Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

PUBLIC WORKS CONTRACT
FOR
CLARK PLACE SEWER REPAIR

THIS PUBLIC WORKS CONTRACT ("Contract") is dated effective this 29th day of October, 20 26 and is made by and between the City of Tumwater, a Washington municipal corporation ("City or Owner"), and Black Hills Excavating, a S corporation ("Contractor").

A. The City desires to retain an independent contractor to furnish all labor and materials necessary to perform work necessary to complete the **Clark Place Sewer Repair** project; and

B. The Contractor has the requisite skill and experience to perform such work.

NOW, THEREFORE, the parties ("Parties") agree to the following terms and conditions:

1. SERVICES BY CONTRACTOR

1.1 Description of Work. Contractor shall perform all work and furnish all tools, materials, supplies, equipment, labor and other items incidental thereto necessary for the construction and completion of the work, more particularly described as the **Clark Place Sewer Repair** project.

The Project includes, without limitation, **trenching, traffic control, construction of a new sewer main, abandonment of the existing failed sewer, replacement of existing side sewers and cleanouts, installation of new manholes, connections to existing manholes, bypass pumping, testing,** and other work; as shown on the Plans and as described in these Specifications, all in accordance with the Contract Documents ("Work").

Work shall be performed and completed as described in the Contract Documents, which include without limitation:

- This Contract;
- Attachment A — Fee Schedule;
- Exhibit A — Notice of Completion of Public Works Contract;
- Exhibit B — Contract Change Order Agreement;
- Exhibit C — Certificate(s) of Insurance Form;
- Exhibit D — City of Tumwater Performance/Payment Bond;
- Exhibit E — Declaration of Option for Management of Statutory Retained Percentage;
- Special Provisions;
- Appendix A — State Prevailing Wage Rates, Supplemental to Wages, and Benefit Code Key;
- 2026 *WSDOT Standard Plans and Details for Road, Bridge and Municipal Construction;*
- 2026 *WSDOT Standard Specifications for Road, Bridge and Municipal Construction* ("Standard Specifications");

and shall be incorporated herein by this reference (collectively the "Contract Documents"). Work shall be completed to the City's satisfaction, within the time

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

period prescribed by the City and pursuant to the direction of the City Administrator or his or her designee.

1.2 Completion Date

The Work shall be physically completed within **fourteen (14)** working days.

The Work shall commence within ten (10) days of the issuance by the City of the Notice to Proceed. In the event the Work is not substantially completed within the time specified, Contractor agrees to pay to the City liquidated damages in the amount set forth in Section 1.3 of this Contract. The Work shall not be deemed physically completed until the City has accepted the Work and delivered a written Notice of Completion of Public Works Contract in the form attached hereto as Exhibit A.

1.3 Liquidated Damages. Time is of the essence of the Contract. Delays inconvenience the public and cost taxpayers undue sums of money, adding time needed for administration, inspection, and supervision. It is impractical for the City to calculate the actual cost of delays. Accordingly, the Contractor agrees:

(1) To pay liquidated damages for each working day beyond the number of working days established for completion, and

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

(3) To pay liquidated damages based on the following formula:

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 completion.

When the Work is completed to the extent that the City has full and unrestricted use and benefit of the facilities, both from an operational and safety standpoint, the City may determine the Work is complete. Liquidated damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of liquidated damages will, in any degree, release the Contractor from further obligations and liabilities to complete this entire Contract.

1.4 Performance Standard. Contractor shall perform the Work in a manner consistent with accepted practices for other properly licensed contractors.

1.5 Compliance with Laws. Contractor shall perform the Work in accordance with all applicable federal, state and City laws, including but not limited to all City ordinances, resolutions, standards or policies, as now existing or hereafter adopted or amended, and obtain all necessary permits and pay all permit, inspection or other fees, at its sole cost and expense.

1.6 Change Orders. The City may, at any time, without notice to sureties, order changes within the scope of the Work. Contractor agrees to fully perform any such alterations or additions to the Work. All such change orders shall be in the form of

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

the Contract Change Order Agreement attached hereto as Exhibit B, which shall be signed by both the Contractor and the City, shall specifically state the change of the Work, the completion date for such changed Work, and any increase or decrease in the compensation to be paid to Contractor as a result of such change in the Work. Oral change orders shall not be binding upon the City unless confirmed in writing by the City. If any change hereunder causes an increase or decrease in the Contractor's cost of, or time required for, the performance or any part of the Work under this Contract, an equitable adjustment will be made and the Contract modified in writing accordingly.

If the Contractor intends to assert a claim for an equitable adjustment hereunder, it shall, within five (5) days after receipt of a written change order from the City or after giving the written notice required above, as the case may be, submit to the City a written statement setting forth the general nature and monetary extent of such claim; provided the City, in its sole discretion, may extend such five (5) day submittal period upon request by the Contractor. The Contractor shall supply such supporting documents and analysis for the claims as the City may require to determine if the claims and costs have merit. No claim will be allowed for any costs incurred more than five (5) days before the Contractor gives written notice as required. No claim by the Contractor for an equitable adjustment hereunder will be allowed if asserted after final payment under this Contract.

1.7 Work and Materials Omitted. The Contractor shall, when directed in writing by the City, omit work, services and materials to be furnished under the Contract and the value of the omitted work and materials will be deducted from the Total Compensation, and the delivery schedule will be reviewed if appropriate. The value of the omitted work, services and materials will be a lump sum or unit price, as mutually agreed upon in writing by the Contractor and the City. If the parties cannot agree on an appropriate deduction, the City reserves the right to issue a unilateral change order adjusting the price and the delivery schedule.

1.8 Utility Location. Contractor is responsible for locating any underground utilities affected by the Work and is deemed to be an excavator for purposes of Chapter 19.122 RCW, as amended. Contractor shall be responsible for compliance with Chapter 19.122 RCW, including utilization of the "one call" locator system before commencing any excavation activities.

1.9 Air Environment. Contractor shall fully cover any and all loads of loose construction materials including without limitation, sand, dirt, gravel, asphalt, excavated materials, construction debris, etc., to protect said materials from air exposure and to minimize emission of airborne particles to the ambient air environment within the City.

2. TERM

This Contract shall commence on the effective date of this Contract and continue until the completion of the Work as described in the Plans and Specifications, and final acceptance by the City, and the expiration of all warranties contained in the Contract Documents ("Term").

3. WARRANTY

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

3.1 Requisite Skill. The Contractor warrants that it has the requisite skill to complete the Work and is appropriately accredited and licensed by all applicable agencies and governmental entities, including but not limited to being licensed to do business in the City of Tumwater by obtaining a City of Tumwater business license. Contractor represents that it has visited the site and is familiar with all of the plans and specifications in connection with the completion of the Work.

3.2 Defective Work. The Contractor shall, at its sole cost and expense, correct all Work which the City deems to have defects in workmanship and material discovered within one (1) year after the City's final acceptance of the Work as more fully set forth in the General Special Provisions. This warranty shall survive termination of this Contract. Conducting of tests and inspections, review of specifications or plans, payment for goods or services, or acceptance by the City does not constitute waiver, modification or exclusion of any express or implied warranty or any right under this Contract or law.

4. COMPENSATION

4.1 Total Compensation. In consideration of the Contractor performing the Work, the City agrees to pay the Contractor in accordance with Attachment A, Schedule of Prices, which amount shall constitute full and complete payment by the City ("Total Compensation").

4.2 Contractor Responsible for Taxes. The Contractor shall be solely responsible for the payment of any taxes imposed by any lawful jurisdiction as a result of the performance and payment of this Contract, including the City of Tumwater Business and Occupation taxes.

All Washington State sales tax and all other government taxes, assessments and charges shall be as required under either Washington State Department of Revenue Rule 171 and WAC 458-20-171, and its related rules, or Washington State Department of Revenue Rule 170 and WAC 458-20-170, and its related rules. See bid proposal Attachment A, Schedule of Prices for applicable sales tax rule for each bid schedule.

4.3 Nonpayment. The City shall have the right to withhold payment to the Contractor for any of the Work not completed in a satisfactory manner, in the City's sole discretion, which shall be withheld until such time as Contractor modifies or repairs the Work so that the Work is acceptable to the City.

4.4 Method of Payment. The basis of payment will be the actual quantities of work performed according to the contract and as specified for payment. Payments will be made for work and labor performed and materials furnished under the contract according to the price in the proposal unless otherwise provided. Partial payments will be made once each month, based on partial estimates prepared by the Engineer. Failure to perform any obligation under this Contract may be adequate reason for the City to withhold payments until the obligation is performed.

Upon completion of all work and after final inspection, the amount due the Contractor under the contract will be paid based upon the Final Voucher made by the Engineer and signed by the Contractor.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Payment to the Contractor for partial estimates, final estimates, and retained percentages shall be subject to controlling laws.

5. NONDISCRIMINATION

A. The City is an equal opportunity employer.

B. Nondiscrimination in Employment
The Contractor shall comply with the following nondiscrimination provisions, and the Contractor shall ensure the nondiscrimination provisions are included in all subcontracts:

(a) Nondiscrimination Requirement. During the term of this Contract, the Contractor, including all subcontractors, shall not discriminate on the bases enumerated at RCW 49.60.530(3). In addition, the Contractor, including all subcontractors, shall give written notice of this nondiscrimination requirement to any labor organizations with which the Contractor, or subcontractor, has a collective bargaining or other agreement.

(b) Obligation to Cooperate. The Contractor, including all subcontractors, shall cooperate and comply with any Washington state agency investigation regarding any allegation that the Contractor, including any subcontractor, has engaged in discrimination prohibited by this Contract pursuant to RCW 49.60.530(3).

(c) Default. Notwithstanding any provision to the contrary, the Contracting Agency may suspend the Contract in accordance with WSDOT Standard Specifications Section 1-08.6 – Suspension of Work – upon notice of a failure to participate and cooperate with any state agency investigation into alleged discrimination prohibited by this Contract, pursuant to RCW 49.60.530(3). Any such suspension will remain in place until the Contracting Agency receives notification that Contractor, including any subcontractor, is cooperating with the investigating state agency. In the event the Contractor, or subcontractor, is determined to have engaged in discrimination identified at RCW 49.60.530(3), the Contracting Agency may terminate this Contract in whole or in part in accordance with WSDOT Standard Specifications Section 1-08.10(1) – Termination for Default – and in addition to the sanctions listed in WSDOT Standard Specifications Section 1-07.11(5) – Sanctions – the Contractor, subcontractor, or both, may be referred for debarment as provided in RCW 39.26.200. The Contractor or subcontractor may be given a reasonable time in which to cure this noncompliance, including implementing conditions consistent with any court-ordered injunctive relief or settlement agreement.

(d) Remedies for Breach. Notwithstanding any provision to the contrary, in the event of Contract termination or suspension for engaging in discrimination, the Contractor, subcontractor, or both, shall be liable for contract damages as authorized by law including, but not limited to, any cost difference between the original contract and the replacement or cover contract and all administrative costs directly related to the replacement contract, which damages are distinct from any penalties imposed under Chapter 49.60, RCW. The Contracting Agency shall have the right to deduct from any monies due to Contractor or subcontractor, or that thereafter become due, an amount for

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

damages Contractor or subcontractor will owe Contracting Agency for default under this Provision.

C. Nondiscrimination in Services. The Contractor will not discriminate against any recipient of any services or benefits provided for in this Contract on the grounds of race, religion, creed, color, national origin, sex, marital status, disability, sexual orientation, age or other basis prohibited by state or federal law.

D. Nondiscrimination in Contractors / Subcontractors. The City of Tumwater, in accordance with RCW 49.60.530 requires all covered contractors or subcontractors to actively pursue a diverse and inclusive workforce. Discriminatory actions such as the ones listed here are prohibited:

(a) Refusing to hire any person because of age, sex, marital status, sexual orientation, gender identity, race, creed, color, national origin, citizenship or immigration status, honorably discharged veteran or military status, the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability, unless based upon a bona fide occupational qualification: PROVIDED, That the prohibition against discrimination because of such disability shall not apply if the particular disability prevents the proper performance of the particular worker involved: PROVIDED, That this section shall not be construed to require an employer to establish employment goals or quotas based on sexual orientation;

(b) Discharging or barring any person from employment because of age, sex, marital status, sexual orientation, gender identity, race, creed, color, national origin, citizenship or immigration status, honorably discharged veteran or military status, the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability;

(c) Discriminating against any person in compensation or in other terms or conditions of employment because of age, sex, marital status, sexual orientation, gender identity, race, creed, color, national origin, citizenship or immigration status, honorably discharged veteran or military status, the presence of any sensory, mental, or physical disability, the use of a trained dog guide or service animal by a person with a disability: PROVIDED, That it shall not be an unfair practice for an employer to segregate washrooms or locker facilities on the basis of sex, or to base other terms and conditions of employment on the sex of employees where the commission by regulation or ruling in a particular instance has found the employment practice to be appropriate for the practical realization of equality of opportunity between the sexes; or

(d) Printing or circulating, or causing to be printed or circulated, any statement, advertisement, or publication, or to use any form of application for employment, or to make any inquiry in connection with prospective employment, which expresses any limitation, specification, or discrimination as to age, sex, marital status, sexual orientation, gender identity, race, creed, color, national origin, citizenship or immigration status, honorably discharged veteran or military status, or the presence of any sensory, mental, or physical disability, the use of a trained dog guide or service animal by a person with a disability, or any intent to make any such limitation, specification, or discrimination, unless based upon a bona fide occupational

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

qualification: PROVIDED, That nothing contained herein shall prohibit advertising in a foreign language."

6. INDEPENDENT CONTRACTOR/CONFLICT OF INTEREST

It is the intention and understanding of the Parties that the Contractor shall be an independent contractor and that the City shall be neither liable nor obligated to pay Contractor sick leave, vacation pay or any other benefit of employment, nor to pay any social security or other tax which may arise as an incident of employment. The Contractor shall pay all income and other taxes due. Industrial or any other insurance which is purchased for the benefit of the City, regardless of whether such may provide a secondary or incidental benefit to the Contractor, shall not be deemed to convert this Contract to an employment contract. It is recognized that Contractor may or will be performing work during the Term for other parties; provided, however, that such performance of other work shall not conflict with or interfere with the Contractor's ability to perform the Work. Contractor agrees to resolve any such conflicts of interest in favor of the City.

7. CITY'S RIGHT TO TERMINATE CONTRACT

7.1 Termination Without Cause. Prior to the expiration of the Term, this Contract may be terminated without cause upon oral or written notice delivered to Contractor from the City. Upon termination, all supplies, materials, labor and/or equipment furnished prior to such date shall, at the City's option, become its property. In the event Contractor is not in breach of any of the provisions of this Contract, Contractor will be paid for any portion of the Work which has been completed to the City's satisfaction, calculated by the percentage amount that portion of the Work completed and accepted by the City bears to the Total Compensation.

7.2 Termination For Cause. The City may immediately terminate this Contract, take possession of the Property and all materials thereon and finish the Work by whatever methods it may deem expedient, upon the occurrence of any one or more of the following events:

(1) If the Contractor should be adjudged as bankrupt.

(2) If the Contractor should make a general assignment for the benefit of its creditors.

(3) If a receiver should be appointed on the account of insolvency of the Contractor.

(4) If the Contractor should persistently or repeatedly refuse or fail to supply a sufficient number of properly skilled workmen or proper materials for completion of the Work.

(5) If the Contractor should fail to complete the Work within the time specified in this Contract.

(6) If the Contractor should fail to complete the Work in compliance with the plans and specifications, to the City's satisfaction.

(7) If the Contractor should fail to make prompt payment to subcontractors or for material labor.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

(8) If the Contractor should persistently disregard laws, ordinances or regulations of federal, state, or municipal agencies or subdivisions thereof.

(9) If the Contractor should persistently disregard instructions of the City Administrator or his or her representative.

(10) If the Contractor shall be in breach or violation of any term or provision of this Contract, or

(11) If the Work is not being performed pursuant to RCW 49.28.050 or 49.28.060.

7.3 Result of Termination. In the event that this Contract is terminated for cause by the City, the City may do any or all of the following:

(1) Stop payments. The City shall cease any further payments to Contractor and Contractor shall be obligated to repay any payments it received under this contract.

(2) Complete Work. The City may, but in no event is the City obligated to, complete the Work, which Work may be completed by the City's agents, employees or representatives or the City may retain independent persons or entities to complete the Work. Upon demand, Contractor agrees to pay to the City all of its costs and expenses in completing such Work.

(3) Take Possession. The City may take possession of the Property and any equipment and materials on the Property and may sell the same, the proceeds of which shall be paid to the City for its damages.

(4) Remedies Not Exclusive. No remedy or election under this Contract shall be deemed an election by the City but shall be cumulative and in addition to all other remedies available to the City at law, in equity or by statute.

8. INDEMNIFICATION

8.1 Contractor Indemnification. The Contractor agrees to indemnify, defend, and hold the City, its elected officials, officers, employees, agents, and volunteers harmless from any and all claims, demands, losses, actions and liabilities (including costs and all attorney fees) to or by any and all persons or entities, including, without limitation, their respective agents, licensees, or representatives, arising from, resulting from, or connected with this Contract to the extent caused by the negligent acts, errors or omissions of the Contractor, its partners, shareholders, agents, employees, or by the Contractor's breach of this Contract. Contractor waives any immunity that may be granted to it under the Washington State Industrial Insurance Act, Title 51 RCW. Contractor's indemnification shall not be limited in any way by any limitation on the amount of damages, compensation or benefits payable to or by any third party under workers' compensation acts, disability benefit acts or any other benefits acts or programs.

8.2 City Indemnification. The City agrees to indemnify, defend, and hold the Contractor, its officers, directors, shareholders, partners, employees, and agents harmless from any and all claims, demands, losses, actions and liabilities (including costs and attorney fees) to or by any and all persons or entities, including without limitation, their respective agents, licenses, or representatives, arising from, resulting from or connected with this Contract to the extent solely caused by the negligent acts, errors, or omissions of the City, its employees or agents.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

8.3 Survival. The provisions of this Section shall survive the expiration or termination of this Contract with respect to any event occurring prior to such expiration or termination.

9. INSURANCE

The Contractor shall procure and maintain the insurance as described in Section 1-07.18 of project special provisions and Exhibit C – Certificate of Insurance. The Contractor's failure to provide the required insurance coverage shall be deemed to constitute non-acceptance of this Contract by the Contractor and the City may then award this Contract to the next lowest bidder.

10. CONTRACTOR'S COMBINED PERFORMANCE /PAYMENT BONDS

Pursuant to RCW 39.08.010, the Contractor shall post a combined Performance/Payment Bond, attached to this Contract as Exhibit D, in favor of the City, and incorporated by this reference, in a dollar amount satisfactory to the City; to guarantee Contractor's performance of the Work to the City's satisfaction; to insure Contractor's performance of all of the provisions of this Contract; and to guarantee Contractor's payment of all laborers, mechanics, subcontractors and material persons. Contractor's obligations under this Contract shall not be limited to the dollar amount of the bonds.

11. SAFETY

Contractor shall take all necessary precautions for the safety of employees on the work site and shall comply with all applicable provisions of federal, state and municipal safety and health laws and codes, including without limitation, all OSHA/WISHA requirements, Safety and Health Standards for Construction Work (Chapter 296-155 WAC), General Safety and Health Standards (Chapter 296-24 WAC), and General Occupational Health Standards (Chapter 296-62 WAC). Contractor shall erect and properly maintain, at all times, all necessary guards, barricades, signals and other safeguards at all unsafe places at or near the Work for the protection of its employees and the public, safe passageways at all road crossings, crosswalks, street intersections, post danger signs warning against any known or unusual hazards and do all other things necessary to prevent accident or loss of any kind. Contractor shall protect from danger all water, sewer, gas, steam or other pipes or conduits, and all hydrants and all other property that is likely to become displaced or damaged by the execution of the Work. The Contractor shall, at its own expense, secure and maintain a safe storage place for its materials and equipment and is solely responsible for the same.

12. PREVAILING WAGES

12.1 Wages of Employees. This contract is subject to the minimum wage requirements of Chapter 39.12 RCW and Chapter 49.28 RCW (as amended or supplemented). On Federal-aid projects, Federal wage laws and rules also apply. The Hourly minimum rates for wages and fringe benefits are listed in Appendix A. When Federal wage and fringe benefit rates are listed, the rates match those identified by the U.S. Department of Labor's "Decision Number" shown in Appendix A.

The Contractor, any subcontractor, and all individuals or firms required by Chapter 39.12 RCW, Chapter 296-127 WAC, or the Federal Davis-Bacon and Related Acts (DBRA) to pay minimum prevailing wages, shall not pay any worker

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

less than the minimum hourly wage rates and fringe benefits required by Chapter 39.12 RCW or the DBRA. Higher wages and benefits may be paid.

When the project is subject to both State and Federal hourly minimum rates for wages and fringe benefits and when the two rates differ for similar kinds of labor, the Contractor shall not pay less than the higher rate unless the State rates are specifically preempted by Federal law.

The Contractor shall ensure that any firm (Supplier, Manufacturer, or Fabricator) that falls under the provisions of Chapter 39.12 RCW because of the definition "Contractor" in Chapter 296-127-010 WAC, complies with all the requirements of Chapter 39.12 RCW.

12.2 Exemptions to Prevailing Wage. The prevailing wage requirements of Chapter 39.12 RCW, and as required in this Contract, do not apply to:

(1) Sole owners and their spouses;

(2) Any partner who owns at least 30% of a partnership;

(3) The President, Vice President and Treasurer of a corporation if each one owns at least 30% of the corporation.

12.3 Reporting Requirements. On forms provided by the Industrial Statistician of State L&I, the Contractor shall submit to the Engineer the following for itself and for each firm covered under Chapter 39.12 RCW that provided work and materials of the contract:

(1) A copy of an approved "Statement of Intent to Pay Prevailing Wages" State L&I form number F700-029-000. The City will make no payment under this contract for the work performed until this statement has been approved by State L&I and a copy of the approved form has been submitted to the City.

(2) A copy of an approved "Affidavit of Prevailing Wages Paid," State L&I form number F700-007-000. The City will not release to the Contractor any funds retained under Chapter 60.28.011 RCW until all of the "Affidavit of Prevailing Wages Paid" forms have been approved by State L&I and a copy of all the approved forms have been submitted to the City.

The Contractor shall be responsible for requesting these forms from the State L&I and for paying any approval fees required by State L&I.

Certified payrolls are required to be submitted weekly by the Contractor to the City, for the Contractor and all subcontractors or lower tier subcontractors.

12.4 Disputes. In the event any dispute arises as to what are the prevailing rates of wages for work of a similar nature and such dispute cannot be resolved by the City and the Contractor, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington and the decision therein shall be final and conclusive and binding on all parties involved in the dispute.

13. FAILURE TO PAY SUBCONTRACTORS

In addition to any other remedies provided herein, in the event the Contractor shall fail to pay any subcontractors or laborers, fail to pay for any materials, or fail to pay any

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

insurance premiums, the City may terminate this Contract and/or the City may withhold from the money which may be due the Contractor an amount necessary for the payment of such subcontractors, laborers, materials or premiums.

14. OWNERSHIP OF DOCUMENTS

All originals and copies of work product, including plans, sketches, layouts, designs, design specifications, records, files, computer disks, magnetic media, all finished or unfinished documents or material which may be produced or modified by Contractor while performing the Work shall become the property of the City and shall be delivered to the City at its request.

15. CONFIDENTIALITY

Any records, reports, information, data or other documents or materials given to or prepared or assembled by the Contractor under this Contract will be kept as confidential and shall not be made available to any individual or organization by the Contractor without prior written approval of the City.

16. BOOKS AND RECORDS

The Contractor agrees to maintain books, records, and documents which sufficiently and properly reflect all direct and indirect costs related to the performance of this Contract and such accounting procedures and practices as may be deemed necessary by the City to assure proper accounting of all funds paid pursuant to this Contract. These records shall be subject at all reasonable times to inspection, review or audit by the City, its authorized representative, the State Auditor, or other governmental officials authorized by law to monitor this Contract.

17. CLEAN UP

At any time ordered by the City and immediately after completion of the Work, the Contractor shall, at its own expense, clean up and remove all refuse and unused materials of any kind resulting from the Work. In the event the Contractor fails to perform the necessary clean up, the City may, but in no event is it obligated to, perform the necessary clean up and the costs thereof shall be immediately paid by the Contractor to the City and/or the City may deduct its costs from any remaining payments due to the Contractor.

18. GENERAL PROVISIONS

18.1 Entire Contract. The Contract Documents contain all of the agreements of the Parties with respect to any matter covered or mentioned in this Contract and no prior agreements or understandings pertaining to any such matters shall be effective for any purpose.

18.2 Modification. No provisions of this Contract, including this provision, may be amended or added to except by agreement in writing signed by the Parties or their respective successors in interest.

18.3 Full Force and Effect. Any provision of this Contract, which is declared invalid, void or illegal, shall in no way affect, impair, or invalidate any other provision hereof and such other provisions shall remain in full force and effect.

18.4 Assignment. The Contractor shall not transfer or assign, in whole or in part, any or all of its obligations and rights hereunder without the prior written consent of

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

the City. In the event the City consents to any such assignment or transfer, such consent shall in no way release the Contractor from any of its obligations or liabilities under this Contract.

18.5 Successors in Interest. Subject to the preceding Subsection, this Contract shall be binding upon and inure to the benefit of the Parties' successors in interest, heirs and assigns.

18.6 Attorney Fees. In the event the City or the Contractor defaults on the performance of any terms in this Contract, and the Contractor or City places the enforcement of the Contract or any part thereof, or the collection of any monies due, or to become due hereunder, or recovery of possession of any belongings, in the hands of an attorney, or file suit upon the same, each Party shall pay all its own attorneys' fees, costs and expenses. The venue for any dispute related to this Contract shall be Thurston County, Washington.

18.7 No Waiver. Failure of the City to declare any breach or default immediately upon occurrence thereof, or delay in taking any action in connection with, shall not waive such breach or default. Failure of the City to declare one breach or default does not act as a waiver of the City's right to declare another breach or default.

18.8 Governing Law. This Contract shall be made in and shall be governed by and interpreted in accordance with the laws of the State of Washington.

18.9 Authority. Each individual executing this Contract on behalf of the City and Contractor represents and warrants that such individuals are duly authorized to execute and deliver this Contract on behalf of the Contractor or City.

18.10 Notices. Any notices required to be given by the City to the Contractor or by the Contractor to the City shall be delivered to the Parties at the addresses set forth below. Any notices may be delivered personally to the addressee of the notice or may be deposited in the United States mail, postage prepaid, to the address set forth herein. Any notice so posted in the United States mail shall be deemed received three (3) days after the date of mailing.

18.11 Captions. The respective captions of the Sections of this Contract are inserted for convenience of reference only and shall not be deemed to modify or otherwise affect in any respect any of the provisions of this Contract.

18.12 Performance. Time is of the essence of this Contract and each and all of its provisions in which performance is a factor. Adherence to completion dates is essential to the Contractor's performance of this Contract.

18.13 Conflicting Provisions. In the event of a conflict between the terms and provisions of any of the Contract Documents, the City Administrator or his or her designee shall issue an interpretation of the controlling document, which interpretation shall be final and binding.

*** Signatures on Following Page ***

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

CITY OF TUMWATER
555 Israel Road SW
Tumwater, WA 98501-6515

Signed by:
Leatta Dahlhoff
B4CC0184630F4BE...
Leatta Dahlhoff, Mayor

Attest:

DocuSigned by:
Melody Valiant
E67ECE560BA04BB...
Melody Valiant, City Clerk

Approved as to Form:

DocuSigned by:
Karen Kirkpatrick
5011BA3DE4C345C...
Karen Kirkpatrick, City Attorney

CONTRACTOR
Black Hills Excavating
3439 93rd Avenue SW
Olympia, WA 98512-1103

Telephone: 360-701-0168
Tax ID# 20-2777708

By: _____
Type/Print Name: Aaron Hufana
Title: President

STATE OF WASHINGTON)
) ss
COUNTY OF THURSTON)

On this day personally appeared before me AARON HUFANA, to me known to be the PRESIDENT of BLACK HILLS EXCAVATING that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he/she was authorized to execute said instrument and that the seal affixed, if any, is the corporate seal of said corporation.

GIVEN my hand and official seal this 29TH day of OCTOBER 2026.

Derek Putman
Notary Public
State of Washington
My Appointment Expires 4/5/2028
Commission Number 24016076

DEREK PUTMAN
Type/Print Name
Notary Public in and for the State of Washington
My commission expires: 4/5/2028.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Clark Place Sewer Repair

ATTACHMENT A - FEE SCHEDULE

SCHEDULE A - SEWER					
Item No.	Item Description	Quantity	Unit	Unit Price	Total/Extension
1 A	Mobilization	1	L.S.	$ 35,000.00	$ 35,000.00
2 A	Inlet Protection	6	EACH	$ 100.00	$ 600.00
3 A	Temporary Traffic Control	1	L.S.	$ 32,500.00	$ 32,500.00
4 A	Shoring or Extra Excavation Cl B	1,500	SF	$ 3.00	$ 4,500.00
5 A	Structure Excavation Class B Incl. Haul	450	C.Y.	$ 35.00	$ 15,750.00
6 A	Gravel Backfill for Pipe Zone Bedding	225	TON	$ 50.00	$ 11,250.00
7 A	Select Borrow Incl. Haul	650	TON	$ 40.00	$ 26,000.00
8 A	8 In. Diam. PVC Sanitary Sewer Pipe	310	L.F.	$ 75.00	$ 23,250.00
9 A	Sewer Lateral Pipe	50	L.F.	$ 200.00	$ 10,000.00
10 A	Connect to Existing Manhole	2	EACH	$ 3,500.00	$ 7,000.00
11 A	Manhole 48 In. Diam. Type 2	2	EACH	$ 10,000.00	$ 20,000.00
12 A	Sewer Cleanout and Connection	6	EACH	$ 3,000.00	$ 18,000.00
13 A	Bypass System - Contingency	75,000	EST	$ 1.00	$ 75,000.00
14 A	Sewer Bypass - Truck Pumping	2	DAY	$ 7,000.00	$ 14,000.00
15 A	Sawcutting	700	L.F.	$ 8.00	$ 5,600.00
16 A	Removing Cement Conc. Curb	10	L.F.	$ 50.00	$ 500.00
17 A	Removing Cement Conc. Sidewalk	30	S.Y.	$ 60.00	$ 1,800.00
18 A	Cement Conc. Sidewalk and Driveway	30	S.Y.	$ 125.00	$ 3,750.00
19 A	Cement Conc. Curb and Gutter	10	L.F.	$ 100.00	$ 1,000.00
20 A	Controlled Density Fill	5	C.Y.	$ 800.00	$ 4,000.00
21 A	Crushed Surfacing Base Course	20	TON	$ 65.00	$ 1,300.00
22 A	HMA Class 1/2 In. PG 58H-22	30	TON	$ 350.00	$ 10,500.00
23 A	Construction Surveying, Staking, and Record Drawings	1	L.S.	$ 5,000.00	$ 5,000.00
24 A	SPCC Plan	1	L.S.	$ 500.00	$ 500.00
25 A	Minor Change	10,000	EST	$ 1.00	$ 10,000.00
	Schedule A Subtotal	XXX	XXX	XXX	$ 336,800.00
	Sales Tax @ 9.8% (Tax Rule 170)	N/A	N/A	N/A	$ 33,006.40
	SCHEDULE A - TOTAL BID AMOUNT	XXX	XXX	XXX	$ 369,806.40

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

This page intentionally left blank.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Exhibit A

CITY OF TUMWATER

NOTICE OF COMPLETION OF PUBLIC WORKS CONTRACT

Contractor:

Project:

The City of Tumwater has determined that the _____[Project] has been Physically Completed per Section 1-08.5 of the Standard Specifications as of _____, 20____, for all work that the contract requires.

This date shall constitute physical completion of the contract but shall not imply the City's acceptance of the work or contract.

Sincerely,

Manager

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

This page intentionally left blank.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Exhibit B

CONTRACT CHANGE ORDER AGREEMENT

CITY OF TUMWATER

	CHANGE ORDER NO:
PROJECT:	
PROJECT #:	ORIGINAL CONTRACT AMOUNT: $ -
CONTRACTOR:	
	UNDER ESTIMATE NO:

This change order agreement shall be full compensation for implementing the proposed change in the Work, including any adjustment in the Contract Sum or Contract Time, and including compensation for all delays in connection with such change in the Work and for any expense or inconvenience, disruption of schedule, or loss of efficiency or productivity occasioned by the change in the Work.

ITEM	DESCRIPTION	Unit	Unit Price	Quantity	Increase	Decrease
SUB TOTAL					$ -	$ -
NET INCREASE/DECREASE			$ -			
PREVIOUS CHANGE ORDER TOTALS					$ -	$ -
TOTAL CHANGE ORDERS					$ -	$ -
TOTAL NET			$ -			
TOTAL CHANGE ORDER % OF ORIGINAL CONTRACT						

SUMMARY OF PROPOSED CHANGE:

Following describes the proposed change in the Work:

The amount of working/calendar days that will be added to the total authorized contract days as a _____

APPROVED BY:

CONTRACTOR: _____ DATE: _____

DIRECTOR, TRANSPORTATION & ENGINEERING _____ DATE: _____

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

This page intentionally left blank.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

EXHIBIT C

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/22/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Manna Insurance Group, LLC
700 Front St
Lynden, WA 98264
License #: 905555

CONTACT NAME: Adam Hoogerhyde
PHONE (A/C, No, Ext): (360)922-0149 FAX (A/C, No):
E-MAIL ADDRESS: Adam@mannainsurancegroup.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Middlesex Insurance Company	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Black Hills Excavating, Inc.
3439 93rd Ave SW
Olympia, WA 98512

COVERAGES **CERTIFICATE NUMBER: 00005523-0** **REVISION NUMBER: 43**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. *LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. LIMITS SHOWN ARE INCLUSIVE OF AMOUNTS REQUESTED BY THE CERTIFICATE HOLDER AND MAY NOT REFLECT POLICY LIMIT AMOUNTS IN EXCESS OF THOSE REQUESTED. *Not Applicable in WY

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y		A0250447	05/05/2026	05/05/2027	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 15,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 3,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			A0250447	05/05/2026	05/05/2027	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			A0250447	05/05/2026	05/05/2027	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED RETENTION $ 0							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			A0250447	05/05/2026	05/05/2027	X PER STATUTE OTH-ER	Stop Gap
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) N/A						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 3,000,000
A	Rented/Leased Equip			A0250447	05/05/2026	05/05/2027	Limit	100,000
A	Installation Floater			A0250447	05/05/2026	05/05/2027	Limit	420,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Clark Place Sewer Repair

The City of Tumwater is included as additional insured

CERTIFICATE HOLDER

City of Tumwater
555 Israel Road SW
Tumwater, WA 98501

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

(ACH)

© 1988-2025 ACORD CORPORATION. All rights reserved.
The ACORD name and logo are registered marks of ACORD

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Bond Number: 4496301
Issued in Duplicate

Exhibit D
(Page 1 of 2)

CONTRACTOR'S COMBINED PERFOMANCE/PAYMENT BOND to City of Tumwater, Washington

The City of Tumwater, Washington, in Thurston County, has awarded to Black Hills Excavating, Inc., 3439 93rd Ave SW, Olympia, WA 98512 (Contractor), as Principal, a contract for the construction of the project designated as Clark Place Sewer Repair Project No. 4010008 in Tumwater, Washington, and said Principal is required under the terms of the Contract to furnish a combined performance/payment bond in accordance with Chapter 39.08 Revised Code of Washington (RCW).

The Principal and SureTec Insurance Company, 2103 CityWest Blvd, Suite 1300, Houston, TX 77042 (Surety), a corporation, organized under the laws of Texas and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the City of Tumwater, as Obligee, in the sum of Three Hundred Sixty Six Thousand, Five Hundred Twelve and 40/100 Dollars ($366,512.40) total Contract amount (including Washington State sales tax), subject to the provisions herein.

The obligations of this bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall well and faithfully perform all of the Principal's obligations under the Contract and fulfill all the terms and conditions of all duly authorized modifications, additions, and changes to said Contract that may hereafter be made, at the time and in the manner therein specified; shall pay all persons in accordance with chapters 39.08, 39.12, and 60.28 RCW, including all workers, laborers, mechanics, subcontractors, and material suppliers, and all persons who shall supply such contractor or subcontractor with provisions and hold harmless the Obligee from any defects in the workmanship and materials incorporated into the work for the period identified in the Contract; and if such obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not require for such increased obligation.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Exhibit D
(Page 2 of 2)

This bond may be executed in two original counterparts and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

PRINCIPAL (CONTRACTOR)		SURETY	
	10-27-26		10/27/2026
Principal Signature	Date	Surety Signature	Date
Aaron Hufana		Caleb Hazel	
Printed Name		Printed Name	
Owner		Attorney-In-Fact	
Title		Title	

Name, address, and telephone of local office/agent of Surety Company is:

Manna Insurance Group, LLC

700 Front St., Lynden, WA 98264 (360)370-1753

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

POA# 4710032

JOINT LIMITED POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That SureTec Insurance Company, a Corporation duly organized and existing under the laws of the State of Texas and having its principal office in the County of Harris, Texas and Markel Insurance Company (the "Company"), a corporation duly organized and existing under the laws of the state of Illinois, and having its principal administrative office in Glen Allen, Virginia, does by these presents make, constitute and appoint:

Kyle Boon, Nathan J. Bosman, Caleb Hazel, Adam Hoogerhyde, Courtney Ketchum, Stephen Poag, Noah Rawls, Daniel Vander Kool, Adam Van Diest

Their true and lawful agent(s) and attorney(s)-in-fact, each in their separate capacity if more than one is named above, to make, execute, seal and deliver for and on their own behalf, individually as a surety or jointly, as co-sureties, and as their act and deed any and all bonds and other undertaking in suretyship provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed the sum of:

Five Million and 00/100 Dollars ($5,000,000.00)

This Power of Attorney is granted and is signed and sealed under and by the authority of the following Resolutions adopted by the Board of Directors of SureTec Insurance Company and Markel Insurance Company:

"RESOLVED, That the President, any Senior Vice President, Vice President, Assistant Vice President, Secretary, Assistant Secretary, Treasurer or Assistant Treasurer and each of them hereby is authorized to execute powers of attorney, and such authority can be executed by use of facsimile signature, which may be attested or acknowledged by any officer or attorney, of the company, qualifying the attorney or attorneys named in the given power of attorney, to execute in behalf of, and acknowledge as the act and deed of the SureTec Insurance Company and Markel Insurance Company, as the case may be, all bond undertakings and contracts of suretyship, and to affix the corporate seal thereto."

IN WITNESS WHEREOF, Markel Insurance Company and SureTec Insurance Company have caused their official seal to be hereunto affixed and these presents to be signed by their duly authorized officers on the 26th day of August , 2024 .

SureTec Insurance Company

By: _____
Michael C. Keimig, President

Markel Insurance Company

By: _____
Lindey Jennings, Vice President

State of Texas
County of Harris:

On this 26th day of August , 2024 A. D., before me, a Notary Public of the State of Texas, in and for the County of Harris, duly commissioned and qualified, came THE ABOVE OFFICERS OF THE COMPANIES, to me personally known to be the individuals and officers described in, who executed the preceding instrument, and they acknowledged the execution of same, and being by me duly sworn, disposed and said that they are the officers of the said companies aforesaid, and that the seals affixed to the proceeding instrument are the Corporate Seals of said Companies, and the said Corporate Seals and their signatures as officers were duly affixed and subscribed to the said instrument by the authority and direction of the said companies, and that Resolutions adopted by the Board of Directors of said Companies referred to in the preceding instrument is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my Official Seal at the County of Harris, the day and year first above written.

By: _____
Chelsea Turner, Notary Public
My commission expires 7/6/2028

We, the undersigned Officers of SureTec Insurance Company and Markel Insurance Company do hereby certify that the original POWER OF ATTORNEY of which the foregoing is a full, true and correct copy is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, we have hereunto set our hands, and affixed the Seals of said Companies, on the 27th day of October , 2026 .

SureTec Insurance Company

By: _____
M. Brent Beaty, Assistant Secretary

Markel Insurance Company

By: _____
Andrew Marquis, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity. 4710032
For verification of the authority of this Power you may call (713)812-0800 on any business day between 8:30 AM and 5:00 PM CST.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

DECLARATION OF OPTION FOR MANAGEMENT OF STATUTORY RETAINED PERCENTAGE

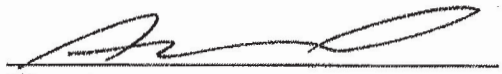
In accordance with RCW 60.28, the City of Tumwater must reserve a contract retainage not to exceed five percent of the moneys earned by the Contractor as a trust fund for the protection and payment of (i) The claims of any person arising under the contract; and (ii) the state with respect to taxes, increases, and penalties imposed pursuant to Titles 50, 51, and 82 RCW which may be due from such Contractor. The Contractor shall elect to either have the City or a third party to retain this percentage.

Release of retainage will be made 60 days following the Completion Date (pursuant to RCW 39.12 and RCW 60.28) provided the conditions of WSDOT Standard Specification Section 1-09.9(1) – Retainage – are met.

(A.) I hereby elect to have the retained percentage of this contract held in a fund by the City of Tumwater until forty-five (45) days following final acceptance of the work.

Black Hills Excavating - Aaron Hufana
Contractor (please print)

10/28/2026
Date


Signature

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

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

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

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

_____
Contractor (please print)

_____
Date

_____
Signature

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Appendix A

State Prevailing Wages and Benefit Code Key

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 10/8/2026

Thurston County

Trade	Job Classification	Wage	Holiday	Overtime	Note
Asbestos Abatement Workers	Journey Level	$71.10	**5D**	**1H**	
Boilermakers	Journey Level	$80.89	**5N**	**1C**	
Brick Mason	Journey Level	$82.00	**7E**	**1N**	
Brick Mason	Pointer-Caulker-Cleaner	$82.00	**7E**	**1N**	
Building Service Employees	Janitor	$17.13		**1**	
Building Service Employees	Shampooer	$17.13		**1**	
Building Service Employees	Waxer	$17.13		**1**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Building Service Employees	Window Cleaner	$17.13		1	
Cabinet Makers (In Shop)	Journey Level	$17.13		1	
Carpenters	Acoustical Worker	$87.71	15J	11U	
Carpenters	Bridge Dock and Wharf Carpenter	$89.38	15J	11U	9L
Carpenters	Floor Layer & Floor Finisher	$87.71	15J	11U	
Carpenters	General Carpenter	$87.71	15J	11U	
Carpenters	Scaffold Erector	$87.71	15J	11U	
Cement Masons	Application of all Composition Mastic	$86.70	15J	4U	
Cement Masons	Application of all Epoxy Material	$86.18	15J	4U	
Cement Masons	Application of all Plastic Material	$86.70	15J	4U	
Cement Masons	Application of Sealing Compound	$86.18	15J	4U	
Cement Masons	Application of Underlayment	$86.70	15J	4U	
Cement Masons	Building General	$86.18	15J	4U	
Cement Masons	Composition or Kalman Floors	$86.70	15J	4U	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Cement Masons	Concrete Paving	$86.18	**15J**	**4U**
Cement Masons	Curb & Gutter Machine	$86.70	**15J**	**4U**
Cement Masons	Curb & Gutter, Sidewalks	$86.18	**15J**	**4U**
Cement Masons	Curing Concrete	$86.18	**15J**	**4U**
Cement Masons	Finish Colored Concrete	$86.70	**15J**	**4U**
Cement Masons	Floor Grinding	$86.70	**15J**	**4U**
Cement Masons	Floor Grinding/Polisher	$86.18	**15J**	**4U**
Cement Masons	Green Concrete Saw, self-powered	$86.70	**15J**	**4U**
Cement Masons	Grouting of all Plates	$86.18	**15J**	**4U**
Cement Masons	Grouting of all Tilt-up Panels	$86.18	**15J**	**4U**
Cement Masons	Gunite Nozzleman	$86.70	**15J**	**4U**
Cement Masons	Hand Powered Grinder	$86.70	**15J**	**4U**
Cement Masons	Journey Level	$86.18	**15J**	**4U**
Cement Masons	Patching Concrete	$86.18	**15J**	**4U**
Cement Masons	Pneumatic Power Tools	$86.70	**15J**	**4U**
Cement Masons	Power Chipping & Brushing	$86.70	**15J**	**4U**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Cement Masons	Sand Blasting Architectural Finish	$86.70	**15J**	**4U**	
Cement Masons	Screed & Rodding Machine	$86.70	**15J**	**4U**	
Cement Masons	Spackling or Skim Coat Concrete	$86.18	**15J**	**4U**	
Cement Masons	Troweling Machine Operator	$86.70	**15J**	**4U**	
Cement Masons	Troweling Machine Operator on Colored Slabs	$86.70	**15J**	**4U**	
Cement Masons	Tunnel Workers	$86.70	**15J**	**4U**	
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$149.22	**15J**	**11T**	**9I**
Divers & Tenders	Dive Supervisor	$150.72	**15J**	**11T**	**9I**
Divers & Tenders	Diver	$149.22	**15J**	**11T**	**9I**
Divers & Tenders	Diver Tender	$95.55	**15J**	**11T**	**9I**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$120.22	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01-44.00 PSI	$130.16	**15J**	**11U**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$140.11	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$150.05	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$160.00	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$169.94	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$179.88	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$189.83	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$199.77	**15J**	**11U**	
Divers & Tenders	Lead Diver (Dive Master)	$110.01	**15J**	**11T**	**9I**
Divers & Tenders	Manifold Operator (Life Support Technician)	$100.55	**15J**	**11U**	**9I**
Divers & Tenders	Remote Operated Vehicle Operator/Technician	$95.55	**15J**	**11T**	**9I**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Divers & Tenders	Remote Operated Vehicle Operator/Technician	$95.55	**15J**	**11U**	**9I**
Divers & Tenders	Remote Operated Vehicle Tender	$89.25	**15J**	**11T**	**9I**
Divers & Tenders	Stand-by Diver	$105.01	**15J**	**11T**	**9I**
Dredge Workers	Assistant Engineer	$93.71	**5D**	**3F**	
Dredge Workers	Assistant Mate (Deckhand)	$92.99	**5D**	**3F**	
Dredge Workers	Boatmen	$93.71	**5D**	**3F**	
Dredge Workers	Engineer Welder	$95.52	**5D**	**3F**	
Dredge Workers	Leverman, Hydraulic	$97.45	**5D**	**3F**	
Dredge Workers	Mates	$93.71	**5D**	**3F**	
Dredge Workers	Oiler	$92.99	**5D**	**3F**	
Drywall Applicator	Journey Level	$84.77	**15O**	**11S**	
Drywall Tapers	Journey Level	$84.77	**15O**	**11S**	
Electrical Fixture Maintenance Workers	Journey Level	$29.54		**1**	
Electricians - Inside	Cable Splicer	$104.37	**5C**	**1G**	
Electricians - Inside	Journey Level	$97.32	**5C**	**1G**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Electricians - Inside	Lead Covered Cable Splicer	$111.40	**5C**	**1G**	
Electricians - Inside	Welder	$104.37	**5C**	**1G**	
Electricians - Motor Shop	Craftsman	$17.13		**1**	
Electricians - Motor Shop	Journey Level	$17.13		**1**	
Electricians - Powerline Construction	Cable Splicer	$107.31	**5A**	**4D**	
Electricians - Powerline Construction	Certified Line Welder	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Groundperson	$61.75	**5A**	**4D**	
Electricians - Powerline Construction	Heavy Line Equipment Operator	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Journey Level Lineperson	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Line Equipment Operator	$84.94	**5A**	**4D**	
Electricians - Powerline Construction	Meter Installer	$61.75	**5A**	**4D**	**8W**
Electricians - Powerline Construction	Pole Sprayer	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Powderperson	$72.81	**5A**	**4D**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Electronic Technicians	Journey Level	$64.34	**6Z**	**1B**	
Elevator Constructors	Mechanic	$119.17	**7D**	**4A**	
Elevator Constructors	Mechanic In Charge	$128.95	**7D**	**4A**	
Fabricated Precast Concrete Products	Journey Level	$17.13		**1**	
Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$17.13		**1**	
Fence Erectors	Fence Erector	$60.82	**15J**	**11X**	**9N**
Fence Erectors	Fence Laborer	$60.82	**15J**	**11X**	**9N**
Flaggers	Journey Level	$60.82	**15J**	**11X**	**9N**
Glaziers	Journey Level	$88.41	**7L**	**1Y**	
Heat & Frost Insulators And Asbestos Workers	Journey Level	$100.83	**15H**	**11C**	
Heating Equipment Mechanics	Journey Level	$107.92	**7F**	**1E**	
Hod Carriers & Mason Tenders	Journey Level	$75.00	**15J**	**11X**	**9N**
Industrial Power Vacuum Cleaner	Journey Level	$17.13		**1**	
Inland Boatmen	Boat Operator	$71.28	**5B**	**1K**	
Inland Boatmen	Cook	$69.70	**5B**	**1K**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Inland Boatmen	Deckhand	$70.00	**5B**	**1K**
Inland Boatmen	Deckhand Engineer	$69.55	**5B**	**1K**
Inland Boatmen	Launch Operator	$71.23	**5B**	**1K**
Inland Boatmen	Mate	$89.12	**5B**	**1K**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	CCTV Head Operator	$56.10	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	CCTV Operator	$53.00	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	CCTV Technician	$49.90	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Assistant	$50.93	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Combo Unit	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Combo Unit Assistant	$50.93	**15M**	**110**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Assistant	$50.93	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator Assistant	$50.93	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Hydrovac	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Hydrovac Assistant	$50.93	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Jetter/Flusher	$58.16	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Jetter/Flusher Assistant	$50.93	**15M**	**110**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Skid Steer	$50.93	**15M**	**110**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Sweeper/Broom Operator	$49.90	**15M**	**11O**	
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Water Truck	$49.90	**15M**	**11O**	
Insulation Applicators	Journey Level	$87.71	**15J**	**11U**	
Ironworkers	Journeyman	$94.82	**15K**	**11N**	
Laborers	Air, Gas Or Electric Vibrating Screed	$71.10	**15J**	**11X**	**9N**
Laborers	Airtrac Drill Operator	$73.18	**15J**	**11X**	**9N**
Laborers	Ballast Regular Machine	$71.10	**15J**	**11X**	**9N**
Laborers	Batch Weighman	$60.82	**15J**	**11X**	**9N**
Laborers	Brick Pavers	$71.10	**15J**	**11X**	**9N**
Laborers	Brush Cutter	$71.10	**15J**	**11X**	**9N**
Laborers	Brush Hog Feeder	$71.10	**15J**	**11X**	**9N**
Laborers	Burner	$71.10	**15J**	**11X**	**9N**
Laborers	Caisson Worker	$73.18	**15J**	**11X**	**9N**
Laborers	Carpenter Tender	$71.10	**15J**	**11X**	**9N**
Laborers	Cement Dumper-paving	$73.18	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Cement Finisher Tender	$71.10	**15J**	**11X**	**9N**
Laborers	Change House Or Dry Shack	$71.10	**15J**	**11X**	**9N**
Laborers	Chipping Gun (30 Lbs. And Over)	$72.33	**15J**	**11X**	**9N**
Laborers	Chipping Gun (Under 30 Lbs.)	$71.10	**15J**	**11X**	**9N**
Laborers	Choker Setter	$71.10	**15J**	**11X**	**9N**
Laborers	Chuck Tender	$71.10	**15J**	**11X**	**9N**
Laborers	Clary Power Spreader	$72.33	**15J**	**11X**	**9N**
Laborers	Clean-up Laborer	$71.10	**15J**	**11X**	**9N**
Laborers	Concrete Dumper/Chute Operator	$73.18	**15J**	**11X**	**9N**
Laborers	Concrete Form Stripper	$71.10	**15J**	**11X**	**9N**
Laborers	Concrete Placement Crew	$73.18	**15J**	**11X**	**9N**
Laborers	Concrete Saw Operator/Core Driller	$72.33	**15J**	**11X**	**9N**
Laborers	Crusher Feeder	$60.82	**15J**	**11X**	**9N**
Laborers	Curing Laborer	$71.10	**15J**	**11X**	**9N**
Laborers	Demolition: Wrecking & Moving (Incl. Charred	$71.10	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	Material)				
Laborers	Ditch Digger	$71.10	**15J**	**11X**	**9N**
Laborers	Diver	$73.18	**15J**	**11X**	**9N**
Laborers	Drill Operator (Hydraulic, Diamond)	$72.33	**15J**	**11X**	**9N**
Laborers	Dry Stack Walls	$71.10	**15J**	**11X**	**9N**
Laborers	Dump Person	$71.10	**15J**	**11X**	**9N**
Laborers	Epoxy Technician	$71.10	**15J**	**11X**	**9N**
Laborers	Erosion Control Worker	$71.10	**15J**	**11X**	**9N**
Laborers	Faller & Bucker Chain Saw	$72.33	**15J**	**11X**	**9N**
Laborers	Fine Graders	$71.10	**15J**	**11X**	**9N**
Laborers	Firewatch	$60.82	**15J**	**11X**	**9N**
Laborers	Form Setter	$73.18	**15J**	**11X**	**9N**
Laborers	Gabian Basket Builders	$71.10	**15J**	**11X**	**9N**
Laborers	General Laborer	$71.10	**15J**	**11X**	**9N**
Laborers	Grade Checker & Transit Person	$75.00	**15J**	**11X**	**9N**
Laborers	Grinders	$71.10	**15J**	**11X**	**9N**
Laborers	Grout Machine Tender	$71.10	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Groutmen (Pressure) Including Post Tension Beams	$72.33	**15J**	**11X**	**9N**
Laborers	Guardrail Erector	$71.10	**15J**	**11X**	**9N**
Laborers	Hazardous Waste Worker (Level A)	$73.18	**15J**	**11X**	**9N**
Laborers	Hazardous Waste Worker (Level B)	$72.33	**15J**	**11X**	**9N**
Laborers	Hazardous Waste Worker (Level C)	$71.10	**15J**	**11X**	**9N**
Laborers	High Scaler	$73.18	**15J**	**11X**	**9N**
Laborers	Jackhammer	$72.33	**15J**	**11X**	**9N**
Laborers	Laserbeam Operator	$72.33	**15J**	**11X**	**9N**
Laborers	Maintenance Person	$71.10	**15J**	**11X**	**9N**
Laborers	Manhole Builder-Mudman	$72.33	**15J**	**11X**	**9N**
Laborers	Material Yard Person	$71.10	**15J**	**11X**	**9N**
Laborers	Mold Abatement Worker	$71.10	**15J**	**11X**	**9N**
Laborers	Motorman-Dinky Locomotive	$75.05	**15J**	**11X**	**9N**
Laborers	nozzleman (concrete pump, green cutter when using combination of high	$75.00	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)				
Laborers	Pavement Breaker	$72.33	**15J**	**11X**	**9N**
Laborers	Pilot Car	$60.82	**15J**	**11X**	**9N**
Laborers	Pipe Layer (Lead)	$75.00	**15J**	**11X**	**9N**
Laborers	Pipe Layer/Tailor	$72.33	**15J**	**11X**	**9N**
Laborers	Pipe Pot Tender	$72.33	**15J**	**11X**	**9N**
Laborers	Pipe Reliner	$72.33	**15J**	**11X**	**9N**
Laborers	Pipe Wrapper	$72.33	**15J**	**11X**	**9N**
Laborers	Pot Tender	$71.10	**15J**	**11X**	**9N**
Laborers	Powderman	$73.18	**15J**	**11X**	**9N**
Laborers	Powderman's Helper	$71.10	**15J**	**11X**	**9N**
Laborers	Power Jacks	$72.33	**15J**	**11X**	**9N**
Laborers	Power Washer	$71.10	**15J**	**11X**	**9N**
Laborers	Railroad Spike Puller - Power	$72.33	**15J**	**11X**	**9N**
Laborers	Raker - Asphalt	$75.00	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Re-timberman	$73.18	**15J**	**11X**	**9N**
Laborers	Remote Equipment Operator	$72.33	**15J**	**11X**	**9N**
Laborers	Rigger/Signal Person	$72.33	**15J**	**11X**	**9N**
Laborers	Rip Rap Person	$71.10	**15J**	**11X**	**9N**
Laborers	Rivet Buster	$72.33	**15J**	**11X**	**9N**
Laborers	Rodder	$73.18	**15J**	**11X**	**9N**
Laborers	Scaffold Erector	$71.10	**15J**	**11X**	**9N**
Laborers	Scale Person	$71.10	**15J**	**11X**	**9N**
Laborers	Sloper (Over 20")	$72.33	**15J**	**11X**	**9N**
Laborers	Sloper Sprayer	$71.10	**15J**	**11X**	**9N**
Laborers	Spreader (Concrete)	$73.18	**15J**	**11X**	**9N**
Laborers	Stake Hopper	$71.10	**15J**	**11X**	**9N**
Laborers	Stock Piler	$71.10	**15J**	**11X**	**9N**
Laborers	Swinging Stage/Boatswain Chair	$60.82	**15J**	**11X**	**9N**
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$72.33	**15J**	**11X**	**9N**
Laborers	Tamper (Multiple & Self-propelled)	$72.33	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$72.33	**15J**	**11X**	**9N**
Laborers	Toolroom Person (at Jobsite)	$71.10	**15J**	**11X**	**9N**
Laborers	Topper	$71.10	**15J**	**11X**	**9N**
Laborers	Track Laborer	$71.10	**15J**	**11X**	**9N**
Laborers	Track Liner (Power)	$72.33	**15J**	**11X**	**9N**
Laborers	Traffic Control Laborer	$64.78	**15J**	**11X**	**9P**
Laborers	Traffic Control Supervisor	$68.42	**15J**	**11P**	**9C**
Laborers	Traffic Control Supervisor	$68.42	**15J**	**11X**	**9P**
Laborers	Truck Mounted Attenuator	$64.78	**15J**	**11X**	**9P**
Laborers	Truck Spotter	$71.10	**15J**	**11X**	**9N**
Laborers	Tugger Operator	$72.33	**15J**	**11X**	**9N**
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$254.08	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$259.24	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$263.01	**15J**	**11X**	**9Q**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$268.85	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$271.02	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$276.25	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$278.20	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$280.25	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$282.30	**15J**	**11X**	**9Q**
Laborers	Tunnel Work-Guage and Lock Tender	$75.05	**15J**	**11X**	**9N**
Laborers	Tunnel Work-Miner	$75.05	**15J**	**11X**	**9N**
Laborers	Vibrator	$73.18	**15J**	**11X**	**9N**
Laborers	Vinyl Seamer	$71.10	**15J**	**11X**	**9N**
Laborers	Watchman	$55.62	**15J**	**11X**	**9N**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Laborers	Welder	$72.33	**15J**	**11X**	**9N**
Laborers	Well Point Laborer	$72.33	**15J**	**11X**	**9N**
Laborers	Window Washer/Cleaner	$55.62	**15J**	**11X**	**9N**
Laborers - Underground Sewer & Water	General Laborer & Topman	$71.10	**15J**	**11X**	**9N**
Laborers - Underground Sewer & Water	Pipe Layer	$72.33	**15J**	**11X**	**9N**
Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$55.62	**15J**	**11X**	**9N**
Landscape Construction	Landscape Operator	$92.99	**15J**	**3K**	**8X**
Landscape Maintenance	Groundskeeper	$17.13		**1**	
Lathers	Journey Level	$84.77	**15O**	**11S**	
Marble Setters	Journey Level	$82.00	**7E**	**1N**	
Metal Fabrication (In Shop)	Fitter	$27.10	**6T**	**2U**	
Metal Fabrication (In Shop)	Laborer	$17.13	**6T**	**2U**	
Metal Fabrication (In Shop)	Layerout	$30.63	**6T**	**2U**	
Metal Fabrication (In Shop)	Machine Operator	$20.86	**6T**	**2U**	
Metal Fabrication (In Shop)	Welder	$24.74	**6T**	**2U**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Millwright	Journey Level	$80.28	**15J**	**4C**	
Modular Buildings	Cabinet Assembly	$17.13		**1**	
Modular Buildings	Electrician	$17.13		**1**	
Modular Buildings	Equipment Maintenance	$17.13		**1**	
Modular Buildings	Plumber	$17.13		**1**	
Modular Buildings	Production Worker	$17.13		**1**	
Modular Buildings	Tool Maintenance	$17.13		**1**	
Modular Buildings	Utility Person	$17.13		**1**	
Modular Buildings	Welder	$17.13		**1**	
Painters	Journey Level	$58.84	**6Z**	**11J**	
Pile Driver	Crew Tender	$80.50	**15J**	**11U**	**9L**
Pile Driver	Journey Level	$89.43	**15J**	**11U**	
Plasterers	Journey Level	$81.34	**7Q**	**1R**	
Plasterers	Nozzleman	$85.44	**7Q**	**1R**	
Playground & Park Equipment Installers	Journey Level	$17.13		**1**	
Plumbers & Pipefitters	Journey Level	$99.87	**5A**	**1G**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Asphalt Plant Operator	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Assistant Engineer	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators	Barrier Machine (zipper)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Batch Plant Operator: Concrete	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Bobcat	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Brokk - Remote Demolition Equipment	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Brooms	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Bump Cutter	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Cableways	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Chipper	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Compressor	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	$94.54	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Concrete Finish Machine - laser Screed	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Conveyors	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Cranes Friction: 200 tons and over	$90.88	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes, A-frame: 10 tons and under	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$87.42	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$90.00	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including	$90.88	**7A**	**11H**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	jib with attachments				
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: Friction cranes through 199 tons	$90.00	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Crusher	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Deck Engineer/deck Winches (power)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Derricks: on building work	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators	Dozers D-9 & Under	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Drilling Machine	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar	$93.71	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	Equipment				
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets,etc.	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Gradechecker/stakeman	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Guardrail punch/Auger	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Horizontal/directional Drill Locator	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Horizontal/directional Drill Operator	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$82.95	**7A**	**11H**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Hydralifts/boom trucks: over 10 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Loader, Overhead 8 Yards. & Over	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Loaders, Overhead Under 6 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Loaders, Plant Feed	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Loaders: Elevating Type Belt	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Locomotives, All	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Material Transfer Device	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Mechanics: all (Leadmen - $0.50 per hour over mechanic)	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators	Motor patrol graders	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch	$88.89	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	Seeding Operator				
Power Equipment Operators	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$87.42	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type: 100 tons and over	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators	Pavement Breaker	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Pile Driver (other Than Crane Mount)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Posthole Digger, Mechanical	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Power Plant	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Pumps - Water	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Quad 9, HD 41, D10 And Over	$94.54	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Quick Tower: no cab, under 100 feet in height based to boom	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Rigger and Bellman	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Rollagon	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Roller, Other Than Plant Mix	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Roto-mill, Roto-grinder	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Saws - Concrete	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Scrapers - Concrete & Carry All	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$94.54	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Service Engineers: equipment	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Shotcrete/gunite Equipment	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$96.49	**15J**	**3K**	**8X**
Power Equipment Operators	Slipform Pavers	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Spreader, Topsider & Screedman	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Subgrader Trimmer	$93.71	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Tower Bucket Elevators	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$90.00	**7A**	**11H**	**8X**
Power Equipment Operators	Tower crane: up to 175' in height base to boom	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators	Tower Cranes: over 250' in height from base to boom.	$90.88	**7A**	**11H**	**8X**
Power Equipment Operators	Transporters, All Track Or Truck Type	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators	Trenching Machines	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$87.42	**7A**	**11H**	**8X**
Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators	Truck Mount Portable Conveyor	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators	Welder	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators	Wheel Tractors, Farmall Type	$88.89	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators	Yo Yo Pay Dozer	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operator	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator: Concrete	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bobcat	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brooms	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bump Cutter	$93.71	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Cableways	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Chipper	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Compressor	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - laser Screed	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Conveyors	$92.99	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	$90.88	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$87.42	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$90.00	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$90.88	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$90.00	**7A**	**11H**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Crusher	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Derricks: on building work	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drilling Machine	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$93.71	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets,etc.	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Guardrail punch/Auger	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	$92.99	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Locomotives, All	$93.71	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Mechanics: all (Leadmen - $0.50 per hour over mechanic)	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Motor patrol graders	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$87.42	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$88.20	**7A**	**11H**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Power Plant	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pumps - Water	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quad 9, HD 41, D10 And Over	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height based to boom	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$94.54	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Rigger and Bellman	$82.95	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rollagon	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	$92.99	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Service Engineers: equipment	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shotcrete/gunite Equipment	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$95.52	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$96.49	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	$94.54	**15J**	**3K**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$90.00	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$89.09	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom.	$90.88	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	$94.54	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Trenching Machines	$92.99	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$87.42	**7A**	**11H**	**8X**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Equipment Operators- Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$86.75	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$93.71	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Welder	$88.20	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	$88.89	**15J**	**3K**	**8X**
Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	$93.71	**15J**	**3K**	**8X**
Power Line Clearance Tree Trimmers	Journey Level In Charge	$69.62	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Spray Person	$65.89	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Equipment Operator	$69.62	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer	$62.19	**5A**	**4A**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$45.73	**5A**	**4A**
Refrigeration & Air Conditioning Mechanics	Journey Level	$106.46	**5A**	**1G**
Residential Brick Mason	Journey Level	$35.53		**1**
Residential Carpenters	Journey Level	$32.32		**1**
Residential Cement Masons	Journey Level	$18.09		**1**
Residential Drywall Applicators	Journey Level	$51.52	**15J**	**4C**
Residential Drywall Tapers	Journey Level	$29.06		**1**
Residential Electricians	Journey Level	$57.29	**6Z**	**1B**
Residential Glaziers	Journey Level	$58.75	**7L**	**1H**
Residential Insulation Applicators	Journey Level	$78.96	**15J**	**4C**
Residential Laborers	Journey Level	$22.90		**1**
Residential Marble Setters	Journey Level	$35.53		**1**
Residential Painters	Journey Level	$22.13		**1**
Residential Plumbers & Pipefitters	Journey Level	$71.41		**1**
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$88.56		**1**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Residential Sheet Metal Workers	Journey Level (Field or Shop)	$57.54	**7F**	**1R**
Residential Soft Floor Layers	Journey Level	$25.84		**1**
Residential Sprinkler Fitters (Fire Protection)	Journey Level	$52.72		**1**
Residential Stone Masons	Journey Level	$35.53		**1**
Residential Terrazzo Workers	Journey Level	$17.13		**1**
Residential Terrazzo/Tile Finishers	Journey Level	$21.96		**1**
Residential Tile Setters	Journey Level	$17.13		**1**
Roofers	Journey Level	$70.70	**5A**	**3H**
Roofers	Using Irritable Bituminous Materials	$73.70	**5A**	**3H**
Sheet Metal Workers	Journey Level (Field or Shop)	$107.92	**7F**	**1E**
Shipbuilding & Ship Repair	New Construction Boilermaker	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Crane Operator	$44.29	**7V**	**1**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Shipbuilding & Ship Repair	New Construction Electrician	$63.26	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$100.83	**15H**	**11C**
Shipbuilding & Ship Repair	New Construction Laborer	$62.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Machinist	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Operating Engineer	$44.29	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Painter	$62.94	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Pipefitter	$64.14	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Rigger	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Sheet Metal	$63.02	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$44.29	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Welder / Burner	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Boilermaker	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	**7X**	**4J**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	**7Y**	**4K**
Shipbuilding & Ship Repair	Ship Repair Electrician	$63.26	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$100.83	**15H**	**11C**
Shipbuilding & Ship Repair	Ship Repair Laborer	$62.85	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Machinist	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	**7Y**	**4K**
Shipbuilding & Ship Repair	Ship Repair Painter	$62.94	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Pipefitter	$64.14	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Rigger	$63.08	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$63.02	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	**7Y**	**4K**
Sign Makers & Installers (Electrical)	Journey Level	$18.04		**1**
Sign Makers & Installers (Non-Electrical)	Journey Level	$17.13		**1**
Soft Floor Layers	Journey Level	$70.17	**15J**	**4C**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Solar Controls For Windows	Journey Level	$17.13		1	
Sprinkler Fitters (Fire Protection)	Journey Level	$107.94	5C	1X	
Stage Rigging Mechanics (Non Structural)	Journey Level	$17.13		1	
Stone Masons	Journey Level	$82.00	7E	1N	
Street And Parking Lot Sweeper Workers	Journey Level	$17.13		1	
Surveyors	Assistant Construction Site Surveyor	$86.75	7A	11H	8X
Surveyors	Chainman	$82.95	7A	11H	8X
Surveyors	Construction Site Surveyor	$88.20	7A	11H	8X
Surveyors	Drone Operator (when used in conjunction with surveying work only)	$82.95	7A	11H	8X
Surveyors	Ground Penetrating Radar	$82.95	7A	11H	8X
Telecommunication Technicians	Journey Level	$64.34	6Z	1B	
Telephone Line Construction - Outside	Cable Splicer	$42.62	5A	2B	
Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.97	5A	2B	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$35.60	**5A**	**2B**
Telephone Line Construction - Outside	Telephone Lineperson	$40.28	**5A**	**2B**
Terrazzo Workers	Journey Level	$73.71	**7E**	**1N**
Tile Setters	Journey Level	$71.71	**7E**	**1N**
Tile, Marble & Terrazzo Finishers	Finisher	$62.54	**7E**	**1N**
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work (Group 1)	$98.49	**15L**	**1K**
Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices (Group 2)	$62.69	**15L**	**1K**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	$98.49	**15L**	**1K**
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	$98.49	**15L**	**1K**
Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	$98.49	**15L**	**1K**
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	$98.49	**15L**	**1K**
Traffic Control Stripers	Seal coating, slurry coating and other surface	$62.69	**15L**	**1K**

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

	protection (Group 2)				
Truck Drivers	Asphalt Mix Over 16 Yards	$86.20	**15J**	**11M**	**8L**
Truck Drivers	Asphalt Mix To 16 Yards	$85.36	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck	$85.36	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck & Trailer	$86.20	**15J**	**11M**	**8L**
Truck Drivers	Other Trucks	$86.20	**15J**	**11M**	**8L**
Truck Drivers - Ready Mix	Transit Mix	$86.20	**15J**	**11M**	**8L**
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.53		**1**	
Well Drillers & Irrigation Pump Installers	Oiler	$17.13		**1**	
Well Drillers & Irrigation Pump Installers	Well Driller	$18.00		**1**	

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

INTRODUCTION TO THE SPECIAL PROVISIONS

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)	APWA General Special Provision
(April 1, 2013 (for WSDOT GSPs, only use date)	
(May 2013, Tumwater GSP)	Tumwater General Special Provision
***(*****)	Project Specific Special Provision***

Text enclosed with *** text / # *** indicates a Tumwater revision to text or number within a standard GSP.

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current edition
- *City of Tumwater Development Guidelines,* current edition

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

General Notes Pertaining to All Work

(November 2023, Tumwater GSP)

Public Convenience and Safety

The Contractor shall provide 48 hours advanced notice to adjacent property owners of impending work, impacts, and interruptions including access restrictions and utility service interruptions.

Conflicting Special Provisions

The Bidder or Contractor shall request clarification on conflicting Special Provisions prior to bidding on project. After bid, determination of controlling special provision in circumstances of Conflict will be the determination of the Engineer. In most cases, Tumwater Special Provisions will control.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Division 1
General Requirements

(March 13, 1995)
This Contract provides for the improvement of *** trenching, traffic control, construction of a new sewer main, abandonment of the existing failed sewer, replacement of existing side sewers and cleanouts, installation of new manholes, connections to existing manholes, bypass pumping, testing *** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-03 Award and Execution of Contract

1-03.3 Execution of Contract
(February 17, 2026 APWA GSP, Option A)

Revise this section to read:

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

Within *** 15 *** 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, if required, any of the following: pre-Award information required by the Contracting Agency as listed under Section 1-02.15, proof of licensure for electrical, HVAC, or plumbing subcontractors. If the Prime Contractor lists themselves as performing electrical, HVAC, or plumbing they are required to submit proof of licensure prior to execution.

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.

1-04 Scope of the Work

1-04.4 Changes
(January 19, 2022 APWA GSP)

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

1-05 Control of Work

1-05.4 Conformity With and Deviations from Plans and Stakes

(May 2024, Tumwater GSP)
Supplement this Section with the following new Sections:

1-05.4(1) Contractor Surveying – General Requirements

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.

***** All staking shall be completed per WSDOT Standard Plan A-10.10. *****

The Contractor shall engage the services of a Professional Land Surveyor who is registered with the State of Washington to oversee, direct and provide adequate equipment and personnel to provide all of the project staking, plan review, calculation of all field stakeout data, project control surveying and project field staking necessary to construct the project in conformance with the Plans, Specifications, Standards, Addendums, and in conformance with standard engineering and surveying practices. The Contractor's Surveyor shall be able to demonstrate the ability to provide competent, qualified personnel and suitable equipment for the project work required. The Engineer may at any time inspect the Contractor's Surveyor's efforts and check as much of the work as is practical. Any errors found will be brought to the Contractor's attention for corrective action.

To establish secondary control network the City will provide the Contractor and Contractor's Surveyor with primary survey control information which will consist of a minimum of three (3) primary horizontal control points and two (2) vertical control points. The Horizontal Control Datum used to reference the design for this project is the Thurston County High Precision Network NAD 83/11 Datum and Vertical Control Datum used to reference the design for this project is NGVD 29 Vertical Datum. Copies of the Contracting Agency provided primary survey control data are available for the bidder's inspection at the office of the Engineer.

The Contractor's Surveyor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, offset stakes and grades necessary for the development and construction of the project. This will include, but is not limited to, clearing limits, right-of-way, easements, trenches, private and public utilities, roadbed, storm, sewer and water systems, grading, curb and gutter, sidewalks, irrigation, paving, channelization, pavement marking, illumination, traffic signals and systems, guardrails and barriers, and signage.

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

The use of City provided CAD files for staking shall be used at the Contractor's own risk. The City does not verify the accuracy of CAD files. If there is a discrepancy between the CAD and Construction Plans, the Construction Plans shall take precedence.

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

The Contractor's Surveyor will also be competent in the technology and knowledgeable of the codes and regulations applicable to land surveying including but not limited to the following:

WAC 196-27A-020
WAC 332-120-030(2)
WAC 332-120-030(3)
RCW 58.09.130

1-05.4(1)A Pre-Staking Meeting

A Pre-Staking Meeting shall be held prior to the start of any construction staking to address any unresolved questions or concerns by the Contractor and/or the Contractor's Surveyor.

The City will provide a digital drawing file of the project in AutoCAD format version 2004 or later to the Contractor's Surveyor for review at least two weeks prior to the pre-staking meeting.

The meeting shall be held with the Engineer, a Contractor representative and the Contractor's Surveyor prior to the commencement of any construction staking.

The Contractor's Surveyor shall provide a written report of his or her findings during the pre-staking meeting expressing any concerns he or she may have as to what was intended by the Engineer, what information might be missing from the Plans or Specifications or clarifications that are necessary for the Surveyor to stake the project.

1-05.4(2) Contractor Surveying – Specific Requirements

The Contractor shall provide a list of the personnel, their qualifications, their position and the equipment the Contractor's Surveyor will be providing to do the work in the office and in the field.

The Contractor's surveyor shall provide all survey work for the Contractor as necessary to complete the Work. This includes, but is not limited to:

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

1. Verifying primary horizontal and vertical control
2. Establishing centerlines of all alignments
3. Establishing clearing limits
4. Establishing grading limits. 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. Establishing the horizontal and vertical location of all drainage features
6. Establishing the horizontal and vertical location of all underground utilities
7. Establishing roadbed and surfacing elevations.
8. Providing references for paving pins
9. Providing location of other permanent features such as signing, illumination, guardrail and barriers.
10. Establishing location of all channelization devices and pavement markings
11. Obtaining permits from the Washington State Department of Natural Resources for removing and replacing all survey monuments that are affected by construction. The City will not be responsible for any documentation required to establish or re-established monuments.
12. Stake and record any changes or revisions to the Plans

If survey stakes are obliterated, knocked over, stolen, or otherwise removed, the Contractor's survey shall re-establish staking at the Engineer's discretion and at no additional cost to the Contracting Agency.

If the Contractor determines, upon completion of staking, that changes to profiles or roadway sections are needed to achieve proper smoothness and drainage to existing or proposed features, the Contractor shall submit these changes to the Engineer for review and approval 10 days prior to beginning the Work.

The Contractor's Surveyor shall provide the City with a digital Record Drawing of the project upon completion of construction. The drawing is to be in AutoCAD format, version 2014 or newer. This drawing shall not contain references (xrefs) to external drawings. This Record Drawing shall contain the following:

a. Formal documentation of exactly how the project was installed. The Record Drawings shall include all construction changes from the original Contract Plans; recorded over the original construction drawings. The City shall withhold *** **$1,000** *** from this Bid item until the Record Drawings are submitted and approved.
b. Any unknown existing utility information not included in the Contract Plans. This digital Record Drawing shall be accompanied with a letter stamped with the Surveyor's seal certifying its accuracy.

To facilitate the establishment of these lines and elevations, the Contracting Agency will provide the Contractor with primary survey control information consisting of descriptions of two primary control points used for the horizontal and vertical control, and descriptions of two additional primary control points for every additional three miles of project length. Primary control points will be described by reference to the project alignment and the coordinate system and elevation datum utilized by the project. In addition, the Contracting Agency will supply horizontal coordinates for the beginning and ending points and for each Point of Intersection (PI) on each alignment included in the project.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

1-05.4(3) 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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

The completed ADA Inspection Form(s) (WSDOT Form 224-020) shall be submitted as a Type 3 Working Drawing and transmitted to the Engineer within 30 calendar days of completing the ADA feature.

1-05.4(4) Payment

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

"Construction Surveying, Staking, and Record Drawings", lump sum.

The lump sum contract price for "Construction Surveying, Staking, and Record Drawings" shall be full pay for all labor, tools, equipment, materials, supervision, and other incidentals utilized to perform the Work specified in Sections 1-05.4(1), 1-05.4(2), and 1-05.4(3).

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 as-built measurements, and transmit the electronic forms to the Engineer shall be completed at no additional cost to the Contracting Agency.

1-05.7 Nonconforming Work
(February 17, 2026 APWA GSP)

Supplement this section with the following:

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. The Engineer has the right to reject all or part of the Nonconforming Work, and the Engineer's decision is final and not subject to protest.

No additional contract time or compensation will be allowed when the Contracting Agency exercises their rights provided by this Section.

1-05.7(1) Identification of Nonconforming Work
Replace this section with the following:

The Contractor is responsible for quality control and shall identify all Nonconforming Work. The Contracting Agency may also identify Nonconforming Work. However, failure by the Contracting Agency to identify Nonconforming Work shall not relieve the Contractor from their responsibility for the quality of the Work, nor shall it constitute acceptance or approval of the Nonconforming Work.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

1-05.7(2) Reporting of Nonconforming Work

Replace this section with the following:

The Contractor shall immediately report all Nonconforming Work to the Engineer and shall include any relevant information known for suggested remediation of Nonconforming Work.

When the Contracting Agency identifies Nonconforming Work, the Engineer will notify the Contractor in writing specifying a time when a remedy must be complete. If the Contractor fails to remedy Nonconforming 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.

1-05.7(3) Remediation of Nonconforming Work

Supplement this section with the following:

The Contractor shall be responsible and bear all costs for remediating Nonconforming Work.

If the Contracting Agency remedies Nonconforming Work after the specified time when a remedy was to be completed, by any means deemed necessary, direct and indirect costs incurred by the Contracting Agency attributable to correcting and remedying Nonconforming Work not corrected by the time provided in the notice, or Work the Contractor failed or refused to perform, shall be paid by the Contractor.

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 Nonconforming Work corrected immediately, have the 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 risk of loss or damage to the public.

When costs are incurred by the Contracting Agency, payment will be deducted by the Engineer from monies due, or to become due, to the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and compensation for removal, repair, replacement and/or correction of the Contractor's Nonconforming Work.

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Add the following new section:

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

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

1-07 Legal Relations and Responsibilities to the Public

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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).

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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
(February 17, 2026 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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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
- *** $$1$$
- $$2$$
- $$3$$ ***

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

5. All insurance coverage maintained or procured pursuant to this agreement shall be endorsed to waive subrogation against the Contracting Agency, its elected or appointed officers, agents, officials, employees, and volunteers or shall specifically allow the Contractor or others providing insurance evidence in compliance with these Specifications to waive their right of subrogation prior to a loss. The Contractor hereby waives its own right of subrogation against the Contracting Agency and shall require similar written express waivers and insurance clauses from each of its subcontractors.

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

1-07.18(5)D Excess or Umbrella Liability

(January 4, 2016 APWA GSP)

The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than *** 1 *** million each occurrence and annual aggregate. This excess or umbrella liability coverage shall be excess over and as least as broad in coverage as the Contractor's Commercial General and Auto Liability insurance

All entities listed under 1-07.18(2) of these Special Provisions shall be named as additional insureds on the Contractor's Excess or Umbrella Liability insurance policy.

This requirement may be satisfied instead through the Contractor's primary Commercial General and Automobile Liability coverages, or any combination thereof that achieves the overall required limits of insurance.

Prosecution and Progress

Add the following new section:

1-08.0(2) Hours of Work

(February 17, 2026 APWA GSP)

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between ***7:00 A.M.***. and ***6:00 P.M.***. ***Monday*** through ***Friday***, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

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

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

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

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the Work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such Work necessitates their presence.)
2. Considering the Work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.

If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll.

1-08.5 Time for Completion

(February 17, 2026 APWA GSP, Option B)

Revise the third and fourth paragraphs to read:

Contract time shall begin on the first working day following the *** 10 *** calendar day after the Notice to Proceed date. If the Contractor starts Work on the project at an earlier date, then contract time shall begin on the first working day when onsite work begins.

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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 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

(March 13, 1995)
This project shall be physically completed within *** 14 *** working days.

1-09 Measurement and Payment

1-09.9 Payments

(July 8, 2024 APWA GSP, Option A)

Supplement this section with the following:

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than $20,000.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

1-09.9 Payments

(February 17, 2026 APWA GSP, Option B)

Delete the fourth paragraph and replace it with the following:

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

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

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

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

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

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

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

The sixth paragraph of Section 1-09.9 is deleted.

Division 2
Temporary Features

2-01 Mobilization

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

(******)

Delete Section 2-01 and replace it with the following:

2-01.1 Description

This Work consists of operations and preparatory Work necessary to become ready to perform the Work or an item of Work.

2-01.3 Construction Requirements

Mobilization consists of preconstruction expenses and the costs of preparatory Work and operations performed by the Contractor typically occurring before 10 percent of the total original amount of an individual Bid Schedule is earned from other Contract items on that Bid Schedule. Items which are not to be included in the item of Mobilization include but are not limited to:

1. Portions of the Work covered by the specific Contract item or incidental Work which is to be included in a Contract item or items.
2. Profit, interest on borrowed money, overhead, or management costs.
3. Costs incurred for mobilizing equipment for force account Work.

2-01.5 Payment

Payment will be by lump sum as “Mobilization”.

Based on the lump sum Contract price for “Mobilization”, partial payments will be made as follows:

1. When 5 percent of the total original Bid Schedule amount is earned from other Contract items on that original Bid Schedule, excluding amounts paid for materials on hand, 50 percent of the Bid Item for mobilization on that original Bid Schedule, 5 percent of the total of that original Bid Schedule, or 5 percent of the total original Contract amount, whichever is the least, will be paid.
2. When 10 percent of the total original Bid Schedule amount is earned from other Contract items on that original Bid Schedule, excluding amounts paid for materials on hand, 100 percent of the Bid Item for mobilization on that original Bid Schedule, 10 percent of the total of that original Bid Schedule, or 10 percent of the total original Contract amount, whichever is the least, will be paid.
3. When the Substantial Completion Date has been established for the project, payment of any remaining amount Bid for mobilization will be paid.

Nothing herein shall be construed to limit or preclude partial payments otherwise provided by the Contract.

2-03 Public Convenience and Safety

2-03.3 Construction Requirements

Construction Under Traffic

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

(November 4, 2024)
Lane, ramp, shoulder, and roadway closures are only permitted as follows:

*** Road closures will not be permitted ***

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 *** 11:00 A.M. *** on the day prior to a holiday or holiday weekend, and

4. Before *** 9:00 A.M. *** on the day after the holiday or holiday weekend.

5. The two-hour period prior to and the two-hour period after the following special events:

   *** No special events determined ***

   It shall be the Contractor's responsibility to obtain the dates and times of all events.

Traffic Delays
When Automated Flagger Assistance Devices (AFADs) or flaggers are used to control traffic, traffic shall not be stopped for more than *** 15 *** minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than *** 15 *** minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the *** 15 *** minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise their work operations to meet the *** 15 *** 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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

2-03.3(1)B Open Trenches

(March 2026, Tumwater GSP)

Replace Section 2-03.3(1)B with the following:

Open trenches within the Travel Way or Auxiliary Lane shall be backfilled and cold patched by the end of the working day. If backfilling cannot be properly

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

completed within a work shift, the Contractor may request the use of steel-plates. If allowed by the Engineer, the following requirements must be met:

1. The steel plates shall be secured around the perimeter with Plate Locks™ road plate securing system or approved equal. Plate securing systems shall be installed according to the manufacturer's recommendation. Temporary HMA or cold-mix wedges around the steel plates shall not be allowed.
2. Wedges or non-asphaltic devices shall be used for leveling as required to eliminate rocking of the plates.
3. Warning signs shall be used to alert motorists of the presence of the steel plates per 2-03.3(1)B3.

The Contractor is responsible for replacing, resecuring, and maintaining the steel plates to provide a safe driving surface at all times.

Steel plates are not allowed in Pedestrian Pathways without the express consent of the Engineer. Steel plates that are allowed for use in Pedestrian Pathways shall be painted with either a non-slip paint, anti-slip tape, or rolled roofing. The transverse edges shall be beveled at 2:1 with a maximum 1/4-inch vertical lip.

2-03.3(1)B2 Steel Plates
(March 2026, Tumwater GSP)

Replace Section 2-03.3(1)B2 with the following:

VACANT

Division 3
Earthwork

3-07 STRUCTURE EXCAVATION

3-07.1 Description

(******)
Supplement section 3-07.1 with the following:

This work consists of furnishing, utilizing, moving, and maintaining a trench safety system.

3-07.3 Construction Requirements

(******)
Supplement section 3-07.3 with the following:

The Contractor shall comply with all applicable state laws, OSHA, WISHA requirements, and Department of Labor and Industries regulations governing trench excavation and pipe laying.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

3-07.4 Measurement

(******)
Supplement section 3-07.4 with the following:

Trench safety system shall be paid for per lump sum regardless of the type, size, and quantity used.

3-07.5 Payment

(******)
Supplement section 3-07.5 with the following:

"Trench Safety System", per lump sum.
The lump sum contract price for "Trench Safety System" shall be full compensation for all labor, tools, equipment, and materials necessary to comply with the requirements stated above.

Division 5
Surface Treatments and Pavements

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

5-04 Hot Mix Asphalt

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)

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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).

***

Reclaimed/recycled asphalt pavement (RAP) or shingles (RAS) will not be allowed.

***

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

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

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

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

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

5-04.2(1)A Vacant

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

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

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (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 *** <0.3 *** million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

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

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

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

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

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

Minimum Surface Temperature for Paving

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

5-04.3(2) Paving Under Traffic

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

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

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

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

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

2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed 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).

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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,

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

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

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

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

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

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

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

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:

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

5-04.3(4)A Crack Sealing

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

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

5-04.3(5)A Vacant

5-04.3(6) Mixing

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

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

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

5-04.3(7) Spreading and Finishing

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

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

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

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

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

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

5-04.3(9) HMA Mixture Acceptance

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

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

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

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

HMA Tolerances and Adjustments

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

   For Aggregates in the mixture:

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

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

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

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

   a. **Aggregates** –2 percent for the aggregate passing the 1½″, 1″, ¾″, ½″, ⅜″, and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

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

5-04.3(9)A Vacant

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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 AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

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

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

- 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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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

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

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

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

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

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A 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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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)

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

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

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

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

5-04.3(12)A2 Longitudinal Joints

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than 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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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 $500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

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

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

5-04.3(14) Planing Bituminous Pavement

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

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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:

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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,

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

11. Approximate times and days for starting and ending daily operations.

5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:

   a. The actual times of starting and ending daily operations.

   b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

   c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.

   d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.

   e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.

   f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

   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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

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.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

Division 7
Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains, and Conduits

7-05 Manholes, Inlets, Catch Basins, and Drywells

7-05.4 Measurement

(******)

Section 7-05.4 is supplemented with the following:

Connect to existing manhole will be measured per each.

7-05.5 Payment

(******)

Section 7-05.5 is supplemented with the following:

"Connect to Existing Manhole" per each
The unit price per each for "Connect to Existing Manhole" shall be full pay for all labor, tools, materials and equipment necessary to connect the new sewer line to existing manholes including core drilling, grout/mortar, rechanneling the manhole for the new connection, and abandoning the old connection.

Sanitary Sewers

Measurement

(******)

Section 7-17.4 is supplemented with the following:

Bypass system – contingency will be measured as a force account item.

Sewer bypass – truck pumping will be measured per day.

8 in. diam. PVC sanitary sewer pipe will be measured by the linear foot.

Sawcutting will be measured by the linear foot.

Payment

(******)

Section 7-17.5 is supplemented with the following:

"Bypass System - Contingency", per force account.

Docusign Envelope ID: B832A272-8B43-86B8-833E-EECFD176E68E

"Bypass System - Contingency" shall be full pay for all labor, tools, materials and equipment necessary to intercept sewage and pump it to the planned downstream manhole using a dedicated bypass system.

"Sewer Bypass – Truck Pumping", per day.
The unit Contract price per day for "Sewer Bypass – Truck Pumping" shall be full pay for all labor, tools, materials and equipment to operate a pump truck for the removal and haul of sewage from an upstream manhole and its delivery to the downstream manhole.

"8 In. Diam. PVC Sanitary Sewer Pipe", per linear foot.
The unit Contract price per linear foot for "8 In. Diam. PVC Sanitary Sewer Pipe" shall be full pay for all labor, tools, materials and equipment to furnish, haul, and assemble in place the completed installation including all wyes, tees, special fittings, and joint materials for the complete installation of the sewer main. All payment for bedding, backfill, and adjustment of manhole inverts will be paid for under separate bid items.

"Sawcutting", per linear foot.
The unit Contract price per linear foot for "Sawcutting" shall be full pay for all labor, tools, materials and equipment to sawcut a clean edge for final paving of the restored trench.

Side Sewers

Measurement

(******)

Section 7-18.4 is supplemented with the following:

Sewer lateral pipe will be measured per linear foot.

Payment

7-18.5.docx
7-19.GR7
7-19.4.GR7
7-19.4.docx
7-19.5.GR7
7-19.5.docx
DIVISION8.GR8
8-14.docx