be incidental to the Work and shall be included in the various Bid items in the Bid, and shall be at no additional cost to the Owner.

1-05 Control of Work

1-05.4 Conformity With And Deviations From Plans And Stakes

Section 1-05.4 is supplemented with the following:

(January 13, 2021 WSDOT GSP)

Contractor Surveying - Roadway

The Contracting Agency has provided primary survey control in the Plans.

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

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

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

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

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

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.

2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.

3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.

4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor

5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.

6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.

7. Establish intermediate elevation benchmarks as needed to check work throughout the project.

8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.

9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

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

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

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

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

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

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

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

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

Payment

Payment will be made for the following bid item when included in the proposal:

"Roadway Surveying", lump sum.

The lump sum contract price for "Roadway Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

1-05.4 Conformity With and Deviations from Plans and Stakes

(April 22, 2025 APWA GSP, Option D)

Supplement this section with the following:

Contractor Surveying – ADA Features

ADA Feature Staking Requirements

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, and grades necessary for the construction of the ADA features. Calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility. The Contractor shall build the ADA features within the specifications in the Standard Plans and contract documents.

ADA Feature Contract Compliance

The Contractor shall be responsible for completing measurements to verify all ADA features comply with the Contract in the presence of the Engineer.

ADA Feature Measurements

The Contractor shall be responsible for providing the latitude and longitude of each ADA feature as indicated on the ADA Post Inspection Form(s) (WSDOT Form 224-020LP).

The completed ADA Post Inspection Form(s) (WSDOT Form 224-020LP) shall be submitted as a Type 3 Working Drawing and transmitted to the Engineer within 30 calendar days of completing the ADA feature. After acceptance, the Contracting Agency will retain the final form(s) for their records.

Payment

Payment will be made for the following bid item that is included in the Proposal:

"ADA Feature Surveying", lump sum.

The lump sum Contract price for "ADA Feature Surveying" shall be full pay for all the Work as specified.

In the instance where an ADA feature does not meet accessibility requirements, all work to replace non-compliant work and then to measure, record the measurements, and transmit the electronic forms to the Engineer shall be completed at no additional cost to the Contracting Agency.

(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.

1-05.9 Equipment

(COS GSP)

The following new paragraph is inserted between the second and third paragraphs:

Use of equipment with metal tracks will not be permitted on concrete or asphalt surfaces unless otherwise authorized by the Engineer.

1-05.10 Guarantees

(COS GSP)

Section 1-05.10 is supplemented as follows:

Guarantees and maintenance bonds shall be in accordance with City of Stanwood, State of Washington, Public Works Performance and Payment Bond forms and requirements. The performance bond shall be in the full amount of contract. The Contractor guarantees all items of material, equipment, and workmanship against mechanical, structural, or other defects for which the Contractor is responsible that may develop or become evident within a period of one year from and after acceptance of the work by the Owner. This guarantee shall be understood to require prompt remedy of defects upon written notification to the Contractor. If the Owner determines the defect requires immediate repair, the Owner may, without further notice to the Contractor, make the necessary corrections, the cost of which shall be borne by the Contractor. To support the above guarantee, the Contractor's

performance bond shall remain in full force and effect for one year following the acceptance of the project by the Owner.

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.

1-05.12 Final Acceptance

Add the following new section:

1-05.12(1) One-Year Guarantee Period

(March 8, 2013 APWA GSP)

The Contractor shall return to the project and repair or replace all defects in workmanship and material discovered within one year after Final Acceptance of the Work. The Contractor shall start work to remedy any such defects within 7 calendar days of receiving Contracting Agency's written notice of a defect, and shall complete such work within the time stated in the Contracting Agency's notice. In case of an emergency, where damage may result from delay or where loss of services may result, such corrections may be made by the Contracting Agency's own forces or another contractor, in which case the cost of corrections shall be paid by the Contractor. In the

event the Contractor does not accomplish corrections within the time specified, the work will be otherwise accomplished and the cost of same shall be paid by the Contractor.

When corrections of defects are made, the Contractor shall then be responsible for correcting all defects in workmanship and materials in the corrected work for one year after acceptance of the corrections by Contracting Agency.

This guarantee is supplemental to and does not limit or affect the requirements that the Contractor's work comply with the requirements of the Contract or any other legal rights or remedies of the Contracting Agency.

1-05.13 Superintendents, Labor and Equipment of Contractor
(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices
(January 4, 2024 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be served and directed to the Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be written in paper format, hand delivered or sent via certified mail delivery service with return receipt requested to the Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

Add the following new section:

1-05.16 Water and Power
(October 1, 2005 APWA GSP)

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

Add the following new section:

1-05.18 Record Drawings
(March 8, 2013 APWA GSP)

The Contractor shall maintain one set of full size plans for Record Drawings, updated with clear and accurate red-lined field revisions on a daily basis, and within 2 business days after receipt of information that a change in Work has occurred. The Contractor shall not conceal any work until the required information is recorded.

This Record Drawing set shall be used for this purpose alone, shall be kept separate from other Plan sheets, and shall be clearly marked as Record Drawings. These Record Drawings shall be kept on site at the Contractor's field office, and shall be available for review by the Contracting Agency at all times. The Contractor shall bring the Record Drawings to each progress meeting for review.

The preparation and upkeep of the Record Drawings is to be the assigned responsibility of a single, experienced, and qualified individual. The quality of the Record Drawings, in terms of accuracy, clarity, and completeness, is to be adequate to allow the Contracting Agency to modify the computer-aided drafting (CAD) Contract Drawings to produce a complete set of Record Drawings for the Contracting Agency without further investigative effort by the Contracting Agency.

The Record Drawing markups shall document all changes in the Work, both concealed and visible. Items that must be shown on the markups include but are not limited to:

- Actual dimensions, arrangement, and materials used when different than shown in the Plans.
- Changes made by Change Order or Field Order.
- Changes made by the Contractor.
- Accurate locations of storm sewer, sanitary sewer, water mains and other water appurtenances, structures, conduits, light standards, vaults, width of roadways, sidewalks, landscaping areas, building footprints, channelization and pavement markings, etc. Include pipe invert elevations, top of castings (manholes, inlets, etc.).

If the Contract calls for the Contracting Agency to do all surveying and staking, the Contracting Agency will provide the elevations at the tolerances the Contracting Agency requires for the Record Drawings.

When the Contract calls for the Contractor to do the surveying/staking, the applicable tolerance limits include, but are not limited to the following:

	Vertical	Horizontal
As-built sanitary & storm invert and grate elevations	± 0.01 foot	± 0.01 foot
As-built monumentation	± 0.001 foot	± 0.001 foot
As-built waterlines, inverts, valves, hydrants	± 0.10 foot	± 0.10 foot
As-built ponds/swales/water features	± 0.10 foot	± 0.10 foot
As-built buildings (fin. Floor elev.)	± 0.01 foot	± 0.10 foot
As-built gas lines, power, TV, Tel, Com	± 0.10 foot	± 0.10 foot
As-built signs, signals, etc.	N/A	± 0.10 foot

Making Entries on the Record Drawings:

- Use erasable colored pencil (not ink) for all markings on the Record Drawings, conforming to the following color code:
- Additions - Red
- Deletions - Green

- Comments - Blue
- Dimensions- Graphite
- Provide the applicable reference for all entries, such as the change order number, the request for information (RFI) number, or the approved shop drawing number.
- Date all entries.
- Clearly identify all items in the entry with notes similar to those in the Contract Drawings (such as pipe symbols, centerline elevations, materials, pipe joint abbreviations, etc.).

The Contractor shall certify on the Record Drawings that said drawings are an accurate depiction of built conditions, and in conformance with the requirements detailed above. The Contractor shall submit final Record Drawings to the Contracting Agency. Contracting Agency acceptance of the Record Drawings is one of the requirements for achieving Physical Completion.

Payment will be made for the following bid item:

Record Drawings (Minimum Bid $1,000)	Lump Sum

Payment for this item will be made on a prorated monthly basis for work completed in accordance with this section up to 75% of the lump sum bid. The final 25% of the lump sum item will be paid upon submittal and approval of the completed Record Drawings set prepared in conformance with these Special Provisions.

A minimum bid amount has been entered in the Bid Proposal for this item. The Contractor must bid at least that amount.

1-06 Control of Material

1-06.1 Approval of Materials Prior to Use

(COS GSP)

Section 1-06.1 is supplemented with the following:

Approval of a Material source shall not mean acceptance of the Material. The Material shall meet the requirements of the Contract.

1-06.2 Acceptance of Materials

1-06.2(1) Samples and Tests for Acceptance

(*COS GSP)*

Supplement this Section with the following:

1-06.2(1)A General

The work specified in this Section includes the control tests, test sample collection, required field-testing, and special inspections as specified herein, and indicated on the Plans.

All testing as required by this Section shall be paid for by the Contractor. All costs to prepare and implement the sample and testing program shall be included in the bid prices for the various items associated with the sampling and testing program.

Retesting and reinspection required because of defective work and testing performed for the convenience of the Contractor shall also be paid for by the Contractor.

Testing requirements shall not be cause for claims of delay by the Contractor and all expenses accruing there from shall be deemed incidental to the performance of the Contract. The Contractor shall be responsible for all material testing specified in the Contract Documents and any applicable permits and codes. The materials testing laboratory shall be accredited for performing the various testing methods either by AASHTO R18, AASHTO, 150/IEC 17025 or the American Association for Laboratory Accreditation and further approved by the City. The materials testing laboratory shall send test results directly to the Engineer.

1-06.2(1)B Test Methods

Earthwork and Materials

Compaction Control

Optimum moisture content and maximum density tests shall be determined by the following method:

ASTM D1557 – Laboratory Compaction Characteristics of Soil Using Modified Effort

In-Place Tests

In-place density and moisture content tests shall be made by an independent testing laboratory according to the following messages:

ASTM D693 – Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth).

Aggregates

All aggregates shall be tested in accordance with applicable WSDOT test include:

Title	Test Method
Sampling	AASHTO T2
Sieve Analysis of Fine and Coarse Aggregates	104A
Material Finer than No. 200 Sieve Aggregates	102A
Percentage of Particles Smaller than 0.025 mm and 0.005 mm	603A
Organic Impurities	111A
Abrasion of Coarse Aggregates by Use of the Los Angeles Machine	101A
Sand Equivalent	109A

Cast-In-Place Concrete

Cast-in-place concrete shall be tested in accordance with applicable parts of Chapter 16 of ACI 301. Concrete reinforcement and concrete special instructions shall be performed in accordance with local Building Official and WABO requirements.

Hot Mix Asphalt

Paving asphalt shall be tested in accordance with the following WSDOT test methods:

Characteristics	Test Method
Tests on Residue from RTFC Procedure	208
Absolute Viscosity at 140 degrees F, poise	203
Kinematic Viscosity at 275 degrees F, cSt, min.	202
Penetration at 77 degrees F, 100g/5 sec., min.[1]	201
Percent of Original Penetration at 77 degrees F, min.	2
Ductibility at 45 degrees F, cm, min.	
Flashpoint, (Cleveland Open Cup), degrees F min. (test on original asphalt)	206
Solubility in Tricholoroethylene percent, min. (test on original asphalt)	214

[1] Original penetration, as well as penetration after KTFC loss shall be determined by AASHTO Test Method T 49.

Complete Extractive of Uncompacted Mix

Test Methods shall be in accordance with the following:

1. AASHTO T68
2. ASTM D2172
3. AASHTO T30

Density of Compacted Mix

Test method shall be in accordance with AASHTO T166.

1. The Contractor shall employ an independent testing laboratory approved by the City to conduct complete extraction tests on the uncompacted asphalt concrete pavement mix.
2. The Contractor shall provide the Engineer with an affidavit from the asphalt supplier of the characteristics of the paving asphalt. The paving asphalt shall be tested in accordance with WSDOT Construction Manual and Standard Specifications, latest editions.

1-06.2(1)C Sampling and Testing Frequency

The Contractor shall provide the following quality control tests at the number and frequency described herein. On-site testing technicians and testing laboratories shall be WABO-certified. The precise location of the tests shall be designated by the Engineer. The Contractor shall cooperate with laboratory personnel employed to conduct the density testing, sampling of material(s), and special inspections. The Contractor shall provide safe access within the work site for laboratory personnel such that density testing and visual inspection can be performed. The Contractor shall provide samples of materials to be tested in the quantities required and herein specified to the appropriate laboratory personnel. The Contractor shall furnish all labor, equipment, tools, and materials necessary to obtain and deliver samples as herein designated. The Contractor shall also provide and repair any test holes required in order to facilitate the testing and sampling and to provide for the testing laboratory's exclusive use for storage and curing of test samples until removed to the laboratory.

Any areas tested and further failing compliance with the Specifications shall be recompacted and retested at the Contractor's expense, until a successful density test indicating compliance with these Specifications has been achieved.

Soil Testing

The following soil quality control tests shall be completed at the given frequency:

Material	Test	Minimum Sampling & Testing Frequency
Backfill for foundations, walls, trenches and roads	Gradation[1]	One for each type of fill material with quantities exceeding 25 cy.
	In-Place Density[2, 3, 4]	One every 250 cy or one per day for each type of soil or fill material with quantities exceeding 25 cy. For trenches, one per day and one every 250 feet of trench.
	Moisture-Density Relationship[3]	One prior to start of backfilling operation, one every 20 densities and any time material type changes.
Pipe Bedding	Gradation[1]	One – Certification may be substituted for WSDOT-approved stackpiles.
Subgrade and Fills	In-Place Density[2, 3]	One every 250 cy of each type material.
	Moisture-Density Relationship	One for every 20 densities for each material
	Gradation	One for every moisture-density

[1] All acceptance tests shall be conducted from in-place samples.
[2] Additional tests shall be conducted when variations occur due to the Contractors, operations, weather conditions, site conditions, etc.
[3] The nuclear densometer, if properly calibrated, may be used but only to supplement the required testing frequency and procedures. The densometer shall be calibrated and is recommended for use when the time for complete results becomes critical.
[4] Depending on soil conditions, it is anticipated that compaction tests shall be required at depths of 2 feet above the pipe and at each additional 5 feet to the existing surface plus a test at the surface.

Hot Mix Asphalt

The following hot mix asphalt quality control tests shall be completed at the given frequency:

Material	Test	Minimum Sampling & Testing Frequency
Mix Design (By Contractor)	Submittal	Design Mix (include test results). Aggregate (each size) – 100 pounds. Asphalt – 1 gallon. Mineral Filler – 10 pounds
Asphalt (including prime and tack coat)	Sample and Tests	Submit material certifications with test results for each shipment or lot of asphalt.
Aggregates (from bins or source)	Gradation	Submit material certifications with test results for each shipment or lot of asphalt.

	Featured Faces	Same as gradation
	L.A. Abrasion	Same as gradation
	Specific Gravity	Same as gradation
Hot Mix Asphalt (including Asphalt Treated Base)	Marshall Method Test	One initial test during mix design and one per 3,000 tons thereafter.
	Specific Gravity	One per each Marshall test.
	Compaction	One per 50 Tons with not less than two per day.

Concrete

All testing shall conform to applicable portions of ACI. Special inspections of concrete and concrete reinforcement shall comply with WABO requirements.

All concrete must meet the specified requirements for minimum 28-day compressive strength.

All concrete cylinders shall be molded and tested for strength by an independent testing laboratory employed by the Contractor.

The Contractor shall furnish all concrete required for molding of the cylinders. In cases where cylinders are stored at the project site, the Contractor shall provide storage and protection for the cylinders in accordance with ACI requirements.

Concrete tests and testing frequency shall be in accordance with the more stringent of the testing requirements specified in Section 03300-3.17 of these Specifications, and the following table:

Material	Test	Minimum Sampling & Testing Frequency
Coarse Aggregate (for each grading size)[1]	Gradation	Submit material certifications with test results for each shipment or lot of asphalt.
	Deleterious Substances	Same as gradation.
	L.A. Abrasion	Same as gradation.
	Moisture specific gravity and absorption[1]	One initially and every 250 cy thereafter. One moisture to be conducted prior to any batching and more frequently if hauling and storage does not provide a consistent moisture content
Fine Aggregate[1]	Gradation and fineness modules	Same as course aggregate.
	Deleterious Substances	Same as course aggregate.
	Moisture, specific gravity and absorption[1]	Same as course aggregate.
Concrete	Slump	Conduct one test every day of placement and on additional test for every 50 cy placed and more

Material	Test	Minimum Sampling & Testing Frequency
		frequently if batching appears inconsistent. Conduct in conjunction with taking concrete cylinders.
	Entrained Air	Conduct with each slump test.
	Ambient and concrete temperatures	Conduct with each slump test.
Concrete	Compressive strength and evaluation of results per ACI 214. (Includes unit weight of cylinder).	For all concrete placement, take one set of five cylinders per day and one additional set of cylinders for every 50 cy of each class of structural concrete. Cylinders shall be 4 inch by 8 inch. Test one cylinder at 7 days and three at 28 days. Fifth cylinder shall be held in reserve. A plot and statistical evaluation shall be maintained in accordance with ACI 214 for compressive strength results. Field cure cylinders shall be made when in situ strengths are required to be known.

[1]Aggregate moisture tests are to be conducted in conjunction with concrete strength tests for water/cement (w/c) calculations.

Add the following new section:

1-06.7 Shop Drawings and Submittals

(COS GSP)

Where a time constraint is required for notifications, the referenced time limitation shall begin on the first business day following receipt of the notification.

1-06.7(1) General

Shop drawing and submittal review by the City or City's representative will be limited to general design requirements only, and shall not relieve the Contractor from responsibility for errors or omissions or responsibility for consequences due to deviations from the Contract Documents. No changes may be made in any submittal after it has been reviewed except with written notice and approval from the City.

The Contractor shall review each submittal and provide approval in writing or by stamping, with a statement indicating that the Contractor has reviewed and approved the submittal, verified dimensional information, materials, catalog numbers, and similar data, confirmed that specified criteria has been met, and acknowledges that the product, method, or information will function as intended.

Shop drawing and submittal data for each item shall contain sufficient information on each item to determine if it is in compliance with the contract requirements.

The City will provide review services for a first and second review of each submittal item free of charge to the Contractor. The cost to provide additional reviews shall be

charged to the Contractor by withholding the appropriate amounts from each progress payment.

Shop drawing and submittal items that have been installed in the work but have not been approved through the review process shall be removed, and an approved product shall be furnished, all at the Contractor's expense. Under no circumstances shall payment be made to the Contractor for materials not approved through the submittal process.

1-06.7(2) Required Information

All submittals shall include a cover sheet as provided by the City. Shop drawings and submittals shall contain the following information for all items:

a. Project Name
b. Contractor
c. Engineer
d. City
e. Applicable specification and drawing reference
f. Associated Bid item
g. Dimensions and weights
h. Catalog information
i. Manufacturer's specifications
j. Special handling instructions
k. Maintenance requirements
l. Wiring and control diagrams
m. List of contract exceptions
n. Other information as required by the Engineer
o. Installation and Operating Instructions

1-06.7(3) Review Schedule

Shop drawings and submittals will be reviewed as promptly as possible and transmitted to Contractor not later than 10 working days after receipt by the Engineer. The Contractor shall revise and resubmit previously rejected submittals as necessary to obtain approval. Delays caused by the need for resubmittal may not be a basis for an extension of contract time or delay damages at the discretion of the City. One set of electronic shop drawings will be returned to the Contractor via email after review.

1-06.7(4) Substitutions

Any product or construction method that does not meet these specifications will be considered a substitution. Substitutions must be approved prior to their installation or use on this project.

1-06.7(5) After Contract Execution

Within 10 working days after the date of the Notice of Award of Contract, City will consider formal requests from Contractor for substitution of product in place of those specified. Contractor shall submit one electronic copy of request for substitution to the email address specified above. Data shall include the necessary change in construction methods, including a detailed description of proposed method and related drawings illustrating methods. An itemized comparison of proposed substitution with product or method shall be provided.

In making a request for substitution, Contractor represents that he/she has personally investigated the proposed product or method and has determined that it is equal or superior to, in all respects, the product specified. All substitutions shall be reviewed and approved by the City prior to incorporation into the project. Upon review and acceptance by the City, Contractor shall coordinate installation of accepted substitutions into the work, making changes that may be required for work to be completed. Contractor waives all claims for additional costs related to substitutions that consequently become apparent.

1-07 Legal Relations and Responsibilities to the Public

1-07.1 Laws to be Observed

(COS GSP)

Section 1-07.1 is supplemented with the following:

The Contractor shall at all times eliminate noise to the maximum practicable extent. Air compressing plants shall be equipped with silencers, and the exhaust of all gasoline motors or other power equipment shall be provided with mufflers. Special care shall be used to avoid noise or other nuisances, and the Contractor shall strictly observe all federal, state, and local regulations concerning noise.

Compliance with Laws

The Contractor shall comply with the requirements of all other City ordinances, state statutes, laws, and regulations, whether or not stated herein, which are specifically applicable to the public improvements and work to be performed.

Contractor's Safety Responsibilities

These construction documents and the joint and several phases of construction hereby contemplated are to be governed at all times by applicable provisions of the federal law(s), including but not limited to the latest amendments of the following:

Williams-Steiger Occupational Safety and Health Act of 1980, Public Law 91-596.

Part 1910 - Occupational Safety and Health Standards, Chapter XVII of Title 29, Code of Federal Regulations.

This project, the Contractor and its subcontractors, shall, at all times, be governed by Chapter XIII of Title 29, Code of Federal Regulations, Part 1518 - Safety and Health Regulations for Construction (35 CFR 75), as amended to date.

To implement the program, and to provide safe and healthful working conditions for all persons, the construction superintendent or his/her designated safety officer shall conduct general project safety meetings at the site at least once each month during the course of construction.

The prime contractor and all subcontractors shall immediately report all accidents, injuries, and health hazards to the Manager, in writing. This shall not obviate any mandatory reporting under the provisions of the Occupational Safety and Health Act of 1970. This program shall become a part of the contract documents and the contract between the Owner and the Contractor, and all subcontractors, as though fully written therein.

Where the location of the work is in proximity to overhead wires and power lines, the Contractor shall coordinate all work with the utility and shall provide for such measures as may be necessary for the protection of the workers.

(October 1, 2005 APWA GSP)

Supplement 1-07.1 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.

1-07.2 State Taxes

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

1-07.2 State Sales Tax

(June 27, 2011 APWA GSP)

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

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

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

1-07.2(1) State Sales Tax — Rule 171

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

1-07.6 Permits and Licenses

Section 1-07.6 is supplemented with the following:

(COS GSP)

Business License

Contractor and subcontractors must obtain a City of Stanwood business license. The Contractor may apply for a city business license at https://stanwoodwa.org/488/Business-Licensing.

1-07.7 Load Limits

Section 1-07.7 is supplemented with the following:

(March 13, 1995 WSDOT GSP, 1-07.7.OPT6.GR1)

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

1-07.9 Wages

1-07.9(5) Required Documents

(July 8, 2024 APWA GSP)

This section is revised to read as follows:

All Statements of Intent to Pay Prevailing Wages, Affidavits of Wages Paid and Certified Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be submitted to the Engineer and to the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system. When apprenticeship is a requirement of the contract, include in PWIA all apprentices.

1-07.14 Responsibility for Damage

(COS GSP)

Section 1-07.14 is supplemented with the following:

The Contractor further agrees that it is waiving immunity under Industrial Insurance Law Title 51 RCW for any claims brought against the City by its employees. In the event Contractor fails, after receipt of timely notice from the City, to appear, defend, or pay as required by the first paragraph of this section, then in that event and in that event only, the City may in its sole discretion, deduct from the progress payments to the Contractor and

pay any amount sufficient to pay any claim, of which the City may have knowledge and regardless of the informalities of notice of such claim, arising out of the performance of this contract, provided the City has theretofore given notice of receipt of such claim to the Contractor and the Contractor has failed to act thereon.

1-07.15 Temporary Water Pollution Prevention

(*COS GSP*)

Section 1-07.15 is revised as follows:

Temporary Water Pollution/Erosion Control work shall consist of temporary control measures as shown on the plans, specified in these Special Provisions and Standard Specifications, or as directed by the Engineer. This work is intended to provide prevention, control, and abatement of water pollution, and to minimize damage to adjacent properties and streams or other bodies of water.

Where directed by the Engineer and as shown on the plans, the Contractor shall construct inlet protection fabric over catch basins, filter fabric or silt fences to treat runoff prior to discharge from the work site.

Additional work as directed by the Engineer and not shown on the Plans shall be compensated as set forth in Standard Specifications Section 1-09.6.

Silt fence or filter fabric fence and inlet protection shall be constructed per the details provided in the plans and in accordance with Section 8-01 of the Standard Specifications. The Contractor shall be responsible for maintaining, removing, and disposing of all temporary Water Pollution/Erosion control items.

1-07.17 Utilities and Similar Facilities

(COS GSP)

Amend 1-07.17 with the following:

No additional compensation will be made to the Contractor for reason of delay caused by actions of any utility company and the Contractor shall consider such costs to be incidental to the other items of the contract.

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

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 shall give advance notice to all utility companies involved where work is to take place and in all other respects comply with the provisions of Chapter 19.122 RCW. Notice shall include, but not be limited to, the following utility companies:

1. Water, sewer, storm, streets – minimum two working days in advance
2. Power (Electric and Natural Gas) – minimum 48 hours in advance
3. Telephone – minimum 30 days in advance
4. Natural Gas – minimum 48 hours in advance
5. Cable Television – minimum 48 hours in advance
6. Transit – minimum 10 working days in advance

The following is a list of some utilities serving the Stanwood area. This is not intended or represented to be a complete list and is provided for the Contractor's convenience.

Utility	***Agency/ Company***	***Address***	***Contact***	***Phone***
Water/ Sanitary Sewer/ Storm Sewer	City of Stanwood	10220 270th Street NW Stanwood, WA 98292	Kevin Hushagen	(360) 454-5230
Natural Gas	Cascade Natural Gas	1520 South 2nd Street Mt. Vernon, WA 98273	Addam Sad	(360) 336-3866
Telephone	Frontier	13923 Smokey Point Blvd, Marysville, WA 98271	Wayne Wendell Tyler Campbell	(360) 757-3406 (360) 658-2262
Telephone	Astound		Casey Kolling	(425) 754-6317
Power	Snohomish County PUD No. 1	9124 270th Street NW Stanwood, WA 98292	David Stunz	

Note that most utility companies may be contacted for locations through the "One Call" system, 1-800-424-5555. In the event of a gas emergency, call 911

The Contractor shall coordinate the Work with these utilities and shall notify the Engineer in advance of any conflicts affecting the Work schedule. The utility companies shall witness or perform all shutdowns, connections or disconnections.

Wherever in the course of the construction operation it becomes necessary to cause an outage of utilities, it shall be the Contractor's responsibility to notify the affected users not less than twenty-four (24) hours in advance of the creation of such outage. The Contractor shall make reasonable effort to minimize the duration of outages.

The Contractor shall be responsible for any breakage of utilities or services resulting from its operations and shall hold the Contracting Agency and its agents harmless from any claims resulting from disruption of, or damage to, same.

Other Notifications

Service Area Turn Off: All service area turn off notices must be distributed to affected parties two working days in advance of any scheduled shut off. City to provide door hangers and affected service area map. The contractor shall fill in all required information prior to hanging door hanger.

Entry onto Private Property: Each property owner shall be given 48 hours advance written notice prior to entry by the Contractor.

1-07.17(2) Utility Construction, Removal or Relocation by Others
(COS GSP)

Section 1-07.17(2) is supplemented with the following:

> Under no circumstances will discrepancies in location or incompleteness in description of existing utilities or improvements, whether they are visible from the surface, buried, or otherwise obscured, be considered as a basis for additional compensation to the Contractor.

1-07.18 Public Liability and Property Damage Insurance
Delete this section in its entirety, and replace it with the following:

1-07.18 Insurance
(January 4, 2024 APWA GSP)

1-07.18(1) General Requirements

A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.

B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.

C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.

D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the

Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.

E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency

G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.

H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

I. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A "wrap up policy" is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

1-07.18(2) Additional Insured

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

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

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

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

1-07.18(3) Subcontractors

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

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

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

1-07.18(4) Verification of Coverage

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

Verification of coverage shall include:

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

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

1-07.18(5) Coverages and Limits

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

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

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal

and advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

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

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

Such policy must provide the following minimum limits:

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

1-07.18(5)B Automobile Liability

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

Such policy must provide the following minimum limit:

$1,000,000	Combined single limit each accident

1-07.18(5)C Workers' Compensation

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

1-07.23 Public Convenience and Safety

(COS GSP)

Section 1-07.23 is supplemented with the following:

No road or street shall be closed to the public except as permitted in these plans and specifications or with the approval of the Engineer and proper governmental authority. Fire hydrants on or adjacent to the work shall be kept accessible to fire-fighting equipment at all times. Provision shall be made by the Contractor to ensure the proper functioning of all gutters, sewer inlets, drainage ditches and culverts, irrigation ditches and natural water courses, and storm sewer facilities throughout the project. Temporary interruption of service will be allowed only with the permission of the Engineer.

The Stanwood Police Department and North County Regional Fire Authority shall be notified at least four (4) hours in advance of any actions by the Contractor that may affect the functions of either the Police Department or Fire Department.

The Contractor shall conduct its work and take preventative measures so that dust or other particulate matter in the project area shall not become objectionable to the adjacent property owners or general public. Should the Owner determine the Contractor is not

fulfilling its obligation in this regard; the Owner reserves the right to take such action as may be necessary to remedy the objectionable condition and to charge the Contractor with any cost that may be incurred in such remedial action. All work shall be carried on with due regard for the safety of the public. No driveway, whether public, commercial, or private, may be closed without prior approval of the Owner, project supervisor, or Engineer unless written authority has been given by the affected property owner. The Contractor shall be responsible for notifying the affected property owners 24 hours in advance of scheduled interruptions to access.

1-07.24 Rights of Way

(April 22, 2025 APWA GSP)

Delete this section and replace it with the following:

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

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.

1-08 Prosecution and Progress

Add the following new section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference

(October 21, 2025 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 review Training or Apprenticeship Plans, when applicable.
5. To discuss FSBE Goals when applicable.
5. To establish normal working hours for the work;
6. To review safety standards and traffic control; and
7. To discuss such other related items as may be pertinent to the work.

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

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

Add the following new section:

1-08.0(2) Hours of Work

(COS GSP)

Except in the event of an emergency, no work shall be done between the hours of 6:00 p.m. and 7:00 a.m., on Fridays, on weekends, or on holidays observed by the City of Stanwood and identified in Section 1-08.5 of the Standard Specifications. If the proper and efficient prosecution of the work requires operations during the night, hours of operation more than 10 hours per day, or work weeks greater than 40 hours in duration, the written permission of the Owner shall be obtained before starting such items of the work and shall be in full compliance with terms therewith.

The Contractor shall provide a written request to the Owner at least five (5) business days in advance of working non-regular or extended hours. The request shall detail the dates, times, locations of work, and a description of the work to be performed, as well as the personnel and equipment that will be used during these times. No additional payment will be made for overtime costs incurred from working outside the normal working hours. The Contractor shall factor all possible overtime costs into his bid prices for the project. In general, nighttime work shall not be approved for this project; the request to work non-regular hours would involve earlier start times and later finish times and/or weekend work.

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 10-hour period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch break and a 4-day work week of Monday through Thursday. The normal straight time 10-hour working period for the contract shall be established at the preconstruction conference or prior to the Contractor commencing the work.

If a Contractor desires to perform work on holidays, Fridays, Saturdays, Sundays, or before 7:00 a.m. or after 6:00 p.m. on any day, the Contractor shall apply in writing to the Engineer for permission to work such times. Permission to work longer than an 8-hour period between 7:00 a.m. and 6:00 p.m. is not required. Such requests shall be submitted to the Engineer no later than noon on the working day prior to the day for which the Contractor is requesting permission to work.

Permission to work Fridays, Saturdays, Sundays, holidays or other than the agreed upon normal straight time working hours Monday through Thursday 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: requiring the Engineer or such assistants as the Engineer may deem necessary to be present during the work; requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency employees who worked during such times, on non-Federal aid projects; considering the work performed on Saturdays and holidays as working days with regards to the contract time; and 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. Assistants may 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.

1-08.1 Subcontracting

(COS GSP)

Section 1-08.1 is supplemented with the following:

A Subcontractor or an Agent to the Subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:

1. Request to Sublet Work (form 421-012).
1. Statement of Intent to Pay Prevailing Wages (Form 700-029-000).

The Contractor's records pertaining to the requirements of this Special Provision shall be open to inspection or audit by representatives of the Department during the life of the contract and for a period of not less than three years after the date of acceptance of the

contract. The Contractor shall retain these records for that period. The Contractor shall also guarantee that these records of all Subcontractors and Agents shall be open to similar inspection or audit for the same period.

1-08.3 Progress Schedule

(COS GSP)

Section 1-08.3 is supplemented with the following:

The order of work will be at the Contractor's option, in keeping with good construction practice and the terms of the contract. All work shall be carried out in accordance with the requirements of the City of Stanwood in compliance with the plans and specifications. However, the Contractor shall so schedule the work within the time constraints noted in the various contract documents, including any permits. The Contractor is cautioned to review said documents and permits and schedule the work appropriately as no additional compensation will be made to the Contractor due to the time constraints imposed by such documents.

1-08.3(2) Progress Schedule Types

1-08.3(2)A Type A Progress Schedule

(December 30, 2022 APWA GSP)

Revise this section to read:

The Contractor shall submit 5 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

1-08.4 Prosecution of Work

Delete this section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

(July 23, 2015 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.

Section 1-08.4 is supplemented with the following:

ORDER OF WORK

As specified under 1-08.6, a suspension of work will occur from the date of Notice to Proceed until July 31, 2025. No onsite Work shall occur during this suspension.

1-08.5 Time for Completion

(November 25, 2024 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

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

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

Revise the sixth paragraph to read:

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

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
   a. Certified Payrolls (per Section 1-07.9(5)).

b. Material Acceptance Certification Documents
c. Monthly Reports in DMCS of the amounts paid including the final payment confirmation to all firms required by Section 1-08.1(7)A if applicable
d. Final Contract Voucher Certification
e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
f. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
g. Property owner releases per Section 1-07.24

Section 1-08.5 is supplemented with the following:

(COS GSP)
This project shall be physically completed in its entirety within *** 40 *** working days. **Work to begin after June 20th, 2026.**

1-08.9 Liquidated Damages
(March 3, 2021 APWA GSP, Option B)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

1. To pay (according to the following formula) liquidated damages for each working day beyond the number of working days established for Physical Completion, and

2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

Liquidated Damages Formula

LD=0.15C/T

Where:

LD = liquidated damages per working day (rounded to the nearest dollar)
C = original Contract amount
T = original time for Physical Completion

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine the Contract Work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, 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 Measurement and Payment

1-09.2(1) General Requirements for Weighing Equipment

(COS GSP)

Section 1-09.2 is supplemented with the following:

Trucks and Tickets

All tickets shall, at a minimum, contain the following information:

1. Ticket serial number
2. Date and hour of weighing
3. Weigher's identification

Duplicate tally tickets shall be prepared to accompany each truckload of materials delivered to the project.

It is the responsibility of the Contractor to see that tickets are given to the Inspector on the project for each truckload of material delivered. Pay quantities will be prepared on the basis of said tally tickets, delivered to the Inspector at time of delivery of materials. Tickets not collected at the time of delivery will not be honored for payment.

1-09.6 Force Account

(December 30, 2022 APWA GSP)

Supplement this section with the following:

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

1-09.11 Disputes and Claims

1-09.11(3) Time Limitation and Jurisdiction
(December 30, 2022 APWA GSP)

Revise this section to read:

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

1-09.13 Claims Resolution

1-09.13(3) Arbitration

1-09.13(3)A Arbitration General
(January 19, 2022 APWA GSP)

Revise the third paragraph to read:

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

1-09.13(4) Venue for Litigation
(December 30, 2022 APWA GSP)

Revise this section to read:

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

Note to reader: Temporary Traffic Control is now in 2026 WSDOT SPEC DIV 2-04.

END OF DIVISION 1

Division 2
Temporary Features

2-01 Mobilization
(*COS GSP*)

Section 2-01.3 is supplemented with the following:

Mobilization shall include, but not be limited to, the following items: the movement of the Contractor's personnel, equipment, supplies, and incidentals to and from the project site; the establishment of his office, buildings, and other facilities necessary for work on the project; providing sanitary facilities for the Contractor's personnel; obtaining permits, licenses, or insurance products as required to complete the project not furnished by the City; and other work and operations which must be performed or costs that must be incurred.

2-01.5 Payment

Section 2-01.5 is supplemented 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.

2-03.3(1) Construction Under Traffic

(COS *GSP)*

Section 2-03.3(1)is supplemented with the following:

Accessibility to existing or temporary pedestrian push buttons shall not be impaired. If approved by the Contracting Agency activating pedestrian recall timing or other accommodation may be allowed during construction.

Lane, ramp, shoulder, and roadway closures are only permitted as follows:

1. Any plates used on roadway may not be in place for more than 7 calendar days. Plates shall be pinned when used. Plates shall be installed with a cold mix asphalt lip to reduce traffic bump.
2. One-lane, alternating traffic with the use of flaggers will be allowed as a traffic control measure.

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 closure hours. Exceptions to these restrictions are listed below and when applicable take precedence over closures listed above. The Engineer may also consider on a case-by-case basis additional exceptions following a written request by the Contractor.

Lane, ramp, shoulder, and roadway closures are not allowed on any of the following:

1. A holiday,

2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.

3. After *** 3:00 P.M. *** on the day prior to a holiday or holiday weekend, and

4. Before *** 8:00 A.M. *** on the day after the holiday or holiday weekend.

Traffic Delays

When Automated Flagger Assistance Devices (AFADs) or flaggers are used to control traffic, traffic shall not be stopped for more than *** 5 *** minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than *** 5*** minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the *** 5 *** minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the *** 5 *** minute limit. This proposal shall be accepted by the Engineer prior to resuming any work requiring traffic control.

There shall be no delay to medical, fire, or other emergency vehicles. The Contractor shall alert all flaggers and personnel of this requirement.

General Restrictions

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

No two consecutive on-ramps, off-ramps, or intersections shall be closed at the same time and only one ramp at an interchange shall be closed, unless specifically shown in the Plans.

Roads or ramps that are designated as part of a detour shall not be closed or restricted during the implementation of that detour, unless specifically shown in the Plans.

Controlled Access

No special access or egress shall be allowed by the Contractor other than normal legal movements or as shown in the Plans.

Contractor's vehicles of 10,000 GVW or greater shall not exit or enter a lane open to public traffic except as follows:

Egress and ingress shall only occur during the hours of allowable lane closures, and:

1. For exiting an open lane of traffic, by decelerating in a lane that is closed during the allowable hours for lane closures.

2. For entering an open lane of traffic, by accelerating in a closed lane during the allowable hours for lane closures.

Traffic control vehicles are excluded from the gross vehicle weight requirement. If placing construction signs will restrict traveled lanes, then the work will be permitted during the hours of allowable lane closures.

Advance Notification

The Contractor shall notify the Engineer in writing of any traffic impacts related to lane closure, shoulder closure, sidewalk closure, or any combination for the week by 12:00 p.m. (noon) Wednesday the week prior to the stated impacts.

The Contractor shall notify the Engineer in writing ten working days in advance of any traffic impacts related to full roadway closure, ramp closure, or both.

The Contractor shall notify the Engineer in writing of any changes to the stated traffic impacts a minimum of 48 hours prior to the traffic impacts.

2-04.3(1) Traffic Control Management

(September 2, 2025, WSDOT GSP, OPT1.GR2.)
Section 2-04.3 is supplemented with the following:

Work Zone Safety Contingency
Enhancements to improve the effectiveness of the accepted traffic control plans to Increase the safety of the work zones shall be discussed on a weekly basis between the Contractor and the Contracting Agency. Enhancements shall be mutually agreed upon by the Contractor and Engineer prior to performing any Work to implement the enhancement.

Enhancements do not include the use of Uniformed Police Officers or WSP, address changes to the allowed work hour restrictions, or changes to the staging plans in the Contract (if applicable). If allowed by the Engineer, these items will be addressed in 12 accordance with Section 1-04.4.

The Contractor shall be solely responsible for submitting any traffic control plan 15 revision to implement the enhancement in accordance with Section 2-04.3(2).

2-04.3(1)B Traffic Control Supervisor

(October 3, 2022 WSDOT GSP, OPT2.GR2)
Section 2-04.3(1)B is supplemented with the following:

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

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

Evergreen Safety Council
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778
https://www.esc.org
The American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, Virginia 22406-1022
Training Dept. Toll Free (877) 642-4637
Phone: (540) 368-1701
https://atssa.com/training

Integrity Safety
13912 NE 20th Ave.

Vancouver, WA 98686
(360) 574-6071
https://www.integritysafety.com

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

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

2-04.4 Measurement

Item Bids With Lump Sum for Incidentals (No Unit Items)

Section 2-04.4(2) is supplemented with the following:
(COS GSP)

The Lump Sum for Incidentals Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Contract Work defined in Section 2-04 except for costs compensated by Bid Proposal items reinstated and/or as described and listed as separate bid items bid items per Section 2-04.4

2-04.5 Payment

Item Bids With Lump Sum for Incidentals (No Unit Items)

Section 2-04.5(2) is supplemented with the following:
(COS GSP)

The Lump Sum for Incidentals Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Contract Work defined in Section 2-04 except as described and listed as separate bid items per Section 2-05.

END OF DIVISION 2

Division 3
Earthwork

3-02 Removal of Structures and Obstructions

3-02.1 Description

Section 2-02.1 is supplemented with the following:

The Work includes removal of curb, curb and gutter, and cement concrete sidewalk.

3-02.3 Construction Requirements

Section 3-02.3 is supplemented with the following:

All full-depth sawcuts shall be continuous, and shall be made with saws specifically equipped for the purpose. No skip cutting or jack hammering will be allowed unless specifically approved otherwise in writing by the Engineer. The location of all pavement cuts shall be where shown in the Plans or as approved by the Engineer in the field before cutting commences.

The approximate thickness of the asphalt concrete pavement is

***
272nd and 72nd – 4" to 10"
***

All sawcutting performed in the Contract shall provide for and include removal and disposal of slurry created from water cooling/lubrication, in accordance with the Washington State Department of Ecology regulations. Waste material (slurry) shall not be allowed to enter drainage systems, ditches, or streams.

3-02.3(2) Removal of Bridges, Box Culverts, and Other Drainage Structures

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

Removal of Drainage Structures and Pipes

Where shown in the Plans, or at other locations as determined by the Engineer, the Contractor shall remove catch basins, regardless of the size or type, and storm drain pipe. Each catch basin or storm drain pipe shall be removed in its entirety. Where pipe removal is not required for the construction of the new drainage system, the existing pipe may be abandoned in place. Locations of abandonment shall be confirmed by the Engineer.

Pipe removal shall include removal of caps, flanges, fittings, and associated components.

Voids left by catch basin or storm drain pipe 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.

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

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

Removal of Cement Concrete Curbs, Curbs and Gutters and Sidewalk

The Contractor shall use a sawcut to delineate concrete curbing, gutters, and sidewalk to be removed from curbs, gutters, and sidewalk to remain. The Contractor shall take

care to avoid damaging adjacent curbs, gutters, and sidewalk to remain. Any damage caused to the curbs, gutters, and sidewalk to remain, as a result of the Contractor's operations, shall be repaired to the satisfaction of the Engineer at no additional cost to the Contracting Agency.

3-02.4 Measurement

Section 3-02.4, including title, is replaced with the following:

Removing cement concrete curb and gutter will be measured by the linear foot along the line and slope of the existing curb and gutter, if present, prior to removal.

Removing cement concrete sidewalk will be measured by the square yard, exclusive of adjacent curbs and gutters and/or asphalt.

Sawcutting existing pavement will be measured by the linear foot. Measurement will occur once, regardless of the number of passes required to sawcut to the depth required to accomplish the removal.

Removal of existing drainage pipe will be measured by the linear foot along the line and slope of the drainage pipe prior to removal.

Removal of drainage Structures will be measured per each for each drainage Structure removed.

3-02.5 Payment

Section 3-02.5 is supplemented with the following:

"Removing Cement Conc. Curb and Gutter", per linear foot.
The unit Contract price per linear foot for "Removing Cement Conc. Curb and Gutter" shall be full compensation for performing the Work as specified, including disposal.

"Removing Cement Conc. Sidewalk", per square yard.
The unit Contract price per linear foot for "Removing Cement Conc. Sidewalk" shall be full compensation for performing the Work as specified, including disposal.

"Sawcutting Existing Pavement", per linear foot.
The unit Contract price per linear foot for "Sawcutting Existing Pavement" shall be full pay for all labor, material, tools, and equipment necessary to satisfactorily complete the Work as defined in the Contract Plans and these Special Provisions. No measurement will be made for sawcutting when sawcutting is paid for as part of the unit price of other pay items or for additional cuts within the removal limits not shown in the Site Preparation and TESC Plans.

"Removing Existing Drainage Pipe", per linear foot.
The unit Contract price per linear foot for "Removing Existing Drainage Pipe" shall be full pay for performing the Work as specified, including sawcutting and disposal.

"Removing Drainage Structure", per each.
The unit Contract price per each for "Removing Drainage Structure" shall be full pay to perform the Work as specified, including completely removing items, furnishing and placing backfill material, compacting the voids, sawcutting, and disposing of the items.

END OF DIVISION 3

Division 4
Aggreagates and Bases

4-06 Asphalt Treated Base (ATB)
(December 12, 2025APWA GSP)

Supplement Division 4 with the following:

4-06.1 Description
Asphalt treated base (ATB) consists of a compacted course of base material which has been weatherproofed and stabilized by treatment with an asphalt binder.

The Work shall consist of one or more courses of asphalt treated base placed on the Subgrade in accordance with these Specifications and in conformity with the lines, grades, thicknesses, and typical cross-sections shown in the Plans or as staked.

4-06.2 Materials
Materials shall meet the requirements of the following sections:

Asphalt	9-02.1
Anti-Stripping Additive	9-02.4
Aggregates	9-03.6

The grade of paving asphalt shall be as required in the Contract.

4-06.3 Construction Requirements

4-06.3(1) Asphalt Mixing Plant
Asphalt mixing plants for asphalt treated base shall meet the following requirements:

Heating
The plant shall be capable of heating the aggregates to the required temperature.

Proportioning
The mixing plant shall be capable of proportioning: the aggregates to meet the Specifications, and the asphalt binder will be introduced at the rate specified in the approved mix design. If the aggregates are supplied in two or more sizes, means shall be provided for proportioning or blending the different sizes of aggregates to produce material meeting the Specification requirements.

Recycled asphalt pavement (RAP) may be used in the production of ATB. If utilized, the amount of RAP shall not exceed 30 percent of the total weight of the ATB. The final gradation and asphalt binder content will conform to the approved Job Mix Formula (JMF).

ATB will be evaluated under Commercial Evaluation as shown in Section 5-04.2(2). Va limits under 9-03.8(7) are excluded from ATB evaluation criteria.

Mixing
The mixer shall be capable of producing a uniform mixture of uniformly coated aggregates meeting the requirements of these Specifications.

4-06.3(2) Preparation of Aggregates

Aggregates for asphalt treated base shall be stockpiled before use in accordance with the requirements of Section 3-02.

The aggregates shall be heated as required by the Engineer.

4-06.3(2)A Mix Design

The mix design requirements for asphalt treated base shall be as described in Section 9-03.6(3). N_{design} will be 100 gyrations for all ATB design applications. The asphalt binder shall be PG58H-22 or PG64H-28 unless specifically altered in the project specifications. The proposed mix design will be submitted for review on WSDOT Form 350-042 with included notes applicable to the ATB design evaluation.

4-06.3(3) Vacant

4-06.3(4) Mixing

The asphalt treated base shall be mixed in accordance with the requirements of Section 5-04.3(6).

4-06.3(5) Hauling Equipment

Hauling equipment for asphalt treated base shall conform to the requirements of Section 5-04.3(3)B.

4-06.3(6) Spreading and Finishing

Asphalt treated base shall be spread with a spreading machine equipped with a stationary, vibratory, or oscillating screed or cut-off device, subject to the approval of the Engineer. Approval of the equipment shall be based on a job demonstration that the finished product will meet all requirements of the Specifications. Automatic controls will not be required. Unless otherwise directed by the Engineer, the nominal compacted depth of any ATB layer shall not exceed 0.40 feet. On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

The internal temperature of the ATB mixture at the time compaction is achieved shall be a minimum of 185°F. Rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F.

4-06.3(6)A Subgrade Protection Course

Unless otherwise specified by the Engineer, the Contractor shall place the asphalt treated base as a protection for the prepared Subgrade on all sections of individual Roadways which are to receive asphalt treated base as soon as 10,000 square yards of Subgrade is completed. This requirement shall not be limited to contiguous areas on the project.

The surface of the Subgrade protection layer when constructed on a grading project shall conform to grade and smoothness requirements that apply to the Subgrade upon which it is placed.

4-06.3(6)B Finish Course

The final surface course of the asphalt treated base, excluding Shoulders, shall not deviate at any point more than ⅜ inch from the bottom of a 10-foot straightedge laid in any direction on the surface on either side of the Roadway crown. Failure to meet this requirement shall

necessitate sufficient surface correction to achieve the required tolerance, as approved by the Engineer, at no expense to the Contracting Agency.

When portland cement concrete pavement is placed on an asphalt base, the surface tolerance of the asphalt base shall be such that no elevation lies more than 0.05 feet below nor 0.00 feet above the plan grade minus the specified plan depth of portland cement concrete pavement. Prior to placing the portland cement concrete pavement, any such irregularities shall be brought to the required tolerance by grinding or other means approved by the Engineer, at no expense to the Contracting Agency.

4-06.3(7) Density

The asphalt treated base shall be compacted to a density of not less than 80% percent of the maximum theoretical density established for the mix by WSDOT FOP for AASHTO T 209. The density of the base shall be determined by means of tests on cores taken from the Roadway or with the nuclear gauge in accordance with Section 5-04.3(10). The frequency of these tests shall be at the discretion of the Engineer, but in no case shall it be less than one control lot for each normal day's production. The use of equipment which results in damage to the materials or produces substandard workmanship will not be permitted.

4-06.3(8) Anti-Stripping Additive

An anti-stripping additive shall be added to the asphalt binder material in accordance with Section 9-02.4 in the amount designated in a WSDOT mix design/anti-strip evaluation report for a dense graded hot mix asphalt design from the same gravel source within the last 24 months or as evaluated separately by an accredited lab using current WSDOT test methods (AASHTO T324 – Hamburg). Alternately, the ATB may be evaluated for anti-strip additive using ASTM D3625 (Standard Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water) by an accredited lab. The anti-stripping additive required will be the minimum amount necessary to achieve a passing evaluation.

4-06.4 Measurement

Asphalt treated base including paving asphalt will be measured by the ton.

4-06.5 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:

"Asphalt Treated Base, PGXXX-XX", per ton.

"Anti-Stripping Additive", if required by one of the evaluation methods allowed in 4-06.3(8), shall be added and included in the unit contract price for Asphalt Treated Base, PGXXX-XX, per ton. There will be no separate additional payment for the required anti-strip additive.

Division 5
Surface Treatments and Pavements

5-04 Hot Mix Asphalt
(December 12,2025 APWA GSP)

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

5-04.1 Description

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

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

5-04.2 Materials

Materials shall meet the requirements of the following sections:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction

Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for ***$$1$$*** million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if required, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

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

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

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

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

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

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

5-04.3 Construction Requirements

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

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

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.

- Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

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

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

2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.

3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).

5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:

    a. A mechanical sampling device attached to the HMA plant.

b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

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

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

5-04.3(3)C Pavers

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

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

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

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

approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

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

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

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

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

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

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

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.

2. Shall not be connected to the hauling vehicle or paver.

3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.

2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

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

5-04.3(4) Preparation of Existing Paved Surfaces

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

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

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

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

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

that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

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

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

5-04.3(4)A Crack Sealing

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

5-04.3(4)B Soil Residual Herbicide

5-04.3(4)C Pavement Repair

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

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

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

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with

the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.

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

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

5-04.3(5)A Stockpiling RAP or RAS for High RAP/Any RAS Mixes

5-04.3(6) Mixing

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

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

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

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

5-04.3(7) Spreading and Finishing

The mixture shall be placed upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to

distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

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

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

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

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

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

5-04.3(9) HMA Mixture Acceptance

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

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

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

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

5-04.3(9) HMA Mixture Acceptance

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

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

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

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

5-04.3(9)A Vacant

5-04.3(9)B Vacant

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

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

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

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

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

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

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

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

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

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

- If the test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.

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

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

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

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

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

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

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

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

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The

nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

5-04.3(9)C5 Vacant

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

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

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

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

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

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

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

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

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

5-04.3(10) HMA Compaction Acceptance

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

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

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

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

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

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

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

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

Test Results

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

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the sublot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of $200 per core and the Contractor shall pay for the cost of the traffic control.

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

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

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

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5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

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

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

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

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

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

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

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

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

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

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

density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

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

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General

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

5-04.3(11)B Rejection by Contractor

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

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

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

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

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

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density,

gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

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

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

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

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

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

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

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

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly placed mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

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

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

5-04.3(12)A2 Longitudinal Joints

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than ½ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

5-04.3(12)B Bridge Paving Joint Seals

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

5-04.3(13) Surface Smoothness

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than ⅛ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

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

1. Removal of material from high places by grinding with an approved grinding machine, or

2. Removal and replacement of the wearing course of HMA, or

3. By other method approved by the Engineer.

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

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $1500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

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

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

5-04.3(14) Planing (Milling) Bituminous Pavement

The planing plan must be approved by the Engineer and a pre-planing meeting must be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing submittals.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the surface to remove irregularities. The finished product must be a prepared surface acceptable for receiving an HMA overlay.

Use the cold milling method for planing unless otherwise specified in the Contract. Do not use the planer on the final wearing course of new HMA.

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other imperfections. The Contractor must repair any damage to the surface by the Contractor's planing equipment, using an Engineer approved method.

Repair or replace any metal castings and other surface improvements damaged by planing, as determined by the Engineer.

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of the wedge must be as shown on the Drawings or as specified by the Engineer.

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

After planing is complete, planed surfaces must be swept, cleaned, and if required by the Contract, patched and preleveled.

The Engineer may direct additional depth planing. Before performing this additional depth planing, the Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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

5-04.3(14)B1 General

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

1. Intersections:

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

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

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

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

e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.

3. Permanent pavement marking must comply with Section 8-22.

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

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

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

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

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

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.

2. A copy of each intersection's traffic control plan.

3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.

4. Names and locations of HMA supplier facilities to be used.

5. List of all equipment to be used for paving.

6. List of personnel and associated job classification assigned to each piece of paving equipment.

7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.

8. Names, job titles, and contact information for field, office, and plant supervisory personnel.

9. A copy of the approved Mix Designs.

10. Tonnage of HMA to be placed each day.

11. Approximate times and days for starting and ending daily operations.

5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:

   a. The actual times of starting and ending daily operations.

b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.

d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.

e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planing and paving.

f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.

h. Description of how flaggers will be coordinated with the planing, paving, and related operations.

i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.

j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

a. When to start applying tack and coordinating with paving.

b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.

c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.

d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.

e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

5-04.3(16) HMA Road Approaches

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

Roadway cores will be measured per each for the number of cores taken.

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Planing bituminous pavement will be measured by the square yard.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.
"HMA for Approach Cl. ___ PG ___", per ton.
"HMA for Preleveling Cl. ___ PG ___", per ton.
"HMA for Pavement Repair Cl. ___ PG ___", per ton.
"Commercial HMA", per ton.
The unit Contract price per ton for "HMA Cl. ___ PG ___", "HMA for Approach Cl. ___ PG ___", "HMA for Preleveling Cl. ___ PG ___", "HMA for Pavement Repair Cl. ___ PG ___", and "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

"Pavement Repair Excavation Incl. Haul", per square yard.

The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for "HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Planing Bituminous Pavement", per square yard.
The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

"Job Mix Compliance Price Adjustment", by calculation.
"Job Mix Compliance Price Adjustment" will be calculated and paid for as described in Section 5-04.3(9)C6.

"Compaction Price Adjustment", by calculation.
"Compaction Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)D3.

"Roadway Core", per each.
The Contractor's costs for all Work associated with the coring (e.g., traffic control) shall be incidental and included in the unit Bid price per each.

"Cyclic Density Price Adjustment", by calculation.
"Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)B.

5-04.1.RTF
5-04.1 Description
(December 12, 2025 APWA GSP)

Supplement this section with the following:

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

5-04.2(2).RTF
5-04.2(2) Mix Design
(December 12, 2025 APWA GSP)

Supplement this section with the following:

Porous Hot Mix Asphalt (PHMA) or Porous Warm Mix Asphalt (PWMA)
Mix Designs shall be submitted to the Engineer on Washington State DOT Form 350-042 with the additional PHMA test data required by this specification provided as a one page supplemental attachment. The supplemental test data form is available at http://www.wsdot.wa.gov/partners/apwa/PorousAsphaltPavement.pdf.

The asphalt binder for PHMA/PWMA shall be PG 58V-22 or 64V-28, or higher, grade. Binder content shall be between 6.0% and 7.0% by total weight of the mix, and will be the highest percentage that passes both the drain down and void requirements tests at N_{design} = 75 gyrations. The binder content tolerance shall be ±0.3% during production/ placement of the PHMA/PWMA. The Contractor shall adjust the aggregate to meet the maximum drain down test requirements within the ranges provided below.

1. Drain down shall be 0.3 %, maximum, according to ASTM D6390
2. Void ratio shall be 16% to 25% per ASTM D3203 at N_{design} = 75 gyrations.

The Contractor shall include with the submittal temperature-viscosity curves from the asphalt binder supplier showing the recommended mixing and compaction temperatures developed for dense graded HMA applications.

The Contractor shall determine anti-strip requirements for PHMA/PWMA and provide data for anti-stripping. The asphaltic mix shall be tested for its resistance to stripping by water in accordance with ASTM D3625. If the estimated coating area is not above 95 percent, anti-stripping agents shall be added to the asphalt. Contractor shall be responsible for conducting the anti-stripping evaluation and providing a report to the Engineer.

Alternately, anti-strip evaluation of an existing dense graded hot mix asphalt of the same maximum nominal aggregate class and from the same aggregate materials source may be used to set the anti-stripping requirements for PHMA/PWMA. The anti-strip requirement for the PHMA/PWMA shall be equivalent to the anti-stripping requirement for the HMA.

5-04.2(9-03.8(6)).RTF

9-03.8(6) HMA Proportions of Materials

(December 12, 2025 APWA GSP)

Supplement section 9-03.8(6) with the following:

Aggregates for Porous Hot Mix Asphalt (PHMA) Or Porous Warm Mix Asphalt (PWMA) shall meet the following requirements for grading:

Sieve Size	Percent Passing
¾" square	100
½" square	90 - 100
⅜" square	55 - 90
U.S. No. 4	10 - 40
U.S. No. 8	0 - 20
U.S No. 40	0 - 13
U.S. No. 200	0 - 5

* All percentages are by weight.

The aggregate for PHMA/PWMA shall consist of crushed stone with a percent fracture greater than 90% on two faces on the No. 4 sieve and above, and shall be tested in accordance with the field operating procedures for AASHTO T 335.

5-04.3(3)A.RTF

5-04.3(3)A Mixing Plant

(December 12, 2025 APWA GSP)

Supplement this section with the following:

Plants used for preparation of PHMA/PWMA shall conform to the following requirements:

6. **Fiber Supply System**

When fiber stabilizing additives are determined necessary to achieve drain down criteria per 5-04.2(2) of these Specifications, a separate feed system that meets the following shall be required:

1. Accurately proportions by weight the required quantity into the mixture in such a manner that uniform distribution will be obtained.
2. The fibers shall be uniformly distributed prior to the injection of the asphalt binder into the mixture. When a continuous or drier-drum type plant is used, the fiber shall be added to the aggregate and uniformly dispersed prior to the injection of asphalt binder.

7. **Surge and Storage Systems**

The storage time for PHMA/PWMA mixtures shall be no more than four (4) hours for non-insulated silos or eight (8) hours for insulated silos. Placement temperature specifications shall be met regardless of silo storage time.

5-04.3(3)E.RTF

5-04.3(3)E Rollers

(December 12, 2025 APWA GSP)

Supplement this section with the following:

Pneumatic tire rollers shall not be used for compaction of PHMA/PWMA. The Contractor shall develop a roller pattern that will initially consolidate the pavement structure as well as target 15% to 18% final air voids (82% to 85% of maximum theoretical (Rice) density). The Contractor shall monitor compaction during placement of PHMA/PWMA with a pavement density gauge.

5-04.3(9).RTF

5-04.3(9) HMA Mixture Acceptance

(December 12, 2025 APWA GSP)

Supplement this section with the following:

Commercial evaluation will be the basis for acceptance of PHMA/ PWMA.

5-04.3(9)D.RTF

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

(December 12, 2025 APWA GSP)

Supplement this section with the following:

For PHMA or PWMA, temperature of the mix at the time of discharge from the haul vehicle shall be within the temperature range identified in the approved submittal.

5-04.3(11)H.RTF

5-04.3(11) Reject Work

(December 12, 2025 APWA GSP)

Supplement this section with the following:

5-04.3(11)H Rejection - PHMA/PWMA Infiltration Test

The Contractor shall conduct infiltration tests on the finished PHMA/PWMA per ASTM C1701 at locations chosen by the Engineer. Newly-placed PHMA/PHWA shall have a minimum infiltration rate of 100 inches/hour. I Infiltration tests shall be completed every 150 linear feet of roadway and conducted in accordance with ASTM C1701.

If the measured infiltration rate is less than 100 inches/hour, the Contractor shall conduct an additional four infiltration tests in line with the paver direction of travel. Two tests upstream and two tests downstream of the initial test locations shall be taken at distances of 20 feet and 40 feet. Results of the additional tests will be averaged. The Contractor shall conduit additional testing upstream and downstream to identify the area to be removed. If the average infiltration rate is less than required remove and replace the failing section at the direction of the Engineer and at no cost to the Contracting Agency.

5-04.4.RTF

5-04.4 Measurement

(December 12, 2025 APWA GSP)

Supplement this section with the following:

PHMA/PWMA will be measured by the ton in accordance with Section 1-09.1, with no deduction being made for the weight of asphalt binder, blending sand, mineral filler, or any other component of the HMA. If the Contractor elects to remove and replace mix as allowed in Section 5-04.3(11), the material removed will not be measured.

5-04.5.RTF

5-04.5 Payment

(December 12, 2025 APWA GSP)

Supplement this section with the following:

"PHMA/PWMA", per ton.

The unit Contract price per ton for "PHMA/PWMA" shall be full compensation for all costs, including anti-stripping additive and tack coat, incurred to carry out requirements of Section

5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

5-06.SA.RTF

5-06 Pervious Concrete Pavement

(*December 12, 2025 APWA GSP*)

Supplement Division 5 with the following:

5-06.1 Description

This work shall consist of constructing a pervious cementitious pavement composed of portland cement concrete on a prepared subgrade or subbase in accordance with these Specifications and in conformity with the lines grades, thicknesses, and typical cross-sections shown in the Plans or established by the Engineer.

5-06.2 Materials

Materials shall meet the requirements of the following sections:

Portland Cement	9-01
Aggregates for Portland Cement Concrete	9-03.1
Premolded Joint Filler for Expansion Joints	9-04.1(2)
Curing Materials and Admixtures	9-23
Water	9-25.1

Hydration stabilizing admixtures shall conform to the requirements of Section 9-23.6(3) or 9-23.6(5).

Synthetic Fibers for Concrete

When specified, synthetic fibers to be included in the mix for portland cement concrete shall conform to the requirements of ASTM D 7508/7508M.

5-06.3 Construction Requirements

5-06.3(1) Pervious Concrete Preconstruction Meeting

Prior to the start of construction of the pervious concrete pavement section, including excavation of the pavement section, the Contractor shall coordinate, schedule and attend a preconstruction meeting for the pervious concrete pavement. The following are required to attend the meeting:

1. Contracting Agency representative.
2. General Contractor's representative(s).
3. Engineer of Record for the pervious concrete pavement.
4. Concrete placement lead person(s).
5. Associated Subcontractor's representative.
6. Pervious concrete Supplier's representative.

7. Material Testing Laboratory's representative.

The meeting shall cover all aspects of the work including, but not limited to:

1. Submittals.

2. Short, and long term, schedule.

3. Inspection of the Work.

4. Protection of the Work.

5. Pervious concrete placement.

6. Curing.

7. Materials.

8. Specifications.

9. Testing.

10. Test panel and JMF.

11. Acceptance criteria.

5-06.3(2) Pervious Concrete Mix Design

The Contractor shall provide a mix design for pervious concrete and shall submit the mix design to the Engineer in writing. Pervious concrete shall not be placed in the test panels without a mix design that has been reviewed and accepted by the Engineer.

5-06.3(2)A Mix Design Criteria

The Contractor shall include the following elements and results of the described procedures in the proposed mix design:

1. A unique identification number for the mix design that is approved for the Job Mix Formula (JMF).

2. Portland cement and blended hydraulic cement shall meet the requirements of Section 9-01 except that Type III portland cement, Type IT and Type IL blended hydraulic cements, and rapid hardening hydraulic cement, shall not be used.

3. The cementitious content, including pozzolans, if used, shall be a minimum of 480 pounds per cubic yard.

4. The mix shall incorporate a hydration stabilizing admixture.

5. Synthetic microfibers may be utilized at the manufacturer's recommended dosage rate.

6. Internal curing admixtures may be used at the dosage rate recommended by the manufacturer with the approval of the Engineer.

7. The water / cement ratio shall not exceed 0.35.

8. No more than 25 percent of portland cement in the mix, by weight, may be replaced by fly ash, ground granulated blast furnace slag, or a combination of both.

9. Coarse aggregate shall conform to Section 9-03.1(4), AASHTO Grading No.8.

5-06.3(2)B Job Mix Formula (JMF)

The approved mix design established through the approved test panel becomes the JMF.

5-06.3(3) Submittals

In accordance with Section 1-05.3, the Contractor shall submit a Type 3 Working Drawing with the following items to the Engineer prior to placing any pervious concrete pavement:

1. The source of all materials proposed for use in constructing pervious concrete pavement.

2. Batch weights for all constituents of one cubic yard of the proposed pervious concrete mix.

3. The saturated surface dry (SSD) specific gravity of all aggregates to be used in the proposed pervious concrete mix.

4. The proposed gradation of coarse aggregates used in pervious concrete.

5. The designed volume in cubic feet of all proposed components for one cubic yard of the proposed pervious concrete mix.

6. The design water / cement ratio of the proposed mix design.

7. The fresh density of the proposed pervious concrete mixture as determined by ASTM C1688.

8. Catalogue cuts and Certificates of Compliance for all proposed admixtures.

9. Mill Certification of the portland cement and pozzolans, if used, for the current lot to be used in the production of the proposed pervious concrete mix. The Contractor shall maintain this submittal throughout the duration of the project as lots change.

10. Current certification by the National Ready Mix Concrete Association (NRMCA) for the batch plant(s) to be used in the production of pervious concrete.

11. Current certifications by the NRMCA for the trucks to be used in transporting pervious concrete from the batch plant to the point of placement.

12. Qualification documentation for current certifications by the NRMCA for the Contractor's personnel who will be installing pervious concrete. See Section 5-06.3(10)A. Valid acceptable documentation is the NRMCA issued wallet card or certification certificate.

13. At the time of delivery of the material to the site, the Contractor shall provide an original Certificate of Compliance for each truckload of pervious concrete. The Certificate of Compliance shall include information noted in Section 6-02.3(5)B. If the Certificate of Compliance from the concrete producer is not provided to the Engineer upon delivery, the truckload shall not be placed.

5-06.3(4) Equipment

Equipment necessary for handling materials, mixing, delivering, and performing all parts of the Work, shall be in good repair, designed for the task, and operated by trained and qualified personnel.

5-06.3(4)A Batching Plant and Equipment

Pervious concrete shall be centrally mixed. Batch plants for pervious concrete shall be prequalified in accordance with Section 6-02.3(4)A. Pervious concrete shall not be truck mixed or shrink mixed.

5-06.3(4)B Mixer Trucks

Pervious concrete shall be transported to the location by truck mixers, non-agitating trucks shall not be used for the transport of pervious concrete. The drums on mixer trucks used to transport pervious concrete shall have fins that are not excessively worn, damaged or have excessive concrete buildup. Mixer trucks shall be prequalified in accordance with Section 6-02.3(4)A.

5-06.3(4)C Side Forms

Pervious concrete shall be placed in stationary forms. If pervious concrete is to be placed against a curb, previously placed concrete, or other existing structure, they may be used as a side form for the pervious concrete paving. Forms for pervious concrete shall be made of steel or wood and shall be in good condition and shall be capable of being anchored in place so that they will be true to grade, line, and slope. Forms shall be sufficiently rigid to maintain specified tolerances and capable of supporting concrete and mechanical concrete placing equipment. Forms shall be in good condition, straight, clean, free of debris, non-adherent rust, and hardened concrete.

Set, align, and brace forms so that the hardened pavement meets the lines, grades and slopes as shown in the drawings. Apply form-release agent to the form face, which will be in contact with concrete, immediately before placing concrete. Form release agent shall not be applied to previously placed concrete. Previously placed pavement shall be protected from damage.

The Contractor shall inspect all forms for line, grade and slope. No pervious concrete shall be placed until the forms have been inspected by the Engineer.

5-06.3(4)D Finishing Equipment

Finishing equipment for pervious concrete paving shall be designed for the intended work, shall be clean and in good operating condition.

Equipment used for striking off the pervious concrete shall leave a smooth surface at the planned grades and shall not cause excess paste to be left on, or drawn to, the surface. If rollers or spinning screeds are used to compact, they shall be of sufficient weight and width to compact the pervious concrete uniformly through its depth and to grade without marring the surface. Equipment used for compacting pervious concrete shall not cause the surface

to close or otherwise clog and shall produce a surface that is free of ridges or other imperfections. Tools used for producing joints shall be designed and manufactured for the purpose and shall not otherwise damage or mar the surface.

Vibrating equipment shall not be used for placement or compaction of pervious concrete.

5-06.3(5) Measuring and Batching Materials

Measuring and batching materials for pervious concrete pavement shall conform to the requirements of Section 5-05.3(4).

5-06.3(6) Acceptance

For acceptance, pervious concrete pavement will be divided into lots as follows: A single lot is represented by the lesser of: one day's production or 360 square yards of pervious concrete in place. Where the Contractor has more than one crew placing pervious concrete, individual lots will be associated with each crew. Representative lot size will be determined to the nearest square yard. If no sample is taken on a day, that day's quantities may be included in the next or previous day's lot(s). The Engineer may isolate an area of pervious concrete within a lot that does not meet Contract requirements and the area will be considered a separate lot for purposes of acceptance. Lots determined in this manner shall be extended as necessary such that they are bounded by planned joints. Acceptance of a lot of pervious concrete pavement will be based on the following criteria:

1. **Grade:** Conform to the dimensions, lines, slopes and grades specified on the plans. Pervious concrete pavement shall be true to planned grades and cross slopes and shall not deviate from grade more than ¼ inch in ten feet.

2. **Conformance to JMF:** The pervious concrete pavement used shall conform to the mix design for the JMF within the limits as set forth in Section 6-02.3(5)C and as determined from the accepted test panel.

3. **Compacted Depth and Average Hardened Density:** After a minimum of seven calendar days of curing, obtain three random core samples from each lot by removing cores in accordance with ASTM C42/C42M and measure the length of each core in accordance with ASTM C1542/1542M. No single core length shall be deficient by more than 3/4 inch of the design depth as shown on the plans. The average length of all cores from a lot shall be within minus 3/8 inch of the design depth as shown on the plans. After the length is measured, measure hardened density of each core in the lot in accordance with ASTM C1754/C1754M. The hardened density from a lot must be within +/- 5 percent of the average hardened density of the JMF (approved test panel). Core holes shall be filled by the Contractor with pervious concrete meeting the JMF and shall match adjacent pavement color, texture and grade.

4. **Infiltration Rate:** The infiltration rate at any single test point shall not be less than 100 inches per hour when tested in accordance with Section 5-06.3(6)A.

5. **Fresh Density:** The fresh density of each lot will be measured by ASTM C1688 at the point of placement shall be within +/- five pounds per cubic foot of the fresh density determined from the JMF (approved test panel).

6. **Appearance:** The appearance of each lot shall be consistent with the JMF (approved test panel). The pervious concrete pavement shall have a consistent surface texture,

shall not be raveled, shall be free of ridges or other surface imperfections, shall have joints that are in the specified location and are constructed per specification, and shall be free of cracks.

Testing for acceptance will be performed by the Engineer.

5-06.3(6)A Infiltration Rate of the Placed Pavement

The infiltration rate of the pervious concrete shall be determined at four random locations within each lot. The locations for conducting infiltration tests will be determined by the Engineer. The Contractor shall coordinate and schedule testing with the Engineer a minimum of five Working Days in advance of the infiltration testing. The infiltration rate on the finished surface will be determined in accordance with ASTM C1701, except the infiltration ring diameter may be 12-inches to 24-inches in diameter. The infiltration test will be conducted after a minimum of seven calendar days of curing has occurred.

If the measured infiltration rate is less than 100 inches/hour at any test location, the Contractor may request in writing that the Engineer perform additional infiltration tests for the purpose of assessing overall infiltration performance and/or determining a defective lot in accordance with Section 5-06.3(6). The determination of a defective lot, or lots, and the extent(s), will be determined by the Engineer. The cost of additional testing shall be the responsibility of the Contractor at a cost of $500 per test.

5-06.3(7) Rejection

Pervious concrete may be rejected by the Contractor for any reason at no expense to the Contracting Agency.

A truckload of pervious concrete will be rejected if the Certificate of Compliance in accordance with 5-06.3(3) is not provided at the time of delivery of the material to the site.

Pervious concrete that is improperly cured or is allowed to freeze during the initial seven day curing period will be rejected.

A lot of pervious concrete pavement that does not meet the requirements in Section 5-06.3(6) will be rejected.

During the removal process of the rejected pavement, the Contractor shall implement measures to protect the adjacent pervious concrete pavement to remain. If pervious concrete pavement becomes damaged by the Contractor during removal of the rejected pavement, then additional pavement areas may be rejected by the Engineer to the next planned joint.

Fresh pervious concrete that has been rejected by the Engineer, or the Contractor, shall not be placed, or shall be removed and replaced, at no additional cost to the Contracting Agency.

5-06.3(8) Mixing Pervious Concrete

Batch, mix and deliver pervious concrete in compliance with ASTM C94/C94M except that pervious concrete shall not be transit mixed or shrink mixed. If water is added to the mix after it is delivered on site, the fresh density for the pervious concrete shall meet the requirements of the approved JMF referenced in this section.

5-06.3(8)A Limitations of Mixing Pervious Concrete

Mixing and placing concrete shall be discontinued when a descending air temperature in the shade away from artificial heat reaches 40º F and shall not be resumed until an ascending air temperature in the shade and away from artificial heat reaches 40ºF.

The temperature of fresh pervious concrete shall not be less than 55° F, nor more than 90°F when placed.

Pervious concrete shall not be mixed with aggregates having a temperature less than 32°F.

5-06.3(9) Subgrade Preparation and Subbase

Prepare and protect subgrade in accordance with Section 2-06.

Prepare and protect subbase in accordance with Section 4-04.

5-06.3(10) Placing, Spreading, Finishing, Edging, Tolerances and Curing

Pervious concrete shall not be placed, compacted or finished when the natural light is inadequate, unless an adequate lighting system is in operation. The adequacy of light will be determined by the Engineer.

Wet the surface of the subbase with water immediately before placing pervious concrete. Deposit concrete either directly from the transporting equipment or by conveyor on the subbase, unless otherwise specified. Pervious concrete shall not be placed on frozen subbase. Deposit concrete between the forms to an approximately uniform height. Spread the concrete using mechanized equipment or hand tools.

Strike off concrete between forms using a form-riding paving machine, roller screed, or spinning screed.

Compact concrete to a uniformly dense structure without clogging the surface with paste.

Finish the pervious concrete to a uniform, open-textured surface to match the appearance of the approved JMF test panel.

Edges shall be hand tooled to a radius of ¼ inch.

Curing materials for pervious concrete shall be in place no more than 20 minutes of discharge onto the subbase. The pavement surface and all exposed edges shall be completely covered with sheet curing materials conforming to Section 9-23.1. The curing material shall be secured at all exterior edges and interior laps without damaging the pervious concrete. The method of securing the curing material shall prevent wind from removing the sheet and from blowing under the sheet across the surface of the concrete. Cure the pavement continuously for a minimum of seven days.

All traffic (foot and vehicular), staging, stockpiling or other work shall be kept off of the pervious concrete pavement during the curing period.

5-06.3(10)A Contractor's Qualifications

The contractor shall employ no less than one National Ready Mixed Concrete Association (NRMCA) certified Pervious Concrete Craftsman for each crew, who must be on site, over-

seeing the work during all pervious concrete placement; or employ no less than three NRMCA Certified Pervious Concrete Installers per crew, who must be on site working during each pervious concrete placement. The minimum number of certified individuals must be present on each crew for every pervious concrete placement, including the test panel placements, and a certified individual must be in charge of the placement crew and procedures.

If personnel used for installing pervious concrete are unqualified, inattentive to quality, or unsafe, they shall be removed or reassigned from installation of pervious concrete at the written request of the Engineer.

5-06.3(10)B Test Panel

Production placement of pervious concrete shall not occur until the Contractor has completed a test panel of pervious concrete pavement that meets all of the acceptance criteria described herein and accepted by the Engineer.

The Contractor shall construct a test panel utilizing a minimum of seven cubic yards of pervious concrete. If multiple pavement section depths are shown on the plans, a test panel shall be constructed for each pavement section depth/thickness. The width of the test panel shall have a width no smaller than the greatest width to be constructed on the project. The test panel(s) shall include at least one joint and at the spacing specified on the plans and specifications. Test panels may be placed non-contiguously. The test panel(s) shall be equivalent and representative of the production pervious concrete pavement in all aspects including subbase, depth, joints, method of placement, curing, and preparation. Construction and evaluation of the test panel shall occur as follows:

1. Notify the Engineer at least ten Working Days before installing pervious concrete test panels.

2. Coordinate the location of the test panel with the Engineer.

3. Install the test panel in accordance with the Specifications and Plans.

4. Notify the Engineer when the test panel is ready for inspection and acceptance testing.

5. Acceptance testing will be conducted in accordance with Section 5-06.3(6).

6. Remove, replace, and dispose of any unsatisfactory portions of test panels as determined by the Engineer, at no additional cost to the Contracting Agency.

Failure to install acceptable test panel(s) of pervious concrete will indicate an unapproved test panel(s) and require new test panel(s) for review.

The completed and approved test panel(s) shall establish the JMF.

The approved test panel shall meet the requirements of Section 5-06.3(6).

Upon successful completion of the infiltration test, unless otherwise determined by the Engineer, three cores will be obtained in accordance with ASTM C42 and will be used to validate the mix design under the acceptance criteria of Section 5-06.3(6). Cores shall be taken at the same location where the infiltration test was conducted. The average hardened

density of the cores shall be the hardened density used for the JMF. The hardened density of each core used for determining the JMF shall be within five percent of the mean value of the three cores. Core holes shall be filled by the Contractor with pervious concrete meeting the proposed JMF and shall match adjacent pavement color, texture and grade.

The completed and accepted test panels shall be maintained and protected throughout the duration of the Work and may not be demolished and disposed of without written permission from the Engineer. If the test panel(s) is incorporated into the Work, it shall remain in place accepted as a single lot.

5-06.3(11) Joints

Construct joints at the locations, depths and with horizontal dimensions indicated on plans unless noted otherwise in this section. Joints shall be of three types: construction, contraction, and isolation. Construction joints shall be formed at the end of a day's work or when necessary to stop production for any reason. Contraction joints shall be used to control random cracking. Isolation joints shall be used where the pervious concrete abuts existing facilities or where shown on the Plans.

5-06.3(11)A Construction Joints

Construction joints shall be located at the location of a planned contraction or isolation joint. Construction joints are to be formed by placing a header between the forms, at right angles, to the full depth of the finished pervious concrete, and set to the height of the forms. Pervious concrete shall be placed against the header and compacted and finished as normal, including edging. The header shall remain in place until paving resumes.

5-06.3(11)B Contraction Joints

Contraction joints (transverse and longitudinal) shall be constructed at the locations and intervals shown in the Plans. Contraction joints shall be a depth of 1/3 the thickness of the pervious concrete pavement section and have a width of no more than 1/4 inch.

Plastic formed contraction joints shall be tooled on both sides of the joint with a radius of ½ inch. Tool joint to the depth and width in fresh concrete immediately after the concrete is compacted.

Contraction joints may be saw cut. Sawcutting shall occur as soon as the pervious concrete surface can be traversed without marring and when saw cutting can be performed without raveling or dislodging aggregate. Curing measures shall only be removed to the extent that saw cutting may be performed and shall be immediately replaced when the joint is cut. Slurry from saw cutting shall be vacuumed immediately with the saw cutting operation and shall not be allowed to accumulate or otherwise infiltrate or clog the pervious concrete. The minimum width of a saw cut joint shall be 1/8 inch.

5-06.3(11)C Isolation Joints

Isolation joints shall be placed where the pervious concrete abuts existing structures or where shown on the Plans. Isolation joints shall continue through the depth of the pervious concrete using a 3/8 inch premolded joint filler meeting the requirements of Section 9-04.1(2). Isolation joints may be formed by forming a construction joint and affixing the premolded joint filler against one side of the joint and placing fresh pervious concrete against it. Isolation joints and filler shall be flush with the surrounding pervious concrete and shall not deviate from the acceptance criteria for smoothness as shown in Section 5-06.3(6).

The edge of the pervious concrete adjacent the premolded joint filler shall be hand tooled with a ½ inch radius.

5-06.3(12) Cold Weather Work

When concrete is being placed and the ambient air temperature is expected to drop below 35°F during the day or night, the Contractor shall protect the concrete from freezing. The Contractor shall submit for approval a Cold Weather Plan prior to placing concrete when ambient air temperature below 35°F is anticipated, or when requested by the Engineer. When a Cold Weather Plan is required, pervious concrete shall not be placed without an approved Cold Weather Plan.

Under the Cold Weather Plan, the Contractor shall provide a sufficient supply of straw, hay, blankets, or other suitable blanketing material and spread it over the pavement to a sufficient depth to prevent freezing of the concrete. The blanket material shall be placed on top of the sheet curing materials and covered with a layer of burlap or plastic sheeting, weighted or anchored to prevent the wind from displacing the insulation. At no time during the curing period shall the temperature of the pervious concrete be allowed to drop below 55°F. The Engineer may require recording thermometers if daytime temperature is below 50°F. The curing period may be extended by the Engineer if the pervious concrete temperature has been allowed to drop below 55°F.

The cold weather protection shall be maintained for seven days.

5-06.3(13) Protection of Pervious Concrete Pavement

As part of the Construction Stormwater Pollution Prevention plan (SWPPP), rain runoff, surface water of any kind and sediment shall be prevented from entering the area of pervious concrete construction, including excavation, until the pervious concrete application has cured, testing is completed and determined to meet specifications, and the adjacent areas that sheet flow/drain onto the pervious concrete are permanently stabilized from erosion and/or plantings are established. Once pavement is placed, flow diversion measures and protective covers shall continually be maintained until adjacent areas are permanently stabilized and concrete has been accepted. Construction vehicular traffic shall not be allowed onto the pervious concrete pavement.

The pavement may be opened to vehicular traffic after the pervious concrete has cured for at least seven uninterrupted days, all testing has been completed, and the pavement has been accepted by the Engineer.

The Contractor shall take every precaution to protect the pervious concrete pavement from damage, including the introduction of foreign materials to the surface, throughout the course of the work. Pervious concrete pavement that is damaged or has been adversely impacted by the introduction of foreign materials shall be remediated to the satisfaction of the Engineer or rejected and replaced to the nearest joint.

5-06.4 Measurement

Measurement for “Pervious Concrete Sidewalk” will be by the square yard of finished surface of pervious concrete sidewalk. No measurement will be made for blocked out areas, castings or other discontinuities in the sidewalk nine square feet or larger.

Measurement for “Pervious Concrete Pavement” will be by the square yard of the finished surface of pervious concrete pavement. No measurement will be made for blocked out areas, castings or other discontinuities in the pavement nine square feet or larger.

5-06.5 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:

“Pervious Concrete Sidewalk”, per square yard.
The Unit contract price per square yard for “Pervious Concrete Sidewalk” shall be full pay for furnishing all labor, tools, equipment and materials required to construct the pervious concrete sidewalk as specified in this Section, including but not limited to; performing mix designs, and placing pervious concrete.

“Pervious Concrete Pavement”, per square yard.
The Unit contract price for “Pervious Concrete Pavement” shall be full pay for furnishing all labor, tools, equipment and materials required to construct the pervious concrete pavement as specified in this Section, including but not limited to, performing mix designs, and placing pervious concrete.

END OF DIVISION 5

Division 7
Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains, and Conduits

7-01 Drains

7-01.2 Materials

Section 7-01.2 is supplemented with the following:

Trench Drains 9-05.1(8)

7-01.4 Measurement

Section 7-01.4 is supplemented with the following:

Trench Drain will be measured per linear foot of installed product per approved plan.

7-01.5 Payment

Section 7-01.5 is supplemented with the following:

"Trench Drain", per lineal foot.
The unit price of "Trench Drain" will include all work required to acquire material approval, purchase, deliver to site, and install the finished product per manufacturer's instruction and as otherwise noted on the approved plans. The unit price for trench drain shall also include trench drain excavation, concrete, compaction, fittings, caps, fasteners and hardware as necessary for completed installation to the trench drain outlet. Storm drain work and construction materials necessary downstream of the trench drain outlet shall not be included in the unit price for Trench Drain.

7-04 Storm Sewers

7-04.5 Payment

Section 7-04.5 is supplemented with the following:

(******)
The unit Contract price per linear foot for storm sewer pipe of any kind and size specified shall be include furnishing and installing tracer/locator tape.

7-05 Manholes, Inlets, Catch Basins, and Drywells

7-05.3 Construction Requirements

7-05.3(1) Adjusting Catch Basins and Manholes to Grade
Section 7-05.3(1) is supplemented with the following:

All manholes and catch basins shall be adjusted to finished grade after paving operations are complete. The Contractor shall adjust the drainage structure using concrete risers or adjustment rings, or by other necessary means approved by the Engineer, in accordance with Contracting Agency standards, to the satisfaction of the Engineer. If brick risers are present, they shall be replaced with concrete.

All catch basins and manholes for storm sewers shall be grouted water tight, including under frames, rims, manhole barrel, riser sections, and pipe collars.

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7-05.4 Measurement

The third paragraph of Section 7-05.4 is revised to read as follows:

Adjustment of manholes, catch basins, and inlets will be made separately per each structure after raising to finished grade.

7-05.5 Payment

Section 7-05.5 is supplemented with the following:

"Replace Existing Rectangular Frame and Grate with New Rectangular Frame and Solid Metal Cover", per each.
The unit Contract price per each for "Replace Existing Rectangular Frame and Grate with New Rectangular Frame and Solid Metal Cover" shall be full pay for all costs necessary to remove existing frames and grates and replace them with new 20" x 24" frames and solid covers, including disposal of removed materials.

"Adjust Catch Basin" per each.
The unit Contract prices per each for "Adjust Catch Basin", shall be full compensation for labor, tools, equipment, and materials to perform the work as specified. This includes mortar, grout, blocks, risers, and final restoration of adjacent area directly surrounding the structure. CSTC used for restoring areas adjacent to catch basins will be measured and paid under the "Crushed Surfacing Top Course" bid item.

7-08.3 Construction Requirements

7-08.3(1) Excavation and Preparation of Trench

7-08.3(1)A Trenches

(******)

Section 7-08.3(1)A is supplemented with the following:

No payment will be made for trench backfill or restoration which is outside trench limits (maximum pay limits) as indicated on the plans, Standard Plans, or specified herein. Excavation outside the trench limits will be considered to be done at the sole benefit of the Contractor unless otherwise approved by the Engineer. Trench limits will be as described in Section 7-09.3(7) of the Standard Specifications.

Driveways, curbs, gutters, sidewalks, and curb ramps shall be removed as necessary and as shown on the Plans to install the improvement as shown on the construction Plans.

When soft or unstable material is encountered at the subgrade which, in the opinion of the City, will not uniformly support the pipe, such material shall be excavated to an additional depth as directed by the City and backfilled with 4”-8” quarry spalls. All saturated soils shall be over-excavated, properly disposed of and replaced with compacted quarry spalls as directed by the Engineer.

Prior to excavation through asphalt concrete pavement or cement concrete pavement, the pavement shall be sawcut along a reasonably straight line, removed, and disposed. If the sawcut is damaged during Contractor operations or raveling of the pavement occurs during construction, the Contractor shall, unless waived by the Engineer, provide clean sawcut line prior to final paving. All costs including haul and disposal associated with sawcutting shall be considered incidental to the various bid items in the proposal.

Prior to trenching through areas improved with lawn or through fences, rockeries, shrubs, plants, or other improvements, these improvements shall be removed, stored and protected. After the water and storm installation is complete, the improved area shall be returned to a condition equal or better than the area before the installation. If any stored improvements are not suitable for reuse after construction, they shall be replaced with an improvement of equal or better quality.

All material removed from the trench shall be hauled to a proper disposal site provided by the Contractor unless otherwise directed by the Owner's field inspector.

Geotextile fabric shall be installed per Section 2-12 of the specifications and as shown on the plans.

7-08.3(1)B Shoring

(******)

Section 7-08.3(1)B is supplemented with the following:

The Contractor shall provide all materials, labor, and equipment necessary to adequately shore trenches to protect the work, existing property, utilities, pavement, and any other improvements, and to provide safe working conditions in the trench. The Contractor may use any method of shoring, provided that the method complies with all local, state, and federal safety codes. The Contractor alone shall be responsible for worker safety, and the

owner and its agents assume no responsibility. Damages resulting from improper shoring or failure to shore shall be the sole responsibility of the Contractor and all costs to reconstruct or compact soils adjacent to trenches that were disturbed by construction activities shall be incidental to other bid items.

Shoring below the pipe will not be removed if, in the opinion of the Engineer, such removal will disturb the pipe bed.

7-08.3(2) Laying Pipe

7-08.3(2)B Pipe Laying

(******)

Section 7-08.3(2)B is supplemented with the following:

The Contractor is required to pothole a minimum of 150 feet ahead of the pipe-laying operation to determine the exact horizontal and vertical location of existing utilities and determine if a conflict exists. If a conflict should exist, the Engineer shall be notified prior to any change in pipeline grade. Potholing in advance of the pipe laying operation is required for all utility work including storm drainage pipe, and catch basins.

The “stringing” of pipe is prohibited. The Contractor shall only lay out that length of pipe that will be installed during that day's work shift. Under no circumstances should the pipe be dragged across the ground surface during handling of the pipe.

7-08.3(3) Backfilling

(******)

Section 7-08.3(3) is supplemented with the following:

It is anticipated that native soils will not be suitable for pipe or structure bedding or for backfill. Trenches shall be backfilled as shown in the plans. Excavated material shall be legally disposed of.

After backfilling the Contractor shall immediately place temporary asphalt patch over all trenches in paved areas until such time that road reconstruction or concrete installation

can be completed. The furnishing, placement, and removal of temporary asphalt patch shall be considered incidental to the associated work item. The Contractor shall grade all roads and shall maintain them during the period required by the General Provisions of this contract in such a manner as to provide safe travel by the public, free of settlement, mud holes, ruts, and high centers. The asphalt patch shall be removed and hauled away prior to completion of road restoration or concrete installation. The Contractor shall be required to maintain all patches at no additional cost to the City.

If cold mix asphalt is used for temporary patching, it shall be a minimum compacted depth of 3.0 inches. At the Contractor's option, Commercial HMA may also be used for temporary patching. If Commercial HMA is used, it shall be a minimum thickness of 2.0 inches. The furnishing, placement, and removal of temporary patching consisting of either cold mix or Commercial HMA shall be considered incidental to the associated work item.

Special construction methods shall be used where a water main crosses within 12-inches of or otherwise exposes new or existing pipelines or conduits during construction. These methods shall include Ethafoam 220 Pad or sand bedding, and/or as shown in the plans.

Open excavations will not be allowed to be left open during non-working hours. All open excavation shall be backfilled or covered with steel sheets with appropriate traffic warning signs. The steel sheets shall not be used over weekends.

7-08.3(3)A Compaction

(******)

The following section shall be added:

The backfill shall be compacted by a method approved by the City and meeting the provisions of Section 7-08.3(3) of the Standard Specifications. Compaction of backfill shall meet the following density requirements:

Material shall be placed in successive layers not exceeding 12" in loose thickness with each later being compacted in a systematic manner using appropriately sized compaction equipment to achieve at least 95% of the maximum dry density as determined using the Modified Proctor Compaction Test, ASTM D-1557. Smaller loose lifts may be necessary to achieve compaction where handheld compaction equipment such as jumping jacks, hoe-packs, or plate compactors are used. During placement of the initial lifts, the trench backfill material should not be bulldozed into the trench or dropped directly on the pipe.

Furthermore, heavy vibratory equipment should not be permitted to operate directly over the pipe until a minimum of 2 feet of backfill has been placed over the pipe bedding to an in-place density of at least 90 percent of the maximum dry density as determined using ASTM D-1557. The contractor should develop compaction methods that consistently produce adequate compaction levels.

The Contractor shall excavate to depths and locations when and as directed by the City to allow for compaction tests. Shoring, if required, shall be supplied by the Contractor at no expense to the Owner.

Any areas that fail to meet compaction requirements shall be re-tested at the expense of the Contractor.

7-08.4 Measurement

(******)

Section 7-08.4 is supplemented with the following:

Measurement of Removal of Unsuitable Material will be per ton of installed material. Certified truck weight tickets shall be furnished with each load of material delivered. No payment will be made without a ticket. Excavation below the foundation material as shown on the plans shall be paid under “Removal and Replacement of Unsuitable Material” and shall only be paid with prior authorization from the Engineer.

7-08.5 Payment

(******)

Section 7-08.5 is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid items where shown in the bid proposal:

The quantity shown for this bid item in the Bid Schedules is estimated and may vary and is not eligible for price adjustment. The use of this bid item is subjected to authorization by the Engineer and no payment will be made to Contractor for quantities used without prior authorization by the Engineer.

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7-09 WATER MAINS

7-09.1 Description

(******)

Section 7-09.1 is supplemented with the following:

This Work shall also consist of constructing water sampling stations as shown on the plans.

7-09.2 Materials

(******)

Section 7-09.2 is supplemented with the following:

Material(s) shall meet the requirements as supplemented herein. All materials shall be as specified on the construction plans and in the City of Stanwood's standard details, unless otherwise specified herein.

Ductile Iron Pipe

All Ductile Iron Pipe shall be Class 52 with push-on type rubber gasketed joints and conforming to AWWA C151 and AWWA C111. The pipe and fittings shall be cement lined and scaled in accordance with AWWA C104.

Ductile Iron Pipe is added as a contingency in the event depth of cover for PVC Pipe is less than 3 feet and is in lieu of using CDF for pipe cover. Bid item is not eligible for payment adjustment in variation of quantity.

PVC Pipe

All PVC pipe shall be C900 water pipe conforming to AWWA C900. Pipe shall be pressure class DR 18 (235 psi).

Water Service Pipe

Water service pipe installed under this Contract shall be minimum 200 psi polyethylene pipe as shown on the Plans conforming to the requirements of Section 9-30.6(3)B.

Fittings

All water main fittings shall be ductile iron conforming to the requirements of Section 9-30.2(5), and shall be installed with appropriate thrust blocking. Other approved means of restraint shall be added but are not to be used in lieu of thrust blocking.

Following assembly, all fitting nuts, bolts, exposed threads, and shackle rods shall be stainless steel.

Joint restraint devices shall consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements of ANSI/AWWA C110/A21.10. Joint restraints shall meet or exceed the requirements of ASTM F1674 of the latest revision. Mechanical joint restraints shall be the EBAA Iron Series 2000PV or approved equal.

Restrained couplings shall meet the applicable requirements of AWWA C219, ANSI/AWWA C111/A21.11, and ASTM D2000. The restrained joining system shall be the EBAA Iron Series 3800 or approved equal.

Cathodic Protection

Anodes shall be 32#D5 Ultramag high potential magnesium anodes manufactured by Farwest Corrosion Control Company or approved equal. Bonding cable shall be high molecular weight polyethylene (HMWPE) sized per the table shown on the standard detail.

7-09.3 Construction Requirements

7-09.3(1) General

(******)

Section 7-09.3(1) is supplemented with the following:

All trenching, shoring, pipe laying, compacting, and dewatering shall comply with Section 7-08.3 of the Special Provisions.

7-09.3(5) Grade and Alignment

(******)

Section 7-09.3(5) is supplemented with the following:

Adjustment in depth to avoid conflicting utilities shall be accomplished by either deflecting the pipe at the joints in conformance with manufacturer's recommendations or by the use of vertical bends and thrust blocking. Vertical bends shall be avoided to the maximum extent practicable and use of vertical bends for this purpose requires approval by the Owner. The Contractor shall lay the pipe at grades that prevent localized high points. All costs associated with adjustments in depth shall be considered incidental to other items in the contract and no additional payment will be made.

7-09.3(6) Existing Utilities

(******)

Section 7-09.3(6) is supplemented with the following:

The Contractor shall comply with the General Notes section of the construction plans. The Contractor shall anticipate the potential for crossing over or under an occasional shallow existing side sewer that is not part of the one-call utility locate. If such a side sewer is encountered, the Contractor shall immediately notify the Owner's on-site representative and then take the necessary steps to determine whether or not the side sewer is active. Water mains should cross above side sewer lines. When the water main must cross the side sewer with less than 18 inches of vertical separation, the Contractor shall encase the water main with a pressure rated casing pipe extending at least 10 feet on either side of the crossing. Special construction methods shall be used where a water main crosses within 12-inches of or otherwise exposes new or existing pipelines or conduits during construction. These methods shall include Ethafoam 220 Pad or sand bedding, and/or as shown in the plans. If a side sewer is damaged by construction activity, the Contractor is responsible for repairing the side sewer. All costs associated with determining the viability and repair of the existing side sewer shall be considered incidental to other items in the contract and no additional payment will be made.

7-09.3(6)A Potholing

(******)

Section 7-09.3(6)A is added as follows:

The Contractor shall pothole a minimum of 150 feet in advance of the work to determine the exact horizontal and vertical location of existing utilities including service lines and determine if a conflict exists. If a conflict should exist, the Engineer shall be notified prior to any change in water line grade. All costs associated with adjustments in depth to avoid conflicts with existing utilities shall be considered incidental to other items in the contract and no additional payment will be made.

Prior to reaching within four (4) pipe lengths of a connection point, the Contractor shall pothole at the connection point to verify the size, material, depth and location of the existing main. Based on potholing information, the Contractor shall plan the work so as to avoid the need for vertical bends and to avoid localized high spots and low spots that may trap air or prevent full dewatering of the pipe.

7-09.3(7) Trench Excavation

(******)

Section 7-09.3(7) is supplemented with the following:

Prior to the excavation, the person responsible for making the water service connections must be in contact with the City Water Department.

The length of the water trench shall not exceed forty (40) feet in advance of pipe laying.

The maximum trench width shall be in accordance with the details shown on the construction plans. In locations where the trench for the proposed main will be within 3 feet of an existing charged AC main, the water trench length shall be reduced to one stick of pipe.

7-09.3(10) Backfilling Trenches

(******)

Section 7-09.3(10) is supplemented with the following:

A sand cushion shall be placed between the new water main and any existing utilities within 6 inches of the new water main. Water and sewer spacing shall comply with the City of Stanwood Standard Details. Backfilling operations shall conform to AWWA C-600.

7-09.3(19)A Connections to Existing Mains

(******)

Section 7-09.3(19)A is supplemented with the following:

Testing and flushing the new water main must meet the following schedule and criteria:

- It shall be the Contractor's responsibility to notify the City of Stanwood Department of Public Works three (3) days in advance of scheduling the filling and flushing of the new water main.
- After achieving a successful pressure test the new water main must be flushed and purity samples taken within 48 hours or as approved by Engineer.
- After the new water main has been flushed and purity samples have been taken it must be connected to the existing system within seven (7) days.
- Contractor shall contact City of Stanwood Department of Public Works five (5) working days prior to any work requiring the shutdown of existing water mains. Shutdowns will be scheduled for Tuesday through Thursday between 9:00 am and 3:00 pm.
- The Contractor is required to give two (2) working days notice to all customers affected by a water main shutdown. Notices and maps of the affected area will be provided by City of Stanwood Water Department after acceptable purity test results are obtained. The Contractor shall be responsible for filling in the required information and distribution of the door hanging notices.
- New water mains shall be filled, flushed and pressure tested with the City's construction inspector/observer being present.
- A maximum of one system connection shall be scheduled per day unless multiple connections are advantageous to the water system and have been approved by the Water Department.
- The Water Department will be responsible for all tasks involved with shut-off and turn-on of the existing water mains. Unless directed otherwise by the Engineer, the Contractor shall not operate existing water system valves or fire hydrants.

The City of Stanwood's Water Maintenance Manager, at his/her sole discretion, may adjust the above shutoff periods in order to address specific project circumstances and customer needs. The Contracting Agency reserves the right to re-schedule the connection if the Work area is not ready at the scheduled time for the connection.

Points of connection to existing water mains shall be exposed by hydro excavation or potholing prior to trenching of the new water mains. Before the installation of the new water mains, the Contractor shall field verify, in the presence of the Engineer, the actual location and depth of the existing water mains where new connections will be made to assure proper fit. Care shall be taken not to disturb existing thrust blocks and soil bearing areas. After

excavation, the Contractor shall verify the dimensions, type, condition, and roundness of the exposed water main. The Contractor shall immediately notify the Engineer if the connection cannot be made as specified by the Contract Plans in order that the connection detail may be revised. When necessary, the profile shall be adjusted as directed by the Engineer to prevent abrupt changes in grade and alignment of the water main and connection.

No permanent connections to the existing system shall be made until the new water main has been tested and approved by the Engineer. No temporary connections of the untested, unapproved new water main to the existing system shall be made without the installation of a double check valve assembly between the new water main and existing system.

Each connection shall be made in compliance with the construction plans. Connections to existing mains shall comply with the requirements for maintaining service as described herein. The Contractor shall be aware that some existing water facilities are known to contain asbestos cement pipe. The Contractor will conduct all work related to existing asbestos cement pipe in strict accordance with current WISHA safety regulations and provisions contained within WAC 296-62-077. All costs related to work in compliance with established rules and regulations shall be the responsibility of the Contractor. Removal of existing asbestos cement pipe from the ground, if required, will be permitted only after the proper permits are obtained from the Puget Sound Air Pollution Control Agency. The Contractor will be responsible for all associated fees and permits required for asbestos removal and disposal. The contractor shall provide work crews with proper protective clothing and equipment.

Connections to existing AC mains shall be made on rough barrel section of the main, and not at milled joints, using Romac brand couplers with the proper transition gaskets.

Connections shall be less than one pipe length; using the “bell end” or a “wedding band” is not permitted.

7-09.3(19)B Maintaining Service

(******)

Section 7-09.3(19)B is revised with the following:

Water service shall be maintained as described on the construction plans and as follows: Prior to commencement of any work on a connection to an existing water main, the Contractor shall assemble all materials, equipment, and labor necessary to properly

complete the work. All tie-in materials to the existing water system shall be on-site by 3:00 p.m. of the day prior to the connection. A maximum of one system tie-in shall be permitted per working day. Once the water has been shut off, the Contractor shall diligently pursue the connection to completion so that the time required for the shut-off will be held to a minimum. All connections to existing water mains shall be completed the same day that they are started. The Contractor shall time his operations so that the water will not be shut off overnight, over weekends, or during holidays.

The existing water mains are intended to remain in service until testing and disinfecting have been approved by the City and until all water service connections have been transferred. If, due to the Contractor's actions, the existing water system fails to provide service to adjacent residences, then the Contractor shall provide temporary service to the affected residences. Furthermore, the temporary services, if required, shall be approved by the Engineer prior to installation. All costs of providing and maintaining temporary service for the necessary time durations shall be completely borne by the Contractor. Should the Contractor neglect or needlessly delay in the pursuit of this work item, the City may at its discretion dispatch crews to remedy the situation and deduct all costs associated with the employment of their crews from moneys owed the Contractor.

7-09.3(21) Concrete Thrust Blocking

(******)

Section 7-09.3(21) is revised with the following:

The Contractor shall provide concrete blocking at all tees and fittings, and horizontal or vertical angle points. Blocking shall conform to City of Stanwood standard details for general blocking and vertical blocks. All fittings to be blocked shall be wrapped with 8-mil polyethylene plastic. Concrete blocking shall be properly formed with plywood or other acceptable forming materials and shall not be poured around joints. The forms shall be stripped prior to backfilling. Concrete shall be Class 3,000.

All tees and bends shall have Mega-Lugs (or similar product) appropriate for the pipe and fittings installed and shall have concrete thrust blocks. If concrete thrust blocks will not be fully cured at the time the new main is pressurized all the bends must have temporary “kickers” in place before the main will be re-charged. All concrete blocks are to be hand mixed (with water) before being placed or are to be delivered by ready mix truck.

7-09.3(23) Hydrostatic Pressure Test

(******)

Section 7-09.3(23) is revised with the following:

City of Stanwood Street and Utility Standards Section 4.210 shall apply.

All water mains and appurtenances shall be tested under a hydrostatic pressure no less than 225 psi for 15 minutes with no pressure drop. Water service lines will be visually inspected for leakage. All pumps, gauges, plugs, saddles, corporation stops, backflow prevention devices, miscellaneous hose and piping, and other equipment shown on the construction plans and that are necessary for performing the test shallbe furnished and operated by the Contractor. The pipeline trench shall be backfilled sufficiently to prevent movement of the pipe under pressure.

All thrust blocks shall be in place and sufficiently cured to reach design strength before testing. Where permanent blocking is not required, the Contractor shall furnish and install temporary blocking and remove it after testing. For construction of new water main, the service connections shall be tested with the main.

The mains shall be filled with water and allowed to stand under pressure for a minimum of 24 hours to allow the escape of air and/or allow the lining of the pipe to absorb water. The Owner will furnish the water necessary to fill the pipelines for testing purposes at a time of day when excess quantities of water are available for normal system operation. No connection shall be made between the new main and the existing mains until the new piping has been disinfected, flushed, and passed both pressure and purity testing.

Gauges used in the test may be required to be certified for accuracy at a laboratory by the Owner.

Any visible leakage detected shall be corrected by the Contractor to the satisfaction of the Owner. Should the test section fail to meet the pressure test successfully as specified, the Contractor shall, at his own expense, locate and repair the defects and then retest the pipeline. After the test has been completed, each valve shall be tested by closing each in turn and relieving the pressure beyond. This test of the valves will be acceptable if there is no immediate loss of pressure on the gauge when the pressure comes against the valve being checked. The Contractor shall verify that the pressure differential across the valve does not exceed the rated working pressure of the valve. All tests shall be made with the hydrant auxiliary valve open and pressure against the hydrant valve.

Sections to be tested shall be limited to 500 feet. The Owner may require that the first section of pipe, not less than 1,000 feet in length, installed by each of the Contractor's crews, be tested in order to qualify the crew and/or the material. Pipe laying shall not be continued more than an additional 500 feet until the first section has been tested successfully. Prior to calling out the Engineer to witness the pressure test, the Contractor shall have all equipment set up completely ready for operation and shall have successfully performed the test to assure that the pipe is in a satisfactory condition.

Before applying the specified test pressure, air shall be expelled completely from the pipe, valves and hydrants.

A clean container shall be used for holding water for pumping pressure on the main being tested. This makeup water shall be sterilized by the addition of chlorine to a concentration of 50 mg/l. Upon satisfactory completion of the pressure test, the line shall be disinfected, flushed, and then a sample shall be taken for purity testing by the Public Works Inspector. Results of the purity testing shall be in-hand prior to any commitment to turning on valves.

7-09.3(23)A Testing Extensions From Existing Mains

(******)

Section 7-09.3(23)A is added after the last paragraph as follows:

When an extension greater than 18 feet is made from an existing valve, or from a section of main without services which can be isolated by an existing valve, the Contractor may have the option of pressure testing the existing section or valve to eliminate the need for a final connection by pretested pre-chlorinated pipe, subject to the consent of the Engineer.

In electing and receiving consent to utilize the method of pretesting and direct connection, the Contractor retains all responsibility for successful final testing of the completed new construction and assumes all risk for damages which may be caused to the existing system valves, piping, or appurtenances.

7-09.3(24) Disinfection of Water Mains

(******)

Section 7-09.3(24) is supplemented with the following:

Prior to discharging dechlorinated water to the storm drainage system or any waterway, the Contractor shall obtain approval from the City of Stanwood and all other governing agencies. Once all approvals and permits have been obtained, the Contractor shall completely dechlorinate the water prior to discharging it to the storm drainage system or any waterway. Prior to discharging chlorinated water to the sanitary sewer system, the Contractor shall obtain approval from the City of Stanwood Sewer Department Supervisor Leigh Danielson at 360-629-9781 EXT. 2. All costs associated with disinfection of water mains shall be incidental.

The Contractor is responsible for providing advance written notification to all regulatory agencies of its intent to discharge chlorinated water and the scheduled timing of these activities.

7-09.3(24)A Flushing

(******)

Section 7-09.3(24)A is supplemented with the following:

City of Stanwood Street and Utility Standards Section 4.220 shall apply.

All flushing water shall be properly dechlorinated prior to discharge. Dechlorination shall be achieved using Vitamin C tablets equal to Pollardwater. The Contractor shall submit a Dechlorination Plan for review and approval by the Contracting Agency.

Flushing water conveyed to the sanitary sewer system shall be at a rate which does not exceed the capacity of the City's sewer lines and lift stations. This rate will be less than the rate needed to obtain the minimum required flushing velocity of 2.5 feet per second. The Contractor shall provide all necessary tanks and appurtenances for de-chlorination and discharge rate control. Contractor shall provide a backflow prevention device at the hydrant used for providing water for flushing. Contractor shall also provide an air gap device at the discharge sewer manhole to provide a minimum 2’ air gap between the discharge pipe invert and the manhole opening. All costs associated with flushing of water mains shall be incidental.

7-09.3(25) Working with AC Pipe

(******)

Section 7-09.3(25) is added as follows:

All Contractors working with AC pipe must be state-certified. The Contractor shall provide protective clothing and equipment (coveralls, gloves, boots, head covering, goggles, respirators, etc.) to crews working with asbestos cement pipe in order to assure the worker's exposure to asbestos material is at or below the limits prescribed in WAC 296-62-07705.

7-09.3(26) Cathodic Protection

(******)

Section 7-09.3(26) is added as follows:

All ductile iron fittings and gate valves shall be installed with cathodic protection per City of Stanwood standard detail W-16 and in compliance with all manufacturer recommendations. Ensure that adequate slack exists in the cables such that backfilling operations will not cause the wire to become detached from the fittings.

Welds shall be made as shown on the standard detail. Contractor shall observe proper safety precautions, welding procedures, thermite weld material selection, and surface preparation recommended by the welder manufacturer and in accordance with the standard detail. Assure that fitting wall thickness is of sufficient thickness that the exothermic weld process will not damage the integrity of the fitting wall. Prime and coat weld as shown on the standard detail.

7-09.4 Measurement

(******)

Section 7-09.4 is supplemented with the following:

Measurement of C900 PVC Pipe for Water Main __ In. Diam., Incl. Fittings shall be per linear foot, measured along the horizontal centerline of the pipe installed through fittings.

Measurement of Connection A to Existing Water System (Live Tap) and Connection B to Existing Water System shall be per each. Service connections will not be included in the measurement of Connection to Existing Water System.

Measurement of Potholing at Connections & Utility Crossings will be per lump sum for all locations where the proposed watermain will cross another utility. This also includes potholing at all connection locations and as called out on the plans.

Measurement for payment of blowoff assembly will be per each.

7-09.5 Payment

(******)

Section 7-09.5 is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid items where shown in the bid proposal:

"D.I. Pipe for Water Main 8-Inch Diam., Class 52", per lineal foot.

"C900 PVC Pipe for Water Main ___In. Diam., Incl. Fittings", per lineal foot.

"Potholing at Connections & Utility Crossings", per lump sum

"Connection to Existing Water System (Live Tap)", per each.

Water Main Pipe

The unit contract prices for "C900 PVC Pipe for Water Main __ In. Diam., Incl. Fittings" and "D.I. Pipe for Water Main X-Inch Diam., Class 52 (As Necessary)", shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for installation of water main pipe and fittings as shown on the Plans and specified herein, including but not limited to:

1. All necessary clearing and grubbing for trench excavations in non-paved areas.

2. Removal and disposal of existing asphalt concrete and cement concrete pavement as necessary for trench excavations in paved areas shall be paid under separate bid items. This bid item shall include all necessary sawcutting to remove existing pavement prior to trench excavation and to remove existing pavement beyond the trench as necessary and as indicated on the Plans prior.

3. Trench excavation, shoring, and localized dewatering.

4. Installation of pipe and fittings, including bends, joints restraints, and other fittings as needed to maintain clearance and alignment

5. Handling and proper disposal of interfering portions of existing water main pipe, including asbestos cement (AC), and fittings.

6. Steel sheeting/plating for covering excavations as necessary.

7. Removal, loading, hauling, and disposal of any excess native trench excavation material as necessary.

9. Temporary and permanent thrust blocking including ecology blocks as shown on the plans or as directed by the Engineer.

10. Maintenance of existing water main and provisions for interim water service.

11. Pressure and purity testing, and disinfection of all water mains including temporary blow-off, backflow prevention, and air gap apparatus' as necessary for testing.

12. Extra depth, including excavation, backfill and compaction, required to clear existing buried utilities or other obstacles.

13. Detectable marking tape and Tracer wire, as applicable.

14. Placing, compacting, and maintaining temporary patching consisting of a minimum 3-inches of cold mix asphalt or minimum 2-inches of hot mix asphalt over compacted backfill within existing paved areas, and removal of the temporary asphalt prior to road reconstruction or concrete installation.

15. Furnishing and installing cathodic protection per City of Stanwood standard detail W-16 including, but not limited to, anode, bonding cable, welding, and preparation of fitting for weld.

16. Abandoning the existing water main as shown on the plans or as directed by the Engineer. This bid item shall include removing valve boxes along the existing water system as shown on the plans or as directed by the Engineer and as included in the specifications.

17. Sand backfill for utility crossings.

18. All necessary ductile iron fittings, including restrained joints.

19. All casings, spacers, fittings, and end seals.

Survey, field staking and layout for new water main are included in the "Roadway Surveying" bid item.

All imported bedding, backfill, pavement, roadway subgrade, and compaction will be paid for under separate bid items. Geotextiles will be paid under their respective bid items.

Potholing at Connections & Utility Crossings

The lump sum contract price for "Potholing at Connections & Utility Crossings" shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for potholing at all buried utility crossings, as called out on the plans, and at the points of connection to the existing water system to verify the size, material, depth and location of the existing main and all crossing utilities.

The lump sum price shall include sawcutting; vactor truck; excavation and removal of soils; backfill and compaction; and placing, compacting, and maintaining temporary patches.

Connection to Existing Water System

The unit contract price for "**Connection to Existing Water System (Live Tap)**" shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for a complete connection to the existing water system (water main only) as shown on the Plans and specified herein including gaskets, bolts, pipe, nipples, adapters, sleeves including stainless steel tapping sleeve, couplings, fittings, joint restraints, tees including tapping tee, gate valves including tapping gate valve and all other necessary appurtenances; thrust blocking; controlled density backfill; solid brick supports; plastic or construction fabric; trench excavation; localized dewatering; testing of tapping sleeve prior to installation; pressure and purity testing, including temporary blow-offs necessary for testing; extra depth excavation, backfill and compaction required to clear buried utilities or other obstructions; handling and proper disposal of interfering portions of existing water main pipe and fittings; cutting, removal and disposal of existing AC pipe as a hazardous waste, and removal and disposal of steel pipe as a hazardous material; and placing, compacting, and maintaining temporary patches.

Blowoff Assembly

The unit price per each for "Blowoff Assembly" shall be full compensation for furnishing and installing the blowoff assembly per Plans and Specifications. The unit price shall include but not be limited to the milling, excavation, backfill, gate valve, connection to the water main, washed gravel, all pipe and fittings, and all appurtenances necessary to provide the blowoff assembly. Payment includes furnishing a new meter box for the assembly. Measurement and payment shall be per each based upon each complete assembly installed.

7-12 Valves for Water Mains

7-12.1 Description

Section 7-12.1 is supplemented with the following:

This Work consists of adjusting existing water valve boxes, water meter boxes, and covers at locations shown in the Plans, or as directed by the Engineer.

7-12.1 Description

7-12.2 Materials

(******)

Section 7-12.2 is supplemented with the following:

Gate Valves – 4 to 12 Inch

Gate valves shall be resilient wedge, NRS (non-rising stem) with o-ring seals. Valve ends shall be mechanical joint or ANSI flanges. Gate valves shall have stainless steel bonnet and gland bolts. Gate valves shall have electrostatically applied fusion-bonded epoxy-resin coating meeting or exceeding AWWA C550. Valves shall conform to AWWA C509 or C515. Gate valves shall be Mueller or M&H.

Valve Boxes

Valve boxes shall be per City of Stanwood Standard Detail W-10.

Water Valve Box Adjustments

This work consists of adjusting existing valve boxes and covers to finished grade at locations shown in the Plans, or as designated by the Engineer.

7-12.3 Construction Requirements

(******)

Section 7-12.3 is supplemented with the following:

Existing water valve boxes shall be adjusted to the grade as staked or otherwise designated by the Engineer. The adjustment of the water valve box to grade by the use of riser rings is not allowed.

Removal operations shall be conducted to prevent damage to the existing water valve box. Any damage due to the Contractor's operations shall be repaired or replaced at the Contractor's expense and to the Engineer's satisfaction.

The Contractor shall conduct water valve box adjustments so that the fully-adjusted box allows the respective valve to be fully operational. The Contractor shall make the adjustment and remove all debris from the adjusted water valve box to ensure such operational condition.

Existing water valve boxes shall be adjusted to the grade as staked or otherwise designated by the Engineer. The adjustment of the water valve box to grade by the use of riser rings is not allowed.

Removal operations shall be conducted to prevent damage to the existing water valve box. Any damage due to the Contractor's operations shall be repaired or replaced at the Contractor's expense and to the Engineer's satisfaction.

The Contractor shall conduct water valve box adjustments so that the fully-adjusted box allows the respective valve to be fully operational. The Contractor shall make the adjustment and remove all debris from the adjusted water valve box to ensure such operational condition.

All valves with operating nuts located more than five (5) feet below finished grade shall be equipped with extension stems per City of Stanwood's standard details.

If necessary to adjust valve boxes to grade, valve extensions shall be provided per City of Stanwood Standard Details or water valve extension detail on plans. All costs for furnishing and installing valve operating extensions and adjustment of valve boxes to grade, if required, shall be considered incidental to and included in the various bid items.

Valve box top sections shall be adjusted flush with the finished pavement and, in those areas to be excavated for future roadway grades, enough adjustment shall be provided in the valve box to allow the top of the box to be adjusted to the required grade.

The valve box shall be free of debris and the lid shall be painted with blue enamel.

The valve box ears shall be lined up in the direction of flow (parallel to the direction of the pipe.) The water main valves shall have resilient seats for all valves, no matter which type (gate or butterfly). The valve nut shall be centered in the valve box. The valve shall be checked for proper operation before and after the new line is pressurized.

Old water main valve boxes shall be totally removed, the resulting holes backfilled and the existing surface restored in-kind after the old water main is abandoned. Valve box paving risers shall be cast iron suitable for H-20 traffic loading.

Cathodic protection shall be installed per City of Stanwood standard detail W-16, section 7-09.3(26) of the special provisions, and all manufacturer's recommendations.

Water Valve Box Adjustments

Existing valve boxes shall be adjusted as shown in the Plans. The adjustment of the water valve box to grade by the use of riser rings is not allowed.

Removal operations shall be conducted to prevent damage to the existing valve box. Any damage due to the Contractor's operations shall be repaired or replaced at the Contractor's expense and to the Engineer's satisfaction.

The Contractor shall conduct valve box adjustments so the fully-adjusted box allows the respective valve to be fully operational. The Contractor shall make the adjustment and remove all debris from the adjusted valve box to ensure such operational condition.

Only the valve boxes shown in the Plans, or as otherwise designated by the Engineer, shall be adjusted. Valve box adjustments shall be made within 15 days of the completed paving of each road.

Valve boxes shall be re-adjusted to grade if the finished asphalt pavement surface across the ring and cover does not meet surface smoothness requirements, as defined in Section 5-04.3(13) in the Special Provisions.

Water valve boxes shall be replaced as determined necessary by the Field Inspector. The Contractor is advised that the City will provide replacement water valve boxes and lids as needed. The Contractor is responsible for coordinating with the City to ensure frames and lids are available when they plan to complete the Work.

7-12.3(1) Installation of Valve Marker Post

(******)

Section 7-12.3(1) is supplemented with the following:

Valve marker posts shall be installed per City of Stanwood's standard details where the valve box is located in an unimproved area.

7-12.4 Measurement

Section 7-12.4 is supplemented with the following:

Adjusting water valve boxes and water meter boxes will be measured per each for each water valve box or water meter box adjusted.

Measurement of 12-Inch Gate Valve Assembly shall be per each. Tapping gate valve shall be included in "Connection to Existing Water System (Live Tap)" bid item and no separate measurement shall be made.

Measurement for existing water valve boxes adjusted to finished grade shall be per each.

7-12.5 Payment

Section 7-12.5 is supplemented with the following:

"Adjust Water Valve Box to Grade", per each.
The unit Contract price per each for "Adjust Water Valve Box to Grade" shall be full compensation to perform the Work as specified, including restoration of adjacent area directly surrounding the water valve box.

"Adjust Water Meter Box to Grade", per each.
The unit Contract price per each for "Adjust Water Meter Box to Grade" shall be full compensation to perform the Work as specified, including restoration of adjacent area directly surrounding the water meter box.

Payment will be made in accordance with Section 1-04.1 for the following bid items where shown in the bid proposal:

"12-Inch Gate Valve Assembly", per each

"Adjust Water Valve to Grade", per each.

Valve Assembly

The unit contract price for "12-Inch Gate Valve Assembly" shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for complete installation of the valve, valve marker posts, valve box, valve riser, water valve extension and all other necessary appurtenances. This does not include 6-inch gate valves installed as part of a Fire Hydrant Assembly, as those are paid under bid item Fire Hydrant Assembly. This does not include tapping gate valves installed as part of Connection A, as those are paid under bid item Connection A to Existing Water System (Live Tap).

The unit contract price per each for the valve specified shall be full compensation for all work to furnish and install the valve complete in place on the water main, including

trenching, jointing, blocking of valve, tracer wire, disinfecting, hydrostatic testing, painting valve box and marker post, and adjustment of valves to grade after the final paving operation. Furnishing and installing cathodic protection per City of Stanwood standard detail W-16 including, but not limited to, anode, bonding cable, welding, and preparation of fitting for weld shall also be included in the unit contract price. No additional compensation will be provided for adjustment of valves to grade. Payment of the valves shall be per each complete assembly installed.

Adjust Water Valve to Grade

There will be no payment for adjusting gas valve boxes to grade. The Contractor shall coordinate with utility Owner for payment.

The unit contract price per each for "Adjust Water Valve to Grade" shall be full compensation to perform the work as specified, including all labor, tools, equipment, and materials. This includes lowering the utility prior to paving, if elected to do so by the contractor, replacement of the existing box/lid, and temporary and final restoration of adjacent area directly surrounding the valve boxes.

7-14 HYDRANTS

7-14.1 Description

(******)

Section 7-14.1 is supplemented with the following:

Hydrants shall conform to City of Stanwood's standard details.

7-14.2 Materials

(******)

Section 7-14.2 is supplemented with the following:

All fire hydrants shall be approved by the National Board of Fire Underwriters and conform to City of Stanwood's standard details and AWWA Specifications C-502. The fire hydrants shall be Waterous Pacer, or approved equal. Hydrants shall come complete with Storz adapters. Hydrants shall be painted per City Standards with 2 coats of Kelly Moore DTM 5780 enamel – red and white.

One blue lane marker, Type 2, shall be installed at all fire hydrant locations. The marker shall be permanently adhered to the street pavement.

7-14.3 Construction Requirements

(******)

Section 7-14.3 is supplemented with the following:

Cathodic protection shall be installed per City of Stanwood standard detail W-16, section 7-09.3(26) of the special provisions, and all manufacturer's recommendations.

7-14.3(1) Setting Hydrants

(******)

Section 7-14.3(1) is supplemented with the following:

Storz adaptors shall be installed prior to making the new water main and hydrants active. The hydrant shall have a 3' minimum surrounding clearance for proper operation. The hydrant shall be set to proper grade and shall be tested for proper function.

Hydrants shall be installed in accordance with the City of Stanwood Standard Detail W-8.

7-14.4 Measurement

(******)

Section 7-14.4 is supplemented with the following:

Measurement of Fire Hydrant Assembly shall be per each.

7-14.5 Payment

(******)

Section 7-14.5 is supplemented with the following:

Payment will be made in accordance with Section 1-04.1 for the following bid item where shown in the bid proposal:

"Fire Hydrant Assembly", per each.

The unit contract price for "Fire Hydrant Assembly" shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for complete installation of fire hydrant assembly as shown on the Plans and specified herein including main line tee; 6-inch gate valve and fittings; 6-inch hydrant run, hydrant; Storz adapter; thrust blocking; washed rock and plastic or construction fabric; concrete block; concrete pad; all other necessary appurtenances; sawcutting; trench shoring, excavation and localized dewatering; maintenance, restoration, and relocation, if required, of culverts, storm drainage pipe, other utilities and structures; pressure and purity testing including temporary blow-offs necessary for testing; extra depth, including excavation, backfill and compaction required to clear buried utilities or other obstructions; placing, compacting, and maintaining temporary patches; installing new blue reflector on pavement, and fire hydrant painting. Furnishing and installing cathodic protection per City of Stanwood standard detail W-16 including, but not limited to, anode, bonding cable, welding, and preparation of fitting for weld shall also be included in the unit contract price. This bid item shall also constitute full compensation for all labor, materials, tools and equipment necessary and incidental for excavating, loading, hauling and disposing of material that is being replaced by foundation material as shown on the plans.

All imported backfill and compaction will be paid for under separate bid items. All necessary repairs and replacement of existing cement concrete curbs, gutters, sidewalks, and driveways will be paid for under the separate bid items.

7-15 SERVICE CONNECTIONS

7-15.1 Description

(******)

Section 7-15.1 is revised with the following:

This work consists of installing the service connection from the new water main to the customer's service line with fittings required to make a watertight connection. Adjustments to the existing meter location may be required as shown on the Plans. All piping and fittings required to make these adjustments shall be included in the bid item. All parts to be brass unless approved by the City of Stanwood Water Department Supervisor.

7-15.2 Materials

(******)

Section 7-15.2 is supplemented with the following:

Corporation Stops and Service Saddles

Service saddles shall be Romac 202S, or similar stainless steel saddle with a double stainless steel strap. Castings shall be high tensile ductile iron and shall meet the requirements of ASTM 536-80, and shall be protected with corrosion resistant paint. All bolts, nuts, and washers shall be stainless steel; all stainless steel shall be type 304 (13-8). Corporation stops shall be Ford 1101 with IPT inlet and IPSPE outlet grip joint, or approved equal.

7-15.3 Construction Requirements

(******)

Section 7-15.3 is supplemented with the following:

Construction of all new and replacement water service lines shall be in accordance with the details, as shown on the construction Plans, and as required by the General Notes. Water service lines from the main to the meter shall be installed with minimum 3' cover unless otherwise directed by the Engineer. The minimum cover requirement shall account for all proposed improvements included in the project including but not limited to drainage swales. The Contractor shall ensure that installed water services do not conflict with proposed storm culvert pipes. Service saddles must maintain a minimum 2 feet of separation along water main.

Each new water service line shall be properly tested, flushed, inspected and approved prior to being connected to its respective water meter.

A tracer wire, stripped eight (8) inches from the center of the water meter box, shall be installed for each service connection.

Conformance with Pre-Approved Plans

Existing water meters to be adjusted, reinstalled, or relocated per Plan or as directed by the Project Engineer shall be in conformance with City of Stanwood Standard Details.

Water Meters and Boxes

Water meter boxes shall be reused unless otherwise noted on the Drawings to replace with new. Meter boxes shall be set to grade—raised or lowered to the surrounding grade regardless of prior condition. Where the existing grade at the meter location is sloped, the meter box shall be set flush to match the slope. Meters shall be set between 6 inches and 10 inches below the meter box lid. Vertical adjustment of 12 inches or less may be made using a meter setter. If a meter setter will not raise the service to the appropriate grade, or if the meter is to be relocated, a new service connection shall be installed.

Water Meters and boxes shall have the customer side of meter re-plumbed with appropriate materials and related fittings (i.e., brass, copper, polyethylene or PVC rated at 200 psi) where existing meter setters were used or if a service is being relocated.

If the existing meter does not have a check valve installed on the customer side of the meter, a check valve shall not be installed when doing the connection.

If existing water meters are damaged during construction by the Contractor's activities the Contractor shall replace the water meter in coordination with the City at no additional cost to the City.

Abandoning Existing Service

Services that must be abandoned shall be cut and capped at the main. A brass plug shall be installed on the existing corporation stop. If the existing corporation stop is a "Hays" or "Mueller B machine", the corporation stop shall be removed from the main and a repair band installed.

Customer Side Reconnection

City of Stanwood Street and Utility Standards Section 4.130 and standard details shall apply.

New Water Service Line

Where the plans show installation of a new water service line that does not replace an existing water service all the requirements of these Specifications, the Plans, and City of Stanwood standard details shall apply except that no water meter shall be installed and no customer side reconnection shall be made to the water service line. The Contractor shall install the water meter setter so that it is protected until a water meter is installed and a customer service connection is made by others at a later date.

Bedding and Backfill

Water service lines shall be bedded and backfilled with crushed surfacing top course up to the bottom of the road section, concrete base, or landscaping as applicable.

The unit contract prices for “Replace Existing Water Service - Short Side”, and “Replace Existing Water Service - Long Side”, shall constitute full compensation for all labor, materials, tools and equipment necessary and incidental for replacing existing service lines continuous and un-spliced from the new main to the meter including connection to main as shown on the Plans using open trench or trenchless methods of installation (e.g. pushing, pulling, jacking or boring); removing, protecting, and reinstalling meters in new locations; washed rock; and abandoning existing service lines. Payment shall include removing existing meter boxes, and then furnishing and installing all new meter boxes and lids where shown on the Plans and in accordance with current City of Stanwood standards. Payment includes traffic-bearing meter boxes (in lieu of non-traffic bearing meter boxes) where shown on the plans, with type as shown on the Standard Detail and in accordance with current City of Stanwood standards. Payment includes customer-side water service line connections from the back of the new meter location to the existing service line at the back of the existing meter as shown on the plans. The only additional payment for this reconnection on the Customer side of the service shall be as detailed per the “Customer Side Reconnection Over 10 Feet” bid item.

All efforts shall be made to push or bore the long side service pipe, the cost of which shall be included in the bid price. No additional compensation will be made to open cut services except where specific bid items are included in this proposal.

New service lined installed for which there is no existing water service, as shown on the plans, shall also be paid under “Replace Existing Water Service – Short Side” and “Replace Existing Water Service – Long Side” bid items.

The unit contract prices shall also include pavement sawcutting, shoring and trench safety, removal and disposal; trench excavation; bore and receiving pit excavation; disposal of excess and/or unsuitable excavated material; tracer wire; placing, compacting, and maintaining temporary asphalt patch; testing; flushing; disinfection of the service connection; providing temporary water service to customers as needed; and notification of customers for service disruptions.

All imported backfill and compaction will be paid for under separate bid items. All necessary repairs and replacement of existing cement concrete curbs, gutters, sidewalks, and driveways will be paid for under their separate bid items.

The unit contract price for “Intercept Existing Water Service” shall be full pay for all material. Labor, and equipment, complete and in place, for all work to intercept existing service and connect to new main as shown on standard detail W-1. This includes but is not limited to excavation at old main, cutting service at old main, valve, adjusting valve can to grade, saddle, and corporation stop. If the Contractor damages the existing service and

intercept is not possible, no additional payment will be made for installation of new service line.

The unit contract price for "Customer Side Reconnection Over 10 Feet" shall constitute full payment for all labor, materials, tools, and equipment necessary and incidental for replacing the service line from 10 feet behind the new meter location to the reconnection point of the Customer's existing service line. The reconnection point may vary in location from the back of the existing meter to anywhere along the service line at the discretion of the Contracting Agency. Connection to the Customer's existing service line shall be paid for under the appropriate "Replace Existing Water Service - Short Side" or "Replace Existing Water Service – Long Side" bid item.

END OF DIVISION 7

Division 8
Miscellaneous Construction

8-01 Erosion Control and Water Pollution Control

8-01.1 Description

Section 8-01.1 is supplemented with the following:

This Work shall consist of implementing and maintaining a Stormwater Pollution Prevention Plan (SWPPP).

8-01.3 Construction Requirements

8-01.3(1) General

8-01.3(1)A Submittals

Section 8-01.3(1)A is supplemented with the following:

Prior to beginning Work, the Contractor shall implement and maintain a Stormwater Pollution Prevention Plan (SWPPP) as part of the Temporary Erosion Control Plan (TESC Plan), meeting the requirements of the 2005 Washington State Department of Ecology's *Stormwater Management Manual for Western Washington Volume II – Construction Stormwater Pollution Prevention*, and the Department of Ecology's *Construction Stormwater General Permit*. These documents are available here:

Stormwater Manual:
https://apps.ecology.wa.gov/publications/documents/0510029.pdf

General Permit:
http://www.ecy.wa.gov/programs/wq/Stormwater/construction/resourcesguidance.html

The Contractor shall obtain the Engineer's approval of the SWPPP implementation before any Work begins. The SWPPP shall cover all areas that the Contractor's Work may affect inside and outside the limits of the project, and shall include all necessary measures to comply with the approved SWPPP
The Contractor shall include a copy of the SWPPP document and subsequent SWPPP revisions made during the project in inspection documentation recorded by the ESC Lead.

8-01.5 Payment

Section 8-01.5 is supplemented with the following:

"Erosion Control and Water Pollution Prevention", per lump sum, shall also include all Work and materials necessary to develop and implement the SWPPP. All erosion control measures are included in "Erosion Control and Water Pollution Prevention", per lump sum, except as otherwise noted in the Contract Documents.

8-02 Roadside Restoration

8-02.3 Construction Requirements

8-02.3(17) Property Restoration

Section 8-02.3(17) is added as follows:

The Contractor must blend the new construction into developed private property adjacent to the project using similar materials to those existing, (e.g. seeding must be used to match into lawn areas, bark mulch must be used to match into planting areas, planting soil must be used to match into garden areas, etc.)

If the items used for the restoration have pay items in the Contract, they will be paid under those items.

If restoration of adjacent property requires use of materials that have no pay items, payment will be by force account under the item "Property Restoration."

The Contractor must repair and restore any existing irrigation system damaged by construction, as directed by Engineer.

The Contractor must verify, in the presence of the adjacent property owner and Engineer, operation, location, and existing water pressure capabilities and continuity of the existing private irrigation system prior to excavation and removal.

Property restoration shall consist of restoring existing landscape areas, walkways, retaining and fence support walls of various types, miscellaneous construction associated with adjacent private property restoration, including irrigation systems and roof downspout drains and outfalls, to their original condition, as directed by the Engineer.

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

"Property Restoration", by force account.

Payment for "Property Restoration" shall be by force account as described in Section 1-09.6 of the Standard Specifications and no other compensation will be allowed.

For the purpose of providing a common Bid Proposal for all Bidders and for that purpose only, the estimated cost of this Bid item has been arbitrarily entered in the Proposal to become part of the total Bid by the Contractor.

8-04 Curbs, Gutters, and Spillways

8-04.3 Construction Requirements

8-12 Chain Link , Wire Fence

8-12.1.1 Description

Add section 8-12.1.1 as follows:

Remove/Replace fence, and unless otherwise indicated on the plans: For chain link type fences, shall preserve the wire mesh for reuse if practicable. Barbed Wire and wire mesh is not to be reused, rather to be replaced in-kind. The clearing width shall be approximately 10 feet. For wire type fences and split-rail type fences, the clearing width shall be approximately 3 feet. Grubbing will not be required except where short and abrupt changes in the ground contour will necessitate removal of stumps in order to properly grade the fence line. All stumps within the clearing limits shall be removed or close cut.

Replace or reconstruct existing fence per plan in-kind with original installation including wire mesh, barbed wire, number of strands, electric fence wire and insulators.

8-12.2 Materials

Section 8-12.2 is supplemented with the following:
(September 8, 2020, WSDOT)

Coated Chain Link Fence

Chain link fence fabric shall be hot-dip galvanized with a minimum of 0.8 ounce per square foot of surface area.

Fencing materials shall be coated with an ultraviolet-insensitive plastic or other inert material at least 2 mils in thickness. Any pretreatment or coating shall be applied in accordance with the manufacturer's written instructions. The Contractor shall provide the Engineer with the manufacturer's written specifications detailing the product and method of fabrication. The color shall match SAE AMS Standard 595 color number *** 11 $$1$$ ***.
Samples of the coated fencing materials shall have received the Engineer's acceptance prior to installation on the project.

The Contractor shall supply the Engineer with *** 2 *** aerosol spray cans containing a minimum of 14 ounces each of paint of the color specified above. The touch-up paint shall be compatible with the coating system used.

8-12.4 Measurement

Section 8-12.4 is amended with the following:

Chain Link Fence Remove/Reset, Wire Fence Remove/Reset, Wire Fence with Mesh Remove/Reset, and Split-Rail Fence Remove/Reset will be measured by the linear foot along the line and slope at the base of the completed fence

"Chain Link Fence, Black Vinyl Coated, Installed ", will be measured per linear foot to include tools and labor as necessary to acquire and install vinyl coated galvanized products to include chain link fence, posts, caps, tension wires, fittings and hardware. Black vinyl coating per 9-16.4(2) and applied to posts, caps, fasteners and tension wires. Posts shall be per 9-16.6(3) and set in concrete.

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8-12.5 Payment

Section 8-12.5 is amended with the following

"Chain Link Fence Remove/Reset, __' ", per linear foot.

"Coated Chain Link Fence, 4ft", per linear foot

"Wire Fence Remove/Reset Type ___, __' ", per linear foot.

The unit contract price per linear foot for "Chain Link Fence Remove/Reset, __' ", "Wire Fence Remove/Reset Type ___, __ '", and "Split-Rail Fence Remove/Reset" shall be full payment for all costs for the specified Work including brace post installation and all other for specified work unless covered in a separate Bid Item in this section.

8-14 Cement Concrete Sidewalks

8-14.3 Construction Requirements

Section 8-14.3 is supplemented with the following:

(COS GSP)

The Contractor shall request a pre-construction meeting with the Engineer to be held two to five working days before the start of any work on cement concrete sidewalks, curb ramps, other pedestrian access routes, or within the traveled way or shoulders to discuss construction requirements. Those attending shall include:

1. The Contractor and subcontractor in charge of constructing forms, and placing, and finishing the cement concrete.

2. Engineer (or representative) and Project Inspectors for the cement concrete sidewalk, curb ramp or pedestrian access route Work.

Items to be discussed in this meeting shall include, at a minimum, the following:

1. Slopes shown on the Plans.

2. Inspection

3. Traffic control

4. Pedestrian control, access routes and delineation

5. Accommodating utilities

6. Form work

7. Installation of detectable warning surfaces

8. Contractor ADA survey and ADA Feature as-built requirements

9. Cold Weather Protection

(January 7, 2019 WSDOT GSP)

Timing Restrictions

Curb ramps shall be constructed on one leg of the intersection at a time. The curb ramps shall be completed and open to traffic within five calendar days before construction can begin on another leg of the intersection unless otherwise allowed by the Engineer.

Unless otherwise allowed by the Engineer, the five calendar day time restriction begins when an existing curb ramp for the quadrant or traffic island/median is closed to pedestrian use and ends when the quadrant or traffic island/median is fully functional and open for pedestrian access.

(January 7, 2019 WSDOT GSP)

Layout and Conformance to Grades

Using the information provided in the Contract documents, the Contractor shall lay out, grade, and form each new curb ramp, sidewalk, and curb and gutter.

8-14.3(3) Placing and Finishing Concrete

Section 8-14.3(3) is supplemented with the following:

Sidewalk and curb and gutter cannot be poured monolithically. An expansion joint will be required when concrete sidewalk is surrounded by other hard surfaces (for example driveways) or as directed by the Engineer.

8-14.3(6) Documentation

Section 8-14.3(6) is added as follows:

The Contractor shall perform as-constructed ADA compliance field checks for all new sidewalk and curb ramps constructed on the project and provide documentation to the Engineer for approval, certifying that all slopes along sidewalks and ramps meet the slope criteria set forth in the Plans and the PROWAG. The Contractor shall verify the

as-constructed slopes of the sidewalks and curb ramps with readings of a 4-foot long "smart level" placed along all fall lines of sidewalks and curb ramps, and include the readings in the provided documentation.

8-14.4 Measurement

Section 8-14.4 is replaced with the following:

Cement concrete curb ramps will be measured by the square yard of completed curb ramp installed including the installation of the detectable warning surface.

8-14.4 Measurement

Section 8-14.4 is replaced with the following:

The unit Contract price per square yard for "Cement Conc. Curb Ramp Type _____" shall be full pay for installing the curb ramp as specified, including the installation of the detectable warning surface.

Payment for "Cement Conc. Sidewalk", and "Cement Conc. Curb Ramp Type ___" as specified, shall be contingent upon finished concrete meeting the requirements as detailed in the Plans, including, but not limited to all slopes, lines, grades, widths, and lengths in compliance with the Contract documents. All Work not in compliance with the Contract documents shall be considered defective and shall be removed and replaced solely at the Contractor's expense. At the discretion of the Engineer, any damage done to existing sidewalk or curb ramps noted to remain as a result of the Contractor's Work, shall be repaired to the satisfaction of the Engineer, at no additional expense to the Contracting Agency.

Payment for documentation requirements as specified shall be considered as incidental to the "Cement Conc. Sidewalk" and "Cement Conc. Curb Ramp Type ___" Bid items.

END OF DIVISION 8

Division 9
Materials

9-05.1 Drain Pipe

9-05.1(8) Trench Drain

Add section 9-05.1(8) as follows:

Trench drains shall be rated for commercial use, have Class C Ductile Iron Grates, must be encased in concrete, have a 6" minimum width channel, and have 4" minimum diameter outlets. Trench Drains must be installed per manufacturer's instructions and as otherwise noted on the approved plans.

END OF DIVISION 9

Appendices
(January 2, 2012)

The following appendices are attached and made a part of this contract:

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APPENDIX A:
Prevailing Wage Rates

APPENDIX A
WASHINGTON STATE PREVAILING WAGE RATES FOR SNOHOMISH COUNTY

Prevailing wage rates for this project area and size can be found at the Washington State Department of Bureau of Labor Industries or on the internet at:

https://secure.lni.wa.gov/wagelookup/

County	Trade	Job Classification	Wage	Holiday	Overtime	Notes
Snohomish	Asbestos Abatement Workers	Journey Level	$67.39	5D	1H	
Snohomish	Boilermakers	Journey Level	$80.89	5N	1C	
Snohomish	Brick Mason	Journey Level	$76.07	7E	1N	
Snohomish	Brick Mason	Pointer-Caulker-Cleaner	$76.07	7E	1N	
Snohomish	Building Service Employees	Janitor	$17.13			1
Snohomish	Building Service Employees	Shampooer	$17.13			1
Snohomish	Building Service Employees	Waxer	$17.13			1
Snohomish	Building Service Employees	Window Cleaner	$17.13			1
Snohomish	Cabinet Makers (In Shop)	Journey Level	$27.33	5C	2M	
Snohomish	Carpenters	Acoustical Worker	$83.21	15J	11U	
Snohomish	Carpenters	Bridge Dock and Wharf Carpenter	$84.81	15J	11U	9L
Snohomish	Carpenters	Floor Layer & Floor Finisher	$83.21	15J	11U	
Snohomish	Carpenters	General Carpenter	$83.21	15J	11U	
Snohomish	Carpenters	Scaffold Erector	$83.21	15J	11U	
Snohomish	Cement Masons	Application of all Composition Mastic	$81.87	15J	4U	
Snohomish	Cement Masons	Application of all Epoxy Material	$81.36	15J	4U	
Snohomish	Cement Masons	Application of all Plastic Material	$81.87	15J	4U	
Snohomish	Cement Masons	Application of Sealing Compound	$81.36	15J	4U	
Snohomish	Cement Masons	Application of Underlayment	$81.87	15J	4U	
Snohomish	Cement Masons	Building General	$81.36	15J	4U	
Snohomish	Cement Masons	Composition or Kalman Floors	$81.87	15J	4U	
Snohomish	Cement Masons	Concrete Paving	$81.36	15J	4U	
Snohomish	Cement Masons	Curb & Gutter Machine	$81.87	15J	4U	
Snohomish	Cement Masons	Curb & Gutter, Sidewalks	$81.36	15J	4U	
Snohomish	Cement Masons	Curing Concrete	$81.36	15J	4U	
Snohomish	Cement Masons	Finish Colored Concrete	$81.87	15J	4U	
Snohomish	Cement Masons	Floor Grinding	$81.87	15J	4U	
Snohomish	Cement Masons	Floor Grinding/Polisher	$81.36	15J	4U	
Snohomish	Cement Masons	Green Concrete Saw, self-powered	$81.87	15J	4U	
Snohomish	Cement Masons	Grouting of all Plates	$81.36	15J	4U	
Snohomish	Cement Masons	Grouting of all Tilt-up Panels	$81.36	15J	4U	
Snohomish	Cement Masons	Gunite Nozzleman	$81.87	15J	4U	
Snohomish	Cement Masons	Hand Powered Grinder	$81.87	15J	4U	
Snohomish	Cement Masons	Journey Level	$81.36	15J	4U	

Snohomish	Cement Masons	Patching Concrete	$81.36	15J	4U	
Snohomish	Cement Masons	Pneumatic Power Tools	$81.87	15J	4U	
Snohomish	Cement Masons	Power Chipping & Brushing	$81.87	15J	4U	
Snohomish	Cement Masons	Sand Blasting Architectural Finish	$81.87	15J	4U	
Snohomish	Cement Masons	Screed & Rodding Machine	$81.87	15J	4U	
Snohomish	Cement Masons	Spackling or Skim Coat Concrete	$81.36	15J	4U	
Snohomish	Cement Masons	Troweling Machine Operator	$81.87	15J	4U	
Snohomish	Cement Masons	Troweling Machine Operator on Colored Slabs	$81.87	15J	4U	
Snohomish	Cement Masons	Tunnel Workers	$81.87	15J	4U	
Snohomish	Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$144.72	15J	11T	9I
Snohomish	Divers & Tenders	Dive Supervisor	$146.22	15J	11T	9I
Snohomish	Divers & Tenders	Diver	$144.72	15J	11T	9I
Snohomish	Divers & Tenders	Diver Tender	$91.05	15J	11T	9I
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$114.73	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01-44.00 PSI	$124.28	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$133.82	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$143.37	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$152.91	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$162.46	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$172.00	15J	11U	
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$181.55	15J	11U	

		Hyperbaric Worker - Compressed Air Worker					
Snohomish	Divers & Tenders	72.01 - 74.00 PSI	$191.09	15J	11U		
Snohomish	Divers & Tenders	Lead Diver (Dive Master)	$105.51	15J	11T	9I	
Snohomish	Divers & Tenders	Manifold Operator (Life Support Technician)	$96.05	15J	11U	9I	
Snohomish	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$91.05	15J	11T	9I	
Snohomish	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$91.05	15J	11U	9I	
Snohomish	Divers & Tenders	Remote Operated Vehicle Tender	$84.75	15J	11T	9I	
Snohomish	Divers & Tenders	Stand-by Diver	$100.51	15J	11T	9I	
Snohomish	Dredge Workers	Assistant Engineer	$89.47	5D	3F		
Snohomish	Dredge Workers	Assistant Mate (Deckhand)	$88.78	5D	3F		
Snohomish	Dredge Workers	Boatmen	$89.47	5D	3F		
Snohomish	Dredge Workers	Engineer Welder	$91.20	5D	3F		
Snohomish	Dredge Workers	Leverman, Hydraulic	$93.03	5D	3F		
Snohomish	Dredge Workers	Mates	$89.47	5D	3F		
Snohomish	Dredge Workers	Oiler	$88.78	5D	3F		
Snohomish	Drywall Applicator	Journey Level	$81.71	15O	11S		
Snohomish	Drywall Tapers	Journey Level	$81.71	15O	11S		
Snohomish	Electrical Fixture Maintenance Workers	Journey Level	$17.13			1	
Snohomish	Electricians - Inside	Cable Splicer	$100.52	7H	1E		
Snohomish	Electricians - Inside	Construction Stock Person	$48.08	7H	1D		
Snohomish	Electricians - Inside	Journey Level	$94.06	7H	1E		
Snohomish	Electricians - Motor Shop	Craftsman	$17.13			1	
Snohomish	Electricians - Motor Shop	Journey Level	$17.13			1	
Snohomish	Electricians - Powerline Construction	Cable Splicer	$102.42	5A	4D		
Snohomish	Electricians - Powerline Construction	Certified Line Welder	$93.99	5A	4D		
Snohomish	Electricians - Powerline Construction	Groundperson	$59.30	5A	4D		
Snohomish	Electricians - Powerline Construction	Heavy Line Equipment Operator	$93.99	5A	4D		
Snohomish	Electricians - Powerline Construction	Journey Level Lineperson	$93.99	5A	4D		
Snohomish	Electricians - Powerline Construction	Line Equipment Operator	$80.96	5A	4D		
Snohomish	Electricians - Powerline Construction	Meter Installer	$59.30	5A	4D	8W	
Snohomish	Electricians - Powerline Construction	Pole Sprayer	$93.99	5A	4D		

Snohomish	Electricians - Powerline Construction	Powderperson	$69.84	5A	4D		
Snohomish	Electronic Technicians	Electronic Technicians Journey Level	$62.05	5B	1B		
Snohomish	Elevator Constructors	Mechanic	$115.14	7D	4A		
Snohomish	Elevator Constructors	Mechanic In Charge	$124.53	7D	4A		
Snohomish	Fabricated Precast Concrete Products	Journey Level	$17.13			1	
Snohomish	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$17.13			1	
Snohomish	Fence Erectors	Fence Erector	$57.66	15J	11P		8Y
Snohomish	Fence Erectors	Fence Laborer	$57.66	15J	11P		8Y
Snohomish	Flaggers	Journey Level	$57.66	15J	11P		8Y
Snohomish	Glaziers	Journey Level	$85.16	7L	1Y		
Snohomish	Heat & Frost Insulators And Asbestos Workers	Journey Level	$96.42	15H	11C		
Snohomish	Heating Equipment Mechanics	Journey Level	$105.42	7F	1E		
Snohomish	Hod Carriers & Mason Tenders	Journey Level	$71.09	15J	11P		8Y
Snohomish	Industrial Power Vacuum Cleaner	Journey Level	$17.13			1	
Snohomish	Inland Boatmen	Boat Operator	$71.28	5B	1K		
Snohomish	Inland Boatmen	Cook	$69.70	5B	1K		
Snohomish	Inland Boatmen	Deckhand	$70.00	5B	1K		
Snohomish	Inland Boatmen	Deckhand Engineer	$69.55	5B	1K		
Snohomish	Inland Boatmen	Launch Operator	$71.23	5B	1K		
Snohomish	Inland Boatmen	Mate	$89.12	5B	1K		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$54.56	15M	11O		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$54.56	15M	11O		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$54.56	15M	11O		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$52.40	15M	11O		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$45.97	15M	11O		
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$49.20	15M	11O		

Snohomish	Insulation Applicators	Journey Level	$83.21	15J	11U	
Snohomish	Ironworkers	Journeyman	$92.82	15K	11N	
Snohomish	Laborers	Air, Gas Or Electric Vibrating Screed	$67.39	15J	11P	8Y
Snohomish	Laborers	Airtrac Drill Operator	$69.37	15J	11P	8Y
Snohomish	Laborers	Ballast Regular Machine	$67.39	15J	11P	8Y
Snohomish	Laborers	Batch Weighman	$57.66	15J	11P	8Y
Snohomish	Laborers	Brick Pavers	$67.39	15J	11P	8Y
Snohomish	Laborers	Brush Cutter	$67.39	15J	11P	8Y
Snohomish	Laborers	Brush Hog Feeder	$67.39	15J	11P	8Y
Snohomish	Laborers	Burner	$67.39	15J	11P	8Y
Snohomish	Laborers	Caisson Worker	$69.37	15J	11P	8Y
Snohomish	Laborers	Carpenter Tender	$67.39	15J	11P	8Y
Snohomish	Laborers	Cement Dumper-paving	$69.37	15J	11P	8Y
Snohomish	Laborers	Cement Finisher Tender	$67.39	15J	11P	8Y
Snohomish	Laborers	Change House Or Dry Shack	$67.39	15J	11P	8Y
Snohomish	Laborers	Chipping Gun (30 Lbs. And Over)	$68.56	15J	11P	8Y
Snohomish	Laborers	Chipping Gun (Under 30 Lbs.)	$67.39	15J	11P	8Y
Snohomish	Laborers	Choker Setter	$67.39	15J	11P	8Y
Snohomish	Laborers	Chuck Tender	$67.39	15J	11P	8Y
Snohomish	Laborers	Clary Power Spreader	$68.56	15J	11P	8Y
Snohomish	Laborers	Clean-up Laborer	$67.39	15J	11P	8Y
Snohomish	Laborers	Concrete Dumper/Chute Operator	$69.37	15J	11P	8Y
Snohomish	Laborers	Concrete Form Stripper	$67.39	15J	11P	8Y
Snohomish	Laborers	Concrete Placement Crew	$69.37	15J	11P	8Y
Snohomish	Laborers	Concrete Saw Operator/Core Driller	$68.56	15J	11P	8Y
Snohomish	Laborers	Crusher Feeder	$57.66	15J	11P	8Y
Snohomish	Laborers	Curing Laborer	$67.39	15J	11P	8Y
Snohomish	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$67.39	15J	11P	8Y
Snohomish	Laborers	Ditch Digger	$67.39	15J	11P	8Y
Snohomish	Laborers	Diver	$69.37	15J	11P	8Y
Snohomish	Laborers	Drill Operator (Hydraulic, Diamond)	$68.56	15J	11P	8Y
Snohomish	Laborers	Dry Stack Walls	$67.39	15J	11P	8Y
Snohomish	Laborers	Dump Person	$67.39	15J	11P	8Y
Snohomish	Laborers	Epoxy Technician	$67.39	15J	11P	8Y
Snohomish	Laborers	Erosion Control Worker	$67.39	15J	11P	8Y
Snohomish	Laborers	Faller & Bucker Chain Saw	$68.56	15J	11P	8Y
Snohomish	Laborers	Fine Graders	$67.39	15J	11P	8Y

Snohomish	Laborers	Firewatch	$57.66	15J	11P	8Y
Snohomish	Laborers	Form Setter	$69.37	15J	11P	8Y
Snohomish	Laborers	Gabian Basket Builders	$67.39	15J	11P	8Y
Snohomish	Laborers	General Laborer	$67.39	15J	11P	8Y
Snohomish	Laborers	Grade Checker & Transit Person	$71.09	15J	11P	8Y
Snohomish	Laborers	Grinders	$67.39	15J	11P	8Y
Snohomish	Laborers	Grout Machine Tender	$67.39	15J	11P	8Y
Snohomish	Laborers	Groutmen (Pressure) Including Post Tension Beams	$68.56	15J	11P	8Y
Snohomish	Laborers	Guardrail Erector	$67.39	15J	11P	8Y
Snohomish	Laborers	Hazardous Waste Worker (Level A)	$69.37	15J	11P	8Y
Snohomish	Laborers	Hazardous Waste Worker (Level B)	$68.56	15J	11P	8Y
Snohomish	Laborers	Hazardous Waste Worker (Level C)	$67.39	15J	11P	8Y
Snohomish	Laborers	High Scaler	$69.37	15J	11P	8Y
Snohomish	Laborers	Jackhammer	$68.56	15J	11P	8Y
Snohomish	Laborers	Laserbeam Operator	$68.56	15J	11P	8Y
Snohomish	Laborers	Maintenance Person	$67.39	15J	11P	8Y
Snohomish	Laborers	Manhole Builder-Mudman	$68.56	15J	11P	8Y
Snohomish	Laborers	Material Yard Person	$67.39	15J	11P	8Y
Snohomish	Laborers	Mold Abatement Worker	$67.39	15J	11P	8Y
Snohomish	Laborers	Motorman-Dinky Locomotive	$71.19	15J	11P	8Y
Snohomish	Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$71.09	15J	11P	8Y
Snohomish	Laborers	Pavement Breaker	$68.56	15J	11P	8Y
Snohomish	Laborers	Pilot Car	$57.66	15J	11P	8Y
Snohomish	Laborers	Pipe Layer (Lead)	$71.09	15J	11P	8Y
Snohomish	Laborers	Pipe Layer/Tailor	$68.56	15J	11P	8Y
Snohomish	Laborers	Pipe Pot Tender	$68.56	15J	11P	8Y
Snohomish	Laborers	Pipe Reliner	$68.56	15J	11P	8Y
Snohomish	Laborers	Pipe Wrapper	$68.56	15J	11P	8Y
Snohomish	Laborers	Pot Tender	$67.39	15J	11P	8Y
Snohomish	Laborers	Powderman	$69.37	15J	11P	8Y
Snohomish	Laborers	Powderman's Helper	$67.39	15J	11P	8Y
Snohomish	Laborers	Power Jacks	$68.56	15J	11P	8Y

Snohomish	Laborers	Power Washer	$67.39	15J	11P	8Y
Snohomish	Laborers	Railroad Spike Puller - Power	$68.56	15J	11P	8Y
Snohomish	Laborers	Raker - Asphalt	$71.09	15J	11P	8Y
Snohomish	Laborers	Re-timberman	$69.37	15J	11P	8Y
Snohomish	Laborers	Remote Equipment Operator	$68.56	15J	11P	8Y
Snohomish	Laborers	Rigger/Signal Person	$68.56	15J	11P	8Y
Snohomish	Laborers	Rip Rap Person	$67.39	15J	11P	8Y
Snohomish	Laborers	Rivet Buster	$68.56	15J	11P	8Y
Snohomish	Laborers	Rodder	$69.37	15J	11P	8Y
Snohomish	Laborers	Scaffold Erector	$67.39	15J	11P	8Y
Snohomish	Laborers	Scale Person	$67.39	15J	11P	8Y
Snohomish	Laborers	Sloper (Over 20)"	$68.56	15J	11P	8Y
Snohomish	Laborers	Sloper Sprayer	$67.39	15J	11P	8Y
Snohomish	Laborers	Spreader (Concrete)	$69.37	15J	11P	8Y
Snohomish	Laborers	Stake Hopper	$67.39	15J	11P	8Y
Snohomish	Laborers	Stock Piler	$67.39	15J	11P	8Y
Snohomish	Laborers	Swinging Stage/Boatswain Chair	$57.66	15J	11P	8Y
Snohomish	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$68.56	15J	11P	8Y
Snohomish	Laborers	Tamper (Multiple & Self-propelled)	$68.56	15J	11P	8Y
Snohomish	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$68.56	15J	11P	8Y
Snohomish	Laborers	Toolroom Person (at Jobsite)	$67.39	15J	11P	8Y
Snohomish	Laborers	Topper	$67.39	15J	11P	8Y
Snohomish	Laborers	Track Laborer	$67.39	15J	11P	8Y
Snohomish	Laborers	Track Liner (Power)	$68.56	15J	11P	8Y
Snohomish	Laborers	Traffic Control Laborer	$61.41	15J	11P	9C
Snohomish	Laborers	Traffic Control Supervisor	$64.86	15J	11P	9C
Snohomish	Laborers	Truck Spotter	$67.39	15J	11P	8Y
Snohomish	Laborers	Tugger Operator	$68.56	15J	11P	8Y
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$225.32	15J	11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$230.35	15J	11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$234.03	15J	11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$239.73	15J	11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$241.85	15J	11P	9B

Snohomish	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$246.95	15J		11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$248.85	15J		11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$250.85	15J		11P	9B
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$252.85	15J		11P	9B
Snohomish	Laborers	Tunnel Work-Guage and Lock Tender	$71.19	15J		11P	8Y
Snohomish	Laborers	Tunnel Work-Miner	$71.19	15J		11P	8Y
Snohomish	Laborers	Vibrator	$69.37	15J		11P	8Y
Snohomish	Laborers	Vinyl Seamer	$67.39	15J		11P	8Y
Snohomish	Laborers	Watchman	$52.73	15J		11P	8Y
Snohomish	Laborers	Welder	$68.56	15J		11P	8Y
Snohomish	Laborers	Well Point Laborer	$68.56	15J		11P	8Y
Snohomish	Laborers	Window Washer/Cleaner	$52.73	15J		11P	8Y
Snohomish	Laborers - Underground Sewer & Water	General Laborer & Topman	$67.39	15J		11P	8Y
Snohomish	Laborers - Underground Sewer & Water	Pipe Layer	$68.56	15J		11P	8Y
Snohomish	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$52.73	15J		11P	8Y
Snohomish	Landscape Construction	Landscape Operator	$90.81	15J		11G	8X
Snohomish	Landscape Maintenance	Groundskeeper	$17.13				1
Snohomish	Lathers	Journey Level	$81.71	15O		11S	
Snohomish	Marble Setters	Journey Level	$76.07	7E		1N	
Snohomish	Metal Fabrication (In Shop)	Journey Level	$37.56		0	11D	
Snohomish	Millwright	Journey Level	$80.28	15J		4C	
Snohomish	Modular Buildings	Journey Level	$17.13				1
Snohomish	Painters	Journey Level	$56.09	6Z		11J	
Snohomish	Pile Driver	Crew Tender	$80.50	15J		11U	9L
Snohomish	Pile Driver	Journey Level	$84.81	15J		11U	
Snohomish	Plasterers	Journey Level	$78.60	7Q		1R	
Snohomish	Plasterers	Nozzleman	$82.70	7Q		1R	
Snohomish	Playground & Park Equipment Installers	Journey Level	$17.13				1
Snohomish	Plumbers & Pipefitters	Journey Level	$95.37	5A		1G	
Snohomish	Power Equipment Operators	Asphalt Plant Operators	$93.36	15J		11G	8X
Snohomish	Power Equipment Operators	Assistant Engineer	$87.77	15J		11G	8X
Snohomish	Power Equipment Operators	Barrier Machine (zipper)	$92.52	15J		11G	8X
Snohomish	Power Equipment Operators	Batch Plant Operator: concrete	$92.52	15J		11G	8X
Snohomish	Power Equipment Operators	Boat Operator	$91.73	7A		11H	8X
Snohomish	Power Equipment Operators	Bobcat	$87.77	15J		11G	8X

Snohomish	Power Equipment Operators	Brokk - Remote Demolition Equipment	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Brooms	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Bump Cutter	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Cableways	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Chipper	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Compressor	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Concrete Finish Machine - Laser Screed	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Conveyors	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Cranes Friction: 200 tons and over	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes, A-frame: 10 tons and under	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators	tons, or 250' of boom including jib with attachments	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators	Crusher	$92.52	15J	11G	8X

Snohomish	Power Equipment Operators	Deck Engineer/Deck Winches (power)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Derricks, On Building Work	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators	Dozers D-9 & Under	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Drilling Machine	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Gradechecker/Stakeman	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Guardrail Punch	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Horizontal/Directional Drill Locator	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Horizontal/Directional Drill Operator	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators	Leverman	$95.28	15J	11G	8X
Snohomish	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Loaders, Plant Feed	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Loaders: Elevating Type Belt	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Locomotives, All	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Material Transfer Device	$92.52	15J	11G	8X

Snohomish	Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators	Motor Patrol Graders	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators	Overhead, bridge type: 100 tons and over	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators	Pavement Breaker	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Posthole Digger, Mechanical	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Power Plant	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Pumps - Water	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Rigger and Bellman	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators	Rollagon	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Roller, Other Than Plant Mix	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Roto-mill, Roto-grinder	$92.52	15J	11G	8X

Snohomish	Power Equipment Operators	Saws - Concrete	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Scrapers - Concrete & Carry All	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Service Engineers: Equipment	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Shotcrete/Gunite Equipment	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$95.28	15J	11G	8X
Snohomish	Power Equipment Operators	Slipform Pavers	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Spreader, Topsider & Screedman	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Subgrader Trimmer	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Tower Bucket Elevators	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators	Tower crane: up to 175' in height base to boom	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators	Transporters, All Track Or Truck Type	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Trenching Machines	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$90.55	7A	11H	8X

Snohomish	Power Equipment Operators	Truck Mount Portable Conveyor	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators	Welder	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators	Wheel Tractors, Farmall Type	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators	Yo Yo Pay Dozer	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Boat Operator	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Bobcat	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Brooms	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cableways	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Chipper	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Compressor	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Conveyors	$90.81	15J	11G	8X

Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	tons, or 250' of boom including jib with attachments	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Crusher	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$87.77	15J	11G	8X

Snohomish	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Gradechecker/Stakeman	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Locator	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Operator	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Leverman	$95.28	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$87.77	15J	11G	8X

Snohomish	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$91.73	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Power Plant	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	$86.60	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rollagon	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$92.52	15J	11G	8X

Snohomish	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	$87.77	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$94.30	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$95.28	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$92.52	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$93.95	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$92.98	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$94.85	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$93.36	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$90.81	15J	11G	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$91.25	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$90.55	7A	11H	8X
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$92.52	15J	11G	8X

Snohomish	Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$92.52	15J	11G	8X	
Snohomish	Power Equipment Operators-Underground Sewer & Water	Welder	$93.36	15J	11G	8X	
Snohomish	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$87.77	15J	11G	8X	
Snohomish	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$92.52	15J	11G	8X	
Snohomish	Power Line Clearance Tree Trimmers	Journey Level In Charge	$65.20	5A	4A		
Snohomish	Power Line Clearance Tree Trimmers	Spray Person	$61.74	5A	4A		
Snohomish	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$65.00	5A	4A		
Snohomish	Power Line Clearance Tree Trimmers	Tree Trimmer	$58.29	5A	4A		
Snohomish	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$43.05	5A	4A		
Snohomish	Refrigeration & Air Conditioning Mechanics	Journey Level	$100.71	5A	1G		
Snohomish	Residential Brick Mason	Journey Level	$22.73			1	
Snohomish	Residential Carpenters	Journey Level	$37.17			1	
Snohomish	Residential Cement Masons	Journey Level	$81.36	15J	4U		
Snohomish	Residential Drywall Applicators	Journey Level	$51.52	15J	4C		
Snohomish	Residential Drywall Tapers	Journey Level	$77.66	5P	1E		
Snohomish	Residential Electricians	Journey Level	$48.80			1	
Snohomish	Residential Glaziers	Journey Level	$33.75			1	
Snohomish	Residential Insulation Applicators	Journey Level	$37.07			1	
Snohomish	Residential Laborers	Journey Level	$28.78			1	
Snohomish	Residential Marble Setters	Journey Level	$39.71			1	
Snohomish	Residential Painters	Journey Level	$30.60			1	
Snohomish	Residential Plumbers & Pipefitters	Journey Level	$51.38			1	
Snohomish	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$105.42	7F	1E		
Snohomish	Residential Sheet Metal Workers	Journey Level	$105.42	7F	1E		
Snohomish	Residential Soft Floor Layers	Journey Level	$49.91	15J	4C		
Snohomish	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$61.85			1	
Snohomish	Residential Stone Masons	Journey Level	$39.71			1	
Snohomish	Residential Terrazzo Workers	Journey Level	$17.13			1	
Snohomish	Residential Terrazzo/Tile Finishers	Journey Level	$27.90			1	

Snohomish	Residential Tile Setters	Journey Level	$21.38			1
Snohomish	Roofers	Journey Level	$67.45	5A	3H	
Snohomish	Roofers	Using Irritable Bituminous Materials	$70.45	5A	3H	
Snohomish	Sheet Metal Workers	Journey Level (Field or Shop)	$105.42	7F	1E	
Snohomish	Shipbuilding & Ship Repair	New Construction Boilermaker	$61.07	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Crane Operator	$44.29	7V		1
Snohomish	Shipbuilding & Ship Repair	New Construction Electrician	$61.12	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$96.42	15H	11C	
Snohomish	Shipbuilding & Ship Repair	New Construction Laborer	$60.73	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Machinist	$60.93	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Operating Engineer	$44.29	7V		1
Snohomish	Shipbuilding & Ship Repair	New Construction Painter	$60.93	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Pipefitter	$61.21	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Rigger	$61.07	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Sheet Metal	$60.94	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	7X	4J	
Snohomish	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$44.29	7V		1
Snohomish	Shipbuilding & Ship Repair	New Construction Welder / Burner	$61.07	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Boilermaker	$61.07	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	7Y	4K	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Electrician	$61.12	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$96.42	15H	11C	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Laborer	$60.73	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Machinist	$60.93	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	7Y	4K	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Painter	$60.93	7X	4J	
Snohomish	Shipbuilding & Ship Repair	Ship Repair Pipefitter	$61.21	7X	4J	

Snohomish	Shipbuilding & Ship Repair	Ship Repair Rigger	$61.07	7X	4J		
Snohomish	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$60.94	7X	4J		
Snohomish	Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	7X	4J		
Snohomish	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	7Y	4K		
Snohomish	Sign Makers & Installers (Electrical)	Sign Installer	$26.56			1	
Snohomish	Sign Makers & Installers (Electrical)	Sign Maker	$20.50			1	
Snohomish	Sign Makers & Installers (Non-Electrical)	Sign Installer	$22.56			1	
Snohomish	Sign Makers & Installers (Non-Electrical)	Sign Maker	$20.50			1	
Snohomish	Soft Floor Layers	Journey Level	$63.29	15J	4C		
Snohomish	Solar Controls For Windows	Journey Level	$17.13			1	
Snohomish	Sprinkler Fitters (Fire Protection)	Journey Level	$103.19	5C	1X		
Snohomish	Stage Rigging Mechanics (Non Structural)	Journey Level	$17.13			1	
Snohomish	Stone Masons	Journey Level	$76.07	7E	1N		
Snohomish	Street And Parking Lot Sweeper Workers	Journey Level	$17.13			1	
Snohomish	Surveyors	Assistant Construction Site Surveyor	$90.55	7A	11H	8X	
Snohomish	Surveyors	Chainman	$86.60	7A	11H	8X	
Snohomish	Surveyors	Construction Site Surveyor	$91.73	7A	11H	8X	
Snohomish	Surveyors	Drone Operator (when used in conjunction with survey work only)	$86.60	7A	11H	8X	
Snohomish	Surveyors	Ground Penetrating Radar Operator	$86.60	7A	11H	8X	
Snohomish	Telecommunication Technicians	Telecom Technician Journey Level	$62.05	5B	1B		
Snohomish	Telephone Line Construction - Outside	Cable Splicer	$42.62	5A	2B		
Snohomish	Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.97	5A	2B		
Snohomish	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$35.60	5A	2B		
Snohomish	Telephone Line Construction - Outside	Telephone Lineperson	$40.28	5A	2B		
Snohomish	Terrazzo Workers	Journey Level	$70.61	7E	1N		
Snohomish	Tile Setters	Journey Level	$68.61	7E	1N		
Snohomish	Tile, Marble & Terrazzo Finishers	Finisher	$59.44	7E	1N		

Snohomish	Traffic Control Stripers	All cleanup required in connection with traffic control stripers work (Group 1)	$95.41	15L	1K
Snohomish	Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	$62.69	15L	1K
Snohomish	Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	$62.69	15L	1K
Snohomish	Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices (Group 2)	$62.69	15L	1K
Snohomish	Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	$95.41	15L	1K
Snohomish	Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	$95.41	15L	1K
Snohomish	Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	$62.69	15L	1K
Snohomish	Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	$62.69	15L	1K
Snohomish	Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	$95.41	15L	1K
Snohomish	Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	$95.41	15L	1K

Snohomish	Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	$62.69	15L	1K	
Snohomish	Truck Drivers	Asphalt Mix Over 16 Yards	$82.95	15J	11M	8L
Snohomish	Truck Drivers	Asphalt Mix To 16 Yards	$82.11	15J	11M	8L
Snohomish	Truck Drivers	Dump Truck	$82.11	15J	11M	8L
Snohomish	Truck Drivers	Dump Truck & Trailer	$82.95	15J	11M	8L
Snohomish	Truck Drivers	Other Trucks	$82.95	15J	11M	8L
Snohomish	Truck Drivers - Ready Mix	Transit Mix	$82.95	15J	11M	8L
Snohomish	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.13			1
Snohomish	Well Drillers & Irrigation Pump Installers	Oiler	$17.13			1
Snohomish	Well Drillers & Irrigation Pump Installers	Well Driller	$19.01			1