

CITY OF OTHELLO ENGINEERING DEPARTMENT

**500 East Main Street
Othello, WA 99344
(509) 488-5686**



ASH STREET SAFETY IMPROVEMENTS

PROJECT #20-07

Bid Opening:

May 4, 2021, 2:00 pm

**Shawn Logan
City Administrator**

**Shawn O'Brien, P.E.
City Engineer**

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NOTICE TO CONTRACTORS

ASH STREET SAFETY IMPROVEMENTS

Othello, Washington

Sealed bids will be received at the Othello City Hall, 500 East Main Street, Othello, Washington 99344 until May 4, 2021, 2:00 pm, for the above-named improvement. Said bids will be opened and publicly read at that time. All bids shall be received before said opening time in sealed envelopes with ASH STREET SAFETY IMPROVEMENTS marked plainly thereon.

All bids shall be accompanied by a deposit in the form of a postal money order, cashier's check, or bond in an amount equal to 5 percent of the maximum total amount of the bid. Should the successful bidder fail to enter into a contract or furnish a satisfactory contract bond within the time stated in the specifications, the deposit shall be forfeited to the City.

Plans and specifications may be obtained at no cost via electronic transmission from the City of Othello. Paper copies of the plans and specifications may also be obtained from the City at the above address for a non-refundable fee of \$50.00. Plans and specifications can be requested by responding to this email, or by calling the Contact person listed below during normal business hours. Copies of plans and specifications are on file for review at various construction councils.

All bidders shall call 509-331-2711 prior to bid opening to sign up as a bidder on the project, whether or not they request a hard copy or obtain a digital copy of the Specifications. Bids received from bidders who are not signed in as a bidder on the project will be rejected for being non-responsive.

Contact person: Shawn O'Brien

PROJECT DESCRIPTION: This project consists of removing existing curb, gutter, sidewalk, and asphalt pavement to construct thirty (30) bulb-outs with ramps and 310 square yards of sidewalk and driveway.

Estimated Project Cost: \$700,000

The City Council reserves the right to reject any or all bids if such action is in the best interest of the City.

Publish – Sun Tribune: April 14th and 21st, 2021

INSTRUCTIONS TO BIDDERS

1. INTERPRETATIONS AND ADDENDA

No oral interpretations will be made to any bidder as to the meaning of the specifications and drawings. Interpretations, if made, shall be written in the form of an addendum and sent to all bidders to whom the specifications have been issued.

2. EXAMINATION OF THE SITE

Each bidder shall visit the site of the proposed work to be fully acquainted with the conditions and difficulties attending the performance of the contract. No additional compensation nor relief from any obligations of the contract will be granted because of a lack of knowledge of the site or the conditions under which the work will be accomplished.

3. BID

Any bid that contains items not specified, or that does not complete all the items scheduled for bidding, among other items is Section 1-02.13(1), shall be considered irregular and may be rejected on that basis.

4. SIGNATURE AND LEGIBILITY

The prices for work and the names and addresses of the bidders shall be clearly and legibly written. Signatures shall be signed in the spaces provided and in compliance with all legal requirements among other items in Section 1.02.6.

5. PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE

Refer to Section 1-07.18 of the Special Provisions.

BIDDER'S CHECKLIST

The bidder's attention is especially called to the following items that shall be fully executed and submitted with the bid:

1. Proposal - The unit prices bid shall be shown in the spaces provided. Furthermore, by signing the proposal, the bidder is declaring **that they have read and agree to the provisions of the Non-Collusion Declaration and to the provisions of the Indemnification and Waiver Acknowledgment.**
2. Bid Deposit - Bid Deposits shall be in an amount equal to 5 percent of the maximum total amount of the bid proposal. Bid deposits shall be in the form of a postal money order, cashier's check, or Bid Bond. The amount of the Bid deposit shall be shown in dollars or as a percentage basis. When a bid bond is submitted, the Bid Bond form shall be executed by the surety company on the Bid Bond form that is provided with the contract provisions.
3. Addendums - All addendums that have been issued for the project shall be signed by the bidder and included with the proposal. The bidder shall verify whether or not addendums have been issued for the project prior to bid opening.

The following forms shall be executed within 10 calendar days after the notification of award:

1. Contract - To be executed by the successful bidder
2. Contract Bond - To be executed by the successful bidder and the bidder's surety company.
3. Certification of Compliance with Wage Payment Statutes – To be executed by the successful bidder.
4. Proof of Insurance Coverage - Provide one copy certifying insurance coverage in the amount specified, and with the following endorsement: "The City of Othello is an Additional Insured as pertains to this project." The Proof of Insurance Coverage shall include Form B, Additional Insured - Owners, Lessees, or Contractors.
5. Request to Sublet Work - One copy for each subcontractor. This document must be signed by Contractor's surety.
6. Power of Attorney - Required for the person signing on behalf of the bidder's Bonding Company.
7. Contractor's Declaration of Intent.
8. City of Othello Business License - A current business license is required for the contractor and subcontractors.

In addition, prior to start of construction, the Contractor shall:

1. Submit a construction schedule that shows completion of the project within the time specified.
2. Arrange for a pre-construction conference between the Contractor, subcontractors, contractor's superintendent on the project, utilities, and the Engineering Division of the City of Othello.
3. Submit a material list that shows all materials the Contractor proposes to use on the project. Construction shall not start until a materials list has been approved by the Engineer.

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION

ASH STREET SAFETY IMPROVEMENTS

PROJECT #20-07

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

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

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

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

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

From DOT form 272-0361 EF, Revised 07/2011

ASH STREET SAFETY IMPROVEMENTS

PROPOSAL

Page 1 of 3

TO: OTHELLO CITY COUNCIL	DATE: _____
CONTRACTOR'S NAME: _____	
CONTRACTOR'S LICENSE NUMBER: _____	
CONTRACTOR'S UBI NUMBER: _____	
INDUSTRIAL INSURANCE ACCOUNT NUMBER: _____	
EMPLOYMENT SECURITY DEPARTMENT NUMBER: _____	
STATE EXCISE TAX REGISTRATION NUMBER: _____	
PHONE NO: _____	E-MAIL: _____
CONTRACTOR'S MAILING ADDRESS _____ _____	

PROJECT #20-07

By my undersigned signature below, I certify that I have personally examined the location and construction details of work as outlined in the plans and specifications for the **ASH STREET SAFETY IMPROVEMENTS**, and have read and thoroughly understand the plans and specifications and hereby propose to undertake and complete the work embraced in this improvement in accordance with those plans and specifications at the following schedule of rates and prices.

Work on the Base Bid Contract shall be completed within **80 WORKING DAYS**. The Contractor may request (in writing) that the "Notice to Proceed" be delayed by up to two weeks, but no work can be performed during this time. This request shall be made before the "Notice to Proceed" has been issued. If said work is not completed within the time specified, the Contractor agrees to pay the City liquidated damages as described in the Contract.

PROPOSAL OPENING: **May 4, 2021, 2:00 pm**

NOTE: UNIT PRICES FOR ALL ITEMS, ALL EXTENSIONS, AND TOTAL AMOUNT OF BID MUST BE SHOWN.

ASH STREET SAFETY IMPROVEMENTS

ASH STREET SAFETY IMPROVEMENTS

Proposal - Page 2 of 3

Schedule A

ITEM NO.	ITEM DESCRIPTION	REFERENCE	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization	1-09.7	1	LS	\$	\$
2	Project Temporary Traffic Control	1-10	1	LS	\$	\$
3	Remove Curb and Gutter	2-02	45	LF	\$	\$
4	Remove Cement Concrete Sidewalk	2-02	10	SY	\$	\$
5	Remove Cement Concrete Driveway	2-02	15	SY	\$	\$
6	Sawcut Pavement or Concrete	2-02	100	LF	\$	\$
7	Sawcut Curb Tapers	2-02	60	LF	\$	\$
8	Cement Concrete Curb and Gutter, Type A	8-04	45	LF	\$	\$
9	Cement Concrete Sidewalk	8-14	220	SY	\$	\$
10	Cement Concrete Driveway	8-14	90	SY	\$	\$
11	Bulb-Outs 1-2	8-14	1	LS	\$	\$
12	Bulb-Outs 3-4	8-14	1	LS	\$	\$
13	Bulb-Outs 5-8	8-14	1	LS	\$	\$
14	Bulb-Outs 9-12	8-14	1	LS	\$	\$
15	Bulb-Outs 13-16	8-14	1	LS	\$	\$
16	Bulb-Outs 17-20	8-14	1	LS	\$	\$
17	Bulb-Outs 21-24	8-14	1	LS	\$	\$
18	Bulb-Outs 25-27	8-14	1	LS	\$	\$
19	Bulb-Outs 28-30	8-14	1	LS	\$	\$
20	Minor Changes	1-04.4(1)	1	EST	\$ -1.00	\$ -1.00
21	ADA Features Surveying	1-05.4	1	LS	\$	\$
SUBTOTAL						\$
SALES TAX 0.0%						\$
TOTAL						\$

The undersigned, under penalty of perjury under the laws of the State of Washington, does hereby certify that;

1. **The above is a true and honest bid;**
2. **The undersigned has read and agrees to the provisions of the Non-Collusion Declaration;**
3. **The undersigned has read and agrees to the provisions of the Indemnification and Waiver Acknowledgment.**

Name of Firm _____

By _____ Signature _____

Title _____ Date _____, 2021.

BID BOND

_____, as Principal,
and _____, a Corporation duly
organized under the laws of the State of _____ and authorized to do business in the State of
Washington as Surety, are jointly and severally held and firmly bound to the City of Othello, Washington in the
penal sum of _____ being five (5) percent of the maximum total amount of the bid
proposal of said Principal for the work hereinafter described, for the payment of which the Principal and the
Surety bind themselves, their heirs, executors, administrators, successors and assigns.

The condition of this obligation is such that if the City of Othello shall make any award to the Principal for **ASH STREET SAFETY IMPROVEMENTS, PROJECT #20-07**, according to the terms of the proposal made by the Principal for such work, which proposal is attached hereto, and the Principal shall duly enter into a contract with the City of Othello in accordance with the terms of that proposal or bid award and shall provide a contract bond for the faithful performance of that obligation approved by the City of Othello; or if the Principal shall, in case of failure to do so, pay and forfeit to the City of Othello the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect, and the Surety shall forthwith pay and forfeit to the City of Othello as penalty and liquidated damages, the amount of this bond.

The Principal and Surety have executed these presents personally or by authorized representatives on this ____ day of _____, 2021.

SURETY

PRINCIPAL

BY

BY

TITLE

TITLE

SURETY'S PHONE NO

DATE

CITY OF OTHELLO

CONTRACT

Project: ASH STREET SAFETY IMPROVEMENTS
Contract No. PROJECT #20-07

1. **Parties and Date:** This contract is entered into at Othello, Washington on _____, 2021 by and between the City of Othello a municipal corporation, and _____, herein the Contractor:
2. **Agreement:** In consideration of the terms and conditions contained herein and those conditions, specifications, and terms attached and made a part of this agreement, the parties covenant and agree as follows:
 - 2.1 The Contractor shall obtain all required permits and shall do all work and furnish all materials, tools, and equipment for the **ASH STREET SAFETY IMPROVEMENTS** in accordance with and as described in the plans and specifications furnished by the City of Othello. The Contractor shall perform any alterations in or additions to the work provided under this contract and every part thereof.
 - 2.2 Work shall start after the issuance of the Notice to Proceed and shall be completed within _____ (____) working days as specified in Section 1-08.4 of the General Requirements.
 - 2.3 The City of Othello shall pay the Contractor for the performance of this contract subject to any additions or deductions provided for herein, in a sum not to exceed _____ (\$ _____), which includes all expenses for material, manpower, equipment, taxes and fees, etc.
 - 2.4 The City of Othello and Contractor recognize that time is of the essence of this contract and the city will suffer significant loss if the contract is not completed and the facilities are not fully usable for their intended purpose within the time specified in paragraph 2.2 above. Therefore, if the work is not completed within the time specified, the Contractor acknowledges that failure to complete the work within that time shall constitute a material breach under the contract entitling the City to terminate and reserving to City all rights to make any claim for actual damages as a result of such failure and termination. City and Contractor further acknowledge that even a minimal delay in the project completion can result in significant liability to City and hence any unapproved delay shall constitute a material breach entitling City to its available remedies at law. Upon termination for delay, the Contractor is not entitled to further payment until the work is finished. If the costs to the City in completing the work exceed the unpaid balance, the Contractor shall pay the difference to the City.

- 2.5 The City of Othello and Contractor recognize that time is of the essence of this contract and the city will suffer financial loss if the work is not completed within the time specified in paragraph 2.3 above. They also recognize the inconvenience, expense and difficulties involved in a legal proceeding to prove the actual loss suffered by the City if the work is not completed within the time allowed in the Contract. Accordingly, the City and the Contractor agree that as liquidated damages for delay, and not as a penalty, the Contractor shall pay the City the sum of \$1000 per day for each working day this work remains uncompleted and after expiration of the specified time, as liquidated damages.
- 2.6 The City of Othello promises and agrees with the Contractor to employ and does employ the Contractor to provide the materials and to do and cause to be done, work described above and to complete and finish the same according to the plans and specifications attached hereto as Exhibit 1 and the terms and conditions contained herein and contracts to pay for the same according to the specifications and the proposal attached hereto, at the time and in the manner and upon the conditions provided for in this contract.
- 2.7 The Contractor for itself, and for its heirs, executors, administrators, successors, and assigns, does agree to the full performance of all the covenants contained herein upon the part of the Contractor.
- 2.8 It is further agreed that no liability shall attach to the City of Othello by reason of entering into this contract, except as expressly provided herein.
- 2.9 The Contractor understands that this Project is subject to Washington state laws governing public works contracts and payment of prevailing wages and shall comply with any and all laws governing public works contracts and projects and payment of prevailing wages. It shall be Contractor's sole responsibility to determine the prevailing wage amount for each employee and to insure payment thereof.
3. **Contractor's Representations:** In order to induce the City of Othello to enter into this Contract, Contractor makes the following representations:
- 3.1 Contractor has familiarized himself with the nature and extent of the Contract Documents, Work, locality, and with all local conditions and federal, state, and local laws, ordinances, rules, and regulations that in any manner may affect cost, progress, or performance of the Work.
- 3.2 Contractor has studied carefully all reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress, or performance of the Work which were relied upon by Engineer in the preparation of the Drawings and Specifications.
- 3.3 Contractor has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports and

studies (in addition to or to supplement those referred to in Paragraph 3.2 above) which pertain to the subsurface or physical conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the Work as Contractor considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents; and no additional examinations, investigations, exploration, tests, reports, studies or similar information or data are or will be required by Contractor for such purposes.

- 3.4 Contractor has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or will be required by Contractor in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.
- 3.5 Contractor has correlated the results of all such observations, examinations, investigations, tests, reports, and data with the terms and conditions of the Contract Documents.
- 3.6 Contractor has given Engineer written notice of all conflicts, errors, or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by Engineer is acceptable to Contractor.

4. Miscellaneous provisions:

- 4.1 Contractor shall comply with all requirements contained in the attached Exhibits A-B regarding insurance, indemnification, and payment of prevailing wages. The provisions of Exhibits A-B are incorporated herein as though fully set forth and are by this reference made a part hereof.
- 4.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
- 4.3 City and Contractor each binds himself, his partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, contracts, and obligations contained in the Contract Documents.

- 4.4 The Contractor warrants that the Work furnished shall be free from defects resulting from faulty workmanship, and further warrants that the Work complies with all specified performance criteria. The Contractor agrees to remedy all defects appearing in the Work or developing in the materials supplied and the workmanship performed under this Contract during the warranty period, which shall be one year after date of final acceptance of the Work by the City, and Contractor further agrees to indemnify and save the City harmless from any costs encountered in remedying such defects.

A new warranty period equal to that stated in the above paragraph shall apply to parts supplied in replacement of defective parts or to parts renewed in pursuance of this warranty. The warranty period of the remaining parts shall be extended by a period equal to the period during which the Work is unfit for service as a result of a defect covered by this warranty.

If Contractor refuses to fulfill Contractor's obligation under this warranty, or fails to proceed with due diligence after being required to do so, the City may proceed to do the necessary work at the Contractor's risk and expense.

- 4.5 It is further provided that no liability shall attach to the City by reason of entering into this contract except as expressly provided herein.
- 4.6 Before any work at the site is started, Contractor shall deliver to City with copies to the Engineer and each additional insured identified, certificates of insurance which Contractor is required to purchase and maintain in accordance with the Contract Documents.
- 4.7 The Contractor shall furnish payment and performance bond in an amount equal to the contract price as security for the faithful performance and payment of all Contractor's obligations under the Contract Documents. The bond shall remain in effect at least until one year after the date of final payment, except as otherwise provided by law. The bond shall be in the form prescribed herein and be executed such sureties as are licensed to conduct business in the State of Washington, and are named in the current list of "companies Holding Certificates of authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring companies" as published in circular 570 (amended) by the Audit Staff Bureau of Accounts, U.S. Treasury Department. All bonds signed by an agent must be accompanied by a certified copy of authority to act. The surety company executing bonds shall have a Best's Guide rating A-VII or better. Date on the bond must not be prior to the date of the Contract. If Contractor is Partnership, all partners shall execute the bond. If Contractor is a Limited Liability Company, all members shall execute the bond. ENCLOSED BOND FORM MUST BE USED.
- 4.8 The Contract is made with reference to and shall be construed in accordance with the laws of the State of Washington. If a dispute arises under this Contract, resort shall be to litigation and jurisdiction and venue shall be in the Superior Court of Adams County, State of Washington.

5. Claims Procedure

5.1 If the parties fail to reach agreement on the terms of any Change Order for City-directed Work, or on the resolution of any request for an equitable adjustment in the Contract Sum or the Contract Time, Contractor's only remedy shall be to file a Claim with City as provided in this Section.

5.2 Contractor shall file its Claim within the earlier of 30 days from City's final offer or the date of Completion. Any Claim shall be personally delivered to the City and shall be deemed filed on the date it is personally delivered to the Owner at the following address:

Mayor, Shawn Logan; 500 East Main Street, Othello, WA 99344

5.3 The Claim shall be deemed to cover all changes in cost (including direct, indirect, impact, and consequential) and time to which Contractor may be entitled. It shall be fully substantiated and documented. At a minimum, the Claim shall contain the following information:

- a. A detailed factual statement of the Claim for additional compensation and time, if any, providing all necessary dates, locations, and items of Work affected by the Claim;
- b. The date on which facts arose that gave rise to the Claim;
- c. The name of each employee of City and Contractor knowledgeable about the Claim;
- d. The specific provisions of the Contract Documents which support the Claim;
- e. The identification of any documents and the substance of any oral communications that support the Claim;
- f. Copies of any identified documents, other than the Contract Documents, that support the Claim;
- g. If an adjustment in the Contract Time is sought: the specific days and dates for which it is sought; the specific reasons Contractor believes an extension in the Contract Time should be granted;
- h. If an adjustment in the Contract Sum is sought, the exact amount sought and a breakdown of that amount into the categories set forth in, and in the required detail; and
- i. A statement certifying, under penalty of perjury, that the Claim is made in good faith, that the supporting cost and pricing data are true and accurate to the best of Contractor's knowledge and belief, that the Claim is fully supported by the accompanying data, and that the amount requested accurately reflects the

adjustment in the Contract Sum or Contract Time for which Contractor believes the City is liable.

- 5.4 After Contractor has submitted a fully documented Claim that complies with all applicable provisions of this Contract, the City shall respond in writing to Contractor.
- 5.5 To assist in the review of Contractor's Claim, the City may visit the Project site, or request additional information, in order to fully evaluate the issues raised by the Claim. Contractor shall proceed with performance of the Work pending final resolution of any Claim. The City's written decision as set forth above shall be final and conclusive as to all matters set forth in the Claim.
- 5.6 Any Claim of the Contractor against the City for damages, additional compensation, or additional time, shall be conclusively deemed to have been waived by the Contractor unless timely made in accordance with the requirements of this Section.

6. **Execution:** Executed the day and year written above.

City of Othello

By:

APPROVED AS TO FORM:

Kelly Konkright, City Attorney

EXHIBIT A

Indemnification / Hold Harmless

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

Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Contractor and the Owner, its officers, officials, employees, and volunteers, the Contractor's liability hereunder shall be only to the extent of the Contractor's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Contractor's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

A. Insurance Term

The Contractor shall procure and maintain insurance, as required in this Section, without interruption from 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 herein.

B. No Limitation

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

C. Minimum Scope of Insurance

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

1. Automobile Liability insurance covering all owned, non-owned, hired and leased vehicles. Coverage shall be at least as broad as Insurance Services Office (ISO) form CA 00 01.
2. Commercial General Liability insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract. The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement. There shall be no exclusion for liability arising from explosion, collapse or underground property damage. The Owner shall be named as additional insureds under the Contractor's Commercial General Liability insurance policy with respect to the work performed for the Owner

using ISO Additional Insured endorsement CG 20 10 10 01 and Additional Insured-Completed Operations endorsement CG 20 37 10 01 or substitute endorsements providing at least as broad coverage.

3. Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.
4. Builders Risk insurance covering interests of the Owner, the Contractor, Subcontractors, and Sub-subcontractors in the work. Builders Risk insurance shall be on a special perils policy form and shall insure against the perils of fire and extended coverage and physical loss or damage including flood, earthquake, theft, vandalism, malicious mischief, and collapse. The Builders Risk insurance shall include coverage for temporary buildings, debris removal, and damage to materials in transit or stored off-site. This Builders Risk insurance covering the work will have a deductible of \$5,000 for each occurrence, which will be the responsibility of the Contractor. Higher deductibles for flood and earthquake perils may be accepted by the Owner upon written request by the Contractor and written acceptance by the Owner. Any increased deductibles accepted by the Owner will remain the responsibility of the Contractor. The Builders Risk insurance shall be maintained until the Owner has granted substantial completion of the project.
5. Excess or Umbrella Liability insurance shall be excess over and at least as broad in coverage as the Contractor's Commercial General Liability and Automobile Liability insurance. The Owner shall be named as additional insureds on the Contractor's Excess or Umbrella Liability insurance policy. The Excess or Umbrella insurance coverage will drop down when underlying policy aggregate limits are exhausted.

D. Minimum Amounts of Insurance

Contractor shall maintain the following insurance limits:

1. Automobile Liability insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.
2. Commercial General Liability insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate and a \$2,000,000 products-completed operations aggregate limit.
3. Builders Risk insurance shall be written in the amount of the completed value of the project with no coinsurance provisions.
4. Excess or Umbrella Liability insurance shall be written with limits of not less than \$2,000,000 or other per occurrence and annual aggregate. The Excess or Umbrella Liability requirement and limits may be satisfied instead through the Contractor's Commercial General Liability and Automobile Liability insurance, or any combination thereof that achieves the overall required limits.

E. Owner Full Availability of Contractor Limits

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

F. Other Insurance Provision

The Contractor's Automobile Liability, Commercial General Liability and Builders Risk insurance policies are to contain, or be endorsed to contain, that they shall be primary insurance as respect the Owner. Any Insurance, self-insurance, or self-insured pool coverage maintained by the Owner shall be excess of the Contractor's insurance and shall not contribute with it.

G. Contractor's Insurance for Other Losses

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

H. Waiver of Subrogation

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

I. Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of not less than A: VII and licensed to do business in the state of Washington.

J. Verification of Coverage

Contractor shall furnish the Owner with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsements, evidencing the Automobile Liability and Commercial General Liability insurance of the Contractor before commencement of the work. Before any exposure to loss may occur, the Contractor shall file with the Owner a copy of the Builders Risk insurance policy that includes all applicable conditions, exclusions, definitions, terms and endorsements related to this project. Upon request by the Owner, the Contractor shall furnish certified copies of all required insurance policies, including endorsements, required in this contract and evidence of all subcontractors' coverage.

K. Subcontractors

The Contractor shall cause each and every Subcontractor to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by Subcontractors. The Contractor shall ensure that the Owner is an additional insured on each and every Subcontractor's Commercial General liability insurance policy using an endorsement at least as broad as ISO Additional Insured endorsement CG 20 38 04 13.

L. Notice of Cancellation

The Contractor shall provide the Owner and all Additional Insureds for this work with written notice of any policy cancellation within two business days of their receipt of such notice.

M. Failure to Maintain Insurance

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

The Contractor shall indicate any existing claims activity that would affect the aggregate limits. This shall include paid claims, reserve claims, and potential claims.

N. Deductible

Any insurance deductible shall be paid by the Contractor and shall not be greater than 10% of the total "Amount of Bid."

O. Property Insurance

Owner shall not be responsible for purchasing and maintaining any property insurance to protect the interests of Contractor, subcontractors or others in the Work.

EXHIBIT B

Contractor's Agreement to Pay Prevailing Wage Rates

In accordance with the laws of the State of Washington, Chapter 39.12 RCW, the hourly wage to be paid to laborers, workmen or mechanics upon all public works of this State and upon the Work contemplated in this Contract shall not be less than the prevailing rate of wage for an hour's work in the same trade or occupation in the locality within the State where such labor and Work herein contemplated is to be performed.

All laborers, workmen or mechanics shall be paid not less than the minimum hourly rate of wage as determined by the State Industrial Statistician which rates shall be incorporated into this Contract by reference; provided, however, nothing herein contained shall be construed to prohibit the Contractor, subcontractor or other person doing or contracting to do the whole or any part of the Work under this Contract from paying any such laborers, workers or mechanics wages in excess of the hourly minimum rate above specified.

The Contractor, on or before the date of commencement of the Work, shall file a Statement of Intent to Pay Prevailing Wages with the Owner and with the Director of Labor and Industries certifying the rate of hourly wage, including fringe benefits, paid and to be paid each classification of laborers, workers, or mechanics employed upon the Work by the Contractor or subcontractor which shall be filed in accordance with the practices and procedures required by the Department of Labor and Industries.

Wage rates so filed will be checked against prevailing wage rates determined by the Industrial Statistician of the Department of Labor and Industries. If the wage rates are correct, the Department will issue an acknowledgment of approval to the Contractor with a copy to the Owner. If any incorrect wage rates are included, the Contractor will be notified of the correct rates by the Department, and approval will be withheld until a correct statement is received.

Forms for filing a Statement of Intent are available from the Supervisor of Industrial Relations, Department of Labor and Industries, General Administration Building, Olympia, Washington.

Each request submitted by the Contractor for a progress payment on a Project estimate shall state that the prevailing wages have been paid in accordance with the prefiled Statement of Intent to pay prevailing wages on file with the Department of Labor and Industries and approved by the Department Certified wage affidavit listing all classifications and applicable wages paid will not be required for each progress estimate payment, other than the above statement.

At the conclusion of the Project, the Contractor and its subcontractors shall submit affidavits of wages paid to the Industrial Relations Division, Department of Labor and Industries, General Administration Building, Olympia, Washington, 98504, for certification. Form "Affidavit of Wages paid on Public Works Contract" or a similarly constructed form shall be filed to secure the certification of the Director of the Department of Labor and Industries of the State of Washington.

Final payment on the contract will be withheld until the Owner has received certification by the Director that the prevailing wage requirements of the law have been satisfied.

The prevailing rate of wages to be paid to all workers, laborers or mechanics employed in the performance of any part of this Contract shall be in accordance with the provisions of Chapter 39.12 RCW as amended. The rules and regulations of the State of Washington Department of Labor and Industries and the schedule of prevailing wage rates for the locality or localities where this Contract will be performed as determined by the Industrial Statistician of the State of Washington Department of Labor and Industries are by reference made a part of this Contract as though fully set forth herein.

In as much as the Contractor will be held responsible for paying the prevailing wages, it is imperative that all contractors familiarize themselves with the current wage rates before submitting proposals based on these Contract Documents.

In case any dispute arises as to what are the prevailing rates of wages for work of a similar nature and such dispute cannot be adjusted by the parties of interest, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington, and his decision shall be final and conclusive and binding on all parties involved in the dispute as provided for by RCW 39.12.060 as amended.

Current prevailing wage data will be furnished by the Industrial Statistician upon request from the Industrial Relations Division, Department of Labor and Industries, Olympia, Washington, 98504.

The Owner does not guarantee that labor can be procured for the minimum wages in the wage scale. The rates of wages listed are minimum only, below which the Contractor cannot pay, and they do not constitute a representation that labor can be procured for the minimum listed. The Contractor shall ascertain the wages above the minimum set forth that the Contractor may have to pay. Prevailing wage data as of the date specified is included herein as Part 5 for the Contractor's reference.

WASHINGTON PAYMENT BOND

Bond No. _____
Bond Amount \$ _____

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(Corporation, Partnership or Individual)
and

(Name of Surety)

(Address of Surety)

a corporation duly authorized to do a general surety business in Washington, hereinafter called Surety, are jointly and severally held and firmly bound unto the Owner, _____, and the State of Washington, the obligees herein, in the sum of _____ (Dollars) (\$ _____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain Contract with the Owner in accordance with applicable industry standards, regulatory requirements and Owner-supplied specifications dated the _____ day of _____, 2021, a copy of which is attached and made a part hereof for the construction of:

PROJECT #20-07

NOW, THEREFORE, if the Principal shall promptly make payment to all laborers, mechanics, and subcontractors and materialmen and to all persons, firms, corporations, or other entities who furnish equipment, materials, provisions and supplies for or perform labor or other services in carrying on of such Work provided for in such Contract and any authorized extension or modification thereof, including all amounts due for materials, lubricants, provisions, supplies, gasoline, water, power, light, heat, telephone service, repairs on machinery, equipment and tools consumed or used in connection with such Work, and all insurance premiums on said Work, and for all labor performed in such Work whether by subcontractors or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, HOWEVER, that the conditions of this obligation shall not apply to any money loaned or advanced to the Principal or to any subcontractor or other person in the performance of any such work.

PROVIDED FURTHER that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the Work to be performed thereunder, or the Contract Documents accompanying the same, shall in any way affect its obligation on this bond, and it does hereby waive notice of such change, extension of time, alteration or addition to the terms of the Contract or to the Work or to the Contract Documents.

PROVIDED, FURTHER, that the said Surety hereby stipulates and agrees to be bound by the laws of the State of Washington and subject to the jurisdiction of the State of Washington.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed pursuant to RCW Chapter 39.08 in _____ counterparts, each one of which shall be deemed an original, this the _____ day of _____, 2021.

PRINCIPAL:
(Signature must be notarized)

SURETY:
(Signature must be notarized)

By: _____

By: _____

Print: _____

Print: _____

Title: _____

APPROVED AS TO FORM BY CITY ATTORNEY:

By: _____

Date: _____

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute bond. If Contractor is a Limited Liability Company, all members, or managers if manager-managed, should execute bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located. All bonds signed by an agent must be accompanied by a certified copy of the authority to act for the Surety at the time of the signing of this bond. The Surety agrees to be bound by the laws of the State of Washington and subject to the jurisdiction of the State of Washington. The Surety company executing this bond shall have a Best's Guide rating A-VII or better. All signatures on bond must be original.

WASHINGTON PERFORMANCE BOND

Bond No. _____
Bond Amount \$ _____

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(a Corporation, Partnership or Individual)
and

(Name of Surety)

(Address of Surety)

a corporation duly authorized to do a general surety business in Washington, hereinafter called Surety, are jointly and severally held and firmly bound unto the Owner, _____, and the State of Washington, the obligees herein, in the sum of _____ (Dollars) (\$ _____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain Contract with the Owner in accordance with applicable industry standards, regulatory requirements and Owner-supplied specifications, dated the _____ day of _____, 2021, a copy of which is attached and made a part hereof for the construction of:

ASH STREET SAFETY IMPROVEMENTS

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety and during the two-year guaranty period, and if Principal shall satisfy all claims and demands incurred under such Contract, and shall fully defend and indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay all outlay and expense which the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect. PROVIDED, FURTHER that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms

of the Contract or to the Work to be performed thereunder or the Contract Documents accompanying the same shall in any way effect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the Work or to the Contract Documents.

PROVIDED, HOWEVER, that the conditions of this obligation shall not apply to any money loaned or advanced to the Principal or to any subcontractor or other person in the performance of any such work.

PROVIDED, FURTHER, that the said Surety hereby stipulates and agrees to be bound by the laws of the State of Washington and subject to the jurisdiction of the State of Washington.

PROVIDED, FURTHER, that no final settlement between the Owner and the Principal shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

No right of action shall accrue upon, or by reason hereof to, or for the use or benefit of, anyone other than the Owner.

IN WITNESS WHEREOF, this instrument is executed pursuant to RCW Chapter 39.08 in _____ counterparts, each one of which shall be deemed an original, this the _____ day of _____, 2021.

PRINCIPAL:
(Signature must be notarized)

SURETY:
(Signature must be notarized)

By: _____

By: _____

Print: _____

Print: _____

Title: _____

APPROVED AS TO FORM BY CITY ATTORNEY:

By: _____

Date: _____

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute bond. If Contractor is a Limited Liability Company, all members, or managers if manager-managed, should execute bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located. All bonds signed by an agent must be accompanied by a certified copy of the authority to act for the Surety at the time of the signing of this bond. The Surety agrees to be bound by the laws of the State of Washington and subject to the jurisdiction of the State of Washington. The Surety company executing this bond shall have a Best's Guide rating A-VII or better. All signatures on bond must be original.

STATE OF WASHINGTON)
)
COUNTY OF ADAMS) ss.

I certify that I know or have satisfactory evidence that _____ is the person who appeared before me and said person acknowledged that s/he signed this instrument, on oath stated that s/he was authorized to execute the instrument and acknowledged it as _____ of PRINCIPAL, and acknowledged it to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument.

DATED: _____, 2021.

Notary Type or Print Name

NOTARY PUBLIC for State of Washington,

residing at: _____

My commission expires: _____

STATE OF WASHINGTON)
)
COUNTY OF ADAMS) ss.

I certify that I know or have satisfactory evidence that _____ is the person who appeared before me and said person acknowledged that s/he signed this instrument, on oath stated that s/he was authorized to execute the instrument and acknowledged it as _____ of SURETY, and acknowledged it to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument.

DATED: _____, 2021.

Notary Type or Print Name

NOTARY PUBLIC for State of Washington,

residing at: _____

My commission expires: _____

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES

CITY OF OTHELLO

ASH STREET SAFETY IMPROVEMENTS
PROJECT #20-07

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

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

Bidder’s Business Name

Signature of Authorized Official*

Printed Name

Title

Date

City

State

Check One:

Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

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

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

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

CONTRACTOR'S DECLARATION OF INTENT

CITY OF OTHELLO

ASH STREET SAFETY IMPROVEMENTS
PROJECT #20-07

Contractor: _____

Pursuant to RCW 60.28.011, all contractors are required to exercise their option in writing prior to the first payment, to have retainage monies:

- (1) Retained in a fund by the public body.

_____ I hereby REQUEST that retainage on the above contract be placed in a non-interest-bearing account and have signed that agreement below.

- (2) Deposited by the public body in an interest bearing account.

_____ I hereby REQUEST that retainage on the above contract be placed in an interest bearing account and have signed that agreement below.

- (3) Placed in escrow with a bank or trust company by the public body.

_____ I hereby REQUEST that retainage on the above contract be placed in escrow and have signed that agreement.

- (4) Paid to them and submit a bond for all or any portion of the amount of funds retained by the public body in a form acceptable to the City.

_____ I hereby REQUEST a bond in lieu of retainage on the above contract and have signed that agreement.

Signature and Title

Date

BOND IN LIEU OF RETAINAGE

CITY OF OTHELLO

ASH STREET SAFETY IMPROVEMENTS PROJECT #20-07

_____, as Principal, and _____, a corporation organized and existing under the laws of the State of _____, as a surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety are jointly and severally held and firmly bound to the City of Othello, Washington, and are similarly held and bound to the beneficiaries of the trust fund created by RCW 60.28 and to their heirs, executors, administrators, successors and assigns, in the penal sum of _____ dollars, plus five percent (5%) of any increases in the contract amount that have occurred or may occur, due to change orders, increases in quantities or the addition of any new item of work, for the payment of which sum on demand we bind ourselves and our successors, heirs, administrators, or personal representative as the case may be.

This obligation is entered in pursuant to the statutes of the State of Washington, and the ordinances, rules and regulations of the City of Othello, Washington.

The conditions of the obligation evidenced by this Bond are:

1. That the City of Othello on _____, 2021, let to the Principal a certain contract. That contract being numbered **PROJECT #20-07**, and providing for **ASH STREET SAFETY IMPROVEMENTS**.
2. That the City of Othello is required to withhold a percentage of the funds earned by the Principal as retainage.
3. That the Principal, pursuant to Washington law, has requested the release to the Principal of monies held as retainage and the Principal has submitted this Bond in lieu of retainage as permitted by law.
4. If the Principal shall well and timely satisfy the claims of any person having a claim under RCW 60.28, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Principal and Surety have executed these presents personally or by authorized representatives on this _____ day of _____, 2021.

Principal

By _____
(Title)

Surety

By _____
Attorney-in-fact

Approved as to form on the _____ day of _____, 2021.

City Attorney

CITY OF OTHELLO

REQUEST TO SUBLET WORK

ASH STREET SAFETY IMPROVEMENTS CONTRACT AMOUNT: _____

Request No. _____

PROJECT #20-07

Prime Contractor: _____

Address: _____

State Contractor's No. _____

Tax I.D. No. _____

Approval is requested to sublet the following described work to:

Subcontractor Name: _____ Contact: _____

(List complete address, city, state, zip) _____

(List contact name and telephone number & Fax number) _____

State Contractor's No. _____ Tax I.D. No. _____

Estimated Start Date _____ Estimated Working Days _____

Item No.	Partial %	Description of Item	Amount
			\$
			\$
			\$
			\$
			\$
			\$
Total			\$

I understand and will insure that the subcontractor will comply fully with the plans and specifications under which this work is being performed.

Name of Contractor

By

Title Date

Approved Surety

By

Title Date

CITY OF OTHELLO USE ONLY:

1: % of total contract this request: _____

2: % of total contract Previous requests: _____

3: % of total contract sublet to date: _____

Approved: _____
City Engineer Date

INTRODUCTION

This Contract shall be constructed in accordance with the 2021 Standard Specifications for Road, Bridge, and Municipal Construction.

SPECIAL PROVISIONS

Several types of Special Provisions are included in this contract; General, Region, Bridges and Structures, and Project Specific. Special Provisions types are differentiated as follows:

(date)	General Special Provision
(*****)	Notes a revision to a General Special Provision and also notes a Project Specific Special Provision.
(Regions date)	Region Special Provision

General Special Provisions are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a "fill-in".

Region Special Provisions are commonly applicable within the designated Region. Region designations are as follows:

Regions

ER	Eastern Region
NCR	North Central Region
NWR	Northwest Region
OR	Olympic Region
SCR	South Central Region
SWR	Southwest Region
WSF	Washington State Ferries Division

Project Specific Special Provisions normally appear only in the contract for which they were developed.

Division 1 General Requirements

DESCRIPTION OF WORK

(March 13, 1995)

This Contract provides for the improvement of *** Ash Street, 7th Avenue, and 14th Avenue by removing cement concrete sidewalk, removing cement concrete curb & gutter, removing asphalt concrete pavement, removing miscellaneous traffic items, CSTC, HMA, cement concrete traffic curb & gutter, cement concrete sidewalk, cement concrete curb ramps, painted & plastic pavement markings, permanent signing *** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

Definition and Terms

1-01.3 Definitions

(January 4, 2016 APWA GSP)

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

Dates

Bid Opening Date

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

Award Date

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

Contract Execution Date

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

Notice to Proceed Date

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

Substantial Completion Date

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

Physical Completion Date

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

Completion Date

The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date

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

Supplement this Section with the following:

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

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

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

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

1 **Additive**

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

5
6 **Alternate**

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

10
11 **Business Day**

12 A business day is any day from Monday through Friday except holidays as listed in Section
13 1-08.5.

14
15 **Contract Bond**

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

19
20 **Contract Documents**

21 See definition for "Contract".
22

23 **Contract Time**

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

26
27 **Notice of Award**

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

30
31 **Notice to Proceed**

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

35
36 **Traffic**

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

39
40 **1-02 BID PROCEDURES AND CONDITIONS**

41
42 **1-02.1 Prequalification of Bidders**

43
44 Delete this section and replace it with the following:

45
46 **1-02.1 Qualifications of Bidder**

47 *(January 24, 2011 APWA GSP)*
48

49 Before award of a public works contract, a bidder must meet at least the minimum
50 qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be
51 awarded a public works project.
52

1-02.2 Plans and Specifications

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	3	Furnished automatically upon award.
Contract Provisions	3	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	3	Furnished only upon request.

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

1-02.4(1) General

(August 15, 2016 APWA GSP Option A)

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

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

1-02.4(2) Subsurface Information

(March 8, 2013 APWA GSP)

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

The Summary of Geotechnical Conditions and the boring logs, if and when included as an appendix to the Special Provisions, shall be considered as part of the Contract.

1-02.5 Proposal Forms

(July 31, 2017 APWA GSP)

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's

UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

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

1-02.6 Preparation of Proposal (December 10, 2020 APWA GSP, Option B)

Supplement the second paragraph with the following:

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

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

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

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

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

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

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

(August 2, 2004)

The fifth and sixth paragraphs of Section 1-02.6 are deleted.

1-02.7 Bid Deposit (March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;

- 1 5. Signature of the bidder's officer empowered to sign official statements. The signature of
2 the person authorized to submit the bid should agree with the signature on the bond, and
3 the title of the person must accompany the said signature;
- 4 6. The signature of the surety's officer empowered to sign the bond and the power of
5 attorney.
6

7 If so stated in the Contract Provisions, bidder must use the bond form included in the
8 Contract Provisions.
9

10 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.
11

12 **1-02.9 Delivery of Proposal**
13 *(October 1, 2020 APWA GSP, Option A)*
14

15 Delete this section and replace it with the following:
16

17 Each Proposal shall be submitted in a sealed envelope, with the Project Name and Project
18 Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as
19 otherwise required in the Bid Documents, to ensure proper handling and delivery.
20

21 To be considered responsive on a FHWA-funded project, the Bidder may be required to
22 submit the following items, as required by Section 1-02.6:
23

- 24 • DBE Written Confirmation Document from each DBE firm listed on the Bidder's
- 25 completed DBE Utilization Certification (WSDOT 272-056)
- 26 • Good Faith Effort (GFE) Documentation
- 27 • DBE Bid Item Breakdown (WSDOT 272-054)
- 28 • DBE Trucking Credit Form (WSDOT 272-058)
29

30 These documents, if applicable, shall be received either with the Bid Proposal or as a
31 supplement to the Bid. These documents shall be received **no later than 48 hours** (not
32 including Saturdays, Sundays and Holidays) after the time for delivery of the Bid Proposal.
33

34 If submitted after the Bid Proposal is due, the document(s) must be submitted in a sealed
35 envelope labeled the same as for the Proposal, with "Supplemental Information" added. All
36 other information required to be submitted with the Bid Proposal must be submitted with the
37 Bid Proposal itself, at the time stated in the Call for Bids.
38

39 Proposals that are received as required will be publicly opened and read as specified in
40 Section 1-02.12. The Contracting Agency will not open or consider any Bid Proposal that is
41 received after the time specified in the Call for Bids for receipt of Bid Proposals, or received
42 in a location other than that specified in the Call for Bids. The Contracting Agency will not
43 open or consider any "Supplemental Information" (DBE confirmations, or GFE
44 documentation) that is received after the time specified above, or received in a location
45 other than that specified in the Call for Bids.
46

47 If an emergency or unanticipated event interrupts normal work processes of the Contracting
48 Agency so that Proposals cannot be received at the office designated for receipt of bids as
49 specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to
50 be extended to the same time of day specified in the solicitation on the first work day on which
51 the normal work processes of the Contracting Agency resume.
52

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

2 *(July 23, 2015 APWA GSP)*

3
4 Delete this section and replace it with the following:

5
6 After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw,
7 revise, or supplement it if:

- 8
9 1. The Bidder submits a written request signed by an authorized person and physically
10 delivers it to the place designated for receipt of Bid Proposals, and
11 2. The Contracting Agency receives the request before the time set for receipt of Bid
12 Proposals, and
13 3. The revised or supplemented Bid Proposal (if any) is received by the Contracting
14 Agency before the time set for receipt of Bid Proposals.

15
16 If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before
17 the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened
18 Proposal package to the Bidder. The Bidder must then submit the revised or supplemented
19 package in its entirety. If the Bidder does not submit a revised or supplemented package,
20 then its bid shall be considered withdrawn.

21
22 Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded
23 by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to
24 withdraw, revise, or supplement a Bid Proposal are not acceptable.

25
26 **1-02.12 Public Opening of Proposals**

27
28 Supplement this Section with the following:

29
30 *(*****)*

31 ***Date of Opening Bids***

32 Sealed bids are to be received and publicly opened and read in accordance with the "Call
33 For Bids".
34

35 **1-02.13 Irregular Proposals**

36 *(October 1, 2020 APWA GSP)*

37
38 Delete this section and replace it with the following:

- 39
40 1. A Proposal will be considered irregular and will be rejected if:
41 a. The Bidder is not prequalified when so required;
42 b. The authorized Proposal form furnished by the Contracting Agency is not used or
43 is altered;
44 c. The completed Proposal form contains any unauthorized additions, deletions,
45 alternate Bids, or conditions;
46 d. The Bidder adds provisions reserving the right to reject or accept the award, or
47 enter into the Contract;
48 e. A price per unit cannot be determined from the Bid Proposal;
49 f. The Proposal form is not properly executed;
50 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable,
51 as required in Section 1-02.6;
52 h. The Bidder fails to submit or properly complete a Disadvantaged Business
53 Enterprise Certification, if applicable, as required in Section 1-02.6;

- i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
 - j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - k. The Bidder fails to submit a DBE Bid Item Breakdown form, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
 - l. The Bidder fails to submit DBE Trucking Credit Forms, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
 - m. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
 - n. More than one Proposal is submitted for the same project from a Bidder under the same or different names.
2. A Proposal may be considered irregular and may be rejected if:
- a. The Proposal does not include a unit price for every Bid item;
 - b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
 - c. Receipt of Addenda is not acknowledged;
 - d. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
 - e. If Proposal form entries are not made in ink.

1-02.14 Disqualification of Bidders
(May 17, 2018 APWA GSP, Option A)

Delete this section and replace it with the following:

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

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

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

1 **1-02.15 Pre Award Information**

2 *(August 14, 2013 APWA GSP)*

3
4 Revise this section to read:

5
6 Before awarding any contract, the Contracting Agency may require one or more of these
7 items or actions of the apparent lowest responsible bidder:

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

19
20 **1-03 Award and Execution of Contract**

21
22 **1-03.1 Consideration of Bids**

23 *(January 23, 2006 APWA GSP)*

24
25 Revise the first paragraph to read:

26
27 After opening and reading proposals, the Contracting Agency will check them for
28 correctness of extensions of the prices per unit and the total price. If a discrepancy exists
29 between the price per unit and the extended amount of any bid item, the price per unit will
30 control. If a minimum bid amount has been established for any item and the bidder's unit or
31 lump sum price is less than the minimum specified amount, the Contracting Agency will
32 unilaterally revise the unit or lump sum price, to the minimum specified amount and
33 recalculate the extension. The total of extensions, corrected where necessary, including
34 sales taxes where applicable and such additives and/or alternates as selected by the
35 Contracting Agency, will be used by the Contracting Agency for award purposes and to fix
36 the Awarded Contract Price amount and the amount of the contract bond.

37
38 **1-03.3 Execution of Contract**

39 *(*****)*

40
41 Revise this section to read:

42
43 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available
44 for signature by the successful bidder on the first business day following award. The number
45 of copies to be executed by the Contractor will be determined by the Contracting Agency.

46
47 Within 10 calendar days after the award date, the successful bidder shall return the signed
48 Contracting Agency-prepared contract, an insurance certification as required by Section 1-
49 07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of
50 the contract by the Contracting Agency, the successful bidder shall provide any pre-award
51 information the Contracting Agency may require under Section 1-02.15.

1 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting
2 Agency nor shall any work begin within the project limits or within Contracting Agency-
3 furnished sites. The Contractor shall bear all risks for any work begun outside such areas
4 and for any materials ordered before the contract is executed by the Contracting Agency.
5

6 If the bidder experiences circumstances beyond their control that prevents return of the
7 contract documents within 10 calendar days after the award date, the Contracting Agency
8 may grant up to a maximum of 20 additional calendar days for return of the documents,
9 provided the Contracting Agency deems the circumstances warrant it. However, contract
10 working days shall begin as specified in Section 1-08.4.
11

12 **1-03.4 Contract Bond**

13 *(July 23, 2015 APWA GSP)*
14

15 Delete the first paragraph and replace it with the following:
16

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

- 21 1. Be on Contracting Agency-furnished form(s);
- 22 2. Be signed by an approved surety (or sureties) that:
 - 23 a. Is registered with the Washington State Insurance Commissioner, and
 - 24 b. Appears on the current Authorized Insurance List in the State of Washington
25 published by the Office of the Insurance Commissioner,
- 26 3. Guarantee that the Contractor will perform and comply with all obligations, duties, and
27 conditions under the Contract, including but not limited to the duty and obligation to
28 indemnify, defend, and protect the Contracting Agency against all losses and claims
29 related directly or indirectly from any failure:
 - 30 a. Of the Contractor (or any of the employees, subcontractors, or lower tier
31 subcontractors of the Contractor) to faithfully perform and comply with all contract
32 obligations, conditions, and duties, or
 - 33 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the
34 Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors,
35 material person, or any other person who provides supplies or provisions for carrying
36 out the work;
- 37 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the
38 project under titles 50, 51, and 82 RCW; and
- 39 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the
40 bond; and
- 41 6. Be signed by an officer of the Contractor empowered to sign official statements (sole
42 proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the
43 president or vice president, unless accompanied by written proof of the authority of the
44 individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of
45 attorney, or a letter to such effect signed by the president or vice president).
46

47 **1-03.7 Judicial Review**

48 *(November 30, 2018 APWA GSP)*
49

50 Revise this section to read:
51

52 Any decision made by the Contracting Agency regarding the Award and execution of the
53 Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted

under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

1-04 Scope of the Work

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

(December 10, 2020 APWA GSP)

Revise the second paragraph to read:

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

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

Control of Work

Conformity With and Deviations from Plans and Stakes

Section 1-05.4 is supplemented with the following:

(April 2, 2018)

Contractor Surveying – ADA Features

ADA Feature Staking Requirements

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

ADA Feature As-Built Measurements

The Contractor shall be responsible for providing electronic As-Built records of all ADA feature improvements completed in the Contract.

The survey work shall include but not be limited to completing the measurements, recording the required measurements and completing other data fill-ins found on the ADA Measurement Forms, and transmitting the electronic Forms to the Engineer. The ADA Measurement Forms are found at the following website location:

<http://www.wsdot.wa.gov/Design/ADAGuidance.htm>

In the instance where an ADA Feature does not meet accessibility requirements, all work to replace non-conforming 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, as ordered by the Engineer.

Payment

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

"ADA Features Surveying", lump sum.

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

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

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

1-05.11 Final Inspection

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

(October 1, 2005 APWA GSP)

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

2
3 When the Contractor considers the work to be substantially complete, the Contractor shall
4 so notify the Engineer and request the Engineer establish the Substantial Completion Date.
5 The Contractor's request shall list the specific items of work that remain to be completed in
6 order to reach physical completion. The Engineer will schedule an inspection of the work
7 with the Contractor to determine the status of completion. The Engineer may also establish
8 the Substantial Completion Date unilaterally.

9
10 If, after this inspection, the Engineer concurs with the Contractor that the work is
11 substantially complete and ready for its intended use, the Engineer, by written notice to the
12 Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer
13 does not consider the work substantially complete and ready for its intended use, the
14 Engineer will, by written notice, so notify the Contractor giving the reasons therefor.

15
16 Upon receipt of written notice concurring in or denying substantial completion, whichever is
17 applicable, the Contractor shall pursue vigorously, diligently and without unauthorized
18 interruption, the work necessary to reach Substantial and Physical Completion. The
19 Contractor shall provide the Engineer with a revised schedule indicating when the
20 Contractor expects to reach substantial and physical completion of the work.

21
22 The above process shall be repeated until the Engineer establishes the Substantial
23 Completion Date and the Contractor considers the work physically complete and ready for
24 final inspection.

25
26 **1-05.11(2) Final Inspection and Physical Completion Date**

27
28 When the Contractor considers the work physically complete and ready for final inspection,
29 the Contractor by written notice, shall request the Engineer to schedule a final inspection.
30 The Engineer will set a date for final inspection. The Engineer and the Contractor will then
31 make a final inspection and the Engineer will notify the Contractor in writing of all particulars
32 in which the final inspection reveals the work incomplete or unacceptable. The Contractor
33 shall immediately take such corrective measures as are necessary to remedy the listed
34 deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption
35 until physical completion of the listed deficiencies. This process will continue until the
36 Engineer is satisfied the listed deficiencies have been corrected.

37
38 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the
39 written notice listing the deficiencies, the Engineer may, upon written notice to the
40 Contractor, take whatever steps are necessary to correct those deficiencies pursuant to
41 Section 1-05.7.

42
43 The Contractor will not be allowed an extension of contract time because of a delay in the
44 performance of the work attributable to the exercise of the Engineer's right hereunder.

45
46 Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting
47 Agency, in writing, of the date upon which the work was considered physically complete. That
48 date shall constitute the Physical Completion Date of the contract but shall not imply
49 acceptance of the work or that all the obligations of the Contractor under the contract have
50 been fulfilled.

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

2
3 It is the intent of the Contracting Agency to have at the Physical Completion Date a
4 complete and operable system. Therefore when the work involves the installation of
5 machinery or other mechanical equipment; street lighting, electrical distribution or signal
6 systems; irrigation systems; buildings; or other similar work it may be desirable for the
7 Engineer to have the Contractor operate and test the work for a period of time after final
8 inspection but prior to the physical completion date. Whenever items of work are listed in the
9 Contract Provisions for operational testing they shall be fully tested under operating
10 conditions for the time period specified to ensure their acceptability prior to the Physical
11 Completion Date. During and following the test period, the Contractor shall correct any items
12 of workmanship, materials, or equipment which prove faulty, or that are not in first class
13 operating condition. Equipment, electrical controls, meters, or other devices and equipment
14 to be tested during this period shall be tested under the observation of the Engineer, so that
15 the Engineer may determine their suitability for the purpose for which they were installed.
16 The Physical Completion Date cannot be established until testing and corrections have been
17 completed to the satisfaction of the Engineer.

18
19 The costs for power, gas, labor, material, supplies, and everything else needed to
20 successfully complete operational testing, shall be included in the unit contract prices
21 related to the system being tested, unless specifically set forth otherwise in the proposal.

22
23 Operational and test periods, when required by the Engineer, shall not affect a manufacturer's
24 guaranties or warranties furnished under the terms of the contract.

25
26 **1-05.13 Superintendents, Labor and Equipment of Contractor**
27 *(August 14, 2013 APWA GSP)*

28
29 Delete the sixth and seventh paragraphs of this section.

30
31 **1-05.15 Method of Serving Notices**
32 *(March 25, 2009 APWA GSP)*

33 Revise the second paragraph to read:

34
35 All correspondence from the Contractor shall be directed to the Project Engineer. All
36 correspondence from the Contractor constituting any notification, notice of protest, notice of
37 dispute, or other correspondence constituting notification required to be furnished under the
38 Contract, must be in paper format, hand delivered or sent via mail delivery service to the
39 Project Engineer's office. Electronic copies such as e-mails or electronically delivered
40 copies of correspondence will not constitute such notice and will not comply with the
41 requirements of the Contract.

42
43 Add the following new section:

44
45 **1-05.16 Water and Power**
46 *(October 1, 2005 APWA GSP)*

47
48 The Contractor shall make necessary arrangements and shall bear the costs for power and
49 water necessary for the performance of the work, unless the contract includes power and
50 water as a pay item.

1
2 **1-06 Control of Material**
3

4 **1-06.1 Approval of Materials Prior to Use**
5

6 Supplement this Section with the following:
7

8 (April 3, 2017)

9 For each proposed material that is required to be submitted for approval using either the QPL
10 or RAM process the Contractor will be allowed to submit for approval two material sources
11 or manufacturers per material type at no cost. Additional material sources or manufacturers
12 may be submitted for approval and will be processed at a cost of \$125.00 per material source
13 or manufacturer submitted by QPL submittal and \$400.00 per material submitted by RAM.
14 All costs for processing additional material sources or manufacturers will be deducted from
15 monies due or that may come due to the Contractor. Subject to a request by the Contractor
16 and a determination by the Engineer the costs for processing may be waived.
17

18 **1-06.6 Recycled Materials**

19 *(January 4, 2016 APWA GSP)*
20

21 Delete this section, including its subsections, and replace it with the following:
22

23 The Contractor shall make their best effort to utilize recycled materials in the construction of
24 the project. Approval of such material use shall be as detailed elsewhere in the Standard
25 Specifications.
26

27 Prior to Physical Completion the Contractor shall report the quantity of recycled materials
28 that were utilized in the construction of the project for each of the items listed in Section 9-
29 03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled
30 glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and
31 aggregates from concrete returned to the supplier). The Contractor's report shall be
32 provided on DOT form 350-075 Recycled Materials Reporting.
33

34 **1-07 Legal Relations and Responsibilities to the Public**
35

36 **1-07.1 Laws to be Observed**

37 *(October 1, 2005 APWA GSP)*
38

39 Supplement this section with the following:
40

41 In cases of conflict between different safety regulations, the more stringent regulation shall
42 apply.
43

44 The Washington State Department of Labor and Industries shall be the sole and paramount
45 administrative agency responsible for the administration of the provisions of the Washington
46 Industrial Safety and Health Act of 1973 (WISHA).
47

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

1
2 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the
3 Contractor's plant, appliances, and methods, and for any damage or injury resulting from
4 their failure, or improper maintenance, use, or operation. The Contractor shall be solely and
5 completely responsible for the conditions of the project site, including safety for all persons
6 and property in the performance of the work. This requirement shall apply continuously, and
7 not be limited to normal working hours. The required or implied duty of the Engineer to
8 conduct construction review of the Contractor's performance does not, and shall not, be
9 intended to include review and adequacy of the Contractor's safety measures in, on, or near
10 the project site.

11 12 **1-07.2 State Taxes**

13
14 Delete this section, including its sub-sections, in its entirety and replace it with the following:

15 16 **1-07.2 State Sales Tax**

17 *(June 27, 2011 APWA GSP)*

18
19 The Washington State Department of Revenue has issued special rules on the State sales
20 tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor
21 should contact the Washington State Department of Revenue for answers to questions in
22 this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid
23 on a misunderstood tax liability.

24
25 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
26 amounts. In some cases, however, state retail sales tax will not be included. Section 1-
27 07.2(2) describes this exception.

28
29 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a
30 FHWA-funded Project) only if the Contractor has obtained from the Washington State
31 Department of Revenue a certificate showing that all contract-related taxes have been paid
32 (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor
33 any amount the Contractor may owe the Washington State Department of Revenue,
34 whether the amount owed relates to this contract or not. Any amount so deducted will be
35 paid into the proper State fund.

36 37 **1-07.2(1) State Sales Tax — Rule 171**

38
39 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,
40 roads, etc., which are owned by a municipal corporation, or political subdivision of the state,
41 or by the United States, and which are used primarily for foot or vehicular traffic. This
42 includes storm or combined sewer systems within and included as a part of the street or
43 road drainage system and power lines when such are part of the roadway lighting system.
44 For work performed in such cases, the Contractor shall include Washington State Retail
45 Sales Taxes in the various unit bid item prices, or other contract amounts, including those
46 that the Contractor pays on the purchase of the materials, equipment, or supplies used or
47 consumed in doing the work.

48 49 **1-07.2(2) State Sales Tax — Rule 170**

50
51 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or
52 existing buildings, or other structures, upon real property. This includes, but is not limited to,
53 the construction of streets, roads, highways, etc., owned by the state of Washington; water
54 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such

sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

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

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

1-07.2(3) Services

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

1-07.7 Load Limits

Supplement this Section with the following:

(March 13, 1995)

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

1-07.11 Requirements for Nondiscrimination

(July 18, 2016 APWA GSP, Option C)

Supplement this section with the following:

Voluntary Minority, Small, Veteran and Women's Business Enterprise (MSVWBE) Participation

General Statement

Voluntary goals for minority, small, veteran and women business enterprises are included in this Contract. The Contractor is encouraged to utilize MSVWBEs in accordance with these Specifications, RCW 39.19 and Executive Order 13-01 (issued by the Governor of Washington on May 10, 2013).

No preference will be included in the evaluation of the Contractor's Proposal or Bid; no minimum level of MSVWBE participation is required as a condition of award or completion of the Contract; and a Proposal or Bid will not be rejected or considered non-responsive on that basis.

The goals are voluntary and outreach efforts to provide MSVWBEs maximum practicable opportunities are encouraged.

1 **Non-Discrimination**

2 Contractors shall not create barriers to open and fair opportunities for all businesses,
3 including MSVWBEs, to participate in the Work on this Contract. This includes the
4 opportunity to compete for subcontracts as sources of supplies, equipment, construction
5 or services.
6

7 The Contractor shall make Voluntary MSVWBE Participation a part of all subcontracts
8 and agreements entered into as a result of this Contract.
9

10 **Voluntary MSVWBE Participation Goals**

11 Goals for voluntary MSVWBE participation have been established as a percentage of
12 Contractor's total Bid amount.
13

14 The Contracting Agency has established the following voluntary goals:

15

16 Minority	10%
17 Small	5%
18 Veteran	5%
19 Women	6%

20

21 Amounts paid to an MSVWBE will be credited to every voluntary goal in which they are
22 eligible. In other words participation may be credited for participation in more than one
23 category. If the Contractor is a MSVWBE their Work will be credited to the voluntary
24 goals in which they are eligible.
25

26 **Definitions**

27 **Minority Business Enterprise (MBE)** – A minority owned business meeting the
28 requirements of RCW 39.19 and WAC 326-20 and certified by the Washington State
29 Office of Minority & Women's Business Enterprises.
30

31 **Small Business** – A business meeting the Washington State requirements for a
32 "Small business", "Minibusiness" or "Microbusiness as defined in RCW 39.26.010
33 and included on the WSDOT Office of Equal Opportunity list of Small Businesses
34 at <http://www.wsdot.wa.gov/equalopportunity/bddirectory.htm>
35

36 **Veteran Business** – A veteran owned business meeting the requirements of RCW
37 43.60A.010 and included on the WSDOT Office of Equal Opportunity list of Veteran
38 Businesses at <http://www.wsdot.wa.gov/equalopportunity/bddirectory.htm>
39

40 **Women Business Enterprise (WBE)** – A women owned business meeting the
41 requirements of RCW 39.19 and WAC 326-20 and certified by the Washington State
42 Office of Minority & Women's Business Enterprises.
43

44 **MSVWBE Inclusion Plan**

45 A MSVWBE Inclusion Plan shall be submitted to the Engineer prior to the start of Work
46 on the project. The plan is submitted for the Contracting Agency's information. Approval
47 of the plan is not required; an incomplete plan will be returned for correction and
48 resubmittal. The plan shall include the information identified in the guidelines at
49 <http://www.wsdot.wa.gov/EqualOpportunity/MSVWBE.htm>.
50

51 **MSVWBE Reporting**

52 An end of project Report of Amounts Paid to MSVWBEs shall be submitted to the
53 Engineer after Physical Completion of the Contract. The end of project report is due 20
54 calendar days after the physical completion of the project has been issued.

The end of project report shall include payments to all eligible businesses regardless of their listing on the MSVWBE Inclusion Plan. If the Contractor is a MSVWBE the amounts paid by the Contracting Agency for Work performed by the Contractor shall also be reported.

MSVWBE Payment

All costs for implementation of the requirements for Voluntary MSVWBE Participation shall be included in the associated items of Contract Work.

1-07.16 Protection and Restoration of Property

1-07.16(2) Vegetation Protection and Restoration

Supplement the Section with the following:

(August 2, 2010)

Vegetation and soil protection zones for trees shall extend out from the trunk to a distance of 1-foot radius for each inch of trunk diameter at breast height.

Vegetation and soil protection zones for shrubs shall extend out from the stems at ground level to twice the radius of the shrub.

Vegetation and soil protection zones for herbaceous vegetation shall extend to encompass the diameter of the plant as measured from the outer edge of the plant.

1-07.17 Utilities and Similar Facilities

Supplement the Section with the following:

(April 2, 2007)

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

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

*** City of Othello

Public Works Department

500 E Main Street

Othello, WA 99344

Shawn O'Brien, City Engineer

(509) 331-2711

sobrien@othellowa.gov

Avista

Customer Service, MSC-34

P.O. Box 3727

Spokane, WA 99220-3727

1(800) 936-6629 ***

(*****)

Unknown private irrigation systems exist within the limits of the project, however no information about their location is available.

1
2 If, during the life of this project, the Contractor is required to disrupt individual utility services,
3 24-hour prior notice shall be provided to the affected property owner, Contracting Agency and
4 the Engineer. Should the time for disruption be unsatisfactory to the property owner or the
5 Contracting Agency and the reason for the request by the property owner or Contracting
6 Agency for delay is determined by the Engineer to be reasonable, the Contractor shall
7 reschedule the work. The potential for delays of this type, as well as movement, stabilizing,
8 or adjusting utilities and similar facilities, shall be taken into consideration when the
9 Contractor is preparing the bid, and all costs shall be included in the contract items.

10 11 **1-07.18 Public Liability and Property Damage Insurance**

12
13 Delete this section in its entirety, and replace it with the following:

14 15 **1-07.18 Insurance**

16 *(January 4, 2016 APWA GSP)*

17 18 **1-07.18(1) General Requirements**

- 19
20 A. The Contractor shall procure and maintain the insurance described in all subsections of
21 section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of
22 not less than A-: VII and licensed to do business in the State of Washington. The
23 Contracting Agency reserves the right to approve or reject the insurance provided, based on
24 the insurer's financial condition.
- 25
26 B. The Contractor shall keep this insurance in force without interruption from the
27 commencement of the Contractor's Work through the term of the Contract and for thirty (30)
28 days after the Physical Completion date, unless otherwise indicated below.
- 29
30 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
31 subsequent renewals, shall be no later than the effective date of this Contract. The policy
32 shall state that coverage is claims made, and state the retroactive date. Claims-made form
33 coverage shall be maintained by the Contractor for a minimum of 36 months following the
34 Completion Date or earlier termination of this Contract, and the Contractor shall annually
35 provide the Contracting Agency with proof of renewal. If renewal of the claims made form of
36 coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase
37 an extended reporting period ("tail") or execute another form of guarantee acceptable to the
38 Contracting Agency to assure financial responsibility for liability for services performed.
- 39
40 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella
41 Liability insurance policies shall be primary and non-contributory insurance as respects the
42 Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance,
43 self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be
44 excess of the Contractor's insurance and shall not contribute with it.
- 45
46 E. The Contractor shall provide the Contracting Agency and all additional insureds with written
47 notice of any policy cancellation, within two business days of their receipt of such notice.
- 48
49 F. The Contractor shall not begin work under the Contract until the required insurance has
50 been obtained and approved by the Contracting Agency
- 51
52 G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a
53 material breach of contract, upon which the Contracting Agency may, after giving five
54 business days' notice to the Contractor to correct the breach, immediately terminate the

Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.

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

1-07.18(2) Additional Insured

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

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

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

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

1-07.18(3) Subcontractors

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

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

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

1-07.18(4) Verification of Coverage

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

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.

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

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

1-07.18(5) Coverages and Limits

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

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

1-07.18(5)A Commercial General Liability

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

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

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

Such policy must provide the following minimum limits:

\$1,000,000	Each Occurrence
\$2,000,000	General Aggregate
\$2,000,000	Products & Completed Operations Aggregate
\$1,000,000	Personal & Advertising Injury each offence
\$1,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the

transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:
\$1,000,000 Combined single limit each accident

1-07.18(5)C Workers' Compensation

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

1-07.23 Public Convenience and Safety

1-07.23(1) Construction Under Traffic

Supplement the Section with the following:

(February 3, 2020)

Work Zone Clear Zone

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to preexisting conditions or permanent Work. Those work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

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

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

The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

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

Minimum WZCZ distances are measured from the edge of traveled way and will be determined as follows:

Regulatory Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10
40 mph	15
45 to 50 mph	20
55 to 60 mph	30
65 mph or greater	35

Minimum Work Zone Clear Zone Distance

1 (January 5, 2015)

2 Lane closures are subject to the following restrictions:

3
4 *** Lane closures shall not be permitted on weekends. ***

5
6 If the Engineer determines the permitted closure hours adversely affect traffic, the
7 Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in
8 writing of any change in the closure hours.

9
10 Lane closures are not allowed on any of the following:

- 11
12 1. A holiday,
13
14 2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or
15 Monday are considered a holiday weekend. A holiday weekend includes
16 Saturday, Sunday, and the holiday.
17
18 3. After *** 12 pm *** on the day prior to a holiday or holiday weekend, and
19
20 4. Before *** 12 pm *** on the day after the holiday or holiday weekend.

21
22 (*****)

23 The Contractor shall coordinate with the following during the life of the project,
24 announcing any road restrictions or minimal closures. Any minimal closure shall be pre-
25 approved by the Engineer.

26
27 Othello Police Department (509) 488-3314

28
29 Adams County Fire District #5 (509) 488-7808

30
31 Othello School District (509) 488-2659

32
33 Othello Community Hospital (509) 488-2636

34
35 Consolidated Disposal Services (509) 754-2468

36
37 U.S. Post Office (509) 488-9955

38
39 City of Othello (509) 488-5686

40
41 Othello Clinic (509) 488-5256

42
43 Whenever "Flaggers and Spotters" are in use, the cumulative delay from all project
44 activities to the traveling public shall be a maximum of twenty (20) minutes.

45
46 **1-07.24 Rights of Way**
47 *(July 23, 2015 APWA GSP)*

48
49 Delete this section and replace it with the following:

50
51 Street Right of Way lines, limits of easements, and limits of construction permits are
52 indicated in the Plans. The Contractor's construction activities shall be confined within these
53 limits, unless arrangements for use of private property are made.

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

5
6 Whenever any of the work is accomplished on or through property other than public Right of
7 Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement
8 agreement obtained by the Contracting Agency from the owner of the private property.
9 Copies of the easement agreements may be included in the Contract Provisions or made
10 available to the Contractor as soon as practical after they have been obtained by the
11 Engineer.

12
13 Whenever easements or rights of entry have not been acquired prior to advertising, these
14 areas are so noted in the Plans. The Contractor shall not proceed with any portion of the
15 work in areas where right of way, easements or rights of entry have not been acquired until
16 the Engineer certifies to the Contractor that the right of way or easement is available or that
17 the right of entry has been received. If the Contractor is delayed due to acts of omission on
18 the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the
19 Contractor will be entitled to an extension of time. The Contractor agrees that such delay
20 shall not be a breach of contract.

21
22 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This
23 includes entry onto easements and private property where private improvements must be
24 adjusted.

25
26 The Contractor shall be responsible for providing, without expense or liability to the
27 Contracting Agency, any additional land and access thereto that the Contractor may desire
28 for temporary construction facilities, storage of materials, or other Contractor needs.
29 However, before using any private property, whether adjoining the work or not, the
30 Contractor shall file with the Engineer a written permission of the private property owner,
31 and, upon vacating the premises, a written release from the property owner of each property
32 disturbed or otherwise interfered with by reasons of construction pursued under this
33 contract. The statement shall be signed by the private property owner, or proper authority
34 acting for the owner of the private property affected, stating that permission has been
35 granted to use the property and all necessary permits have been obtained or, in the case of
36 a release, that the restoration of the property has been satisfactorily accomplished. The
37 statement shall include the parcel number, address, and date of signature. Written releases
38 must be filed with the Engineer before the Completion Date will be established.

39 40 **1-08 PROSECUTION AND PROGRESS**

41
42 Add the following new section:

43 44 **1-08.0 Preliminary Matters** 45 **(May 25, 2006 APWA GSP)**

46
47 Add the following new section:

48 49 **1-08.0(1) Preconstruction Conference** 50 **(October 10, 2008 APWA GSP)**

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

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the work.

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

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

Add the following new section:

1-08.0(2) Hours of Work

(December 8, 2014 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 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 \$\$\$\$ 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.

- 1 4. If a 4-10 work schedule is requested and approved the non working day for the week
2 will be charged as a working day.
3 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and
4 recorded properly on certified payroll
5
6

7 **1-08.1 Subcontracting**

8 *(May 30, 2019 APWA GSP, Option B)*
9

10 Delete the ninth paragraph, beginning with "On all projects, the Contractor shall certify...".
11

12 **1-08.2 Progress Schedule**

13 ***Progress Schedule Types***

14 **1-08.3(2)A Type A Progress Schedule**

15 *(March 13, 2012 APWA GSP)*
16
17

18 Revise this section to read:
19

20
21 The Contractor shall submit ~~\$\$\$~~ copies of a Type A Progress Schedule no later than at the
22 preconstruction conference, or some other mutually agreed upon submittal time. The
23 schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule
24 format. Regardless of which format used, the schedule shall identify the critical path. The
25 Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for
26 corrections within 15 calendar days of receiving the submittal.
27

28 **1-08.4 Prosecution of Work**

29
30 The first sentence of Section 1-08.4 is revised to read:
31

32 *(August 7, 2006)*

33 The Contractor shall begin work no earlier than the begin work date stated in the written
34 notice provided by the Engineer. The Engineer will provide a minimum of 10 calendar days
35 written notice for the date identified as the first working day.
36

37 **1-08.5 Time for Completion**

38
39 The third paragraph of the Section is revised to read:
40

41 *(August 7, 2006)*

42 Contract time shall begin on the date stated in the written notice provided to the Contractor.
43 In no case shall the beginning of contract time be prior to ***May 1, 2021*** or later than ***
44 May 17, 2021***.
45

46 Section 1-08.5 is supplemented with the following:
47

48 *(March 13, 1995)*

49 This project shall be physically completed within *** 80 *** working days.
50

51 **Liquidated Damages**

52
53 Section 1-08.9 is supplemented with the following:

(September 8, 2020)

Liquidated damages in the amount of *** \$1,000*** per working day will be assessed for failure to physically complete the Contract within the physical completion time specified.

1-09 Measurement and Payment

1-09.2 Weighing Equipment

1-09.2(1) General Requirements for Weighing Equipment

(July 23, 2015 APWA GSP, Option 2)

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

1-09.2(5) Measurement

(May 2, 2017 APWA GSP)

Revise the first paragraph to read:

Scale Verification Checks – At the Engineer's discretion, the Engineer may perform verification checks on the accuracy of each batch, hopper, or platform scale used in weighing contract items of Work.

1-09.6 Force Account

(October 10, 2008 APWA GSP)

Supplement this Section with the following:

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

1-09.9 Payments

(March 13, 2012 APWA GSP)

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.

(March 13, 2012 APWA GSP)

Delete the first four paragraphs and replace them with the following:

1 The basis of payment will be the actual quantities of Work performed according to the
2 Contract and as specified for payment.

3
4 The Contractor shall submit a breakdown of the cost of lump sum bid items at the
5 Preconstruction Conference, to enable the Project Engineer to determine the Work
6 performed on a monthly basis. A breakdown is not required for lump sum items that include
7 a basis for incremental payments as part of the respective Specification. Absent a lump
8 sum breakdown, the Project Engineer will make a determination based on information
9 available. The Project Engineer's determination of the cost of work shall be final.

10
11 Progress payments for completed work and material on hand will be based upon progress
12 estimates prepared by the Engineer. A progress estimate cutoff date will be established at
13 the preconstruction conference.

14
15 The initial progress estimate will be made not later than 30 days after the Contractor
16 commences the work, and successive progress estimates will be made every month
17 thereafter until the Completion Date. Progress estimates made during progress of the work
18 are tentative, and made only for the purpose of determining progress payments. The
19 progress estimates are subject to change at any time prior to the calculation of the final
20 payment.

21
22 The value of the progress estimate will be the sum of the following:

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

32
33 Progress payments will be made in accordance with the progress estimate less:

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

38
39 Progress payments for work performed shall not be evidence of acceptable performance or
40 an admission by the Contracting Agency that any work has been satisfactorily completed.
41 The determination of payments under the contract will be final in accordance with Section
42 1-05.1.

43 44 **1-09.11 Disputes and Claims**

45 46 **1-09.11(3) Time Limitation and Jurisdiction** 47 *(November 30, 2018 APWA GSP)*

48
49 Revise this section to read:
50

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

Claims Resolution

1-09.13(3) Claims \$250,000 or Less

(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

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

1-09.13(3)A Administration of Arbitration

(November 30, 2018 APWA GSP)

Revise the third paragraph to read:

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

1-10 Temporary Traffic Control

1-10.2 Traffic Control Management

1-10.2(1) General

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

(January 3, 2017)

Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the State of Washington. The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust

1 27055 Ohio Ave.
2 Kingston, WA 98346
3 (360) 297-3035
4

5 Evergreen Safety Council
6 12545 135th Ave. NE
7 Kirkland, WA 98034-8709
8 1-800-521-0778
9

10 The American Traffic Safety Services Association
11 15 Riverside Parkway, Suite 100
12 Fredericksburg, Virginia 22406-1022
13 Training Dept. Toll Free (877) 642-4637
14 Phone: (540) 368-1701
15

16 (January 5, 2015)

17 The primary TCS shall have a minimum of 500 hours of experience providing traffic
18 control as a TCS or traffic control labor on multilane highways with a speed limit of 55
19 mph or greater. The Contractor shall submit a certification of the TCS's experience with
20 the TCS designation. Documentation of experience shall be available upon request by
21 the Project Engineer.
22

23 **1-10.4 Measurement**

24 **Lump Sum Bid for Project (No Unit Items)**

25
26
27 Section 1-10.4(1) is supplemented with the following:
28

29 (August 2, 2004)

30 The proposal contains the item "Project Temporary Traffic Control", lump sum. The
31 provisions of Section 1-10.4(1) shall apply.
32

33 **1-10.5 Payment**

34
35 Section 1-10.5(1) is supplemented with the following:
36

37 Payment shall be made for each of the following Bid items that are included in the
38 Proposal:
39

40 "Project Temporary Traffic Control", per lump sum.
41

42 The unit Contract price per lump sum for "Project Temporary Traffic Control" shall be full
43 pay for all costs of providing, installing, and maintaining standard barricades with flashing
44 lights and 28-inch, reflectorized cones, and to provide all items of labor, equipment, and
45 materials required for traffic control in the work areas called out in the Plans and
46 Specifications, unless the work is included elsewhere in the Bid Proposal.
47

48 When traffic control items are included in the Bid Proposal, payment is limited to the
49 following work areas.
50

- 51 1. The entire construction area under Contract and for a distance of 500 feet beyond the
52 beginning and end of construction. Warning signs for side roads are also included. If
53 the project consists of 2 or more work zones, the limits will apply to each work zone
54 individually.

- 1
2 2. All detours provided in the plans or authorized by the Engineer for bypassing all or
3 any portion of the construction, irrespective of whether the termini of the detour are
4 within the limits of the Contract.

5
6 The method of calculating reimbursement for traffic control in work areas 1 and 2 as
7 detailed on the Traffic Control Plan and as directed by the Engineer shall be determined
8 as follows:

9
10 30 percent after completion of all signing to conform to the Traffic Control Plan;

11
12 60 percent distributed over the length of the Contract, based on working days
13 expired.

14
15 10 percent upon substantial completion of the Contract and removal of all traffic
16 control signs and devices.

17
18 **Division 2**
19 **Earthwork**

20
21 **2-01 Clearing, Grubbing, and Roadside Cleanup**

22
23 **2-01.1 Description**

24
25 Supplement the Section with the following:

26
27 (March 13, 1995)

28 Clearing and grubbing on this project shall be incidental to other bid items and performed
29 within the following limits:

30
31 *** Within the Right of Way ***
32

33 **2-02 Removal of Structures and Obstructions**

34
35 **2-02.1 Description**

36
37 Supplement the Section with the following:

38
39 (March 13, 1995)

40 This work shall consist of removing miscellaneous traffic items.
41

42 **2-02.3 Construction Requirements**

43
44 Supplement the Section with the following:

45 (*****)

46
47 In areas where new sidewalk and driveway will be poured behind the existing curb that does
48 not have proper tapers, the Contractor shall sawcut the existing curb. The new tapers shall
49 have a consistent slope close to, but not exceeding, 8.33%.

50
51 In areas where new sidewalk and driveway will be installed, small areas of existing sidewalk
52 and driveway may have to be sawcut and removed to provide a smooth transition between

the new and existing concrete. The Contractor shall obtain approval from the Engineer before any sawcutting or concrete removal takes place.

At 953 E. Ash Street there is a driveway cut in a location where a driveway no longer exists. The Contractor shall remove this driveway cut and reinstall curb through this area that matches the existing curb.

At 755 E. Ash Street there is a driveway cut where the existing curb is poured monolithically with the driveway. The Contractor shall remove this driveway cut and reinstall curb and gutter through this area that matches the existing curb and gutter.

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

Supplement the Section with the following:

(September 8, 1997)

The approximate thickness of the asphalt pavement is 3 inches and the cement concrete is 4 inches.

2-02.4 Measurement

Supplement the Section with the following:

(*****)

The removal of asphalt pavement, sidewalk, curb and gutter, and soil shall be considered incidental to other bid items and will not be measured, except for the curb and gutter at 755 and 953 E. Ash Street.

When existing driveway and sidewalk to homes is sawcut behind the proposed new sections of concrete to provide smooth transitions, this work will be measured per linear foot.

When existing sections of sidewalk and driveway to homes must be removed to provide smooth transitions, this work will be measured per square yard.

"Sawcut Curb Tapers" shall be measured per linear foot for the length required to produce a slope under 8.33%.

Curb removal for the driveway locations at 755 and 953 E. Ash Street shall be measured per linear foot.

2-02.5 Payment

The Section is replaced with the following:

(*****)

No separate payment will be made for the removal of items shown in the plans at the bulb-out locations. All work will be considered incidental to the bulb-out pay items included in the proposal.

"Remove Curb and Gutter" per linear foot.

"Remove Cement Concrete Sidewalk" per square yard.

"Remove Cement Concrete Driveway" per square yard.

"Sawcut Pavement or Concrete" per linear foot.

"Sawcut Curb Tapers" per linear foot.

The unit Contract price for the above items shall be full compensation for labor and equipment required to remove and dispose of the above items as required by these specifications and as directed by the Engineer.

2-03 Roadway Excavation and Embankment

2-03.3 Construction Requirements

2-03.3(7) Disposal Of Surplus Material

Supplement the Section with the following:

(*****)

A Contracting Agency waste site will not be provided for on this project. Provisions of Section 2-03.3(7) apply.

2-07 Watering

2-07.2 City Water Meter

Supplement the Section with the following:

(*****)

If a City of Othello hydrant is used for water, the Contractor shall coordinate directly with the City Public Works Department to rent a City water meter. Backflow prevention shall be provided by the Contractor. Metered water will be billed to the Contractor at the City's current water rate. The water meter rental requires a refundable \$500 deposit and a \$50 per month rental rate.

Division 5 Surface Treatments and Pavements

5-04 Hot Mix Asphalt (July 18, 2018 APWA GSP)

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

5-04.1 Description

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

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

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder 9-02.1(4)

1	Cationic Emulsified Asphalt	9-02.1(6)
2	Anti-Stripping Additive	9-02.4
3	HMA Additive	9-02.5
4	Aggregates	9-03.8
5	Recycled Asphalt Pavement	9-03.8(3)B
6	Mineral Filler	9-03.8(5)
7	Recycled Material	9-03.21
8	Portland Cement	9-01
9	Sand	9-03.1(2)
10	(As noted in 5-04.3(5)C for crack sealing)	
11	Joint Sealant	9-04.2
12	Foam Backer Rod	9-04.2(3)A

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

19
 20 The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of
 21 HMA. The RAP may be from pavements removed under the Contract, if any, or pavement
 22 material from an existing stockpile.

23
 24 The Contractor may use up to 20 percent RAP by total weight of HMA with no additional
 25 sampling or testing of the RAP. The RAP shall be sampled and tested at a frequency of one
 26 sample for every 1,000 tons produced and not less than ten samples per project. The
 27 asphalt content and gradation test data shall be reported to the Contracting Agency when
 28 submitting the mix design for approval on the QPL. The Contractor shall include the RAP as
 29 part of the mix design as defined in these Specifications.

30
 31 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder
 32 from different sources is not permitted.

33
 34 The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA
 35 with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the
 36 Engineer for approval the process that is proposed and how it will be used in the
 37 manufacture of HMA.

38
 39 Production of aggregates shall comply with the requirements of Section 3-01.
 40 Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates
 41 from stockpiles shall comply with the requirements of Section 3-02.

42 **5-04.2(1) How to Get an HMA Mix Design on the QPL**

43 If the contractor wishes to submit a mix design for inclusion in the Qualified Products List
 44 (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).
 45

46 **5-04.2(1)A Vacant**

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

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

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

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, 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;

- 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 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 Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

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

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

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

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

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

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

Minimum Surface Temperature for Paving

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

5-04.3(2) Paving Under Traffic

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

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

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

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

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

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

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

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.
2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.
3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.
4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).
5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:
 - a. A mechanical sampling device attached to the HMA plant.
 - b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

1 **5-04.3(3)B Hauling Equipment**

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

8
9 The contractor shall provide an environmentally benign means to prevent the HMA mixture
10 from adhering to the hauling equipment. Excess release agent shall be drained prior to filling
11 hauling equipment with HMA. Petroleum derivatives or other coating material that
12 contaminate or alter the characteristics of the HMA shall not be used. For live bed trucks,
13 the conveyor shall be in operation during the process of applying the release agent.

14
15 **5-04.3(3)C Pavers**

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

19
20 The HMA paver shall be in good condition and shall have the most current equipment
21 available from the manufacturer for the prevention of segregation of the HMA mixture
22 installed, in good condition, and in working order. The equipment certification shall list the
23 make, model, and year of the paver and any equipment that has been retrofitted.

24
25 The screed shall be operated in accordance with the manufacturer's recommendations and
26 shall effectively produce a finished surface of the required evenness and texture without
27 tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's
28 recommendations shall be provided upon request by the Contracting Agency. Extensions
29 will be allowed provided they produce the same results, including ride, density, and surface
30 texture as obtained by the primary screed. Extensions without augers and an internally
31 heated vibratory screed shall not be used in the Traveled Way.

32
33 When specified in the Contract, reference lines for vertical control will be required. Lines
34 shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal
35 control utilizing the reference line will be permitted. The grade and slope for intermediate
36 lanes shall be controlled automatically from reference lines or by means of a mat
37 referencing device and a slope control device. When the finish of the grade prepared for
38 paving is superior to the established tolerances and when, in the opinion of the Engineer,
39 further improvement to the line, grade, cross-section, and smoothness can best be achieved
40 without the use of the reference line, a mat referencing device may be substituted for the
41 reference line. Substitution of the device will be subject to the continued approval of the
42 Engineer. A joint matcher may be used subject to the approval of the Engineer. The
43 reference line may be removed after the completion of the first course of HMA when
44 approved by the Engineer. Whenever the Engineer determines that any of these methods
45 are failing to provide the necessary vertical control, the reference lines will be reinstalled by
46 the Contractor.

47
48 The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and
49 accessories necessary for satisfactory operation of the automatic control equipment.

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

4 5 **5-04.3(3)D Material Transfer Device or Material Transfer Vehicle**

6 A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval,
7 unless other-wise required by the contract.

8
9 Where an MTD/V is required by the contract, the Engineer may approve paving without an
10 MTD/V, at the request of the Contractor. The Engineer will determine if an equitable
11 adjustment in cost or time is due.

12
13 When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior
14 to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform
15 temperature throughout the mixture. If a windrow elevator is used, the length of the windrow
16 may be limited in urban areas or through intersections, at the discretion of the Engineer.

17
18 To be approved for use, an MTV:

- 19
20 1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
21 2. Shall not be connected to the hauling vehicle or paver.
22 3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
23 4. Shall mix the HMA after delivery by the hauling equipment and prior to placement
24 into the paving machine.
25 5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the
26 mixture.

27
28 To be approved for use, an MTD:

- 29
30 1. Shall be positively connected to the paver.
31 2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
32 3. Shall mix the HMA after delivery by the hauling equipment and prior to placement
33 into the paving machine.
34 4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the
35 mixture.

36 37 **5-04.3(3)E Rollers**

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

47 48 **5-04.3(4) Preparation of Existing Paved Surfaces**

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

3
4 Preleveling of uneven or broken surfaces over which HMA is to be placed may be
5 accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as
6 approved by the Engineer.

7
8 Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require
9 the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging
10 across preleveled areas by the compaction equipment. Equipment used for the compaction
11 of preleveling HMA shall be approved by the Engineer.

12
13 Before construction of HMA on an existing paved surface, the entire surface of the
14 pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable
15 matter shall be entirely removed from the existing pavement. All pavements or bituminous
16 surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign
17 matter. All holes and small depressions shall be filled with an appropriate class of HMA. The
18 surface of the patched area shall be leveled and compacted thoroughly. Prior to the
19 application of tack coat, or paving, the condition of the surface shall be approved by the
20 Engineer.

21
22 A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is
23 to be placed or abutted; except that tack coat may be omitted from clean, newly paved
24 surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the
25 existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate
26 between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application
27 shall be approved by the Engineer. A heavy application of tack coat shall be applied to all
28 joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces
29 that will be paved during the same working shift. The spreading equipment shall be
30 equipped with a thermometer to indicate the temperature of the tack coat material.

31
32 Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the
33 Contractor's operation damages the tack coat it shall be repaired prior to placement of the
34 HMA.

35
36 The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h
37 emulsified asphalt may be diluted once with water at a rate not to exceed one part water to
38 one part emulsified asphalt. The tack coat shall have sufficient temperature such that it may
39 be applied uniformly at the specified rate of application and shall not exceed the maximum
40 temperature recommended by the emulsified asphalt manufacturer.

41 42 **5-04.3(4)A Crack Sealing**

43 44 **5-04.3(4)A1 General**

45 When the Proposal includes a pay item for crack sealing, seal all cracks ¼ inch in width and
46 greater.

47
48 **Cleaning:** Ensure that cracks are thoroughly clean, dry and free of all loose and foreign
49 material when filling with crack sealant material. Use a hot compressed air lance to dry and

1 warm the pavement surfaces within the crack immediately prior to filling a crack with the
2 sealant material. Do not overheat pavement. Do not use direct flame dryers. Routing cracks
3 is not required.

4
5 **Sand Slurry:** For cracks that are to be filled with sand slurry, thoroughly mix the
6 components and pour the mixture into the cracks until full. Add additional CSS-1 cationic
7 emulsified asphalt to the sand slurry as needed for workability to ensure the mixture will
8 completely fill the cracks. Strike off the sand slurry flush with the existing pavement surface
9 and allow the mixture to cure. Top off cracks that were not completely filled with additional
10 sand slurry. Do not place the HMA overlay until the slurry has fully cured.

11
12 The sand slurry shall consist of approximately 20 percent CSS-1 emulsified asphalt,
13 approximately 2 percent portland cement, water (if required), and the remainder clean Class
14 1 or 2 fine aggregate per section 9-03.1(2). The components shall be thoroughly mixed and
15 then poured into the cracks and joints until full. The following day, any cracks or joints that
16 are not completely filled shall be topped off with additional sand slurry. After the sand slurry
17 is placed, the filler shall be struck off flush with the existing pavement surface and allowed to
18 cure. The HMA overlay shall not be placed until the slurry has fully cured. The requirements
19 of Section 1-06 will not apply to the portland cement and sand used in the sand slurry.

20
21 In areas where HMA will be placed, use sand slurry to fill the cracks.

22
23 In areas where HMA will not be placed, fill the cracks as follows:

- 24
25 1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
26 2. Cracks greater than 1 inch in width – fill with sand slurry.

27
28 **Hot Poured Sealant:** For cracks that are to be filled with hot poured sealant, apply the
29 material in accordance with these requirements and the manufacturer's recommendations.
30 Furnish a Type 1 Working Drawing of the manufacturer's product information and
31 recommendations to the Engineer prior to the start of work, including the manufacturer's
32 recommended heating time and temperatures, allowable storage time and temperatures
33 after initial heating, allowable reheating criteria, and application temperature range. Confine
34 hot poured sealant material within the crack. Clean any overflow of sealant from the
35 pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the
36 cracks with hot poured sealant results in an excessive amount of material on the pavement
37 surface, stop and correct the operation to eliminate the excess material.

38
39 **5-04.3(4)A2 Crack Sealing Areas Prior to Paving**

40 In areas where HMA will be placed, use sand slurry to fill the cracks.

41
42 **5-04.3(4)A3 Crack Sealing Areas Not to be Paved**

43 In areas where HMA will not be placed, fill the cracks as follows:

- 44
45 A. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
46 B. Cracks greater than 1 inch in width – fill with sand slurry.

47
48 **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.

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.

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 $\frac{3}{4}$ " and HMA Class $\frac{1}{2}$ "	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class $\frac{3}{8}$ "	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

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

5-04.3(9)B Vacant

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

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

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

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

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

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

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

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

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

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

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

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

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

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

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

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

5-04.3(9)C5 Vacant

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

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

1 If a constituent is not measured in accordance with these Specifications, its individual pay
2 factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

3 4 **5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests**

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

13 14 **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

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

24
25 For each lot of HMA mix produced and tested under Commercial Evaluation when the
26 calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined.
27 The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The
28 Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the
29 quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

30
31 If a constituent is not measured in accordance with these Specifications, its individual pay
32 factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

33 34 **5-04.3(10) HMA Compaction Acceptance**

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

46
47 Tests for the determination of the pavement density will be taken in accordance with the
48 required procedures for measurement by a nuclear density gauge or roadway cores after
49 completion of the finish rolling.

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

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

9
10 If the Contract includes the Bid item "Roadway Core" the cores shall be obtained by the
11 Contractor in the presence of the Engineer on the same day the mix is placed and at
12 locations designated by the Engineer. If the Contract does not include the Bid item
13 "Roadway Core" the Contracting Agency will obtain the cores.

14
15 For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's
16 request after the Engineer is satisfied that material conforming to the Specifications can be
17 produced.

18
19 HMA mixture accepted by commercial evaluation and HMA constructed under conditions
20 other than those listed above shall be compacted on the basis of a test point evaluation of
21 the compaction train. The test point evaluation shall be performed in accordance with
22 instructions from the Engineer. The number of passes with an approved compaction train,
23 required to attain the maximum test point density, shall be used on all subsequent paving.

24
25 HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel
26 rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the
27 Engineer.

28 29 **Test Results**

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

37
38 When cores are taken by the Contracting Agency at the request of the Contractor, they shall
39 be requested by noon of the next workday after the test results for the subplot have been
40 provided or made available to the Contractor. Core locations shall be outside of wheel paths
41 and as determined by the Engineer. Traffic control shall be provided by the Contractor as
42 requested by the Engineer. Failure by the Contractor to provide the requested traffic control
43 will result in forfeiture of the request for cores. When the CPF for the lot based on the results
44 of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies
45 due or that may become due the Contractor under the Contract at the rate of \$200 per core
46 and the Contractor shall pay for the cost of the traffic control.

47 48 **5-04.3(10)A HMA Compaction – General Compaction Requirements**

49 Compaction shall take place when the mixture is in the proper condition so that no undue
50 displacement, cracking, or shoving occurs. Areas inaccessible to large compaction

equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

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

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

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

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

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

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

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

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

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

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

3 4 **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

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

15
16 For compaction below the required 92% a Non-Conforming Compaction Factor (NCCF) will
17 be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by
18 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the
19 quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of
20 mix.

21 22 **5-04.3(11) Reject Work**

23 24 **5-04.3(11)A Reject Work General**

25 Work that is defective or does not conform to Contract requirements shall be rejected. The
26 Contractor may propose, in writing, alternatives to removal and replacement of rejected
27 material. Acceptability of such alternative proposals will be determined at the sole discretion
28 of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-
29 06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to
30 the Engineer for approval.

31 32 **5-04.3(11)B Rejection by Contractor**

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

36 37 **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

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

41
42 No payment will be made for the rejected materials or the removal of the materials unless
43 the Contractor requests that the rejected material be tested. If the Contractor elects to have
44 the rejected material tested, a minimum of three representative samples will be obtained
45 and tested. Acceptance of rejected material will be based on conformance with the
46 nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75,
47 no payment will be made for the rejected material; in addition, the cost of sampling and
48 testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost
49 of sampling and testing will be borne by the Contracting Agency. If the material is rejected
50 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 Composite Pay Factor (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 PFI for any constituent or the CPF of a lot in progress is less than 0.75.

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

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

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

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

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

7
8 The material that is cut away shall be wasted and new mix shall be laid against the cut.
9 Rollers or tamping irons shall be used to seal the joint.

10 11 **5-04.3(12)A2 Longitudinal Joints**

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

20 21 **5-04.3(12)B Bridge Paving Joint Seals**

22 23 **5-04.3(12)B1 HMA Sawcut and Seal**

24 Prior to placing HMA on the bridge deck, establish sawcut alignment points at both ends of
25 the bridge paving joint seals to be placed at the bridge ends, and at interior joints within the
26 bridge deck when and where shown in the Plans. Establish the sawcut alignment points in a
27 manner that they remain functional for use in aligning the sawcut after placing the overlay.

28
29 Submit a Type 1 Working Drawing consisting of the sealant manufacturer's application
30 procedure.

31
32 Construct the bridge paving joint seal as specified on the Plans and in accordance with the
33 detail shown in the Standard Plans. Construct the sawcut in accordance with the detail
34 shown in the Standard Plan. Construct the sawcut in accordance with Section 5-05.3(8)B
35 and the manufacturer's application procedure.

36 37 **5-04.3(12)B2 Paved Panel Joint Seal**

38 Construct the paved panel joint seal in accordance with the requirements specified in
39 section 5-04.3(12)B1 and the following requirement:

- 40
41 1. Clean and seal the existing joint between concrete panels in accordance with Section
42 5-01.3(8) and the details shown in the Standard Plans.

43 44 **5-04.3(13) Surface Smoothness**

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

the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

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

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

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

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of \$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 planning (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

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

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

Locations of existing surfacing to be planed are as shown in the Drawings.

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

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

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other

imperfections. The Contractor must repair any damage to the surface by the Contractor's planing equipment, using an Engineer approved method.

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

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

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

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

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

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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

5-04.3(14)B1 General

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

1. Intersections:

- a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as

appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure, must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

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

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

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

e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
3. Permanent pavement marking must comply with Section 8-22.

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

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

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

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

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

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and

- 1 paving. Briefly describe the sequencing of traffic control consistent with the proposed
- 2 planing and paving sequence, and scheduling of placement of temporary pavement
- 3 markings and channelizing devices after each day's planing, and paving.
- 4 2. A copy of each intersection's traffic control plan.
- 5 3. Haul routes from Supplier facilities, and locations of temporary parking and staging
- 6 areas, including return routes. Describe the complete round trip as it relates to the
- 7 sequencing of paving operations.
- 8 4. Names and locations of HMA Supplier facilities to be used.
- 9 5. List of all equipment to be used for paving.
- 10 6. List of personnel and associated job classification assigned to each piece of paving
- 11 equipment.
- 12 7. Description (geometric or narrative) of the scheduled sequence of planing and of
- 13 paving, and intended area of planing and of paving for each day's work, must include
- 14 the directions of proposed planing and of proposed paving, sequence of adjacent
- 15 lane paving, sequence of skipped lane paving, intersection planing and paving
- 16 scheduling and sequencing, and proposed notifications and coordinations to be
- 17 timely made. The plan must show HMA joints relative to the final pavement marking
- 18 lane lines.
- 19 8. Names, job titles, and contact information for field, office, and plant supervisory
- 20 personnel.
- 21 9. A copy of the approved Mix Designs.
- 22 10. Tonnage of HMA to be placed each day.
- 23 11. Approximate times and days for starting and ending daily operations.

24

25 **5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing**

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

- 38
- 39 1. General for both Paving Plan and for Planing Plan:
- 40 a. The actual times of starting and ending daily operations.
- 41 b. In intersections, how to break up the intersection, and address traffic control and
- 42 signalization for that operation, including use of peace officers.
- 43 c. The sequencing and scheduling of paving operations and of planing operations, as
- 44 applicable, as it relates to traffic control, to public convenience and safety, and to
- 45 other contractors who may operate in the Project Site.
- 46 d. Notifications required of Contractor activities, and coordinating with other entities
- 47 and the public as necessary.
- 48 e. Description of the sequencing of installation and types of temporary pavement
- 49 markings as it relates to planning and to 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, street car rail, and castings, before planning, see Section 5-04.3(14)B2.
 - h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
 - i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
 - j. Other items the Engineer deems necessary to address.
2. Paving – additional topics:
- a. When to start applying tack and coordinating with paving.
 - b. Types of equipment and numbers of each type 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 equipment as it relates to meeting Specification requirements.
 - c. Number of JMFs to be placed, and if more than one JMF how the Contractor will ensure different JMFs are distinguished, how pavers and MTVs are distinguished if more than one JMF is being placed at the time, 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

HMA approaches shall be constructed at the locations shown in the Plans or where staked by the Engineer. The Work shall be performed 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.

Preparation of untreated roadway will be measured by the mile once along the centerline of the main line Roadway. No additional measurement will be made for ramps, Auxiliary Lanes, service roads, Frontage Roads, or Shoulders. Measurement will be to the nearest 0.01 mile.

1 Soil residual herbicide will be measured by the mile for the stated width to the nearest 0.01
2 mile or by the square yard, whichever is designated in the Proposal.

3
4 Pavement repair excavation will be measured by the square yard of surface marked prior to
5 excavation.

6
7 Asphalt for prime coat will be measured by the ton in accordance with Section 1-09.2.

8
9 Prime coat aggregate will be measured by the cubic yard, truck measure, or by the ton,
10 whichever is designated in the Proposal.

11
12 Asphalt for fog seal will be measured by the ton, as provided in Section 5-02.4.

13
14 Longitudinal joint seals between the HMA and cement concrete pavement will be measured
15 by the linear foot along the line and slope of the completed joint seal.

16
17 Planing bituminous pavement will be measured by the square yard.

18
19 Temporary pavement marking will be measured by the linear foot as provided in Section 8-
20 23.4.

21
22 Water will be measured by the M gallon as provided in Section 2-07.4.

23 24 **5-04.4 Measurement**

25 This Section is supplemented with the following:

26
27 (*****)

28 HMA For Pavement Repair Cl. 3/8 In. PG 64-28 and tack coat will not be measured.

29 30 **5-04.5 Payment**

31 Payment will be made for each of the following Bid items that are included in the Proposal:

32
33 "HMA Cl. ____ PG ____", per ton.

34
35 "HMA for Approach Cl. ____ PG ____", per ton.

36
37 "HMA for Preleveling Cl. ____ PG ____", per ton.

38
39 "HMA for Pavement Repair Cl. ____ PG ____", per ton.

40
41 "Commercial HMA", per ton.

42 The unit Contract price per ton for "HMA Cl. ____ PG ____", "HMA for Approach Cl. ____ PG ____",
43 "HMA for Preleveling Cl. ____ PG ____", "HMA for Pavement Repair Cl. ____ PG ____", and
44 "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive,
45 incurred to carry out the requirements of Section 5-04 except for those costs included in other
46 items which are included in this Subsection and which are included in the Proposal.

1 "Preparation of Untreated Roadway", per mile.

2 The unit Contract price per mile for "Preparation of Untreated Roadway" shall be full pay for all
3 Work described under 5-04.3(4) , with the exception, however, that all costs involved in
4 patching the Roadway prior to placement of HMA shall be included in the unit Contract price per
5 ton for "HMA Cl. ____ PG ____" which was used for patching. If the Proposal does not include a
6 Bid item for "Preparation of Untreated Roadway", the Roadway shall be prepared as specified,
7 but the Work shall be included in the Contract prices of the other items of Work.

8
9 "Preparation of Existing Paved Surfaces", per mile.

10 The unit Contract Price for "Preparation of Existing Paved Surfaces" shall be full pay for all Work
11 described under Section 5-04.3(4) with the exception, however, that all costs involved in
12 patching the Roadway prior to placement of HMA shall be included in the unit Contract price per
13 ton for "HMA Cl. ____ PG ____" which was used for patching. If the Proposal does not include a
14 Bid item for "Preparation of Untreated Roadway", the Roadway shall be prepared as specified,
15 but the Work shall be included in the Contract prices of the other items of Work.

16
17 "Crack Sealing", by force account.

18 "Crack Sealing" will be paid for by force account as specified in Section 1-09.6. For the purpose
19 of providing a common Proposal for all Bidders, the Contracting Agency has entered an amount
20 in the Proposal to become a part of the total Bid by the Contractor.

21
22 "Pavement Repair Excavation Incl. Haul", per square yard.

23 The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full
24 payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the
25 exception, however, that all costs involved in the placement of HMA shall be included in the unit
26 Contract price per ton for "HMA for Pavement Repair Cl. ____ PG ____", per ton.

27
28 "Asphalt for Prime Coat", per ton.

29 The unit Contract price per ton for "Asphalt for Prime Coat" shall be full payment for all costs
30 incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).

31
32 "Prime Coat Agg.", per cubic yard, or per ton.

33 The unit Contract price per cubic yard or per ton for "Prime Coat Agg." shall be full pay for
34 furnishing, loading, and hauling aggregate to the place of deposit and spreading the aggregate
35 in the quantities required by the Engineer.

36
37 "Asphalt for Fog Seal", per ton.

38 Payment for "Asphalt for Fog Seal" is described in Section 5-02.5.

39
40 "Longitudinal Joint Seal", per linear foot.

41 The unit Contract price per linear foot for "Longitudinal Joint Seal" shall be full payment for all
42 costs incurred to perform the Work described in Section 5-04.3(12).

43
44 "Planing Bituminous Pavement", per square yard.

45 The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full payment
46 for all costs incurred to perform the Work described in Section 5-04.3(14).

47
48 "Temporary Pavement Marking", per linear foot.

1 Payment for "Temporary Pavement Marking" is described in Section 8-23.5.

2
3 "Water", per M gallon.

4 Payment for "Water" is described in Section 2-07.5.

5
6 "Job Mix Compliance Price Adjustment", by calculation.

7
8 "Job Mix Compliance Price Adjustment" will be calculated and paid for as described in
9 Section 5-04.3(9)C6.

10
11 "Compaction Price Adjustment", by calculation.

12
13 "Compaction Price Adjustment" will be calculated and paid for as described in Section 5-
14 04..3(10)D3.

15
16 "Roadway Core", per each.

17 The Contractor's costs for all other Work associated with the coring (e.g., traffic control) shall be
18 incidental and included within the unit Bid price per each and no additional payments will be
19 made.

20
21 "Cyclic Density Price Adjustment", by calculation.

22
23 "Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-
24 04.3(10)B.

25
26
27 **5-04.5 Payment**

28 This Section is supplemented with the following:
29 (*****)

30
31
32 No separate payment will be made for HMA or tack coat.

33
34
35 **Division 8**
36 **Miscellaneous Construction**

37
38 **8-04 Curbs, Gutters, and Spillways**

39
40 **8-04.1 Description**

41
42 *The section is supplemented with the following:*
43 (*****)

44
45 Replacement curb and gutter shall match the typical dimensions of adjacent curb and
46 gutter unless otherwise directed by the Engineer.

47
48 **8-04.3 Construction Requirements**

49
50 **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

1
2 *The section is revised by replacing paragraph 1 with the following:*
3 *(*****)*

4
5 Cement concrete curb, curb and gutter, and spillway shall be constructed with air
6 entrained concrete Class 3000 conforming to the requirement of Section 6-02.

7
8 *The section is revised by replacing sentence 1 of paragraph 3 with the following:*

9
10 The foundation shall be watered thoroughly before the concrete is placed, and the
11 concrete shall be well tamped and spaded in the forms. Vibration is not authorized.

12
13 *The section is revised by replacing sentence 4 of paragraph 3 with the following:*

14
15 The top, face, and gutter surfaces of the curb shall receive a light brush finish, parallel to
16 the roadway.

17
18 *The section is revised by replacing sentence 1 and 2 of paragraph 4 with the following:*

19
20 The Contractor shall cut joints in the curb and gutter at 10-foot intervals. However, some
21 flexibility is allowed in the placement of joints so that the joints in the curb may line up with
22 the joints in the sidewalk or at transitions, as directed by the Engineer. Full-depth mastic
23 shall be installed at 100-foot intervals and at points of curvature. However, mastic shall
24 not be installed in depressed curb for driveways or curb ramps.

25
26 *The section is supplemented with the following:*

27
28 The Contractor shall provide forms that are clean and well-oiled prior to placement. The
29 top of the form shall not depart from grade more than 1/8-inch when checked with a 10-
30 foot straight edge and the alignment shall not vary more than 1/4-inch in 10 feet, with the
31 exception for curbs installed on curves. Curbs installed along curves shall not be
32 constructed of straight curb segments.

33
34 The Contractor shall remove pavement adjacent to the existing curb that is being removed
35 for replacement. The Contractor shall remove enough pavement adjacent to the curb to
36 allow for compaction of successive HMA layers, and additional pavement may be required
37 to be removed to correct depressions or critical slopes in the pavement adjacent to the
38 curb, as directed by the Engineer. HMA patches shall be placed in accordance with
39 Section 5-06. However, the Contractor may not be required to remove any pavement for
40 curb replacement provided that the edge of pavement is not disturbed during curb
41 removal, the adjacent pavement is in good condition, and the adjacent pavement has the
42 required grade for HMA at the completion of the curb replacement.

43
44 The Contractor shall remove full sections of the existing curb when removing and
45 replacing curbs and gutters. However, the Contractor may salvage portions of curb
46 adjacent to the curb that has been removed by Sawcutting the damaged ends, provided
47 that the salvaged portion is completely intact, has not been moved or displaced by
48 removing curb or sidewalk adjacent to it, and at least 5-feet of salvageable curb remains.
49 The Contractor shall remove additional curb as directed by the Engineer if the adjacent
50 curb has been damaged at the point of connection. The Contractor shall install one 12-
51 inch, No. 4 rebar, four to eight inches into each existing curb end that remains, prior to
52 pouring new curb. The dowel shall be installed in the heel portion of the existing curb.

As an option to removing curb to install a new driveway approach in an existing curb, the Contractor may sawcut the face of curb to the shape of a standard curb cut. The back-of-curb shall not be greater than 1.5 inches above the flow line for driveway cuts.

Concrete shall meet the cold-weather protection requirements specified in Section 8-14.3(3).

8-04.5 Payment

The section is replaced with the following:
(*****)

Payment will be made for the following Bid items when included in the Proposal:

“Cement Concrete Curb and Gutter, Type ___”, per linear foot.

The unit Contract price per linear foot for “Cement Concrete Curb and Gutter, Type ___” shall be full compensation for all structure excavation, preparation of subgrade, maintenance rock, forms, placement of concrete, backfill, compaction, and all other materials, tools, equipment, and labor required for the construction of the curb in accordance with the plans and specifications and as directed by the Engineer.

No payment shall be made for CSTC that is placed beneath or behind the curb and gutter.

8-14 Cement Concrete Sidewalks

8-14.1 Description

The section is replaced with the following:
(*****)

The work shall consist of constructing concrete sidewalks, driveways, and bulb-outs in accordance with these specifications and in conformity with the lines, grades, thicknesses, and typical cross-sections shown in the plans or as established by the Engineer.

8-14.2 Materials

The section is revised by replacing the first sentence of paragraph 2 with the following:
(*****)

Detectable warning surfaces for curb ramps shall meet the requirements of Section 9-21.4.

Pavement Markings – Type B shall meet the requirements of Section 9-34.

8-14.3 Construction Requirements

Section 8-14.3 is supplemented with the following:

(January 7, 2019)

Timing Restrictions

Curb ramps shall be constructed on one leg of the intersection at a time. The curb ramps shall be completed and open to traffic within five calendar days before construction can begin on another leg of the intersection unless otherwise allowed by the Engineer.

Unless otherwise allowed by the Engineer, the five calendar day time restriction begins when an existing curb ramp for the quadrant or traffic island/median is closed to pedestrian use and ends when the quadrant or traffic island/median is fully functional and open for pedestrian access.

(January 7, 2019)

Layout and Conformance to Grades

Using the information provided in the Contract documents, the Contractor shall lay out, grade, and form each new curb ramp, sidewalk, and curb and gutter.

8-14.3(3) Placing and Finishing Concrete

(*****)

The section is revised by replacing paragraph 2 with the following:

The Contractor shall brush the surface of the sidewalks with a stiff bristled broom in a direction perpendicular to the curb, after troweling and after edging.

The section is revised by replacing the third, fourth, and fifth paragraphs with the following:

Control joints shall be spaced in accordance with the details and as directed by the Engineer. All control joints shall be perpendicular to the curb.

The Contractor shall place expansion joints every 20 to 30 feet, to align with the spacing for control joints, as directed by the Engineer. Expansion joints shall not be installed in driveways or ramps. Expansion joints shall be installed perpendicular to the curb, for the full depth of concrete.

The Contractor shall edge all joints and sidewalk edges with a 1/2-inch radius edger. Edgers for control joints shall be 1-inch-deep.

The Contractor shall not spray water on the surface of the concrete for finishing; however, a very light mist may be acceptable by the Engineer.

The Contractor shall immediately cover all concrete with plastic if rain begins to fall before the concrete has set up. Any sidewalks that have been subjected to rain prior to setting may be rejected.

Any concrete finish that has a vertical difference of 1/4 -inch or more between panels shall be rejected.

Cold Weather Protection

To achieve adequate curing on sidewalks and driveway approaches, surface temperature of the concrete shall be maintained by the Contractor above 50 degrees Fahrenheit for three days. When the National Weather Bureau predicts temperatures below 35 degrees Fahrenheit for the 72-hour period after concrete is placed, the Contractor shall provide a thermometer on the finish concrete surface, to record the lowest temperature. The Contractor shall maintain the thermometer and cold weather protection for the finished concrete until the concrete has been maintained above 50 degrees Fahrenheit for three days. The cure period does not need to be 3 continuous days but shall consist of three or more continuous periods of 24 hours or greater. If the lowest surface temperature of the

concrete drops below 32 degrees Fahrenheit before the three-day cure period has been achieved, the concrete may be rejected by the Engineer.

8-14.3(4) Curing
(*****)

The section is supplemented with the following:

The Contractor may use clear pigment curing compound as an alternative to moist burlap or quilted blankets. The Contractor shall apply clear pigment in accordance with the procedures outlined in Section 5-05.3(13)A. The curing agent shall be applied immediately after brooming. However, between October 1st and March 31st, curing compound shall only be used if recommended by the manufacturer for temperatures encountered.

8-14.3(5) Detectable Warning Surface
(*****)

The section is revised by replacing the first paragraph with the following:

The detectable warning surface shall be located as shown in the plans or as directed by the Engineer. Placement of the detectable warning surface shall be in accordance with the manufacturer's recommendation for placement in fresh concrete, before the concrete has reached initial set.

THE FOLLOWING SECTION (8-14.3(6)) IS ADDED:

8-14.3(6) Bulb-Outs
(*****)

The Contractor shall construct thirty (30) bulb-outs at the nine locations shown in the drawings. The Contractor shall remove the existing improvements at the corners, dispose on the material, and construct the bulb-out improvements as shown.

The Contractor may only have five (5) of the nine (9) locations disturbed and under construction at the same time.

City staff will work with the Contractor to layout each bulb-out, if necessary. Exact elevations of the curb and flowline have not been established but will be based on the elevation of the existing asphalt.

8-14.4 Measurement

The section is replaced with the following:
(*****)

Measurement for cement concrete sidewalks and driveways will be by the square yard for the surface of concrete placed unless the work is part of the bulb-out locations.

Cement concrete sidewalk required to be 6 inches depth or greater shall be measured as cement concrete driveway.

Concrete shall be measured to the nearest 0.5 square yard.

Water meter tile, ring, and cover adjustments will not be measured.

Maintenance rock or CSTC placed in preparation for sidewalks, driveways, slabs, and bike paths will not be measured.

Each of the groups of bulb-outs at the nine (9) locations will be measured per lump sum for all work shown at those locations.

Curb ramp detectable warning surface will not be measured.

8-14.5 Payment

The section is replaced with the following:

(*****)

Payment will be made for the following Bid items when included in the Proposal:

“Cement Concrete Sidewalk”, per square yard.

“Cement Concrete Driveway”, per square yard.

The unit Contract price per square yard for “Cement Concrete Sidewalk” and “Cement Concrete Driveway” shall be full compensation for all labor, materials, and equipment required to excavate and compact subgrade, place and grade maintenance rock, place and set forms and all other work required to construct the sidewalk or driveway and fill in behind to match the existing area in accordance with the plans and specifications and as directed by the Engineer.

“Bulb-Outs ___-___”, per lump sum.

The unit Contract price per lump sum for “Bulb-Outs ___-___” shall be full compensation for all labor, materials, and equipment required to remove and dispose of the existing improvements, excavate, complete storm water improvements, relocate fire hydrant, compact subgrade, place and grade maintenance rock, place and set forms, remove/install pavement markings, place concrete, provide and install permanent signage, and all other work required to construct the bulb-outs at each location in accordance with the plans and specifications and as directed by the Engineer.

DIVISION 9 MATERIALS

The Division is supplemented by including the following prior to Section 9-00:

Submittals for all materials used on the project shall be approved by the Municipal Services Department prior to installation of the item.

9-03 Aggregates

9-03.12 Gravel Backfill

9-03.12(3) Gravel Backfill for Pipe Zone Bedding

(*****)

The section is revised by deleting the final paragraph:

1 **9-03.12(5) Gravel Backfill for Drywells**

2 **(*****)**

3
4 *The section is revised by replacing the gradation requirements as follows:*

Sieve Size	Percent Passing
3-inch square	100
1/2-inch square	0 - 20
1/4-inch square	0 - 2.0
U.S. No. 200	0 - 1.5

11
12 **9-05 Drainage Structures and Culverts**

13
14 **9-05.15 Metal Castings**

15
16 **9-05.15(1) Manhole Ring and Cover**

17 **(*****)**

18
19 *The section is supplemented with the following:*

20
21 Approved ring and covers include the following:

D & L Foundry	A-2000
East Jordan Iron Works, Inc.	Frame: 3700Z, Cover: 3700C DI
Olympic Foundry	MH30K-ML

26
27 **9-05.15(2) Metal Frame, Grate, And Solid Metal Cover for Catch Basins or Inlets**

28 **(*****)**

29
30 *The section is supplemented with the following:*

31
32 The following catch basin frames and covers are approved for installation:

D & L Foundry	I-4432.02(with vaned grate)
D & L Foundry	I-4432.03(with bi-directional vaned grate)
D & L Foundry	I-4435.02(with vaned grate)
D & L Foundry	I-4435.03(with bi-directional vaned grate)

38
39 Herringbone grates are not approved for installation.

40
41 **9-05.50 Precast Concrete Drainage Structures**

42
43 **9-05.50(2) Manholes**

44 **(*****)**

45
46 *The section is supplemented with the following:*

47
48 Ladder Rungs shall be Co-Polymer Polypropylene conforming to ASTM 2146-82, type II,
49 grade 43758, with 1/2-inch diameter, grade 60, steel reinforcing bars.

50
51 The Contractor shall provide precast manhole elements with ladder rungs, vertically
52 aligned, such that the completed manhole shall contain a continuous vertical ladder with
53 rungs equally spaced at 12-inches. The lowest rung shall not be more than 16 inches

above the shelf, and the uppermost rung shall not be more than 12-inches below the top of cone.

9-05.50(3) Precast Concrete Catch Basins
(*****)

The section is revised by replacing paragraph 1 with the following:

Precast concrete catch basin construction shall conform to the requirements of Section 9-05.50(1), except that the dimensions shall conform to the catch basin detail.

Round concrete base sections may be used when they include an approved frame and cover, an inside diameter of 27 inches, and an outside diameter of 33 inches. A submittal on the round catch basin shall be provided by the Contractor for approval prior to use.

9-14 Erosion Control and Roadside Planting

9-14.6 Plant Materials

9-14.6(8) Sod
(*****)

The section is supplemented with the following:

The maintenance period shall begin on the date the Engineer approves the placed sod and shall continue for 10 days. At the end of the maintenance period, the Engineer shall mark all sod for replacement that is not in a healthy, growing condition. All sod marked by the Engineer for replacement shall be removed and replaced by the Contractor at the Contractor's expense. Sod that is replaced shall be of the same mixture and grade as the surviving sod.

Sod shall be mature, densely-rooted grass, and shall possess the following characteristics:

- Uniformity
- Acceptable color
- Freedom from weeds and weed seeds
- Adequate sod strength for handling

9-21 Raised Pavement Markers (RPM)

THE FOLLOWING SECTION (9-21.4) IS ADDED:

9-21.4 Detectable Warning Surfaces for Curb Ramps
(*****)

The color of the detectable warning surface for curb ramps shall be in accordance with Section 8-14.3(3).

The following detectable warning surfaces are approved for installation:

Armor-Tile, manufactured by Engineered Plastics Inc.

1 Neenah Foundry Company, cast-iron, ADA-Compliant, Truncated-Dome, Detectable
2 Warning Plate, with federal-yellow powder-coated finish.

3
4 East Jordan Iron Works, gray-iron, heavy-duty, detectable warning plate, with yellow
5 powder coating RAL 1003 (Product Number 00700585).
6

7 **9-34 Pavement Marking Material**

8
9 **9-34.3 Plastic**
10 **(*****)**

11
12 *The section is revised by replacing the first sentence with the following:*
13

14 White and yellow pavement marking materials shall comply with the Specifications for
15 Type B "Pre-Formed Fused Thermoplastic". Type B thermoplastic shall be Premark-
16 Plastic, or an Engineer approved equal.
17

ASH STREET SAFETY IMPROVEMENTS

APPENDIX A

STATE PREVAILING WAGES

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: 5/4/2021

County	Trade	Job Classification	Wage	Holiday	Overtime	Note	*Risk
Class							
Adams	Asbestos Abatement Workers	Journey Level	\$42.54	5D	1H	View	View
Adams	Boilermakers	Journey Level	\$70.79	5N	1C	View	View
Adams	Brick Mason	Journey Level	\$51.84	5A	1M	View	View
Adams	Building Service Employees	Janitor	\$13.69		1	View	View
Adams	Building Service Employees	Shampooer	\$13.69		1	View	View
Adams	Building Service Employees	Waxer	\$13.69		1	View	View
Adams	Building Service Employees	Window Cleaner	\$13.69		1	View	View
Adams	Cabinet Makers (In Shop)	Journey Level	\$13.69		1	View	View
Adams	Carpenters	Acoustical Worker	\$49.27	7E	4X	8N	View
Adams	Carpenters	Bridge, Dock & Wharf Carpenter	\$50.53	7E	4X	8N	View
Adams	Carpenters	Floor Layer & Floor Finisher	\$49.27	7E	4X	8N	View
Adams	Carpenters	Form Builder	\$49.27	7E	4X	8N	View
Adams	Carpenters	General Carpenter	\$49.27	7E	4X	8N	View
Adams	Carpenters	Heavy Construction Carpenter	\$54.48	7E	4X	9E	View
Adams	Carpenters	Scaffold/Shoring Erecting & Dismantling	\$54.48	7E	4X	8N	View
Adams	Cement Masons	Journey Level	\$46.83	7B	1N	View	View
Adams	Divers & Tenders	Assistant Tender	\$56.73	7E	4X	View	View
Adams	Divers & Tenders	Dive Supervisors	\$104.98	7E	4X	View	View
Adams	Divers & Tenders	Diver	\$103.48	7E	4X	8V	View
Adams	Divers & Tenders	Diver on Standby	\$60.42	7E	4X	View	View
Adams	Divers & Tenders	Diver Tender	\$59.42	7E	4X	View	View
Adams	Divers & Tenders	Diving Master	\$70.53	7E	4X	View	View
Adams	Divers & Tenders	Manifold Operator	\$59.42	7E	4X	View	View
Adams	Divers & Tenders	Manifold Operator Mixed Gas	\$63.42	7E	4X	View	View
Adams	Divers & Tenders	Remote Operated Vehicle Operator	\$59.42	7E	4X	View	View
Adams	Divers & Tenders	Remote Operated Vehicle Tender/Technician	\$56.73	7E	4X	View	View
Adams	Divers & Tenders	Surface RCV & ROV Operator	\$59.42	7E	4X	View	View

Adams	Dredge Workers	Assistant Engineer	\$70.62	5D	3E	View
Adams	Dredge Workers	Assistant Mate (Deckhand)	\$70.07	5D	3E	View
Adams	Dredge Workers	Boatmen	\$70.62	5D	3E	View
Adams	Dredge Workers	Engineer Welder	\$71.97	5D	3E	View
Adams	Dredge Workers	Leverman, Hydraulic	\$73.41	5D	3E	View
Adams	Dredge Workers	Mates	\$70.62	5D	3E	View
Adams	Dredge Workers	Oiler	\$70.07	5D	3E	View
Adams	Drywall Applicator	Journey Level	\$49.27	7E	4X	8N
Adams	Drywall Tapers	Journey Level	\$44.38	7E	1P	View
Adams	Electrical Fixture Maintenance Workers	Journey Level	\$13.69	1	1	View
Adams	Electricians - Inside	Journeyman	\$57.77	7G	1E	View
Adams	Electricians - Motor Shop	Craftsman	\$15.37	1	1	View
Adams	Electricians - Motor Shop	Journey Level	\$14.69	1	1	View
Adams	Electricians - Powerline	Cable Splicer	\$82.39	5A	4D	View
Adams	Electricians - Powerline	Certified Line Welder	\$75.64	5A	4D	View
Adams	Electricians - Powerline	Groundperson	\$49.17	5A	4D	View
Adams	Electricians - Powerline	Heavy Line Equipment Operator	\$75.64	5A	4D	View
Adams	Electricians - Powerline	Journey Level Lineperson	\$75.64	5A	4D	View
Adams	Electricians - Powerline	Line Equipment Operator	\$64.54	5A	4D	View
Adams	Electricians - Powerline	Meter Installer	\$49.17	5A	4D	8W
Adams	Electricians - Powerline	Pole Sprayer	\$75.64	5A	4D	View
Adams	Electricians - Powerline	Powderperson	\$56.49	5A	4D	View
Adams	Electronic Technicians	Journey Level	\$46.21	5I	1B	View
Adams	Elevator Constructors	Mechanic	\$100.51	7D	4A	View
Adams	Elevator Constructors	Mechanic In Charge	\$108.53	7D	4A	View
Adams	Fabricated Precast Concrete Products	Journey Level	\$13.69	1	1	View
Adams	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.69	1	1	View
Adams	Fence Erectors	Fence Erector	\$42.54	7B	1M	8Z
Adams	Fence Erectors	Fence Erector	\$42.54	7B	1M	8Z
Adams	Flaggers	Journey Level	\$40.44	7B	1M	8Z
Adams	Glaziers	Journey Level	\$34.56	7L	4L	View
Adams	Heat & Frost Insulators And Asbestos Workers	Journey Level	\$55.24	5K	1U	View
Adams	Heating Equipment Mechanics	Journey Level	\$58.36	6Z	1B	View
Adams	Hot Carriers & Mason Tenders	Journey Level	\$43.39	7B	1M	8Z
Adams	Industrial Power Vacuum Cleaner	Journey Level	\$13.69	1	1	View
Adams	Inland Boatmen	Journey Level	\$13.69	1	1	View

4/5/2021	aboutblank	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	1	View	4/5/2021	aboutblank	Firewatch	1M	8Z	View
Adams						Adams		Form Cleaning Machine Feeder, Stacker	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	1	View	Adams		Form Setter, Paving	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	1	View	Adams		General Laborer	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	1	View	Adams		Grade Checker	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Grout Machine Header Tender	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Guard Rail	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Gunitite	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Hazardous Waste Worker (level A)	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Hazardous Waste Worker (level B)	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Hazardous Waste Worker (level C)	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Hazardous Waste Worker (level D)	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Hdpe Or Similar Liner Installer	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		High Scaler	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Jackhammer Operator Miner, Class "b"	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Laser Beam Operator	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Miner, Class "a"	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Miner, Class "c"	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Miner, Class "d"	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Monitor Operator, Air Track Or Similar Mounting	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Mortar Mixer	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Nipper	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Nozzleman	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Nozzleman, Water (to Include Fire Hose), Air Or Steam	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pavement Breaker, 90 Lbs. & Over	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pavement Breaker, Under 90 Lbs.	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pipelayer	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pipelayer, Corrugated Metal Culvert And Multi-plate.	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pipewrapper	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Plasterer Tenders	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Pot Tender	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Powderman	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Powderman Helper	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Power Buggy Operator	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Power Tool Operator, Gas, Electric, Pneumatic	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Railroad Equipment, Power Driven, Except Dual Mobile	1M	8Z	View
Adams		Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control		1	View	Adams		Railroad Power Spiker Or	1M	8Z	View
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Adams	Laborers	Puller, Dual Mobile	1M	8Z	View
Adams	Laborers	Remote Equipment Operator	7B	1M	View
Adams	Laborers	Remote Equipment Operator (i.e. Compaction And Demolition)	7B	1M	View
Adams	Laborers	Rigger/signal Person	7B	1M	View
Adams	Laborers	Riprap Person	7B	1M	View
Adams	Laborers	Rodder & Spreader	7B	1M	View
Adams	Laborers	Sandblast Tailhooseman	7B	1M	View
Adams	Laborers	Scaffold Erector, Wood Or Steel	7B	1M	View
Adams	Laborers	Stake Jumper	7B	1M	View
Adams	Laborers	Structural Mover	7B	1M	View
Adams	Laborers	Tailhooseman (water Nozzle)	7B	1M	View
Adams	Laborers	Timber Bucker & Faller (by Hand)	7B	1M	View
Adams	Laborers	Track Laborer (rr)	7B	1M	View
Adams	Laborers	Traffic Control Laborer	7B	1M	View
Adams	Laborers	Traffic Control Supervisor	7B	1M	View
Adams	Laborers	Trencher, Shawnee	7B	1M	View
Adams	Laborers	Trenchless Technology Technician	7B	1M	View
Adams	Laborers	Truck Loader	7B	1M	View
Adams	Laborers	Tugger Operator	7B	1M	View
Adams	Laborers	Vibrators, All	7B	1M	View
Adams	Laborers	Wagon Drills	7B	1M	View
Adams	Laborers	Water Pipe Liner	7B	1M	View
Adams	Laborers	Welder, Electrical, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	7B	1M	View
Adams	Laborers	Well-point Person	7B	1M	View
Adams	Laborers	Wheelbarrow, Power Driven	7B	1M	View
Adams	Laborers	General Laborer & Topman	7B	1M	View
Adams	Laborers - Underground Sewer & Water	Pipe Layer	7B	1M	View
Adams	Laborers - Underground Sewer & Water	Landscape Laborer	7B	1M	View
Adams	Landscape Construction	Landscape Operator	7B	4W	View
Adams	Landscape Maintenance	Groundskeeper	7B	1	View
Adams	Lathers	Journey Level	7E	4X	View
Adams	Marble Setters	Journey Level	5A	1M	View
Adams	Metal Fabrication (in Shop)	Fitter	1	1	View
Adams	Metal Fabrication (in Shop)	Laborer	1	1	View
Adams	Metal Fabrication (in Shop)	Machine Operator	1	1	View
Adams	Metal Fabrication (in Shop)	Painter	1	1	View
Adams	Millwright	Journey Level	5A	1B	View
Adams	Modular Buildings	Journey Level	1	1	View
Adams	Painters	Commercial Painter	6Z	1W	View
Adams	Painters	Industrial Painter	6Z	1W	View

Adams	Pile Driver	General Pile Driver	4X	8N	View
Adams	Pile Driver	Heavy Construction Pile Driver	4X	9E	View
Adams	Plasterers	Journey Level	1N	1	View
Adams	Playground & Park Equipment Installers	Journey Level	1	1	View
Adams	Plumbers & Pipefitters	Journey Level	1Q	1Q	View
Adams	Power Equipment Operators	A-frame Truck (2 Or More Drums)	4W	9A	View
Adams	Power Equipment Operators	A-frame Truck (single Drum)	4W	9A	View
Adams	Power Equipment Operators	Asphalt Plant Operator	4W	9A	View
Adams	Power Equipment Operators	Assistant Plant Operator, Fireman Or Pugmiser (asphalt)	4W	9A	View
Adams	Power Equipment Operators	Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	4W	9A	View
Adams	Power Equipment Operators	Assistant Refrigeration Plant (under 1000 Ton)	4W	9A	View
Adams	Power Equipment Operators	Automatic Subgrader (ditches & Trimmers)	4W	9A	View
Adams	Power Equipment Operators	Backfillers (cleveland & Similar)	4W	9A	View
Adams	Power Equipment Operators	Backhoe & Hoe Ram (under 3/4 Yd.)	4W	9A	View
Adams	Power Equipment Operators	Backhoe (45,000 Gw & Under)	4W	9A	View
Adams	Power Equipment Operators	Backhoe (45,000 Gw To 110,000 Gw)	4W	9A	View
Adams	Power Equipment Operators	Backhoe (over 110,000 Gw)	4W	9A	View
Adams	Power Equipment Operators	Backhoes & Hoe Ram (3 Yds & Over)	4W	9A	View
Adams	Power Equipment Operators	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	4W	9A	View
Adams	Power Equipment Operators	Bagley Or Stationary Scraper	4W	9A	View
Adams	Power Equipment Operators	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	4W	9A	View
Adams	Power Equipment Operators	Batch Plant & Wet Mix Operator, Single Unit (concrete)	4W	9A	View
Adams	Power Equipment Operators	Batch Plant (over 4 Units)	4W	9A	View
Adams	Power Equipment Operators	Belt Finishing Machine	4W	9A	View
Adams	Power Equipment Operators	Belt Loader (kocal Or Similar)	4W	9A	View
Adams	Power Equipment Operators	Belt-crete Conveyors With Power Pack Or Similar	4W	9A	View
Adams	Power Equipment Operators	Bending Machine	4W	9A	View
Adams	Power Equipment Operators	Bit Grinders	4W	9A	View
Adams	Power Equipment Operators	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	4W	9A	View
Adams	Power Equipment Operators	Blade Operator (motor Patrol & Attachments)	4W	9A	View
Adams	Power Equipment Operators	Blower Operator (cement)	4W	9A	View

4/5/2021	about:blank	4/5/2021	about:blank
Adams	Power Equipment Operators	Boat Operator	Power Equipment Operators
Adams	Power Equipment Operators	Bob Cat (skid Steer)	Power Equipment Operators
Adams	Power Equipment Operators	Bolt Threading Machine	Power Equipment Operators
Adams	Power Equipment Operators	Boom Cats (side)	Power Equipment Operators
Adams	Power Equipment Operators	Boring Machine (earth)	Power Equipment Operators
Adams	Power Equipment Operators	Boring Machine (Rock Under 8 inch Bit - Quarry Master, Joy Or Similar)	Power Equipment Operators
Adams	Power Equipment Operators	Bump Cutter (wayne, Saginaw Or Similar)	Power Equipment Operators
Adams	Power Equipment Operators	Cableway Controller (dispatcher)	Power Equipment Operators
Adams	Power Equipment Operators	Cableway Operators	Power Equipment Operators
Adams	Power Equipment Operators	Canal Lining Machine (concrete)	Power Equipment Operators
Adams	Power Equipment Operators	Carrydeck & Boom Truck (under 25 Tons)	Power Equipment Operators
Adams	Power Equipment Operators	Cement Hog	Power Equipment Operators
Adams	Power Equipment Operators	Chipper (without Crane)	Power Equipment Operators
Adams	Power Equipment Operators	Cleaning & Doping Machine (pipeline)	Power Equipment Operators
Adams	Power Equipment Operators	Clamshell, Dragline	Power Equipment Operators
Adams	Power Equipment Operators	Compactor (self-propelled With Blade)	Power Equipment Operators
Adams	Power Equipment Operators	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	Power Equipment Operators
Adams	Power Equipment Operators	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	Power Equipment Operators
Adams	Power Equipment Operators	Concrete Cleaning / Decontamination Machine Operator	Power Equipment Operators
Adams	Power Equipment Operators	Concrete Pump Boon Truck	Power Equipment Operators
Adams	Power Equipment Operators	Concrete Pumps (squeeze-crete, Flow-crete, Whitman & Similar)	Power Equipment Operators
Adams	Power Equipment Operators	Concrete Saw (multiple Cut)	Power Equipment Operators
Adams	Power Equipment Operators	Concrete Slip Form Paver	Power Equipment Operators
Adams	Power Equipment Operators	Conveyor Aggregate Delivery Systems (c.a.d.)	Power Equipment Operators
Adams	Power Equipment Operators	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	Power Equipment Operators
Adams	Power Equipment Operators	Cranes (100 to 299 Tons) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	Power Equipment Operators
Adams	Power Equipment Operators	Cranes (25 Tons & Under), All Attachments Incl. Clamshell, Dragline	Power Equipment Operators
Adams	Power Equipment Operators	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	Power Equipment Operators
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4/5/2021	about:blank	4/5/2021	about:blank	about:blank
Adams	Power Equipment Operators	Grade Checker	\$49.11	7B
Adams	Power Equipment Operators	Gunitite Combination Mixer & Compressor	\$48.79	7B
Adams	Power Equipment Operators	H.d. Mechanic	\$49.66	7B
Adams	Power Equipment Operators	H.d. Welder	\$49.66	7B
Adams	Power Equipment Operators	Heavy Equipment Robotics Operator	\$49.66	7B
Adams	Power Equipment Operators	Helicopter Pilot	\$50.76	7B
Adams	Power Equipment Operators	Helper, Mechanic Or Welder, H.D	\$47.86	7B
Adams	Power Equipment Operators	Hoe Ram	\$49.11	7B
Adams	Power Equipment Operators	Hoist (2 Or More Drums Or Tower Hoist)	\$48.95	7B
Adams	Power Equipment Operators	Hoist, Single Drum	\$48.18	7B
Adams	Power Equipment Operators	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$49.66	7B
Adams	Power Equipment Operators	Hydro-seeder, Mulcher, Nozzelman	\$47.86	7B
Adams	Power Equipment Operators	Lime Batch Tank Operator (recycle Train)	\$49.39	7B
Adams	Power Equipment Operators	Lime Brain Operator (recycle Train)	\$49.39	7B
Adams	Power Equipment Operators	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$49.66	7B
Adams	Power Equipment Operators	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	\$49.39	7B
Adams	Power Equipment Operators	Loaders (bucket Elevators And Conveyors)	\$48.18	7B
Adams	Power Equipment Operators	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	\$49.66	7B
Adams	Power Equipment Operators	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	\$48.95	7B
Adams	Power Equipment Operators	Loaders (overhead And Front-end, 10 Yds. & Over)	\$50.76	7B
Adams	Power Equipment Operators	Locomotive Engineer	\$48.79	7B
Adams	Power Equipment Operators	Longitudinal Float	\$48.18	7B
Adams	Power Equipment Operators	Master Environmental Maintenance Technician	\$49.66	7B
Adams	Power Equipment Operators	Mixer (portable - Concrete)	\$48.18	7B
Adams	Power Equipment Operators	Mixermobile	\$48.79	7B
Adams	Power Equipment Operators	Mobile Crusher Operator (recycle Train)	\$49.39	7B
Adams	Power Equipment Operators	Mucking Machine	\$48.79	7B
Adams	Power Equipment Operators	Multiple Dozer Units With Single Blade	\$49.39	7B
Adams	Power Equipment Operators	Pavement Breaker, Hydraulic Hammer & Similar	\$48.18	7B
Adams	Power Equipment Operators	Paving (dual Drum)	\$49.11	7B
Adams	Power Equipment Operators	Paving Machine (asphalt And Concrete)	\$49.39	7B
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4/5/2021	about:blank	4/5/2021	about:blank	about:blank
Adams	Power Equipment Operators	Piledriving Engineers	\$49.11	7B
Adams	Power Equipment Operators	Plant Oilier	\$47.86	7B
Adams	Power Equipment Operators	Posthole Auger Or Punch	\$48.79	7B
Adams	Power Equipment Operators	Pump (grount Or Jet)	\$48.18	7B
Adams	Power Equipment Operators	Pump (broom)	\$48.79	7B
Adams	Power Equipment Operators	Pumpman	\$47.86	7B
Adams	Power Equipment Operators	Quad-track Or Similar Equipment	\$49.39	7B
Adams	Power Equipment Operators	Railroad Ballast Regulation Operator (self-propelled)	\$48.18	7B
Adams	Power Equipment Operators	Railroad Power Tamper Operator (self-propelled)	\$48.18	7B
Adams	Power Equipment Operators	Railroad Tamper Jack Operator (self-propelled)	\$48.18	7B
Adams	Power Equipment Operators	Railroad Track Liner Operator (self-propelled)	\$49.11	7B
Adams	Power Equipment Operators	Refrigeration Plant Engineer (1000 Tons & Over)	\$49.11	7B
Adams	Power Equipment Operators	Refrigeration Plant Engineer (under 1000 Ton)	\$48.95	7B
Adams	Power Equipment Operators	Roller (finishing Asphalt Pavement)	\$49.39	7B
Adams	Power Equipment Operators	Rollers, All Types On Subgrade, Including Seal And Chip Coating (farm Type, Case, John Deere And Similar or Compacting Vibrator), Except When Pulled B	\$47.86	7B
Adams	Power Equipment Operators	Roto Mill (pavement Grinder)	\$49.39	7B
Adams	Power Equipment Operators	Rotomill Groundsman	\$48.95	7B
Adams	Power Equipment Operators	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$49.66	7B
Adams	Power Equipment Operators	Rubber-tired Skidders (r/t With Or Without Attachments)	\$48.95	7B
Adams	Power Equipment Operators	Scrapers, All, Rubber-tired	\$49.39	7B
Adams	Power Equipment Operators	Screed Operator	\$49.39	7B
Adams	Power Equipment Operators	Shovels (3 Yds. & Over)	\$49.66	7B
Adams	Power Equipment Operators	Shovels (under 3 Yds.)	\$49.39	7B
Adams	Power Equipment Operators	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$49.11	7B
Adams	Power Equipment Operators	Soil Stabilizer (p & H Or Similar)	\$48.79	7B
Adams	Power Equipment Operators	Spray Curing Machine (concrete)	\$48.18	7B
Adams	Power Equipment Operators	Spreader Box (self-propelled)	\$48.18	7B
Adams	Power Equipment Operators	Spreader Machine	\$48.79	7B
Adams	Power Equipment Operators	Stream Cleaner	\$47.86	7B
Adams	Power Equipment Operators	Straddle Buggy (ross & Similar On Construction Job Only)	\$48.18	7B
Adams	Power Equipment Operators	Surface Heater & Planer	\$48.95	7B

4/15/2021	about:blank	Machine	Adams	4/15/2021	about:blank	Adams	Power Equipment Operators- Underground Sewer & Water	Bagley Or Stationary Scraper	\$48.18	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water	4/15/2021	about:blank
		Tractor (farm Type R/t With Attachments, Except Backhoe)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$49.39	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Traverse Finish Machine	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Batch Plant & Wet Mix Operator, Single Unit (concrete)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Trenching Machines (7 Ft. Depth & Over)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Batch Plant (over 4 Units)	\$49.39	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Trenching Machines (under 7 Ft. Depth Capacity)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Belt Finishing Machine	\$48.18	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Tug Boat Operator	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Belt Loader (kocal Or Similar)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Tugger Operator	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Belt-crete Conveyors With Power Pack Or Similar	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Turnhead (with Re-screening)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Bending Machine	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Turnhead Operator	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Bit Grinders	\$47.86	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Blade (finish & Blueprint), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	\$49.66	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Vactor Guzzler, Super Sucker	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Blade Operator (motor Patrol & Attachments)	\$49.39	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Vacuum Blasting Machine Operator	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Blower Operator (cement)	\$48.18	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Vacuum Drill (reverse Circulation Drill Under 8 Inch Bit)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Boat Operator	\$47.86	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Welding Machine	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Bob Cat (skid Steel)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Whirleys & Hammerheads, All	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Bolt Threading Machine	\$47.86	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		A-frame Truck (2 Or More Drums)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Boom Cats (side)	\$49.39	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		A-frame Truck (single Drum)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Boring Machine (earth)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Asphalt Plant Operator	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Boring Machine (Rock Under 8 inch Bit - Quarry Master, Joy Or Similar)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Bump Cutter (wayne, Sagnau Or Similar)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Cableway Controller (dispatcher)	\$49.39	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Assistant Refrigeration Plant (under 1000 Ton)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Cableway Operators	\$49.66	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Automatic Subgrader (ditches & Trimmers)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Canal Lining Machine (concrete)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Backfillers (cleveland & Similar)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Carrydeck & Boom Truck (under 25 Tons)	\$49.11	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoe & Hoe Ram (under 3/4 Yd.)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Cement Hog	\$48.18	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoe (45,000 Gw & Under)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water	Chipper (without Crane)	\$48.79	7B	4W	9A	View	Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoe (45,000 Gw To 110,000 Gw)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water							Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoe (over 110,000 Gw)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water							Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoes & Hoe Ram (3 Yds & Over)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water							Adams	Power Equipment Operators- Underground Sewer & Water		
		Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	Adams			Adams	Power Equipment Operators- Underground Sewer & Water							Adams	Power Equipment Operators- Underground Sewer & Water		

4/5/2021	about:blank	4/5/2021	about:blank	15/19	about:blank
Adams	Underground Sewer & Water	Compressor			
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Mechanic	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Welder	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Heavy Equipment Robotics Operator	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Helicopter Pilot	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Helper, Mechanic Or Welder, H.D	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoe Ram	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoist (2 Or More Drums Or Tower Hoist)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoist, Single Drum	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hydraulic Platform Trailers (goldhofer, Shaurely And Similar)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hydro-seeder, Mulcher, Nozzelman	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Lime Batch Tank Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Lime Brain Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (bucket Elevators And Conveyors)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead And Front-end, 10 Yds. & Over)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Locomotive Engineer	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Longitudinal Float	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Master Environmental Maintenance Technician	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mixer (portable - Concrete)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mixermobile	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mobile Crusher Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mucking Machine	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Multiple Dozer Units With	4W	9A	View
4/5/2021	about:blank	4/5/2021	about:blank	15/19	about:blank
Adams	Underground Sewer & Water	Compressor			
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Mechanic	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Welder	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Heavy Equipment Robotics Operator	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Helicopter Pilot	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Helper, Mechanic Or Welder, H.D	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoe Ram	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoist (2 Or More Drums Or Tower Hoist)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hoist, Single Drum	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hydraulic Platform Trailers (goldhofer, Shaurely And Similar)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Hydro-seeder, Mulcher, Nozzelman	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Lime Batch Tank Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Lime Brain Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (bucket Elevators And Conveyors)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Loaders (overhead And Front-end, 10 Yds. & Over)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Locomotive Engineer	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Longitudinal Float	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Master Environmental Maintenance Technician	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mixer (portable - Concrete)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mixermobile	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mobile Crusher Operator (recycle Train)	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Mucking Machine	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	Multiple Dozer Units With	4W	9A	View
4/5/2021	about:blank	4/5/2021	about:blank	15/19	about:blank
Adams	Underground Sewer & Water	Compressor			
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Mechanic	4W	9A	View
Adams	Power Equipment Operators- Underground Sewer & Water	H. d. Welder	4W	9A	

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Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Shovels (3 Yds. & Over)	\$49.66	7B	4W	9A	View	Adams	Power Line Clearance Tree Trimmers	Spray Person	\$52.24	5A	4A	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Shovels (under 3 Yds.)	\$49.39	7B	4W	9A	View	Adams	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$55.03	5A	4A	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$49.11	7B	4W	9A	View	Adams	Power Line Clearance Tree Trimmers	Tree Trimmer	\$49.21	5A	4A	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Soil Stabilizer (p & H Or Similar)	\$48.79	7B	4W	9A	View	Adams	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$37.47	5A	4A	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Spray Curing Machine (concrete)	\$48.18	7B	4W	9A	View	Adams	Refrigeration & Air Conditioning Mechanics	Journey Level	\$85.00	6Z	1Q	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Spreader Box (self-propelled)	\$48.18	7B	4W	9A	View	Adams	Residential Brick Mason	Journey Level	\$51.84	5A	1M	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Steam Cleaner	\$47.86	7B	4W	9A	View	Adams	Residential Carpenters	Journey Level	\$16.99		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Straddle Buggy (ross & Similar On Construction Job Only)	\$48.18	7B	4W	9A	View	Adams	Residential Cement Masons	Journey Level	\$25.84		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Surface Heater & Planer Machine	\$48.95	7B	4W	9A	View	Adams	Residential Drywall Applicators	Journey Level	\$20.81		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$48.18	7B	4W	9A	View	Adams	Residential Drywall Tapers	Journey Level	\$14.86		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Traverse Finish Machine	\$48.79	7B	4W	9A	View	Adams	Residential Electricians	Journey Level	\$21.03		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Trenching Machines (7 Ft. Depth & Over)	\$49.39	7B	4W	9A	View	Adams	Residential Glaziers	Journey Level	\$13.91		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Trenching Machines (under 7 Ft. Depth Capacity)	\$48.95	7B	4W	9A	View	Adams	Residential Insulation Applicators	Journey Level	\$14.86		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Tug Boat Operator	\$49.39	7B	4W	9A	View	Adams	Residential Laborers	Journey Level	\$17.04		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Tugger Operator	\$48.18	7B	4W	9A	View	Adams	Residential Marble Setters	Journey Level	\$51.84	5A	1M	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Turnhead (with Re-screening)	\$48.95	7B	4W	9A	View	Adams	Residential Painters	Journey Level	\$14.86		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Turnhead Operator	\$48.79	7B	4W	9A	View	Adams	Residential Plumbers & Pipefitters	Journey Level	\$32.13		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$49.66	7B	4W	9A	View	Adams	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$24.06		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Vactor Guzzler, Super Sucker	\$49.39	7B	4W	9A	View	Adams	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$58.36	5I	1B	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Vacuum Blasting Machine Operator	\$49.66	7B	4W	9A	View	Adams	Residential Soft Floor Layers	Journey Level	\$20.40		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Vacuum Drill (reverse Circulation Drill Under 8 Inch Bit)	\$48.95	7B	4W	9A	View	Adams	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$13.69		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Welding Machine	\$47.86	7B	4W	9A	View	Adams	Residential Stone Masons	Journey Level	\$51.84	5A	3J	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Whirleys & Hammerheads, All	\$49.66	7B	4W	9A	View	Adams	Residential Terrazzo Workers	Journey Level	\$13.69		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water	Journey Level In Charge	\$55.03	5A	4A		View	Adams	Residential Terrazzo/Tile Finishers	Journey Level	\$17.92		1	View
Adams	Underground Sewer & Water	Power Line Clearance Tree Trimmers							Adams	Residential Tile Setters	Journey Level	\$20.61		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Roofers	Journey Level	\$41.94	5I	1R	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Roofers	Using Irritable Bituminous Materials	\$43.94	5I	1R	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Sheet Metal Workers	Journey Level (Field or Shop)	\$58.36	6Z	1B	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Sign Makers & Installers (Electrical)	Journey Level	\$13.91		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Sign Makers & Installers (Non-Electrical)	Journey Level	\$13.91		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Soft Floor Layers	Journey Level	\$51.91	5A	3J	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Solar Controls For Windows	Journey Level	\$13.69		1	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Sprinkler Fitters (Fire Protection)	Journey Level	\$60.86	7J	1R	View
Adams	Underground Sewer & Water	Power Equipment Operators-Underground Sewer & Water							Adams	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.69		1	View
Adams	Underground Sewer & Water	Power Line Clearance Tree Trimmers							Adams	Stone Masons	Journey Level	\$51.84	5A	1M	View

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Adams	Street And Parking Lot Sweeper Workers	Journey Level	\$14.00	1	View
Adams	Surveyors	Chain Person	\$13.69	0	View
Adams	Surveyors	Instrument Person	\$13.69	0	View
Adams	Surveyors	Party Chief	\$15.05	0	View
Adams	Telecommunication Technicians	Journey Level	\$46.21	51	View
Adams	Telephone Line Construction - Outside	Cable Splicer	\$37.40	28	View
Adams	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$25.04	5A	View
Adams	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$31.22	5A	View
Adams	Telephone Line Construction - Outside	Telephone Lineperson	\$35.34	5A	View
Adams	Terrazzo Workers	Journey Level	\$43.81	1M	View
Adams	Tile Setters	Journey Level	\$43.81	5A	View
Adams	Tile, Marble & Terrazzo Finishers	Journey Level	\$35.93	1M	View
Adams	Traffic Control Strippers	Journey Level	\$49.13	7A	View
Adams	Truck Drivers	Asphalt Mix Over 20 Yards	\$49.75	5D	View
Adams	Truck Drivers	Asphalt Mix To 20 Yards	\$49.38	5D	View
Adams	Truck Drivers	Dump Truck	\$49.38	5D	View
Adams	Truck Drivers	Dump Truck & Trailer	\$49.75	5D	View
Adams	Truck Drivers	Other Trucks	\$49.27	5D	View
Adams	Truck Drivers - Ready Mix	Transit Mixers 20 yards and under	\$49.75	5D	View
Adams	Truck Drivers - Ready Mix	Transit Mixers over 20 yards	\$50.08	5D	View
Adams	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$13.69	1	View
Adams	Well Drillers & Irrigation Pump Installers	Oiler	\$13.69	1	View
Adams	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00	1	View

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