

**BID PROPOSAL, AMENDMENTS
AND
SPECIAL PROVISIONS**

*For
Construction of*

**Tonasket Avenue & Division
Street Rehabilitation Project**

*Transportation Improvement Board Funds
2-E-885(003)-1*

**City of Tonasket,
Washington**

May 2020

**CITY OF TONASKET
TONASKET AVENUE & DIVISION STREET
REHABILITATION PROJECT**

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CITY OF TONASKET
Tonasket Avenue & Division Street
Rehabilitation Project
2-E-885(003)-1
Transportation Improvement Board Funds

May 2020

The technical material and data contained in these Project Drawings and Specifications were prepared under the supervision and direction of the undersigned whose seal as a professional engineer licensed to practice as such in the State of Washington is affixed below.



EXPIRES 09/18/2021

Professional Engineer

Varela & Associates, Inc.
601 W. Mallon Avenue, Suite A
Spokane, WA 99201

CITY OF TONASKET, WASHINGTON

ADVERTISEMENT FOR BIDS TONASKET & DIVISION STREETS REHABILITATION PROJECT

Separate sealed bids will be received by the City of Tonasket, Washington, at City Hall located at 209 S. Whitcomb Ave., Tonasket, WA 98855 until 11:00 AM. on **Thursday May 28, 2020** and will then and there be opened and publicly read aloud at that time. Following COVID-19 guidelines, the public opening will be performed electronically. Participation instructions will be posted on the City's website one week prior to the bid opening.

The improvements for which bids will be received are generally described below:

This project will provide the full depth pulverization of approximately 1,400 lineal feet of existing roadways, regrading, and 2 inches of HMA surfacing, as well as the following:

- Replacement of approximately 400 LF of cement concrete traffic curb and gutter.

Plans and specifications may be viewed at the following locations:

1. www.tonasketcity.org/rfps
2. www.varela-engr.com
3. Various Plan Centers – call Varela & Associates or go to www.varela-engr.com for a list of plan holders.

Electronic documents at www.varela-engr.com and various plan centers are informational only.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in the amount equal to five percent (5%) of the amount of such bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the City of Tonasket.

Contract Documents must be purchased from Varela and Associates, Inc., located at 601 W. Mallon, Suite A, Spokane, Washington 99201, Issuing Agent, for \$30.00. For additional information regarding this project, contact Mark Johnson at Varela & Associates, Inc., by phone at (509) 328-6066, or email at mjohnson@varela-engr.com.

The project is being funded by the Transportation Improvement Board funds 2-E-885(003)-1.

The City of Tonasket is in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

The City of Tonasket is an equal opportunity employer and encourages women and minority-owned businesses to submit bids. The City of Tonasket has the right to reject any or all bids.

BID PROPOSAL

All Bid Proposals shall be made on the bid forms provided in the Contract Documents (pink perforated pages to be torn out and submitted as the proposal) to be accepted.

TO: City of Tonasket
209 S. Whitcomb Ave.
Tonasket, WA 98855

Bid From: _____

The undersigned hereby certifies that he/she has personally examined the location and construction details of work as outlined on the contract plans and specifications for the **Tonasket Avenue & Division Street Rehabilitation Project**, and has read thoroughly and understands the plans and specifications and contract governing the work embraced in this improvement, and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said plans, specifications and contract, at the following schedule of rates and prices:

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

BID PROPOSAL

BIDDER _____

NO.	DIV	ITEM	QNTY	UNIT	PRICE	EXTENDED
1	1-05	REDLINE DRAWINGS	1	LS		
2	1-07	SPCC PLAN	1	LS		
3	1-10	MOBILIZATION	1	LS		
4	1-10	TRAFFIC CONTROL	1	LS		
5	2-02	REMOVE CEMENT CONCRETE CURB AND GUTTER	400	LF		
6	2-03	ROADWAY EXCAVATION, INCL. HAUL	300	CY		
7	2-03	COMMON BORROW INC. HAUL	100	CY		
8	4-03	PULVERIZE EXISTING PAVEMENT	4,200	SY		
9	4-04	CRUSHED SURFACING TOP COURSE	30	TON		
10	5-04	SUBGRADE PREPARATION	4,200	SY		
11	5-04	HMA CL 1/2" PG 64-28	550	TON		
12	5-04	LONGITUDINAL JOINT SEALANT	3,000	LF		
13	7-05	ADJUST MANHOLE	5	EA		
14	7-12	ADJUST VALVE BOX	12	EA		
15	8-01	INLET PROTECTION	4	EA		
16	8-04	CEMENT CONC. TRAFFIC CURB & GUTTER	400	LF		
17	8-21	PERMANENT SIGNAGE	1	LS		
18	8-22	PAINTED STOP LINE	10	LF		

TOTAL _____

Bidder agrees and understands that:

IF Bid Schedule(s) does not include a separate line item for state sales tax applicable to this construction, all applicable taxes have been included in the bid items listed herein.

BIDDER is hereby advised that by signature of this proposal, he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A Bid Bond is an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as stipulated in the contract documents, is attached hereto.

BIDDER acknowledges receipt of the following ADDENDA:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

SUBMITTED BY:

Company Name

Address

Phone No.

WA Unified Business Identifier (UBI)

Contractor's License Number

Contractor's Federal ID Number

Signature

Date

Local Agency Proposal Bond

KNOW ALL MEN BY THESE PRESENTS, That we, _____
(Contractor name)

of _____ as principal,
(Contractor address)

and the _____
(surety name and address)

a corporation duly organized under the laws of the state of _____, and authorized to do business in the State of Washington, as surety, are held and firmly bound unto the City of Tonasket (Owner) in the full and penal sum of five (5) percent of the total amount of the bid proposal of said principal for the work hereinafter described, for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting his or its sealed proposal for the following highway construction, to wit:

TONASKET AVENUE & DIVISION STREET REHABILITATION PROJECT
CITY OF TONASKET, WASHINGTON

said bid and proposal, by reference thereto, being made a part hereof.

NOW, THEREFORE, If the said proposal bid by said principal be accepted, and the contract be awarded to said principal, and if said principal shall duly make and enter into and execute said contract and shall furnish bond as required by the Owner within a period of twenty (20) days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have caused these presents to be signed and sealed this _____ day of _____, _____.

(Principal)

(Surety)

(Attorney-in-fact)

BIDDER'S QUALIFICATION STATEMENT (Continued)

7. List major equipment to be used on this project and whether it is owner, rented or leased*

8. List all bonding companies and agents in past 10 years and time with each* (including contact persons and phone numbers)

9. List all banks in past 10 years and time with each* (including contact persons and phone numbers)

10. The Bidder shall provide a copy of latest financial statement if requested by the Owner.

Submitted by:

Company

Street or Box

Signature

City, State, Zip

Name and Title

*Attach additional pages if needed.

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

NON-COLLUSION DECLARATION

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

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

NOTICE TO ALL BIDDERS

To report 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.

Local Agency Proposal - Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below is attached hereto:

- Cash In the Amount of _____
- Cashier's Check _____ Dollars
- Certified Check (\$_____) Payable to the State Treasurer
- Proposal Bond In the Amount of 5% of the Bid

Receipt is hereby acknowledged of addendum(s) No.(s) _____, _____ & _____

Signature of Authorized Official(s)

Firm Name _____

Address _____

State of Washington Contractor's License No. _____

Federal ID No. _____

Note:

- (1) This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Owner will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Please refer to section 1-02.6 of the standard specifications, re: "Preparation of Proposal," or "Article 4" of the Instruction to Bidders for building construction jobs.



Proposal for Incorporating Recycled Materials into the Project

In compliance with a new law that went into effect January 1, 2016 (SHB1695), the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

Bidder: _____

Signature of Authorized Official: _____

Date: _____

CONTRACT

THIS AGREEMENT, made this _____ day of _____, **2020**, by and between the **City of Tonasket, WA**, herein called "OWNER", and _____, doing business as [an individual; a partnership; a corporation, hereinafter called "CONTRACTOR."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of **Tonasket Avenue & Division Street Rehabilitation Project**, hereinafter referred to as the "PROJECT".
2. The CONTRACTOR will furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence work on the PROJECT as required by the CONTRACT DOCUMENTS NOTICE TO PROCEED and will complete the PROJECT within the number of work days described in these CONTRACT DOCUMENTS.
4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$ _____^o as shown in the BID schedule.
5. Attorneys' Fees and Venue. In any action at law or in equity or in any arbitration to enforce any of the provisions or rights under this Agreement, the unsuccessful party in such litigation or arbitration, as determined by the court or arbitrator(s) in a final judgment or decree, shall pay the successful party or parties all costs, expenses and reasonable attorneys' fees incurred therein by such party or parties (including without limitation such costs, expenses and fees on any appeals), and if such successful party shall recover judgment in any such action or proceeding, such costs, expenses and attorneys' fees shall be included in, as part of, such judgment. Venue shall be **Okanogan** County, Washington.
6. Indemnification. CONTRACTOR shall indemnify, defend, and hold harmless Owner from and against any and all claims, demands, causes of action, suits, judgments, or liabilities (including attorneys' fees, costs, and expenses (including attorneys' fees in enforcing this indemnity)) for any matter, including death or injuries to persons or loss or damage to property, arising out of or in connection with CONTRACTOR'S performance during the term of this Agreement (unless caused by Owner's negligence or breach of this Agreement). This indemnification agreement to defend and hold harmless includes, without limitation, any liability for injury to the person or property of CONTRACTOR, its agents, officers, employees, invitees or licensees. CONTRACTOR specifically waives any immunity provided by Washington's Industrial Insurance Act, Title 51 RCW, to the extent such immunity would prevent Owner from seeking indemnity from CONTRACTOR on a

claim of CONTRACTOR'S employee. THIS WAIVER IS MUTUALLY NEGOTIATED BY AND BETWEEN THE OWNER AND THE CONTRACTOR.

- 7. This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors and assigns.
- 8. The term "CONTRACT DOCUMENTS" means the complete contract as specified in Section 1-04.2 of the Standard Specifications.

IN WITNESS WHEREOF, the parties have executed or caused to be executed by their duly authorized official, this Agreement in two (2) copies each of which shall be deemed an original of the date first herein written.

ATTEST:

City of Tonasket, WA

Owner

Signature

Signature

Name (Please Type)

Name

Title (Please Type)

Mayor

Title

SEAL

ATTEST:

Contractor

Signature

Signature

Name (Please Type)

Name (Please Type)

Title (Please Type)

Address (Please Type)

SEAL

Employer ID Number

Telephone No.

PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

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

(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, and unto all persons, firms, and corporations who or which may furnish labor, or who furnish materials to perform as described under the contract and to their successors and assigns in the total aggregate penal 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, dated the _____ day of _____, 2020, a copy of which is hereto attached and made a part hereof for the construction of: Tonasket Avenue & Division Street Rehabilitation Project.

NOW, THEREFORE, if the PRINCIPAL shall promptly make payment to all persons, firms, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extensions or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK and for all labor cost incurred in such WORK including that by a SUBCONTRACTOR, and to any mechanic or material man lienholder whether it acquires its lien by operation of State or Federal law; then this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED, that beneficiaries or claimants hereunder shall be limited to the SUBCONTRACTORS, and persons, firms, and corporations having a direct contact with the PRINCIPAL or its SUBCONTRACTORS.

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 SPECIFICATIONS accompanying the same shall in any way affect 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 this contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no suit or action shall be commenced hereunder by any claimant: (a) Unless claimant, other than one having a direct contract with the PRINCIPAL (or with the GOVERNMENT in the event the GOVERNMENT is performing the obligations of the OWNER), shall have given written notice to any two of the following: The PRINCIPAL, the OWNER, or the SURETY above named within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished or for whom the work or labor was done or performed. Such notice shall be served my mailing the same by registered mail or certified mail, postage repaid, in an envelope addressed to the PRINCIPAL, OWNER, or SURETY, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the aforesaid project is located, save that such service need not be made by a public officer; (b) After the expiration of one(1) year following the date of which PRINCIPAL ceased work on said CONTRACT, it being understood, however, that if any limitation embodied in the BOND is prohibited by any law controlling the construction hereof, such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.

PROVIDED, FURTHER, that it is expressly agreed that this BOND shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon amendment to the Contract not increasing the contract price more than 20 percent, so as to bind the PRINCIPAL and the SURETY to the full and faithful performance of the CONTRACT as so amended. The term "Amendment," wherever used in this BOND and whether referring to this BOND, the contract or the loan Documents shall include any alteration, addition, extension or modification of any character whatsoever.

PROVIDED, FURTHER, that no final settlement between the OWNER or GOVERNMENT and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in TWO (2) counterparts, each of which shall be deemed an original, this the _____ day of _____, 20_____.

ATTEST:

_____	_____
(Principal) Secretary	(Principal)
(SEAL)	By: _____
_____	_____
(Witness as to Principal)	(Address)
_____	_____
(Address)	(Surety)

ATTEST:

_____	By: _____
(Witness as to Surety)	(Attorney-in-Fact)
_____	_____
(Print Name)	(Print Name)
_____	_____
(Address)	(Address)

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is partnership, all partners 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. Power of Attorney must also be attached.

Bond No. _____

PERFORMANCE BOND

Know all men by these presents: That whereas the **City of Tonasket, WA** (“City”) has awarded to _____ (“Contractor”), hereinafter designated as the “Principal,” a contract for the construction of the project designated **Tonasket Avenue & Division Street Rehabilitation Project** (“Contract”) in the City of Tonasket, Washington all as hereto attached and made a part hereof and whereas, said Principal is required under the terms of said Contract to furnish a bond for the faithful performance of said Contract.

NOW, THEREFORE, we the principal and _____ (Surety) a corporation, organized and existing under and by virtue of the laws of the State of Washington, duly authorized to do business in the State of Washington, as surety, are held and firmly bound unto City in the sum of: _____ Dollars (_____)

Total Amount of Contract Sum) 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 those presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bonded Principal, his/her or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the said Contract, and shall faithfully perform all the provisions of such contract and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said Contract that may hereafter be made, at the time and in the manner therein specified and shall pay all laborers, mechanics, subcontractors, and material men, and all persons who shall supply such person or persons, or subcontractors, with provisions and supplies for the carrying on of such work, on his/her or their part, and shall indemnify and save harmless City, its officers and agents from any claim for such payment. This bond shall remain in effect during the one-year guarantee period specified in the project Construction Specifications.

And the said Surety, for value received, hereby further 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 specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any change, extension of time, alterations or additions to the terms of the Contract, the work or to the specifications.

The Surety hereby agrees that modifications and changes may be made in the terms and provisions of the aforesaid Contract without notice to Surety, and any such modifications or changes increasing the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this Performance Bond in a like amount, such increase, however,

not to exceed twenty-five percent (25%) of the original amount of this bond without the consent of the Surety.

In the event any legal action must be taken to enforce the provisions of this Performance Bond or to collect said Performance Bond, the prevailing party shall be entitled to collect its costs and reasonable attorney fees as a part of the reasonable costs of securing the obligation hereunder. In the event of settlement or resolution of these issues prior to the filing of any suit, the actual costs incurred by City, including reasonable attorney fees, shall be considered a part of the obligation hereunder secured. Said costs and reasonable legal fees shall be recoverable by the prevailing party, not only from the proceeds of this Performance Bond, but also over and above said Performance Bond as a part of any recovery (including recovery on the Performance Bond) in any judicial proceeding. The Surety hereby agrees that this Agreement shall be governed by the laws of the State of Washington. Venue of any litigation arising out of this Agreement shall be in Okanogan County Superior Court.

IN WITNESS WHEREOF, the said Principal and the said Surety have caused this Performance Bond and two (2) counterparts thereof to be signed and sealed by their duly authorized officers this _____ day of _____, 2020.

Surety Company

(Corporate Seal)

Contractor as Principal

(Corporate Seal)

Signature: _____

Signature: _____

Name: _____
(Please Print)

Name: _____
(Please Print)

Title: _____

Title: _____

STATE OF)
) ss.
COUNTY OF)

On this day personally appeared before me _____, to me known to be the individual described in and who executed the within and foregoing instrument and acknowledged to me that he/she signed the same as his/her free and voluntary act for the uses and purposes mentioned in the instrument.

GIVEN UNDER MY HAND AND OFFICIAL SEAL this _____ day of _____, 2020.

(Signature)

(Seal or stamp)

(Name legibly printed or stamped)
Notary Public in and for the State of _____,
residing at _____
My appointment expires _____

STATE OF)
) ss.
COUNTY OF)

On this day personally appeared before me _____, to me known to be the individual described in and who executed the within and foregoing instrument and acknowledged to me that he/she signed the same as his/her free and voluntary act for the uses and purposes mentioned in the instrument.

GIVEN UNDER MY HAND AND OFFICIAL SEAL this _____ day of _____, 2020.

(Signature)

(Seal or stamp)

(Name legibly printed or stamped)
Notary Public in and for the State of _____,
residing at _____
My appointment expires _____

Note: If attorney-in-fact signs for Surety, a certified copy of the Power of Attorney must be attached.

1 **INTRODUCTION TO THE SPECIAL PROVISIONS**

2
3 *(August 14, 2013 APWA GSP)*
4

5 The work on this project shall be accomplished in accordance with the *Standard Specifications*
6 *for Road, Bridge and Municipal Construction*, 2020 edition, as issued by the Washington State
7 Department of Transportation (WSDOT) and the American Public Works Association (APWA),
8 Washington State Chapter (hereafter “Standard Specifications”). The Standard
9 Specifications, as modified or supplemented by the Amendments to the Standard
10 Specifications and these Special Provisions, all of which are made a part of the Contract
11 Documents, shall govern all of the Work.
12

13 These Special Provisions are made up of both General Special Provisions (GSPs) from
14 various sources, which may have project-specific fill-ins; and project-specific Special
15 Provisions. Each Provision either supplements, modifies, or replaces the comparable
16 Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition
17 to any subsection or portion of the Standard Specifications is meant to pertain only to that
18 particular portion of the section, and in no way should it be interpreted that the balance of the
19 section does not apply.
20

21 The project-specific Special Provisions are not labeled as such. The GSPs are labeled under
22 the headers of each GSP, with the effective date of the GSP and its source. For example:
23

- 24 *(March 8, 2013 APWA GSP)*
- 25 *(April 1, 2013 WSDOT GSP)*
- 26 *(May 1, 2013 VA GSP)*
27

28 Also incorporated into the Contract Documents by reference are:

- 29 • *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted
30 edition, with Washington State modifications, if any
- 31 • *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current
32 edition
- 33 • *Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way*,
34 *July 26, 2011 edition*
35

36 Contractor shall obtain copies of these publications, at Contractor’s own expense.
37
38

1 **Division 1 General Requirements**

2 **Description of Work**

3 *(March 13, 1995 WSDOT GSP)*

4

5 This Contract provides for the full depth pulverization of approximately 1,400 lineal feet of
6 existing roadways, regrading, and 2 inches of HMA surfacing, plus replacement of
7 approximately 400 lineal feet of curb, and other work, all in accordance with the attached
8 Contract Plans, these Contract Provisions, and the Standard Specifications.

9

10 **1-01 Definitions and Terms**

11

12 **1-01.3 Definitions**

13 *(January 4, 2016 APWA GSP)*

14

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

17

18 **Dates**

19

20 ***Bid Opening Date***

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

22

23 ***Award Date***

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

26

27 ***Contract Execution Date***

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

29

30 ***Notice to Proceed Date***

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

32

33 ***Substantial Completion Date***

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

39

40 ***Physical Completion Date***

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

44

45 ***Completion Date***

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

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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.

Additive

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

Alternate

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

Business Day

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

Contract Bond

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

Contract Documents

See definition for “Contract”.

Contract Time

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

Notice of Award

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

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Notice to Proceed

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

Traffic

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

1-02 Bid Procedures and Conditions

1.02.2 Plans and Specifications

(April 1, 2014 VA GSP)

Delete this section in its entirety 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
Contract Plans (11" x 17")	4	Furnished automatically upon award.
Contract Plans (22" x 34")	1	Furnished automatically upon award (for Redline Drawings).
Contract Provisions	4	Furnished automatically upon award.

24
25
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27

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

(November 13, 2018 VA GSP)

30
31
32

Delete the first sentence of the seventh paragraph and replace with the following:

33
34
35
36

All questions about the meaning or intent of the Bid Documents shall be submitted to the Engineer in writing no later than 5 days prior to the bid opening date to allow for questions to be answered in the form of an Addenda.

1 **1-02.5 Proposal Forms**

2 *(July 31, 2017 APWA GSP)*

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

5
6 The Proposal Form will identify the project and its location and describe the work. It will also
7 list estimated quantities, units of measurement, the items of work, and the materials to be
8 furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that
9 call for, but are not limited to, unit prices; extensions; summations; the total bid amount;
10 signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda;
11 the bidder's name, address, telephone number, and signature; the bidder's
12 UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's
13 Registration Number; and a Business License Number, if applicable. Bids shall be completed
14 by typing or shall be printed in ink by hand, preferably in black ink. The required certifications
15 are included as part of the Proposal Form.

16
17 The Contracting Agency reserves the right to arrange the proposal forms with alternates and
18 additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all
19 alternates and additives set forth in the Proposal Form unless otherwise specified.
20

21 **1-02.6 Preparation of Proposal**

22 *(July 11, 2018 APWA GSP)*

23
24 *Supplement the second paragraph with the following:*

- 25 4. If a minimum bid amount has been established for any item, the unit or lump sum
26 price must equal or exceed the minimum amount stated.
- 27 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be
28 initialed by the signer of the bid.
29

30 *(December 17, 2019 VA revised APWA GSP)*

31
32 *Delete the last paragraph, and replace with the following:*

33
34 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

35
36 A bid by a corporation shall be executed in the corporate name, by the president or a vice
37 president (or other corporate officer accompanied by evidence of authority to sign).

38
39 A bid by a partnership shall be executed in the partnership name and signed by a partner. A
40 copy of the partnership agreement shall be submitted with the Bid Form if any UDBE
41 requirements are to be satisfied through such an agreement.
42

43 A bid by a joint venture shall be executed in the joint venture name and signed by a member
44 of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form
45 if any UDBE requirements are to be satisfied through such an agreement.
46

1 **1-02.7 Bid Deposit**

2 *(March 8, 2013 APWA GSP)*

3
4 *Supplement this section with the following:*

5
6 Bid bonds shall contain the following:

- 7
8 1. Contracting Agency-assigned number for the project;
9 2. Name of the project;
10 3. The Contracting Agency named as obligee;
11 4. The amount of the bid bond stated either as a dollar figure or as a percentage which
12 represents five percent of the maximum bid amount that could be awarded;
13 5. Signature of the bidder's officer empowered to sign official statements. The signature
14 of the person authorized to submit the bid should agree with the signature on the
15 bond, and the title of the person must accompany the said signature;
16 6. The signature of the surety's officer empowered to sign the bond and the power of
17 attorney.

18
19 If so stated in the Contract Provisions, bidder must use the bond form included in the Contract
20 Provisions.

21
22 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

23
24 **1-02.9 Delivery of Proposal**

25 *(December 19, 2019 APWA GSP, Option A)*

26
27 *Delete this section and replace it with the following:*

28
29 Each Proposal shall be submitted in a sealed envelope, with the Project Name and
30 Project Number as stated in the Call for Bids clearly marked on the outside of the
31 envelope, or as otherwise required in the Bid Documents, to ensure proper handling and
32 delivery.

33
34 To be considered responsive on a FHWA-funded project, the Bidder may be required to
35 submit the following items, as required by Section 1-02.6:

- 36
37 • UDBE Written Confirmation Document from each UDBE firm listed on the
38 Bidder's completed UDBE Utilization Certification (WSDOT 272-056U)
39 • Good Faith Effort (GFE) Documentation
40 • UDBE Bid Item Breakdown (WSDOT 272-054)
41 • UDBE Trucking Credit Form (WSDOT 272-058)

42
43 These documents, if applicable, shall be received either with the Bid Proposal or as a
44 supplement to the Bid. These documents shall be received **no later than 48 hours** (not
45 including Saturdays, Sundays and Holidays) after the time for delivery of the Bid
46 Proposal.

47
48 If submitted after the Bid Proposal is due, the document(s) must be submitted in a sealed
49 envelope labeled the same as for the Proposal, with "Supplemental Information" added.
50 All other information required to be submitted with the Bid Proposal must be submitted
51 with the Bid Proposal itself, at the time stated in the Call for Bids.

1
2 Proposals that are received as required will be publicly opened and read as specified in
3 Section 1-02.12. The Contracting Agency will not open or consider any Bid Proposal that
4 is received after the time specified in the Call for Bids for receipt of Bid Proposals, or
5 received in a location other than that specified in the Call for Bids. The Contracting
6 Agency will not open or consider any "Supplemental Information" (UDBE confirmations,
7 or GFE documentation) that is received after the time specified above, or received in a
8 location other than that specified in the Call for Bids.

9
10 If an emergency or unanticipated event interrupts normal work processes of the
11 Contracting Agency so that Proposals cannot be received at the office designated for
12 receipt of bids as specified in Section 1-02.12 the time specified for receipt of the
13 Proposal will be deemed to be extended to the same time of day specified in the
14 solicitation on the first work day on which the normal work processes of the Contracting
15 Agency resume.
16

17 **1-02.10 **Withdrawing, Revising, or Supplementing Proposal****

18 *(July 23, 2015 APWA GSP)*

19
20 *Delete this section, and replace it with the following:*

21
22 After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw,
23 revise, or supplement it if:

- 24
- 25 1. The Bidder submits a written request signed by an authorized person and
- 26 physically delivers it to the place designated for receipt of Bid Proposals, and
- 27 2. The Contracting Agency receives the request before the time set for receipt of
- 28 Bid Proposals, and
- 29 3. The revised or supplemented Bid Proposal (if any) is received by the Contracting
- 30 Agency before the time set for receipt of Bid Proposals.
- 31

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

37
38 Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded
39 by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to
40 withdraw, revise, or supplement a Bid Proposal are not acceptable.
41

42 **1-02.12 **Public Opening of Proposals****

43 *(April 1, 2014 VA GSP)*

44
45 *Supplement this section with the following:*

46
47 ***Date of Opening Bids***

48 Sealed bids are to be received at the following location prior to the time Specified:

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Tonasket City Hall
209 S Whitcomb Ave
Tonasket, WA 98855

Sealed bids will be received until **11:00 AM on May 28, 2020** and will then and there be opened and publicly read aloud. If received after this time, the bid will not be considered. Each bid must be submitted in a sealed envelope, marked **“Tonasket Avenue & Division Street Rehabilitation Project”**. No faxes or emails will be accepted. All Bids properly received will be publicly opened and read after **11:00 AM.**

1-02.15 Pre-Award Information

(August 14, 2013 APWA GSP)

Revise this section to read:

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

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

1-03.1 Consideration of Bids

(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

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

1 **1-03.4 Contract Bond**

2 *(July 23, 2015 APWA GSP)*

3
4 *Delete the first paragraph and replace it with the following:*

5
6 The successful bidder shall provide executed payment and performance bond(s) for the full
7 contract amount. The bond may be a combined payment and performance bond; or be
8 separate payment and performance bonds. In the case of separate payment and performance
9 bonds, each shall be for the full contract amount. The bond(s) shall:

10

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

36

37 **1-03.7 Judicial Review**

38 *(November 30, 2018 APWA GSP)*

39

40 Revise this section to read:

41

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

47

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

3 *(March 13, 2012 APWA GSP)*

4
5 *Revise the second paragraph to read:*

6
7 Any inconsistency in the parts of the contract shall be resolved by following this order of
8 precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

- 9
10 1. Addenda,
11 2. Proposal Form,
12 3. Special Provisions,
13 4. Contract Plans,
14 5. Amendments to the Standard Specifications,
15 6. Standard Specifications,
16 7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.
17

18 **1-04.6 Variation in Estimated Quantities**

19 *(July 23, 2015 APWA GSP, Option A)*

20
21 *Revise the first paragraph to read:*

22
23 Payment to the Contractor will be made only for the actual quantities of Work performed and
24 accepted in conformance with the Contract. When the accepted quantity of Work performed
25 under a unit item varies from the original Proposal quantity, payment will be at the unit Contract
26 price for all Work unless the total accepted quantity of any Contract item, adjusted to exclude
27 added or deleted amounts included in change orders accepted by both parties, increases or
28 decreases by more than 25 percent from the original Proposal quantity, and if the total
29 extended bid price for that item at time of award is equal to or greater than 10 percent of the
30 total contract price at time of award. In that case, payment for contract work may be adjusted
31 as described herein:
32

33 **1-05 CONTROL OF WORK**

34 **1-05.4 Conformity with and Deviations from Plans and Stakes**

35 *(June 1, 2016 VA GSP)*

36
37 *Supplement this section with the following:*

38
39 ***Contractor Staking & Layout***

40 Copies of the Contracting Agency provided primary survey control data are available for the
41 bidder's inspection at the office of the Project Engineer.

42
43 The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes,
44 slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing,
45 paving, channelization and pavement marking, illumination and signals, guardrails and
46 barriers, and signing. Except for the survey control data to be furnished by the Contracting
47 Agency, calculations, surveying, and measuring required for setting and maintaining the
48 necessary lines and grades shall be the Contractor's responsibility.
49

- 1 The Contractor shall inform the Engineer when monuments are discovered that were not
2 identified in the Plans and construction activity may disturb or damage the monuments. All
3 monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length
4 of the project or be replaced at the Contractors expense.
5
- 6 Detailed survey records shall be maintained, including a description of the work performed on
7 each shift, the methods utilized, and the control points used. The record shall be adequate to
8 allow the survey to be reproduced. A copy of each day's record shall be provided to the
9 Engineer within three working days after the end of the shift.
10
- 11 The meaning of words and terms used in this provision shall be as listed in "Definitions of
12 Surveying and Associated Terms" current edition, published by the American Congress on
13 Surveying and Mapping and the American Society of Civil Engineers.
14
- 15 The survey work shall include but not be limited to the following:
16
- 17 1. Verify the primary horizontal and vertical control furnished by the Contracting
18 Agency and expand into secondary control by adding stakes and hubs as well
19 as additional survey control needed for the project. Provide descriptions of
20 secondary control to the Contracting Agency. The description shall include
21 coordinates and elevations of all secondary control points.
22
 - 23 2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on
24 centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and
25 at points on the alignments spaced no further than 50 feet.
26
 - 27 3. Establish clearing limits, placing stakes at all angle points and at intermediate
28 points not more than 50 feet apart. The clearing and grubbing limits shall be 5
29 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise
30 shown in the Plans.
31
 - 32 4. Establish grading limits, placing slope stakes at centerline increments not more
33 than 50 feet apart. Establish offset reference to all slope stakes.
34
 - 35 5. Establish the horizontal and vertical location of all drainage features, placing
36 offset stakes to all drainage structures and to pipes at a horizontal interval not
37 greater than 25 feet.
38
 - 39 6. Establish roadbed and surfacing elevations by placing stakes at the top of
40 subgrade and at the top of each course of surfacing. Subgrade and surfacing
41 stakes shall be set at horizontal intervals not greater than 50 feet in tangent
42 sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-
43 foot intervals in intersection radii with a radius less than 10 foot. Transversely,
44 stakes shall be placed at all locations where the roadway slope changes and at
45 additional points such that the transverse spacing of stakes is not more than 12
46 feet.
47
 - 48 7. Establish intermediate elevation benchmarks as needed to check work
49 throughout the project.
50

- 1 8. Provide references for paving pins at 25-foot intervals or provide simultaneous
2 surveying to establish location and elevation of paving pins as they are being
3 placed.
4
5 9. For all other types of construction included in this provision, (including but not
6 limited to channelization and pavement marking, illumination and signals,
7 guardrails and barriers, and signing) provide staking and layout as necessary to
8 adequately locate, construct, and check the specific construction activity.
9
10 10. Contractor shall determine if changes are needed to the profiles or roadway
11 sections shown in the Contract Plans in order to achieve proper smoothness
12 and drainage where matching into existing features, such as a smooth transition
13 from new pavement to existing pavement. The Contractor shall submit these
14 changes to the Project Engineer for review and approval 10 days prior to the
15 beginning of work.
16

17 The Contractor shall provide the Contracting Agency copies of any calculations and staking
18 data when requested by the Engineer.
19

20 To facilitate the establishment of these lines and elevations, the Contracting Agency will
21 provide the Contractor with primary survey control information consisting of descriptions of two
22 primary control points used for the horizontal and vertical control, and descriptions of two
23 additional primary control points for every additional three miles of project length. Primary
24 control points will be described by reference to the project alignment and the coordinate
25 system and elevation datum utilized by the project. In addition, the Contracting Agency will
26 supply horizontal coordinates for the beginning and ending points and for each Point of
27 Intersection (PI) on each alignment included in the project.
28

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

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

1 The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will
2 not change the requirements for normal checking by the Contractor.
3
4 When staking roadway alignment and stationing, the Contractor shall perform independent
5 checks from different secondary control to ensure that the points staked are within the
6 specified survey accuracy tolerances.
7
8 The Contractor shall calculate coordinates for the alignment. The Contracting Agency will
9 verify these coordinates prior to issuing approval to the Contractor for commencing with the
10 work. The Contracting Agency will require up to seven calendar days from the date the data
11 is received.
12
13 Contract work to be performed using contractor-provided stakes shall not begin until the stakes
14 are approved by the Contracting Agency. Such approval shall not relieve the Contractor of
15 responsibility for the accuracy of the stakes.
16
17 Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed
18 that are not described in the Plans, then those stakes shall be marked, at no additional cost
19 to the Contracting Agency as ordered by the Engineer.
20
21 ***Electronic Data***
22 Electronic data is available for the Contractor's convenience upon request, this data is
23 informational only, and is not considered a part of the Contract, or these provisions. No
24 guarantee is made by the Contracting Agency that the electronic data if provided to the
25 Contractor is:
26
27 1. Compatible with any systems utilized by the Contractor;
28 2. Complete;
29 3. Representative of actual conditions at the project site;
30 4. Accurately reflects the quantities and character of the actual Work required.
31
32 Furnished electronic design data or documentation shall not relieve the Contractor from any
33 risks or of any duty to make examinations and investigations as required by Section 1-02.4 or
34 any other responsibility under the Contract or as required by law. No corrections, additions,
35 or updates of any kind will be made to the electronic data that is available to the Contractor.
36
37 The Engineer may perform spot checks of the Contractor's use of the electronic data for
38 machine control grading results, calculations, records, field procedures, and quality control
39 measures. If the Engineer determines that the Work being performed is not achieving results
40 that will meet the Contract requirements, the Contractor shall make corrections to the Work at
41 no additional cost to the Contracting Agency.
42
43 Electronic data produced by the Contracting Agency has not been created for use with GPS
44 equipment. The electronic data has been created to provide the information shown on the
45 Plans. The Contractor is responsible to construct the project in accordance with the
46 information shown on the Plans or as staked in the field by the Engineer.
47
48 ***Contracting Agency Responsibilities***
49 After execution of the Contract, the Project Engineer will make available upon written request
50 the following electronic data used to design the project:
51
52 Geometric line work; alignments; profiles; sections, surfaces in AutoCAD, latest format.

1
2 Data may be obtained by furnishing a written request to the Contracting Agency.
3

4 **Contractor's Responsibilities**
5

- 6 1. The Contractor shall provide any information or data that is requested by the
7 Contracting Agency for the purpose of performing the verification of quantities, and
8 quality.
9
- 10 2. The Contractor shall be responsible for any edits or conversions of the Contracting
11 Agencies electronic data whether done by the Contractor or a vendor that is hired by
12 the Contractor to perform such edits or conversions.
13
- 14 3. The Contractor shall be responsible for the accuracy and usability of any data or
15 model that is developed from the Contracting Agencies data.
16
- 17 4. The Contractor shall be responsible for establishing any additional control points
18 needed to achieve results that meet the requirements of the Contract.
19
- 20 5. One week prior to the start of grading operations the Contractor shall meet with the
21 Engineer's staff to review the grading plans, quality processes, and tolerance
22 requirements.
23

24 **ADA Feature Staking Requirements**

25 The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes,
26 and grades necessary for the construction of the ADA features. Calculations, surveying, and
27 measuring required for setting and maintaining the necessary lines and grades shall be the
28 Contractor's responsibility. The Contractor shall build the ADA features within the
29 Specifications in the contract documents.
30

31 **Payment**

32 Payment will be made for the following bid item when included in the proposal:
33

34 "Contractor Staking & Layout", lump sum
35

36 The lump sum contract price for "Contractor Staking & Layout", shall be full pay for all labor,
37 equipment, materials, and supervision utilized to perform the Work specified, including any
38 resurveying, checking, correction of errors, replacement of missing or damaged stakes, and
39 coordination efforts.
40

41 **1-05.7 Removal of Defective and Unauthorized Work**

42 *(October 1, 2005 APWA GSP)*
43

44 *Supplement this section with the following:*
45

46 If the Contractor fails to remedy defective or unauthorized work within the time specified in a
47 written notice from the Engineer or fails to perform any part of the work required by the
48 Contract Documents, the Engineer may correct and remedy such work as may be identified in
49 the written notice, with Contracting Agency forces or by such other means as the Contracting
50 Agency may deem necessary.
51

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

7
8 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and
9 remedying defective or unauthorized work, or work the Contractor failed or refused to perform,
10 shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due,
11 or to become due, the Contractor. Such direct and indirect costs shall include in particular, but
12 without limitation, compensation for additional professional services required, and costs for
13 repair and replacement of work of others destroyed or damaged by correction, removal, or
14 replacement of the Contractor's unauthorized work.

15
16 No adjustment in contract time or compensation will be allowed because of the delay in the
17 performance of the work attributable to the exercise of the Contracting Agency's rights
18 provided by this Section.

19
20 The rights exercised under the provisions of this section shall not diminish the Contracting
21 Agency's right to pursue any other avenue for additional remedy or damages with respect to
22 the Contractor's failure to perform the work as required.

23 24 **1-05.10 Guarantees**

25 *(April 1, 2014 VA GSP)*

26
27 *Section 1-05.10 is supplemented with the following:*

28
29 The Contractor shall guarantee all materials and equipment furnished and work performed for
30 the period of one (1) year from the date of substantial completion. The contractor warrants
31 and guarantees for the period of one (1) year from the date of substantial completion of the
32 system that the completed system is free from all defects due to faulty materials or
33 workmanship and the Contractor shall promptly make such corrections as may be necessary
34 by reasons of such defects, including any repairs of any damage to other parts of the system
35 resulting from such defects. The Contracting Agency will give notice of observed defects with
36 reasonable promptness. In the event that the Contractor should fail to make such repairs,
37 adjustments, or other work that may be necessary by such defects, the Contracting Agency
38 may do so and charge the Contractor the cost thereby incurred. The contract bond shall remain
39 in full force and effect through the guarantee period.

40 41 **Payment**

42 All costs associated with this 1-year Guarantee on the specific work described above shall be
43 considered incidental to the other work.

44

1 **1-05.11 Final Inspection**

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

4 **1-05.11 Final Inspections and Operational Testing**

5 *(October 1, 2005 APWA GSP)*

7 **1-05.11(1) Substantial Completion Date**

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

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

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

26
27 The above process shall be repeated until the Engineer establishes the Substantial
28 Completion Date and the Contractor considers the work physically complete and ready for
29 final inspection.

31 **1-05.11(2) Final Inspection and Physical Completion Date**

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

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

46
47 The Contractor will not be allowed an extension of contract time because of a delay in the
48 performance of the work attributable to the exercise of the Engineer's right hereunder.

49

1 Upon correction of all deficiencies, the Engineer will notify the Contractor and the
2 Contracting Agency, in writing, of the date upon which the work was considered physically
3 complete. That date shall constitute the Physical Completion Date of the contract but shall
4 not imply acceptance of the work or that all the obligations of the Contractor under the
5 contract have been fulfilled.
6

7 **1-05.11(3) Operational Testing**

8 It is the intent of the Contracting Agency to have at the Physical Completion Date a complete
9 and operable system. Therefore, when the work involves the installation of machinery or
10 other mechanical equipment; street lighting, electrical distribution or signal systems;
11 irrigation systems; buildings; or other similar work it may be desirable for the Engineer to
12 have the Contractor operate and test the work for a period of time after final inspection but
13 prior to the physical completion date. Whenever items of work are listed in the Contract
14 Provisions for operational testing they shall be fully tested under operating conditions for the
15 time period specified to ensure their acceptability prior to the Physical Completion Date.
16 During and following the test period, the Contractor shall correct any items of workmanship,
17 materials, or equipment which prove faulty, or that are not in first class operating condition.
18 Equipment, electrical controls, meters, or other devices and equipment to be tested during
19 this period shall be tested under the observation of the Engineer, so that the Engineer may
20 determine their suitability for the purpose for which they were installed. The Physical
21 Completion Date cannot be established until testing and corrections have been completed
22 to the satisfaction of the Engineer.
23

24 The costs for power, gas, labor, material, supplies, and everything else needed to
25 successfully complete operational testing, shall be included in the unit contract prices related
26 to the system being tested, unless specifically set forth otherwise in the proposal.
27

28 Operational and test periods, when required by the Engineer, shall not affect a
29 manufacturer's guaranties or warranties furnished under the terms of the contract.
30

31 **1-05.13 Superintendents, Labor and Equipment of Contractor**

32 *(August 14, 2013 APWA GSP)*
33

34 Delete the sixth and seventh paragraphs of this section.
35

36 *(November 13, 2018 VA GSP)*
37

38 *Supplement the second paragraph with the following:*
39

40 The Contractor shall not replace the named Superintendent without written consent from the
41 Engineer. The Contractor shall submit any such request to the Engineer in writing a minimum
42 of 48 hours in advance. The written Superintendent change request shall name the proposed
43 replacement and provide qualifications demonstrating supervision of relevant project
44 experience for review and approval by the Engineer.
45

46 **1-05.15 Method of Serving Notices**

47 *(March 25, 2009 APWA GSP)*
48

1 *Revise the second paragraph to read:*

2

3 All correspondence from the Contractor shall be directed to the Project Engineer. All
4 correspondence from the Contractor constituting any notification, notice of protest, notice of
5 dispute, or other correspondence constituting notification required to be furnished under the
6 Contract, must be in paper format, hand delivered or sent via mail delivery service to the
7 Project Engineer's office. Electronic copies such as e-mails or electronically delivered copies
8 of correspondence will not constitute such notice and will not comply with the requirements of
9 the Contract.

10

11 *Add the following new section including title:*

12

13 **1-05.16 Water and Power**

14 *(April 1, 2014 VA GSP)*

15

16 The Contractor shall make necessary arrangements and shall bear the costs for power
17 necessary for the performance of the work, unless the contract includes power as a pay item.
18 The Contracting Agency will provide construction water at a fire hydrant designated by the
19 Contracting Agency at the pre-construction conference. The Contractor shall follow all
20 Contracting Agency requirements including providing backflow prevention and metering.

21

22 *Add the following new section including title:*

23

24 **1-05.18 Redline Drawings**

25 *(March 30, 2017 VA GSP)*

26

27 The Contractor will be furnished with (1) set of drawings designated as "Redline Drawings".
28 During the progress of the work the Contractor shall maintain an accurate record of all changes
29 to the "REDLINE DRAWINGS". Such changes shall be entered on the drawings with "red" ink
30 only.

31

32 The completed Redline Drawings shall, at a minimum contain the following:

33

34 1. All changes made during construction.

35

36 2. Significant detail not shown on the original Contract Documents.

37

38 3. Locations of underground utilities and appurtenances as actually installed or
39 encountered, referenced by station and offset. Show and locate changes in
40 direction by dimension and elevation as utilities are actually installed.

41

42 4. Additional requirements for the Record Drawings may be included in individual
43 specification sections.

44

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

50

1 **Payment**

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

3

4 “Redline Drawings”, lump sum

5

6 The lump sum contract price for “Contractor Staking & Layout”, shall be full pay for all labor,
7 equipment, materials, and supervision utilized to perform the Work specified, including any
8 surveying, checking, and coordination efforts.

9

10 **1-06 Control of Material**

11

12 **1-06.6 Recycled Materials**

13 *(January 4, 2016 APWA GSP)*

14

15 *Delete this section, including its subsections, and replace it with the following:*

16

17 The Contractor shall make their best effort to utilize recycled materials in the construction of
18 the project. Approval of such material use shall be as detailed elsewhere in the Standard
19 Specifications.

20

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

27

28 **1-07 Legal Relations and Responsibilities to the Public**

29

30 **1-07.1 Laws to be Observed**

31 *(October 1, 2005 APWA GSP)*

32

33 *Supplement this section with the following:*

34

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

37

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

41

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

49

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

10

11 **1-07.2 State Taxes**

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

13

14 **1-07.2 State Sales Tax**

15 *(June 27, 2011 APWA GSP)*

16

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

22

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

26

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

34

35 **1-07.2(1) State Sales Tax — Rule 171**

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

45

46 **1-07.2(2) State Sales Tax — Rule 170**

47 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or
48 existing buildings, or other structures, upon real property. This includes, but is not limited to,

1 the construction of streets, roads, highways, etc., owned by the state of Washington; water
2 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such
3 sewers and disposal systems are within, and a part of, a street or road drainage system;
4 telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above
5 streets or roads, unless such power lines become a part of a street or road lighting system;
6 and installing or attaching of any article of tangible personal property in or to real property,
7 whether or not such personal property becomes a part of the realty by virtue of installation.

8
9 For work performed in such cases, the Contractor shall collect from the Contracting Agency,
10 retail sales tax on the full contract price. The Contracting Agency will automatically add this
11 sales tax to each payment to the Contractor. For this reason, the Contractor shall not include
12 the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule
13 170, with the following exception.

14
15 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or
16 a subcontractor makes on the purchase or rental of tools, machinery, equipment, or
17 consumable supplies not integrated into the project. Such sales taxes shall be included in
18 the unit bid item prices or in any other contract amount.

19
20 **1-07.2(3) Services**

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

24
25 **1-07.9(5) Required Documents**

26 *(June 1, 2017 VA GSP)*

27
28 Delete the third paragraph of this section in its entirety and replace with the following:

29
30 Certified payrolls are required to be submitted by the Contractor to the Engineer, for the
31 Contractor and all subcontractors or lower tier subcontractors, for all work conducted under
32 this Contract. If these payrolls are not supplied to the Engineer within 10 calendar days of the
33 end of the preceding weekly payroll period any or all payments may be withheld until
34 compliance is achieved. Also, failure to provide these payrolls could result in other sanctions
35 as provided by State laws (RCW 39.12.050) and/or Federal regulations (29 CFR 5.12). All
36 certified payrolls shall be complete and explicit. Employee labor descriptions used on certified
37 payrolls shall coincide exactly with the labor descriptions listed on the minimum wage schedule
38 in the Contract unless the Engineer approves an alternate method to identify the labor used
39 by the Contractor to compare with the labor listed in the Contract Provisions. When an
40 apprentice is shown on the certified payroll at a rate less than the minimum prevailing journey
41 wage rate, the apprenticeship registration number for that employee from the State
42 Apprenticeship and Training Council shall be shown along with the correct employee
43 classification code.

44
45 **1-07.16 Protection and Restoration of Property**

46
47 **1-07.16(1) Private/Public Property**

48 *(June 6, 2016 VA GSP)*

49

1 Supplement this section with the following:

2

3 **1-07.16(1)A Existing Property Corners**

4 The Contractor shall be responsible for the replacement of all property corners disturbed or
5 removed due to the Contractor's operations at no cost to the Contracting Agency.
6 Replacement of property corners shall be done only by a Washington State Licensed Land
7 Surveyor.

8

9 **1-07.16(1)B Work Area Limits**

10 Easements (if any) and rights-of-way limits are shown on the Plans. All Contractor operations
11 shall be confined within these limits unless the Contractor obtains written approval from the
12 adjacent property owner(s) in accordance with the requirements of Section 1-07.24.

13

14 **1-07.16(1)C Private Property**

15 The Contractor shall not have access to, or use of, private property without prior agreement
16 with the property owner. The Contractor shall provide documentation of this agreement to the
17 Contracting Agency in the form of a construction easement, or other document approved by
18 the Contracting Agency. At the completion of the Contractor's use of, or access to, private
19 property the Contractor shall provide the Contracting Agency with a letter of release, or other
20 document approved by the Contracting Agency, signed by the property owner. All such
21 documentation shall be provided to the Contracting Agency prior to approval and release of
22 final payment from the Contracting Agency to the Contractor.

23

24 **1-07.17 Utilities and Similar Facilities**

25 *(April 1, 2017 VA GSP)*

26

27 *Supplement this section with the following:*

28

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

31

32 Private utilities, or their contractors, will furnish all work necessary to adjust, relocate, replace,
33 or construct their facilities noted on the Plans. Such adjustment, relocation, replacement, or
34 construction will be done during prosecution of the work for this Project. The Contractor is
35 responsible for coordination of this Work with the utility owner or their contractor.

36

37 The Contractor is responsible for determining and contacting all utility owners within the project
38 area. The following information regarding local utility companies known or suspected of having
39 facilities within the project limits are supplied for the Contractor's convenience:

40

41 Okanogan PUD (Electric)

42 17 E 3rd PO Box 585

43 Tonasket, WA 98855

44 (509) 486-2131

45

46 City of Tonasket (Water Sewer, and Stormwater)

47 209 S Whitcomb Avenue,

48 Tonasket, WA 98855

1 (509) 486-4664
2
3 Okanogan-Tonasket Irrigation District (Irrigation)
4 516 11th Avenue,
5 Oroville, WA 98844
6 (509) 476-3696
7
8 Ziplly Fiber - formerly Frontier Communications (Fiber Optic/Telephone/Internet)
9 Technical Support
10 (800) 239-4430
11

12 **1-07.18 Public Liability and Property Damage Insurance**

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

- 1
2 F. The Contractor shall not begin work under the Contract until the required insurance has
3 been obtained and approved by the Contracting Agency
4
5 G. Failure on the part of the Contractor to maintain the insurance as required shall constitute
6 a material breach of contract, upon which the Contracting Agency may, after giving five
7 business days' notice to the Contractor to correct the breach, immediately terminate the
8 Contract or, at its discretion, procure or renew such insurance and pay any and all
9 premiums in connection therewith, with any sums so expended to be repaid to the
10 Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset
11 against funds due the Contractor from the Contracting Agency.
12
13 H. All costs for insurance shall be incidental to and included in the unit or lump sum prices
14 of the Contract and no additional payment will be made.
15

16 **1-07.18(2) Additional Insured**

17 All insurance policies, with the exception of Workers Compensation, and of Professional
18 Liability and Builder's Risk (if required by this Contract) shall name the following listed entities
19 as additional insured(s) using the forms or endorsements required herein:
20

- 21 ▪ the Contracting Agency and its officers, elected officials, employees, agents, and
22 volunteers
 - 23 ▪ Varela and Associates, Inc.
- 24

25 The above-listed entities shall be additional insured(s) for the full available limits of liability
26 maintained by the Contractor, irrespective of whether such limits maintained by the Contractor
27 are greater than those required by this Contract, and irrespective of whether the Certificate of
28 Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those
29 maintained by the Contractor.
30

31 For Commercial General Liability insurance coverage, the required additional insured
32 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations
33 and CG 20 37 10 01 for completed operations.
34

35 **1-07.18(3) Subcontractors**

36 The Contractor shall cause each Subcontractor of every tier to provide insurance coverage
37 that complies with all applicable requirements of the Contractor-provided insurance as set
38 forth herein, except the Contractor shall have sole responsibility for determining the limits of
39 coverage required to be obtained by Subcontractors.
40

41 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in
42 1-07.18(2) as additional insureds and provide proof of such on the policies as required by that
43 section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10
44 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.
45

46 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting
47 Agency evidence of insurance and copies of the additional insured endorsements of each
48 Subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.
49

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

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

8
9 Verification of coverage shall include:

10

- 11 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
- 12 2. Copies of all endorsements naming Contracting Agency and all other entities listed in
13 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may
14 submit a copy of any blanket additional insured clause from its policies instead of a
15 separate endorsement.
- 16 3. Any other amendatory endorsements to show the coverage required herein.
- 17 4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy
18 these requirements – actual endorsements must be submitted.

19

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

24

25 **1-07.18(5) Coverages and Limits**

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

30

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

36

37 **1-07.18(5)A Commercial General Liability**

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

43

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

46

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

50

1 Such policy must provide the following minimum limits:

2

3	\$1,000,000	Each Occurrence
4	\$2,000,000	General Aggregate
5	\$2,000,000	Products & Completed Operations Aggregate
6	\$1,000,000	Personal & Advertising Injury each offence
7	\$1,000,000	Stop Gap / Employers' Liability each accident

8

9 **1-07.18(5)B Automobile Liability**

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

14

15 Such policy must provide the following minimum limit:

16

17	\$1,000,000	Combined single limit each accident
----	-------------	-------------------------------------

18

19 **1-07.18(5)C Workers' Compensation**

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

22

23 **1-07.18(5)D Excess or Umbrella Liability**

24 *(January 4, 2016 APWA GSP)*

25

26 The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than
27 5 million each occurrence and annual aggregate. This excess or umbrella liability coverage
28 shall be excess over and as least as broad in coverage as the Contractor's Commercial
29 General and Auto Liability insurance

30

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

33

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

37 **1-07.23 Public Convenience and Safety**

38 **1-07.23(1) Construction Under Traffic**

39 *(January 2, 2012 WSDOT GSP)*

40

41 *Supplement this section with the following:*

42

43 **Work Zone Clear Zone**

44 The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ
45 applies only to temporary roadside objects introduced by the Contractor's operations and does
46 not apply to preexisting conditions or permanent Work. Those work operations that are actively

1 in progress shall be in accordance with adopted and approved Traffic Control Plans, and other
 2 contract requirements.
 3
 4 During nonworking hours equipment or materials shall not be within the WZCZ unless they
 5 are protected by permanent guardrail or temporary concrete barrier. The use of temporary
 6 concrete barrier shall be permitted only if the Engineer approves the installation and location.
 7
 8 During actual hours of work, unless protected as described above, only materials absolutely
 9 necessary to construction shall be within the WZCZ and only construction vehicles absolutely
 10 necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the
 11 shoulder of the roadway.
 12
 13 The Contractor's nonessential vehicles and employees private vehicles shall not be permitted
 14 to park within the WZCZ at any time unless protected as described above.
 15
 16 Deviation from the above requirements shall not occur unless the Contractor has requested
 17 the deviation in writing and the Engineer has provided written approval.
 18
 19 Minimum WZCZ distances are measured from the edge of traveled way and will be determined
 20 as follows:

21
 22 ***Minimum Work Zone Clear Zone Distance***
 23

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

24 * or 2-feet beyond the outside edge of sidewalk
 25

26 **1-07.24 Rights of Way**

27 *(July 23, 2015 APWA GSP)*
 28

29 *Delete this section and replace it with the following:*
 30

31 Street Right of Way lines, limits of easements, and limits of construction permits are indicated
 32 in the Plans. The Contractor's construction activities shall be confined within these limits,
 33 unless arrangements for use of private property are made.
 34

35 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way
 36 and easements, both permanent and temporary, necessary for carrying out the work.
 37 Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's
 38 attention by a duly issued Addendum.
 39

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

1
2 Whenever easements or rights of entry have not been acquired prior to advertising, these
3 areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work
4 in areas where right of way, easements or rights of entry have not been acquired until the
5 Engineer certifies to the Contractor that the right of way or easement is available or that the
6 right of entry has been received. If the Contractor is delayed due to acts of omission on the
7 part of the Contracting Agency in obtaining easements, rights of entry or right of way, the
8 Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall
9 not be a breach of contract.

10
11 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This
12 includes entry onto easements and private property where private improvements must be
13 adjusted.

14
15 The Contractor shall be responsible for providing, without expense or liability to the
16 Contracting Agency, any additional land and access thereto that the Contractor may desire for
17 temporary construction facilities, storage of materials, or other Contractor needs. However,
18 before using any private property, whether adjoining the work or not, the Contractor shall file
19 with the Engineer a written permission of the private property owner, and, upon vacating the
20 premises, a written release from the property owner of each property disturbed or otherwise
21 interfered with by reasons of construction pursued under this contract. The statement shall
22 be signed by the private property owner, or proper authority acting for the owner of the private
23 property affected, stating that permission has been granted to use the property and all
24 necessary permits have been obtained or, in the case of a release, that the restoration of the
25 property has been satisfactorily accomplished. The statement shall include the parcel number,
26 address, and date of signature. Written releases must be filed with the Engineer before the
27 Completion Date will be established.

28

29 **1-08 Prosecution and Progress**

30 *Add the following new section:*

31

32 **1-08.0 Preliminary Matters**

33 *(May 25, 2006 APWA GSP)*

34

35 *Add the following new section:*

36

37 **1-08.0(1) Preconstruction Conference**

38 *(October 10, 2008 APWA GSP)*

39

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

43

- 44 1. To review the initial progress schedule;
- 45 2. To establish a working understanding among the various parties associated or
46 affected by the work;
- 47 3. To establish and review procedures for progress payment, notifications, approvals,
48 submittals, etc.;
- 49 4. To establish normal working hours for the work;

- 1 5. To review safety standards and traffic control; and
- 2 6. To discuss such other related items as may be pertinent to the work.

3
4 The Contractor shall prepare and submit at the preconstruction conference the following:
5 1. A breakdown of all lump sum items;
6 2. A preliminary schedule of working drawing submittals; and
7 3. A list of material sources for approval if applicable.

8
9 *Add the following new section:*

10
11 **1-08.0(2) Hours of Work**

12 *(December 8, 2014 APWA GSP)*

13
14 Except in the case of emergency or unless otherwise approved by the Engineer, the normal
15 working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and
16 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different
17 than the normal working hours stated above, the request must be submitted in writing prior to
18 the preconstruction conference, subject to the provisions below. The working hours for the
19 Contract shall be established at or prior to the preconstruction conference.

20
21 All working hours and days are also subject to local permit and ordinance conditions (such as
22 noise ordinances).

23
24 If the Contractor wishes to deviate from the established working hours, the Contractor shall
25 submit a written request to the Engineer for consideration. This request shall state what hours
26 are being requested, and why. Requests shall be submitted for review no later than 7 calendar
27 days prior to the day(s) the Contractor is requesting to change the hours.

28
29 If the Contracting Agency approves such a deviation, such approval may be subject to certain
30 other conditions, which will be detailed in writing. For example:

- 31
32 1. On non-Federal aid projects, requiring the Contractor to reimburse the
33 Contracting Agency for the costs in excess of straight-time costs for Contracting
34 Agency representatives who worked during such times. (The Engineer may
35 require designated representatives to be present during the work.
36 Representatives who may be deemed necessary by the Engineer include but are
37 not limited to: survey crews; personnel from the Contracting Agency's material
38 testing lab; inspectors; and other Contracting Agency employees or third-party
39 consultants when, in the opinion of the Engineer, such work necessitates their
40 presence.)
- 41 2. Considering the work performed on Saturdays, Sundays, and holidays as working
42 days with regard to the contract time.
- 43 3. Considering multiple work shifts as multiple working days with respect to contract
44 time even though the multiple shifts occur in a single 24-hour period.
- 45 4. If a 4-10 work schedule is requested and approved the non-working day for the
46 week will be charged as a working day.
- 47 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met
48 and recorded properly on certified payroll

1 **1-08.1 Subcontracting**
2 *(May 30, 2019 APWA GSP, Option B)*

3
4 Delete the ninth paragraph, beginning with “On all projects, the Contractor shall certify...”.

5
6 **1-08.3(2)A Type A Progress Schedule**

7 *(March 13, 2012 APWA GSP)*

8
9 *Revise this section to read:*

10
11 The Contractor shall submit **3** copies of a Type A Progress Schedule no later than at the
12 preconstruction conference, or some other mutually agreed upon submittal time. The schedule
13 may be a critical path method (CPM) schedule, bar chart, or other standard schedule format.
14 Regardless of which format used, the schedule shall identify the critical path. The Engineer
15 will evaluate the Type A Progress Schedule and approve or return the schedule for corrections
16 within 15 calendar days of receiving the submittal.

17
18 *(November 13, 2018, VA GSP)*

19
20 *Supplement this section with the following:*

21
22 Contractor’s Type A progress Schedule shall include material submittals.

23
24 **1-08.4 Prosecution of Work**

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

26
27 **1-08.4 Notice to Proceed and Prosecution of Work**

28 *(July 23, 2015 APWA GSP)*

29
30 Notice to Proceed will be given after the contract has been executed and the contract bond
31 and evidence of insurance have been approved and filed by the Contracting Agency. The
32 Contractor shall not commence with the work until the Notice to Proceed has been given by
33 the Engineer. The Contractor shall commence construction activities on the project site within
34 ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor
35 shall diligently pursue the work to the physical completion date within the time specified in the
36 contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the
37 Contractor of the responsibility to complete the work within the time(s) specified in the contract.

38
39 When shown in the Plans, the first order of work shall be the installation of high visibility fencing
40 to delineate all areas for protection or restoration, as described in the Contract. Installation of
41 high visibility fencing adjacent to the roadway shall occur after the placement of all necessary
42 signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the
43 fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be
44 performed on the site until the Contracting Agency has accepted the installation of high
45 visibility fencing, as described in the Contract.

46

1 **1-08.5 Time for Completion**

2 *(November 30, 2018 APWA GSP, Option A)*

3
4 Revise the third and fourth paragraphs to read:

5
6 Contract time shall begin on the first working day following the Notice to Proceed Date.

7
8 Each working day shall be charged to the contract as it occurs, until the contract work is
9 physically complete. If substantial completion has been granted and all the authorized working
10 days have been used, charging of working days will cease. Each week the Engineer will
11 provide the Contractor a statement that shows the number of working days: (1) charged to the
12 contract the week before; (2) specified for the physical completion of the contract; and (3)
13 remaining for the physical completion of the contract. The statement will also show the
14 nonworking days and any partial or whole day the Engineer declares as unworkable. Within
15 10 calendar days after the date of each statement, the Contractor shall file a written protest of
16 any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in
17 sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By
18 not filing such detailed protest in that period, the Contractor shall be deemed as having
19 accepted the statement as correct. If the Contractor is approved to work 10 hours a day and
20 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked
21 would ordinarily be charged as a working day then the fifth day of that week will be charged
22 as a working day whether or not the Contractor works on that day.

23
24 Revise the sixth paragraph to read:

25
26 The Engineer will give the Contractor written notice of the completion date of the contract after
27 all the Contractor's obligations under the contract have been performed by the Contractor. The
28 following events must occur before the Completion Date can be established:

- 29 1. The physical work on the project must be complete; and
- 30 2. The Contractor must furnish all documentation required by the contract and required
31 by law, to allow the Contracting Agency to process final acceptance of the contract.
32 The following documents must be received by the Project Engineer prior to establishing
33 a completion date:
- 34 a. Certified Payrolls (per Section 1-07.9(5)).
 - 35 b. Material Acceptance Certification Documents
 - 36 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the
37 Contract Provisions.
 - 38 d. Final Contract Voucher Certification
 - 39 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and
40 all Subcontractors
 - 41 f. A copy of the Notice of Termination sent to the Washington State Department of
42 Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the
43 Notice of Termination by Ecology; and no rejection of the Notice of Termination by
44 Ecology. This requirement will not apply if the Construction Stormwater General
45 Permit is transferred back to the Contracting Agency in accordance with Section 8-
46 01.3(16).
 - 47 g. Property owner releases per Section 1-07.24
- 48

1 (April 1, 2014 VA GSP)

2

3 Supplement this section with the following:

4

5 Contract time shall begin on the date stated in the written notice provided to the Contractor.

6

7 This project shall be physically completed in its entirety within **25 working days**.

8

9 **1-08.9 Liquidated Damages**

10 (August 14, 2013 APWA GSP)

11

12 *Revise the fourth paragraph to read:*

13

14 When the Contract Work has progressed to Substantial Completion as defined in the Contract,
15 the Engineer may determine that the work is Substantially Complete. The Engineer will notify
16 the Contractor in writing of the Substantial Completion Date. For overruns in Contract time
17 occurring after the date so established, the formula for liquidated damages shown above will
18 not apply. For overruns in Contract time occurring after the Substantial Completion Date,
19 liquidated damages shall be assessed on the basis of direct engineering and related costs
20 assignable to the project until the actual Physical Completion Date of all the Contract Work.
21 The Contractor shall complete the remaining Work as promptly as possible. Upon request by
22 the Project Engineer, the Contractor shall furnish a written schedule for completing the
23 physical Work on the Contract.

24

25 **1-09 Measurement and Payment**

26 **1-09.2(1) General Requirements for Weighing Equipment**

27 (July 23, 2015 APWA GSP, Option 2)

28

29 *Revise item 4 of the fifth paragraph to read:*

30

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

36

37 **1-09.2(5) Measurement**

38 (May 2, 2017 APWA GSP)

39

40 *Revise the first paragraph to read:*

41

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

45

1 **1-09.9 Payments**

2 *(March 13, 2012 APWA GSP)*

3

4 *Supplement this section with the following:*

5

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

8

9 *(March 13, 2012 APWA GSP)*

10

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

12

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

15

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

22

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

26

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

32

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

34

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of
35 work completed multiplied by the unit price.

36

2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum
37 breakdown for that item, or absent such a breakdown, based on the Engineer's
38 determination.

39

3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site
40 or other storage area approved by the Engineer.

41

4. Change Orders — entitlement for approved extra cost or completed extra work as
42 determined by the Engineer.

43

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

45

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;

46

2. The amount of progress payments previously made; and

47

3. Funds withheld by the Contracting Agency for disbursement in accordance with the
48 Contract Documents.

49

1 Progress payments for work performed shall not be evidence of acceptable performance or
2 an admission by the Contracting Agency that any work has been satisfactorily completed. The
3 determination of payments under the contract will be final in accordance with Section 1-05.1.
4

5 **1-09.11(3) Time Limitation and Jurisdiction**

6 *(November 30, 2018 APWA GSP)*

7
8 *Revise this section to read:*

9
10 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
11 claims or causes of action which the Contractor has against the Contracting Agency arising
12 from the Contract shall be brought within 180 calendar days from the date of final acceptance
13 (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any
14 such claims or causes of action shall be brought only in the Superior Court of the county
15 where the Contracting Agency headquarters is located, provided that where an action is
16 asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties
17 understand and agree that the Contractor's failure to bring suit within the time period provided,
18 shall be a complete bar to any such claims or causes of action. It is further mutually agreed
19 by the parties that when any claims or causes of action which the Contractor asserts against
20 the Contracting Agency arising from the Contract are filed with the Contracting Agency or
21 initiated in court, the Contractor shall permit the Contracting Agency to have timely access to
22 any records deemed necessary by the Contracting Agency to assist in evaluating the claims
23 or action.
24

25 **1-10 Temporary Traffic Control**

26

27 **1-10.2 Traffic Control Management**

28 *(January 3, 2017 WSDOT GSP)*

29

30 *Supplement this section with the following:*

31

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

35

36 The Northwest Laborers-Employers Training Trust

37 27055 Ohio Ave.

38 Kingston, WA 98346

39 (360) 297-3035

40

41 Evergreen Safety Council

42 12545 135th 12 Ave. NE

43 Kirkland, WA 98034-8709

44 1-800-521-0778

45

46 The American Traffic Safety Services Association

47 15 Riverside Parkway, Suite 100

48 Fredericksburg, Virginia 22406-1022

49 Training Dept. Toll Free (877) 642-4637

1 Phone: (540) 368-1701

2

3 **1-10.4 Measurement**

4 *(August 2, 2004 WSDOT GSP)*

5

6 *Supplement this section with the following:*

7

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

10

11 **Division 2 Earthwork**

12 **2-02 Removal of Structures and Obstructions**

13 *(June 26, 2000 WSDOT GSP)*

14

15 *Add the following section, including title:*

16 **2-02.3(4) Salvage of Removed Items**

17 All items shown in the Plans to be salvaged shall remain the property of the Contracting
18 Agency.

19

20 The Contractor shall transport the specified salvaged items to the following location:

21

22 Public Works facility within the City. Location to be coordinated at the preconstruction meeting.

23

24 The Contractor shall stack the material where directed by the Public Works Director. The
25 Contractor shall contact the Public Works Director at least five (5) working days prior to
26 scheduled delivery of the items to confirm delivery arrangements.

27

28 Salvage and delivery of specified materials shall be considered incidental to the Work.

29

30 **2-02.4 Measurement**

31 *(March 19, 2020 VA GSP)*

32

33 *Supplement this section with the following:*

34

35 "Remove Cement Concrete Curb and Gutter" will be measured by the linear foot along the
36 gutter line. Curb and gutter removed outside the removal limits shown on the Plans or as
37 directed by the Engineer will not be included in the measurement. Curb and gutter removed
38 due to damage caused by the Contractor's operations will not be included in the measurement.

39

40 **2-02.5 Payment**

41 *(April 1, 2017 VA GSP)*

42

43 *Supplement this section with the following:*

44

45 Sawcutting shall be considered incidental to this Work and included in the lump sum price.

46

47 "Remove Cement Concrete Curb and Gutter", per Linear Foot

1
2
3
4
5
6
7
8

The unit Contract price for “Remove Cement Concrete Curb and Gutter” shall be full compensation for all costs associated with this Work, and shall be applicable to the various curb types encountered within the project limits. Sawcutting of rigid pavement and excavation to subgrade elevation necessary for the proposed Work indicated in the Plans shall be considered incidental and included in the unit Contract price.

1 **Division 5 Surface Treatments and Pavements**

2

3 **5-04 Hot Mix Asphalt**

4 *(July 18, 2018 APWA GSP)*

5

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

7

8 **5-04.1 Description**

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

15

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

18

19 **5-04.2 Materials**

20 Materials shall meet the requirements of the following sections:

21	Asphalt Binder	9-02.1(4)
22	Cationic Emulsified Asphalt	9-02.1(6)
23	Anti-Stripping Additive	9-02.4
24	HMA Additive	9-02.5
25	Aggregates	9-03.8
26	Recycled Asphalt Pavement	9-03.8(3)B
27	Mineral Filler	9-03.8(5)
28	Recycled Material	9-03.21
29	Portland Cement	9-01
30	Sand	9-03.1(2)
31	(As noted in 5-04.3(5)C for crack sealing)	
32	Joint Sealant	9-04.2
33	Foam Backer Rod	9-04.2(3)A

34

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

41

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

45

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

7
8 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder
9 from different sources is not permitted.

10
11 The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA
12 with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the
13 Engineer for approval the process that is proposed and how it will be used in the manufacture
14 of HMA.

15
16 Production of aggregates shall comply with the requirements of Section 3-01.
17 Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates
18 from stockpiles shall comply with the requirements of Section 3-02.

19
20 **5-04.2(1) How to Get an HMA Mix Design on the QPL**

21 If the contractor wishes to submit a mix design for inclusion in the Qualified Products List
22 (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).
23

24 **5-04.2(1)A Vacant**

25
26 **5-04.2(2) Mix Design – Obtaining Project Approval**

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

28
29 **Nonstatistical** evaluation will be used for all HMA not designated as Commercial HMA in
30 the contract documents.

31
32 **Commercial** evaluation will be used for Commercial HMA and for other classes of HMA in
33 the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores,
34 prelevel, and pavement repair. Other nonstructural applications of HMA accepted by
35 commercial evaluation shall be as approved by the Project Engineer. Sampling and testing
36 of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The
37 Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from
38 the quantities used in the determination of nonstatistical evaluation.

39
40 **Nonstatistical Mix Design.** Fifteen days prior to the first day of paving the contractor shall
41 provide one of the following mix design verification certifications for Contracting Agency
42 review;
43

- 44 • The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or
- 45 one of the mix design verification certifications listed below.
- 46 • The proposed HMA mix design on WSDOT Form 350-042 with the seal and
- 47 certification (stamp & sig-nature) of a valid licensed Washington State
- 48 Professional Engineer.

- 1 • The Mix Design Report for the proposed HMA mix design developed by a
2 qualified City or County laboratory that is within one year of the approval date.**

3
4 The mix design shall be performed by a lab accredited by a national authority such as
5 Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction
6 Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program
7 (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency
8 sample program.

9
10 Mix designs for HMA accepted by Nonstatistical evaluation shall;

- 11
12 • Have the aggregate structure and asphalt binder content determined in
13 accordance with WSDOT Standard Operating Procedure 732 and meet the
14 requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and
15 stripping are at the discretion of the Engineer, and 9-03.8(6).
16 • Have anti-strip requirements, if any, for the proposed mix design determined in
17 accordance with AASHTO T 283 or T 324 or based on historic anti-strip and
18 aggregate source compatibility from previous WSDOT lab testing.

19
20 At the discretion of the Engineer, agencies may accept verified mix designs older than 12
21 months from the original verification date with a certification from the Contractor that the
22 materials and sources are the same as those shown on the original mix design.

23
24 Commercial Evaluation Approval of a mix design for "Commercial Evaluation" will be based
25 on a review of the Contractor's submittal of WSDOT Form 350-042 (For commercial mixes,
26 AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or
27 from one of the processes allowed by this section. Testing of the HMA by the Contracting
28 Agency for mix design approval is not required.

29
30 For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design
31 level of Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

32
33 **5-04.2(2)B Using Warm Mix Asphalt Processes**

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

- 37
38 • Do not use additives that reduce the mixing temperature more than allowed in
39 Section 5-04.3(6) in the production of mixtures.
40 • Before using additives, obtain the Engineer's approval using WSDOT Form 350-
41 076 to describe the proposed additive and process.

42
43 **5-04.3 Construction Requirements**

44
45 **5-04.3(1) Weather Limitations**

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

48

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

4
5

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

6
7

5-04.3(2) Paving Under Traffic

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

10

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

17

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

20

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

24

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

28

29 **5-04.3(3) Equipment**

30

31 **5-04.3(3)A Mixing Plant**

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

33

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

- 1 sampling the asphalt binder shall be placed in either the storage tank or in the
2 supply line to the mixer.
- 3 2. **Thermometric Equipment** – An armored thermometer, capable of detecting
4 temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder
5 feed line at a location near the charging valve at the mixer unit. The thermometer
6 location shall be convenient and safe for access by Inspectors. The plant shall
7 also be equipped with an approved dial-scale thermometer, a mercury actuated
8 thermometer, an electric pyrometer, or another approved thermometric
9 instrument placed at the discharge chute of the drier to automatically register or
10 indicate the temperature of the heated aggregates. This device shall be in full
11 view of the plant operator.
- 12 3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not
13 exceed the maximum recommended by the asphalt binder manufacturer nor shall
14 it be below the minimum temperature required to maintain the asphalt binder in a
15 homogeneous state. The asphalt binder shall be heated in a manner that will
16 avoid local variations in heating. The heating method shall provide a continuous
17 supply of asphalt binder to the mixer at a uniform average temperature with no
18 individual variations exceeding 25°F. Also, when a WMA additive is included in
19 the asphalt binder, the temperature of the asphalt binder shall not exceed the
20 maximum recommended by the manufacturer of the WMA additive.
- 21 4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped
22 with a mechanical sampler for the sampling of the mineral materials. The
23 mechanical sampler shall meet the requirements of Section 1-05.6 for the
24 crushing and screening operation. The Contractor shall provide for the setup and
25 operation of the field testing facilities of the Contracting Agency as provided for in
26 Section 3-01.2(2).
- 27 5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the
28 following methods:
- 29 a. A mechanical sampling device attached to the HMA plant.
30 b. Platforms or devices to enable sampling from the hauling vehicle without
31 entering the hauling vehicle.

32

33 **5-04.3(3)B Hauling Equipment**

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

40

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

46

1 **5-04.3(3)C Pavers**

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

5
6 The HMA paver shall be in good condition and shall have the most current equipment
7 available from the manufacturer for the prevention of segregation of the HMA mixture
8 installed, in good condition, and in working order. The equipment certification shall list the
9 make, model, and year of the paver and any equipment that has been retrofitted.

10

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

18

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

32

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

35

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

39

40 **5-04.3(3)D Material Transfer Device or Material Transfer Vehicle**

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

43

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

47

48 When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior
49 to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform

1 temperature throughout the mixture. If a windrow elevator is used, the length of the windrow
2 may be limited in urban areas or through intersections, at the discretion of the Engineer.

3
4 To be approved for use, an MTV:

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

13
14 To be approved for use, an MTD:

- 15
- 16 1. Shall be positively connected to the paver.
 - 17 2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
 - 18 3. Shall mix the HMA after delivery by the hauling equipment and prior to
19 placement into the paving machine.
 - 20 4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the
21 mixture.

22

23 **5-04.3(3)E Rollers**

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

33

34 **5-04.3(4) Preparation of Existing Paved Surfaces**

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

37

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

41

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

46

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

8
9 A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is
10 to be placed or abutted; except that tack coat may be omitted from clean, newly paved
11 surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the
12 existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate
13 between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application
14 shall be approved by the Engineer. A heavy application of tack coat shall be applied to all
15 joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces
16 that will be paved during the same working shift. The spreading equipment shall be equipped
17 with a thermometer to indicate the temperature of the tack coat material.

18
19 Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the
20 Contractor's operation damages the tack coat it shall be repaired prior to placement of the
21 HMA.

22
23 The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h
24 emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to
25 one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may
26 be applied uniformly at the specified rate of application and shall not exceed the maximum
27 temperature recommended by the emulsified asphalt manufacturer.

28 29 **5-04.3(4)A Crack Sealing**

30 31 **5-04.3(4)A1 General**

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

34
35 **Cleaning:** Ensure that cracks are thoroughly clean, dry and free of all loose and foreign
36 material when filling with crack sealant material. Use a hot compressed air lance to dry and
37 warm the pavement surfaces within the crack immediately prior to filling a crack with the
38 sealant material. Do not overheat pavement. Do not use direct flame dryers. Routing cracks
39 is not required.

40
41 **Sand Slurry:** For cracks that are to be filled with sand slurry, thoroughly mix the components
42 and pour the mixture into the cracks until full. Add additional CSS-1 cationic emulsified
43 asphalt to the sand slurry as needed for workability to ensure the mixture will completely fill
44 the cracks. Strike off the sand slurry flush with the existing pavement surface and allow the
45 mixture to cure. Top off cracks that were not completely filled with additional sand slurry. Do
46 not place the HMA overlay until the slurry has fully cured.

47
48 The sand slurry shall consist of approximately 20 percent CSS-1 emulsified asphalt,
49 approximately 2 percent portland cement, water (if required), and the remainder clean Class
50 1 or 2 fine aggregate per section 9-03.1(2). The components shall be thoroughly mixed and

1 then poured into the cracks and joints until full. The following day, any cracks or joints that
2 are not completely filled shall be topped off with additional sand slurry. After the sand slurry
3 is placed, the filler shall be struck off flush with the existing pavement surface and allowed
4 to cure. The HMA overlay shall not be placed until the slurry has fully cured. The
5 requirements of Section 1-06 will not apply to the portland cement and sand used in the
6 sand slurry.

7
8 In areas where HMA will be placed, use sand slurry to fill the cracks.

9
10 In areas where HMA will not be placed, fill the cracks as follows:

- 11
- 12 1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
 - 13 2. Cracks greater than 1 inch in width – fill with sand slurry.

14
15 **Hot Poured Sealant:** For cracks that are to be filled with hot poured sealant, apply the
16 material in accordance with these requirements and the manufacturer’s recommendations.
17 Furnish a Type 1 Working Drawing of the manufacturer’s product information and
18 recommendations to the Engineer prior to the start of work, including the manufacturer’s
19 recommended heating time and temperatures, allowable storage time and temperatures
20 after initial heating, allowable reheating criteria, and application temperature range. Confine
21 hot poured sealant material within the crack. Clean any overflow of sealant from the
22 pavement surface. If, in the opinion of the Engineer, the Contractor’s method of sealing the
23 cracks with hot poured sealant results in an excessive amount of material on the pavement
24 surface, stop and correct the operation to eliminate the excess material.

25
26 **5-04.3(4)A2 Crack Sealing Areas Prior to Paving**

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

28
29 **5-04.3(4)A3 Crack Sealing Areas Not to be Paved**

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

- 31
- 32 A. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
 - 33 B. Cracks greater than 1 inch in width – fill with sand slurry.

34
35 **5-04.3(4)B Vacant**

36
37 **5-04.3(4)C Pavement Repair**

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

1
2 Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of
3 1.0 feet. The Engineer will make the final determination of the excavation depth required.
4 The minimum width of any pavement repair area shall be 40 inches unless shown otherwise
5 in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be
6 removed by a pavement grinder. Excavated materials will become the property of the
7 Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or
8 used in accordance with Sections 2-02.3(3) or 9-03.21.
9

10 Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application
11 of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.
12

13 Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot
14 compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with
15 the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical
16 tamper or a roller.
17

18 **5-04.3(5) Producing/Stockpiling Aggregates and RAP**

19 Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02.
20 Sufficient storage space shall be provided for each size of aggregate and RAP. Materials
21 shall be removed from stockpile(s) in a manner to ensure minimal segregation when being
22 moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall
23 be kept separated until they have been delivered to the HMA plant.
24

25 **5-04.3(5)A Vacant**

26

27 **5-04.3(6) Mixing**

28 After the required amount of mineral materials, asphalt binder, recycling agent and anti-
29 stripping additives have been introduced into the mixer the HMA shall be mixed until
30 complete and uniform coating of the particles and thorough distribution of the asphalt binder
31 throughout the mineral materials is ensured.
32

33 When discharged, the temperature of the HMA shall not exceed the optimum mixing
34 temperature by more than 25°F as shown on the reference mix design report or as approved
35 by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the
36 discharge temperature of the HMA shall not exceed the maximum recommended by the
37 manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at
38 discharge, will be allowed providing the water causes no problems with handling, stripping,
39 or flushing. If the water in the HMA causes any of these problems, the moisture content shall
40 be reduced as directed by the Engineer.
41

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

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

5-04.3(7) Spreading and Finishing

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

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

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

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

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

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

5-04.3(9) HMA Mixture Acceptance

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

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

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

1 HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling
 2 and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.
 3
 4 The mix design will be the initial JMF for the class of HMA. The Contractor may request a
 5 change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and
 6 may be made in accordance with this section.

7
 8 **HMA Tolerances and Adjustments**

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

12 For Asphalt Binder and Air Voids (Va), the acceptance limits are determined
 13 by adding the tolerances below to the approved JMF values. These values will
 14 also be the Upper Specification Limit (USL) and Lower Specification Limit
 15 (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

17
 18 For Aggregates in the mixture:

19
 20 a. First, determine preliminary upper and lower acceptance limits by applying the
 21 following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", 3/4", 1/2", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/- 6%	+/- 8%
No. 8 Sieve	+/- 6%	+/- 8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

23
 24 b. Second, adjust the preliminary upper and lower acceptance limits determined
 25 from step (a) the minimum amount necessary so that none of the aggregate
 26 properties are outside the control points in Section 9-03.8(6). The resulting
 27 values will be the upper and lower acceptance limits for aggregates, as well as
 28 the USL and LSL required in Section 1-06.2(2)D2.

29
 30 2. **Job Mix Formula Adjustments** – An adjustment to the aggregate gradation or
 31 asphalt binder content of the JMF requires approval of the Engineer. Adjustments
 32 to the JMF will only be considered if the change produces material of equal or
 33 better quality and may require the development of a new mix design if the
 34 adjustment exceeds the amounts listed below.

35
 36 a. **Aggregates** –2 percent for the aggregate passing the 1 1/2", 1", 3/4", 1/2", 3/8", and
 37 the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5
 38 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be
 39 within the range of the control points in Section 9-03.8(6).
 40

1 b. **Asphalt Binder Content** – The Engineer may order or approve changes to
2 asphalt binder content. The maximum adjustment from the approved mix design
3 for the asphalt binder content shall be 0.3 percent
4

5 **5-04.3(9)A Vacant**
6

7 **5-04.3(9)B Vacant**
8

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

10 HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the
11 Contracting Agency by dividing the HMA tonnage into lots.
12

13 **5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots**

14 A lot is represented by randomly selected samples of the same mix design that will be tested
15 for acceptance. A lot is defined as the total quantity of material or work produced for each
16 Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one
17 day's production or 800 tons, whichever is less except that the final subplot will be a minimum
18 of 400 tons and may be increased to 1200 tons.
19

20 All of the test results obtained from the acceptance samples from a given lot shall be
21 evaluated collectively. If the Contractor requests a change to the JMF that is approved, the
22 material produced after the change will be evaluated on the basis of the new JMF for the
23 remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in
24 progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the
25 Engineer is satisfied that material conforming to the Specifications can be produced.
26

27 Sampling and testing for evaluation shall be performed on the frequency of one sample per
28 subplot.
29

30 **5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling**

31 Samples for acceptance testing shall be obtained by the Contractor when ordered by the
32 Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and
33 in accordance with AASH-TO T 168. A minimum of three samples should be taken for each
34 class of HMA placed on a project. If used in a structural application, at least one of the three
35 samples shall to be tested.
36

37 Sampling and testing HMA in a Structural application where quantities are less than 400 tons
38 is at the discretion of the Engineer.
39

40 For HMA used in a structural application and with a total project quantity less than 800 tons
41 but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases,
42 a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of
43 the three samples will be tested for conformance to the JMF:
44

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

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- 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

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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

1 **5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments**

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

7
8 If a constituent is not measured in accordance with these Specifications, its individual pay
9 factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

10

11 **5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests**

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

20

21 **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

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

31

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

37

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

40

41 **5-04.3(10) HMA Compaction Acceptance**

42 HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including
43 lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a
44 specified compacted course thickness greater than 0.10-foot, shall be compacted to a
45 specified level of relative density. The specified level of relative density shall be a Composite
46 Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2,
47 using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density
48 shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density

1 attained will be determined by the evaluation of the density of the pavement. The density of
2 the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8,
3 except that gauge correlation will be at the discretion of the Engineer, when using the nuclear
4 density gauge and WSDOT SOP 736 when using cores to determine density.

5
6 Tests for the determination of the pavement density will be taken in accordance with the
7 required procedures for measurement by a nuclear density gauge or roadway cores after
8 completion of the finish rolling.

9
10 If the Contracting Agency uses a nuclear density gauge to determine density the test
11 procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix
12 is placed and prior to opening to traffic.

13
14 Roadway cores for density may be obtained by either the Contracting Agency or the
15 Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches
16 minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the
17 Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

18
19 If the Contract includes the Bid item "Roadway Core" the cores shall be obtained by the
20 Contractor in the presence of the Engineer on the same day the mix is placed and at
21 locations designated by the Engineer. If the Contract does not include the Bid item "Roadway
22 Core" the Contracting Agency will obtain the cores.

23
24 For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's
25 request after the Engineer is satisfied that material conforming to the Specifications can be
26 produced.

27
28 HMA mixture accepted by commercial evaluation and HMA constructed under conditions
29 other than those listed above shall be compacted on the basis of a test point evaluation of
30 the compaction train. The test point evaluation shall be performed in accordance with
31 instructions from the Engineer. The number of passes with an approved compaction train,
32 required to attain the maximum test point density, shall be used on all subsequent paving.

33
34 HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel
35 rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the
36 Engineer.

37
38 **Test Results**

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

45
46 When cores are taken by the Contracting Agency at the request of the Contractor, they shall
47 be requested by noon of the next workday after the test results for the subplot have been
48 provided or made available to the Contractor. Core locations shall be outside of wheel paths
49 and as determined by the Engineer. Traffic control shall be provided by the Contractor as
50 requested by the Engineer. Failure by the Contractor to provide the requested traffic control
51 will result in forfeiture of the request for cores. When the CPF for the lot based on the results
52 of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies

1 due or that may become due the Contractor under the Contract at the rate of \$200 per core
2 and the Contractor shall pay for the cost of the traffic control.

3

4 **5-04.3(10)A HMA Compaction – General Compaction Requirements**

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

11

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

18

19 **5-04.3(10)B HMA Compaction – Cyclic Density**

20 Low cyclic density areas are defined as spots or streaks in the pavement that are less than
21 90 percent of the theoretical maximum density. At the Engineer’s discretion, the Engineer
22 may evaluate the HMA pavement for low cyclic density, and when doing so will follow
23 WSDOT SOP 733. A \$500 Cyclic Density Price Adjustment will be assessed for any 500-
24 foot section with two or more density readings below 90 percent of the theoretical maximum
25 density.

26

27 **5-04.3(10)C Vacant**

28

29 **5-04.3(10)D HMA Nonstatistical Compaction**

30

31 **5-04.3(10)D1 HMA Nonstatistical Compaction – Lots and Sublots**

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

34

35 A lot is represented by randomly selected samples of the same mix design that will be tested
36 for acceptance. A lot is defined as the total quantity of material or work produced for each
37 Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one
38 day’s production or 400 tons, whichever is less except that the final subplot will be a minimum
39 of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of
40 5 tests per subplot per WSDOT T 738.

41

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

45

1 HMA mixture accepted by commercial evaluation and HMA constructed under conditions
2 other than those listed above shall be compacted on the basis of a test point evaluation of
3 the compaction train. The test point evaluation shall be performed in accordance with
4 instructions from the Engineer. The number of passes with an approved compaction train,
5 required to attain the maximum test point density, shall be used on all subsequent paving.
6

7 HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts
8 shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.
9

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

11 The location of the HMA compaction acceptance tests will be randomly selected by the
12 Engineer from within each subplot, with one test per subplot.
13

14 **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

15 For each compaction lot with one or two sublots, having all sublots attain a relative density
16 that is 92 percent of the reference maximum density the HMA shall be accepted at the unit
17 Contract price with no further evaluation. When a subplot does not attain a relative density
18 that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance
19 with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00,
20 however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF
21 values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for
22 compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or
23 cores will be completed as required to provide a minimum of three tests for evaluation.
24

25 For compaction below the required 92% a Non-Conforming Compaction Factor (NCCF) will
26 be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by
27 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the
28 quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of
29 mix.
30

31 **5-04.3(11) Reject Work**

32

33 **5-04.3(11)A Reject Work General**

34 Work that is defective or does not conform to Contract requirements shall be rejected. The
35 Contractor may propose, in writing, alternatives to removal and replacement of rejected
36 material. Acceptability of such alternative proposals will be determined at the sole discretion
37 of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-
38 06.2(2) and this specification, and the Contractor shall submit a corrective action proposal
39 to the Engineer for approval.
40

41 **5-04.3(11)B Rejection by Contractor**

42 The Contractor may, prior to sampling, elect to remove any defective material and replace it
43 with new material. Any such new material will be sampled, tested, and evaluated for
44 acceptance.
45

1 **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

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

5
6 No payment will be made for the rejected materials or the removal of the materials unless
7 the Contractor requests that the rejected material be tested. If the Contractor elects to have
8 the rejected material tested, a minimum of three representative samples will be obtained
9 and tested. Acceptance of rejected material will be based on conformance with the
10 nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75,
11 no payment will be made for the rejected material; in addition, the cost of sampling and
12 testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost
13 of sampling and testing will be borne by the Contracting Agency. If the material is rejected
14 before placement and the CPF is greater than or equal to 0.75, compensation for the rejected
15 material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater
16 than or equal to 0.75, compensation for the rejected material will be at the calculated CPF
17 with an addition of 25 percent of the unit Contract price added for the cost of removal and
18 disposal.

19

20 **5-04.3(11)D Rejection - A Partial Sublot**

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

27

28 **5-04.3(11)E Rejection - An Entire Sublot**

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

33

34 **5-04.3(11)F Rejection - A Lot in Progress**

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

38

- 39 1. When the Composite Pay Factor (CPF) of a lot in progress drops below 1.00 and
40 the Contractor is taking no corrective action, or
41 2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95
42 and the Contractor is taking no corrective action, or
43 3. When either the PFi for any constituent or the CPF of a lot in progress is less than
44 0.75.

45

1 **5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)**

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

3

4 **5-04.3(12) Joints**

5

6 **5-04.3(12)A HMA Joints**

7

8 **5-04.3(12)A1 Transverse Joints**

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

16
17 A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a
18 transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary
19 wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or
20 other methods approved by the Engineer. The wrapping paper shall be removed and the
21 joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption
22 of paving.

23
24 The material that is cut away shall be wasted and new mix shall be laid against the cut.
25 Rollers or tamping irons shall be used to seal the joint.

26

27 **5-04.3(12)A2 Longitudinal Joints**

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

36

37 **5-04.3(12)B Bridge Paving Joint Seals**

38

39 **5-04.3(12)B1 HMA Sawcut and Seal**

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

44

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

3
4 Construct the bridge paving joint seal as specified ion the Plans and in accordance with the
5 detail shown in the Standard Plans. Construct the sawcut in accordance with the detail
6 shown in the Standard Plan. Construct the sawcut in accordance with Section 5-05.3(8)B
7 and the manufacturer's application procedure.

8

9 **5-04.3(12)B2 Paved Panel Joint Seal**

10 Construct the paved panel joint seal in accordance with the requirements specified in section
11 5-04.3(12)B1 and the following requirement:

12

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

15

16 **5-04.3(13) Surface Smoothness**

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

23

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

26

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

31

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

34

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

41

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

47

1 Utility appurtenance adjustment discussions will be included in the Pre-Paving planning (5-
2 04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the
3 start of paving.
4

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

6 The planing plan must be approved by the Engineer and a pre-planing meeting must be held
7 prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing
8 submittals.
9

10 Locations of existing surfacing to be planed are as shown in the Drawings.
11

12 Where planing an existing pavement is specified in the Contract, the Contractor must
13 remove existing surfacing material and to reshape the surface to remove irregularities. The
14 finished product must be a prepared surface acceptable for receiving an HMA overlay.
15

16 Use the cold milling method for planing unless otherwise specified in the Contract. Do not
17 use the planer on the final wearing course of new HMA.
18

19 Conduct planing operations in a manner that does not tear, break, burn, or otherwise
20 damage the surface which is to remain. The finished planed surface must be slightly grooved
21 or roughened and must be free from gouges, deep grooves, ridges, or other imperfections.
22 The Contractor must repair any damage to the surface by the Contractor's planing
23 equipment, using an Engineer approved method.
24

25 Repair or replace any metal castings and other surface improvements damaged by planing,
26 as determined by the Engineer.
27

28 A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a
29 minimum of 4 inches of curb reveal after placement and compaction of the final wearing
30 course. The dimensions of the wedge must be as shown on the Drawings or as specified by
31 the Engineer.
32

33 A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet
34 lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with
35 vertical faces 2 inches or more in height, producing a smooth transition to the existing
36 adjoining pavement.
37

38 After planing is complete, planed surfaces must be swept, cleaned, and if required by the
39 Contract, patched and preleveled.
40

41 The Engineer may direct additional depth planing. Before performing this additional depth
42 planing, the Contractor must conduct a hidden metal in pavement detection survey as
43 specified in Section 5-04.3(14)A.
44

45 **5-04.3(14)A Pre-Planing Metal Detection Check**

46 Before starting planing of pavements, and before any additional depth planing required by
47 the Engineer, the Contractor must conduct a physical survey of existing pavement to be
48 planed with equipment that can identify hidden metal objects.
49

50 Should such metal be identified, promptly notify the Engineer.

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

4
5 The Contractor is solely responsible for any damage to equipment resulting from the
6 Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's
7 failure to notify the Engineer of any hidden metal that is detected.

8

9 **5-04.3(14)B Paving and Planing Under Traffic**

10

11 **5-04.3(14)B1 General**

12 In addition, the requirements of Section 1-07.23 and the traffic controls required in Section
13 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor
14 must comply with the following:

15

16 1. Intersections:

17

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

28

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

33

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

37

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

41

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

45

- 1 2. Temporary centerline marking, post-paving temporary marking, temporary stop
2 bars, and maintaining temporary pavement marking must comply with Section 8-
3 23.
- 4
- 5 3. Permanent pavement marking must comply with Section 8-22.
- 6

7 **5-04.3(14)B2 Submittals – Planing Plan and HMA Paving Plan**

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

17

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

22

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

27

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

- 29
- 30 1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each
31 day’s traffic control as it relates to the specific requirements of that day’s planing
32 and paving. Briefly describe the sequencing of traffic control consistent with the
33 proposed planing and paving sequence, and scheduling of placement of temporary
34 pavement markings and channelizing devices after each day’s planing, and paving.
- 35
- 36 2. A copy of each intersection’s traffic control plan.
- 37
- 38 3. Haul routes from Supplier facilities, and locations of temporary parking and staging
39 areas, including return routes. Describe the complete round trip as it relates to the
40 sequencing of paving operations.
- 41
- 42 4. Names and locations of HMA Supplier facilities to be used.
- 43
- 44 5. List of all equipment to be used for paving.
- 45
- 46 6. List of personnel and associated job classification assigned to each piece of paving
47 equipment.

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7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.
8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.

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

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

1. General for both Paving Plan and for Planing Plan:
 - a. The actual times of starting and ending daily operations.
 - b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.
 - c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, to public convenience and safety, and to other contractors who may operate in the Project Site.
 - d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.
 - e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and 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

- 1 g. Description of procedures and equipment to identify hidden metal in the
- 2 pavement, such as survey monumentation, monitoring wells, street car rail, and
- 3 castings, before planning, see Section 5-04.3(14)B2.
- 4 h. Description of how flaggers will be coordinated with the planing, paving, and
- 5 related operations.
- 6 i. Description of sequencing of traffic controls for the process of rigid pavement
- 7 base repairs.
- 8 j. Other items the Engineer deems necessary to address.
- 9 2. Paving – additional topics:
- 10 a. When to start applying tack and coordinating with paving.
- 11 b. Types of equipment and numbers of each type equipment to be used. If more
- 12 pieces of equipment than personnel are proposed, describe the sequencing of
- 13 the personnel operating the types of equipment. Discuss the continuance of
- 14 operator personnel for each type equipment as it relates to meeting
- 15 Specification requirements.
- 16 c. Number of JMFs to be placed, and if more than one JMF how the Contractor
- 17 will ensure different JMFs are distinguished, how pavers and MTVs are
- 18 distinguished if more than one JMF is being placed at the time, and how
- 19 pavers and MTVs are cleaned so that one JMF does not adversely influence
- 20 the other JMF.
- 21 d. Description of contingency plans for that day’s operations such as equipment
- 22 breakdown, rain out, and Supplier shutdown of operations.
- 23 e. Number of sublots to be placed, sequencing of density testing, and other
- 24 sampling and testing.
- 25

26 **5-04.3(15) Sealing Pavement Surfaces**

27 Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section
28 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to
29 traffic.

30
31 **5-04.3(16) HMA Road Approaches**

32 HMA approaches shall be constructed at the locations shown in the Plans or where staked
33 by the Engineer. The Work shall be performed in accordance with Section 5-04.

34
35 *(November 22, 2017 VA GSP)*

36
37 *Add the following new section, including title:*

38 **5-04.3(17) Pulverization of Existing Pavement**

39 The roadway shall be pulverized to a minimum depth equal to eight (8) inches below the
40 existing asphalt. Resulting maximum particle size shall be 2”, with at least 55% passing
41 the No. 4 sieve. Variable existing pavement and base course (if any) thickness and
42 materials should be expected. Removal or addition of material may be required to achieve
43 the specified lines and grades.

44

1 Pulverization operations shall extend from the edge of the roadway toward the center line.
2 Pulverization lanes shall not straddle grade breaks in the cross slope of the roadway to
3 ensure a uniform pulverization depth.
4

5 **5-04.3(17)A Adjusting Existing Utility Structures**

6 The Contractor shall locate, identify and temporarily lower and protect all existing sewer
7 and storm drain structures, water valve boxes, monuments or other appurtenances
8 adequately below the mixing depth, and adjust these items to finished grade after paving.
9 The Plans show known items but others may exist, potentially in some cases below
10 existing surfacing. The Contractor shall notify the Engineer promptly if other items that will
11 affect the Work or be affected by the work are found, including shallow pipes
12

13 During the process of locating existing items the Contractor shall report daily to the
14 Engineer in the field with a list of any items not shown on the Plans and any shallow pipes
15 that will interfere with the Work. Shallow culverts or other pipe that will interfere with the
16 work shall be brought to the Engineer's attention well in advance so a satisfactory
17 resolution can be made. Delays in the Work due to inadequate notification of the Engineer
18 will not be grounds for additional costs or a time extension.
19

20 **5-04.3(17)C Subgrade Preparation & Shaping**

21 The pulverizing operation and the establishment of the sub-grade shape, profile and grade
22 shall be completed and approved by the Engineer prior to paving operations. The
23 pulverized material shall be shaped to the required subgrade lines and grades and rolled
24 immediately following pulverization when necessary for temporary traffic control. Removal
25 and disposal of excess material and/or addition of material may be necessary to achieve
26 the lines, grades, thickness, and cross section shown on the Plans or as staked by the
27 Engineer. The shaped surface shall be free of ruts and defects to provide a smooth uniform
28 grade and free draining cross slope. The prepared subgrade shall be firm, unyielding, and
29 free from irregularities and material segregation. Compaction shall conform to 2-03.3(14)C
30 Method B. Prepared subgrade shall be approved by the Engineer prior to placement of
31 HMA.

32
33 *(March 19, 2020 VA GSP)*

34 **5-04.4 Measurement**

35 HMA CI. ___ PG ___, HMA for ___ CI. ___ PG ___, and Commercial HMA will be measured
36 by the ton in accordance with Section 1-09.2, with no deduction being made for the weight
37 of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor
38 elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed
39 will not be measured.

40
41 Roadway cores will be measured per each for the number of cores taken.
42

43 Preparation of untreated roadway will be measured by the mile once along the centerline
44 of the main line Roadway. No additional measurement will be made for ramps, Auxiliary
45 Lanes, service roads, Frontage Roads, or Shoulders. Measurement will be to the nearest
46 0.01 mile.
47

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

1
2 Pavement repair excavation will be measured by the square yard of surface marked prior
3 to excavation.
4
5 Asphalt for prime coat will be measured by the ton in accordance with Section 1-09.2.
6
7 Prime coat aggregate will be measured by the cubic yard, truck measure, or by the ton,
8 whichever is designated in the Proposal.
9
10 Asphalt for fog seal will be measured by the ton, as provided in Section 5-02.4.
11
12 Longitudinal joint seals between the HMA and cement concrete pavement will be
13 measured by the linear foot along the line and slope of the completed joint seal.
14
15 Planing bituminous pavement will be measured by the square yard.
16
17 Temporary pavement marking will be measured by the linear foot as provided in Section
18 8-23.4.
19
20 Water will be measured by the M gallon as provided in Section 2-07.4.
21
22 Pulverization of existing pavement and subgrade preparation will be measured by the
23 square yard along the ground surface to the neat lines indicated on the Plans. Areas
24 pulverized outside the neat lines without prior approval will not be included in the
25 measurement. Limits of subgrade preparation shall be as the neat lines shown on the
26 plans and no measurement will be made beyond these neat line limits.

27

28 **5-04.5 Payment**

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

30

31 "HMA Cl. ___ PG ___", per ton.

32

33 "HMA for Approach Cl. ___ PG ___", per ton.

34

35 "HMA for Preleveling Cl. ___ PG ___", per ton.

36

37 "HMA for Pavement Repair Cl. ___ PG ___", per ton.

38

39 "Commercial HMA", per ton.

40

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

47

48 "Preparation of Untreated Roadway", per mile.

49

50 The unit Contract price per mile for "Preparation of Untreated Roadway" shall be full pay for
51 all Work described under 5-04.3(4) , with the exception, however, that all costs involved in

1 patching the Roadway prior to placement of HMA shall be included in the unit Contract price
2 per ton for "HMA Cl. ____ PG ____" which was used for patching. If the Proposal does not
3 include a Bid item for "Preparation of Untreated Roadway", the Roadway shall be prepared
4 as specified, but the Work shall be included in the Contract prices of the other items of Work.
5
6 "Preparation of Existing Paved Surfaces", per mile.
7
8 The unit Contract Price for "Preparation of Existing Paved Surfaces" shall be full pay for all
9 Work described under Section 5-04.3(4) with the exception, however, that all costs involved
10 in patching the Roadway prior to placement of HMA shall be included in the unit Contract
11 price per ton for "HMA Cl. ____ PG ____" which was used for patching. If the Proposal does
12 not include a Bid item for "Preparation of Untreated Roadway", the Roadway shall be
13 prepared as specified, but the Work shall be included in the Contract prices of the other
14 items of Work.
15
16 "Crack Sealing", by force account.
17
18 "Crack Sealing" will be paid for by force account as specified in Section 1-09.6. For the
19 purpose of providing a common Proposal for all Bidders, the Contracting Agency has entered
20 an amount 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
24 The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall
25 be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with
26 the exception, however, that all costs involved in the placement of HMA shall be included in
27 the unit Contract price per ton for "HMA for Pavement Repair Cl. ____ PG ____", per ton.
28
29 "Asphalt for Prime Coat", per ton.
30
31 The unit Contract price per ton for "Asphalt for Prime Coat" shall be full payment for all costs
32 incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).
33
34 "Prime Coat Agg.", per cubic yard, or per ton.
35
36 The unit Contract price per cubic yard or per ton for "Prime Coat Agg." shall be full pay for
37 furnishing, loading, and hauling aggregate to the place of deposit and spreading the
38 aggregate in the quantities required by the Engineer.
39
40 "Asphalt for Fog Seal", per ton.
41
42 Payment for "Asphalt for Fog Seal" is described in Section 5-02.5.
43
44 "Longitudinal Joint Seal", per linear foot.
45
46 The unit Contract price per linear foot for "Longitudinal Joint Seal" shall be full payment for
47 all costs incurred to perform the Work described in Section 5-04.3(12).
48
49 "Planing Bituminous Pavement", per square yard.
50
51 The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full
52 payment for all costs incurred to perform the Work described in Section 5-04.3(14).

1
2 "Temporary Pavement Marking", per linear foot.
3
4 Payment for "Temporary Pavement Marking" is described in Section 8-23.5.
5
6 "Water", per M gallon.
7
8 Payment for "Water" is described in Section 2-07.5.
9
10 "Job Mix Compliance Price Adjustment", by calculation.
11
12 "Job Mix Compliance Price Adjustment" will be calculated and paid for as described in
13 Section 5-04.3(9)C6.
14
15 "Compaction Price Adjustment", by calculation.
16
17 "Compaction Price Adjustment" will be calculated and paid for as described in Section 5-
18 04.3(10)D3.
19
20 "Roadway Core", per each.
21
22 The Contractor's costs for all other Work associated with the coring (e.g., traffic control) shall
23 be incidental and included within the unit Bid price per each and no additional payments will
24 be made.
25
26 "Cyclic Density Price Adjustment", by calculation.
27
28 "Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-
29 04.3(10)B.
30
31 "Subgrade Preparation", per square yard.
32
33 The unit Contract price for "Subgrade Preparation" shall be full payment for all work and
34 incidentals needed to complete this Work as described in Section 5-04.3(17)C.
35
36 "Pulverize Existing Pavement" per square yard.
37
38 The unit Contract price for "Pulverize Existing Pavement" shall be full payment for all labor,
39 equipment, and materials necessary to complete the Work. No additional payment will be
40 allowed for pulverization of thick pavements.
41

42 **Division 7 Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains, &** 43 **Conduits**

45 **7-05 Manholes, Inlets, Catch Basins, and Drywells**

46 **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

47 *(April 1, 2017 VA GSP)*

48

49 *Supplement this Section with the following:*

50

1 Where located within the public right-of-way a maximum of 16 inches shall be provided
2 between the top of the cone or slab and the frame unless approved by the Engineer.
3
4 Manholes and catch basins shall not be adjusted until paving operations have been
5 completed. Contractor shall provide for location of each lid. Asphalt concrete pavement shall
6 be cut and removed at a maximum distance of 48 inches or 14 inches from the outside of the
7 frame, whichever is smaller.
8
9 The structure frame shall be brought up to conform with the existing road surface. Adjustments
10 shall be made with concrete grade rings. Apply mortar on and between all adjustment rings
11 and frame to completely fill all voids and provide a water tight seal, no rough or uneven surface
12 will be permitted inside or out. Place adjustment rings to provide a vertical alignment of steps
13 or ladder.
14
15 Check manhole specifications for minimum and maximum manhole adjustment and step
16 requirements. Special care shall be exercised in all operations to not damage the manhole,
17 frames, and lids, or other existing facilities.
18
19 As soon as the street is paved past each manhole, the asphalt concrete mat shall be scored
20 around the location of the manhole, catch basin, meter boxes, or valve box. After rolling has
21 been completed and the mat has cooled, it shall be cut along the scored lines. The manholes,
22 catch basins, meter boxes, and valve boxes shall then be raised to finished pavement grade
23 and the annular spaces filled with cement concrete to within 1 -1/2 inches of the finished grade.
24 The remaining 1-1/2 inches shall be filled with commercial HMA to give a smooth finished
25 appearance. Longitudinal joint sealant shall be applied at cold joint. Commercial HMA and
26 joint sealant shall be considered incidental to adjustment of the structure.
27

28 **7-12 Valves for Water Mains**

29

30 **7-12.3 Construction Requirements**

31 *(January 30, 2018 VA GSP)*

32

33 *Supplement this section with the following:*

34

35 Set valve boxes during backfilling to be plumb; cushion lower unit from valve body; set top
36 elevation ¼-inch low in roadways and 1" high in other areas.

37

38 Extra care shall be taken when installing the upper unit of the valve box to provide adequate
39 foundation under the lip to avoid future settlement of box.

40

41 *Add the following new section, including title:*

42

43 *(April 1, 2017 VA GSP)*

44 **7-12.3(2) Adjust Valve Box**

45 Adjustment of valve boxes to grade shall meet the requirements of Section 7-05.3(1).

46

1 **7-12.4 Measurement**

2 *(March 31, 2017 VA GSP)*

3

4 *Supplement this section with the following:*

5 Adjustment of valve boxes will be measured per Each.

6

7 **7-12.5 Payment**

8 *(March 31, 2017 VA GSP)*

9

10 *Supplement this section with the following:*

11 "Adjust Valve Box" per Each

12

13 **Division 8 Miscellaneous Construction**

14

15 **8-21 Permanent Signing**

16

17 **8-21.3(1) Location of Signs**

18 *(March 31, 2017 VA GSP)*

19

20 *Delete this Section in its entirety and replace with the following:*

21

22 Sign locations shown in the Plans are approximate. The Contractor shall coordinate the final
23 location with the Engineer in the field. For bidding purposes post lengths shall be estimated
24 at 10 feet. Final post lengths will be determined by the Contractor and verified by the Engineer
25 prior to fabrication.

26

27 **8-21.3(4) Sign Removal**

28 *(March 31, 2017 VA GSP)*

29

30 *Supplement this Section with the following:*

31

32 Signs removed by the Contractor that are not indicated on the Plans for reuse shall be
33 salvaged in accordance with Section 2-02.3 Salvage of Removed Items.

34

WAGE RATES

State Prevailing Wage Rate Determinations (RCW 39.12)

NOTE:

The Contractor is required to pay the applicable State prevailing wage rate. It is the Contractor's sole responsibility to comply with all provisions of State labor standard requirements. If the Contractor utilizes labor classifications for which wage rate determinations are not reproduced in these Contract Documents, such determinations shall nevertheless be considered as enforceable provisions of this Contract, as though fully set forth herein.

There is no guarantee that labor can be obtained at these wages, or that the State minimum wage rates will remain the same for any particular period of time. State minimum wage rates may change from those included herein, before or after the date of bid opening. The Contractor will not be allowed additional compensation for any wage rate increase that is or may become applicable to this project or for any increase in labor costs due State minimum wage or other labor requirements which are, or may become, applicable to this project.

It is the Contractor's sole responsibility to ensure that all subcontractors comply with these requirements.

The State prevailing wage rates and benefits found on the Labor and Industries web site
<http://www.lni.wa.gov/TradesLicensing/PrevWage/default.asp>

County **Okanogan**

Bid Date **05/28/2020**

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 8/1/2020

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Okanogan	Asbestos Abatement Workers	Journey Level	\$41.04	<u>5D</u>	<u>1H</u>		View
Okanogan	Boilermakers	Journey Level	\$69.29	<u>5N</u>	<u>1C</u>		View
Okanogan	Brick Mason	Journey Level	\$50.44	<u>5A</u>	<u>1M</u>		View
Okanogan	Building Service Employees	Janitor	\$13.50		<u>1</u>		View
Okanogan	Building Service Employees	Shampooer	\$13.50		<u>1</u>		View
Okanogan	Building Service Employees	Waxer	\$13.50		<u>1</u>		View
Okanogan	Building Service Employees	Window Cleaner	\$13.50		<u>1</u>		View
Okanogan	Cabinet Makers (In Shop)	Journey Level	\$13.50		<u>1</u>		View
Okanogan	Carpenters	Acoustical Worker	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Carpenters	Bridge, Dock & Wharf Carpenter	\$48.57	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Carpenters	Floor Layer & Floor Finisher	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Carpenters	Form Builder	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Carpenters	General Carpenter	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Carpenters	Heavy Construction Carpenter	\$52.35	<u>7E</u>	<u>4X</u>	<u>9E</u>	View
Okanogan	Carpenters	Scaffold/Shoring Erecting & Dismantling	\$52.35	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Cement Masons	Journey Level	\$45.14	<u>7B</u>	<u>1N</u>		View
Okanogan	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$116.20	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Dive Supervisor/Master	\$79.23	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Diver	\$116.20	<u>7A</u>	<u>4C</u>	<u>8V</u>	View
Okanogan	Divers & Tenders	Diver On Standby	\$74.23	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Diver Tender	\$67.31	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Manifold Operator	\$67.31	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Manifold Operator Mixed Gas	\$72.31	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$67.31	<u>7A</u>	<u>4C</u>		View
Okanogan	Divers & Tenders	Remote Operated Vehicle Tender	\$62.69	<u>7A</u>	<u>4C</u>		View
Okanogan	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>		View

Okanogan	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	5D	3F		View
Okanogan	Dredge Workers	Boatmen	\$56.44	5D	3F		View
Okanogan	Dredge Workers	Engineer Welder	\$57.51	5D	3F		View
Okanogan	Dredge Workers	Leverman, Hydraulic	\$58.67	5D	3F		View
Okanogan	Dredge Workers	Mates	\$56.44	5D	3F		View
Okanogan	Dredge Workers	Oiler	\$56.00	5D	3F		View
Okanogan	Drywall Applicator	Journey Level	\$47.37	7E	4X	8N	View
Okanogan	Drywall Tapers	Journey Level	\$42.54	7E	1P		View
Okanogan	Electrical Fixture Maintenance Workers	Journey Level	\$13.50		1		View
Okanogan	Electricians - Inside	Cable Splicer	\$72.98	7H	1E		View
Okanogan	Electricians - Inside	Construction Stock Person	\$36.47	7H	1D		View
Okanogan	Electricians - Inside	Journey Level	\$68.42	7H	1E		View
Okanogan	Electricians - Motor Shop	Craftsman	\$15.37		1		View
Okanogan	Electricians - Motor Shop	Journey Level	\$14.69		1		View
Okanogan	Electricians - Powerline Construction	Cable Splicer	\$82.39	5A	4D		View
Okanogan	Electricians - Powerline Construction	Certified Line Welder	\$75.64	5A	4D		View
Okanogan	Electricians - Powerline Construction	Groundperson	\$49.17	5A	4D		View
Okanogan	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$75.64	5A	4D		View
Okanogan	Electricians - Powerline Construction	Journey Level Lineperson	\$75.64	5A	4D		View
Okanogan	Electricians - Powerline Construction	Line Equipment Operator	\$64.54	5A	4D		View
Okanogan	Electricians - Powerline Construction	Meter Installer	\$49.17	5A	4D	8W	View
Okanogan	Electricians - Powerline Construction	Pole Sprayer	\$75.64	5A	4D		View
Okanogan	Electricians - Powerline Construction	Powderperson	\$56.49	5A	4D		View
Okanogan	Electronic Technicians	Electronic Technicians Journey Level	\$45.23	5B	1B		View
Okanogan	Elevator Constructors	Mechanic	\$97.31	7D	4A		View
Okanogan	Elevator Constructors	Mechanic In Charge	\$105.06	7D	4A		View
Okanogan	Fabricated Precast Concrete Products	Journey Level	\$13.50		1		View
Okanogan	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		1		View
Okanogan	Fence Erectors	Fence Erector	\$41.04	7B	1M	8Z	View
Okanogan	Fence Erectors	Fence Erector	\$41.04	7B	1M	8Z	View
Okanogan	Flaggers	Journey Level	\$38.94	7B	1M	8Z	View
Okanogan	Glaziers	Journey Level	\$31.59	7L	4L		View
Okanogan	Heat & Frost Insulators And Asbestos Workers	Journeyman	\$76.61	5J	4H		View
Okanogan	Heating Equipment Mechanics	Journey Level	\$56.61	6Z	1B		View
Okanogan	Hod Carriers & Mason Tenders	Journey Level	\$40.85	7B	1M	8Z	View
Okanogan	Industrial Power Vacuum	Journey Level	\$13.50		1		View

	Cleaner						
Okanogan	Inland Boatmen	Journey Level	\$13.50		<u>1</u>		View
Okanogan	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$14.11		<u>1</u>		View
Okanogan	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$13.50		<u>1</u>		View
Okanogan	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$17.71		<u>1</u>		View
Okanogan	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$14.21		<u>1</u>		View
Okanogan	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$17.71		<u>1</u>		View
Okanogan	Insulation Applicators	Journey Level	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Ironworkers	Journeyman	\$63.06	<u>7N</u>	<u>1Q</u>		View
Okanogan	Laborers	Air And Hydraulic Track Drill	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Asphalt Raker	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Asphalt Roller, Walking	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Brick Pavers	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Brush Hog Feeder	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Brush Machine	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Caisson Worker, Free Alr	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Carpenter Tender	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Cement Finisher Tender	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Cement Handler	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Chain Saw Operator & Faller	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Clean-up Laborer	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Compaction Equipment	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Concrete Crewman	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Concrete Saw, Walking	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Concrete Signalman	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Concrete Stack	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Confined Space Attendant	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Crusher Feeder	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Demolition	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Demolition Torch	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Dope Pot Fireman, Non-mechanical	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Driller Helper (when Required To Move & Position Machine)	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Drills With Dual Masts	\$41.86	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Dry Stack Walls	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Dumpman	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Erosion Control Laborer	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Final Detail Cleanup (i.e, Dusting, Vacuuming, Window	\$38.94	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View

		Cleaning; Not Construction Debris Cleanup)					
Okanogan	Laborers	Firewatch	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Form Cleaning Machine Feeder, Stacker	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Form Setter, Paving	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	General Laborer	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Grade Checker	\$43.57	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Grout Machine Header Tender	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Guard Rail	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Gunite	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Hazardous Waste Worker (level A)	\$41.86	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Hazardous Waste Worker (level B)	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Hazardous Waste Worker (level C)	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Hazardous Waste Worker (level D)	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Hdpe Or Similar Liner Installer	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	High Scaler	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Jackhammer Operator Miner, Class "b"	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Laser Beam Operator	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Miner, Class "a"	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Miner, Class "c"	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Miner, Class "d"	\$41.86	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Monitor Operator, Air Track Or Similar Mounting	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Mortar Mixer	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Nipper	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Nozzleman	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pavement Breaker, 90 Lbs. & Over	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pavement Breaker, Under 90 Lbs.	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pipelayer	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pipelayer, Corrugated Metal Culvert And Multi-plate.	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pipewrapper	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Plasterer Tenders	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Pot Tender	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Powderman	\$43.23	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Powderman Helper	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Power Buggy Operator	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Power Tool Operator, Gas, Electric, Pneumatic	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Railroad Equipment, Power	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View

		Driven, Except Dual Mobile					
Okanogan	Laborers	Railroad Power Spiker Or Puller, Dual Mobile	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Remote Equipment Operator	\$41.86	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Remote Equipment Operator (i.e Compaction And Demolition)	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Rigger/signal Person	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Riprap Person	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Rodder & Spreader	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Sandblast Tailhoseman	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Scaffold Erector, Wood Or Steel	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Stake Jumper	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Structural Mover	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Tailhoseman (water Nozzle)	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Timber Bucker & Faller (by Hand)	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Track Laborer (rr)	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Traffic Control Laborer	\$38.94	<u>7B</u>	<u>1M</u>	<u>9D</u>	View
Okanogan	Laborers	Traffic Control Supervisor	\$39.94	<u>7B</u>	<u>1M</u>	<u>9E</u>	View
Okanogan	Laborers	Trencher, Shawnee	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Trenchless Technology Technician	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Truck Loader	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Tugger Operator	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Vibrators, All	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Wagon Drills	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Water Pipe Liner	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Welder, Electrical, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$41.86	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Well-point Person	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers	Wheelbarrow, Power Driven	\$41.31	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers - Underground Sewer & Water	General Laborer & Topman	\$41.04	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Laborers - Underground Sewer & Water	Pipe Layer	\$41.58	<u>7B</u>	<u>1M</u>	<u>8Z</u>	View
Okanogan	Landscape Construction	Landscape Laborer	\$38.94	<u>7B</u>	<u>1M</u>	<u>9D</u>	View
Okanogan	Landscape Construction	Landscape Operator	\$66.05	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Landscape Maintenance	Groundskeeper	\$13.50		<u>1</u>		View
Okanogan	Lathers	Journey Level	\$47.37	<u>7E</u>	<u>4X</u>	<u>8N</u>	View
Okanogan	Marble Setters	Journey Level	\$50.44	<u>5A</u>	<u>1M</u>		View
Okanogan	Metal Fabrication (In Shop)	Fitter	\$13.50		<u>1</u>		View
Okanogan	Metal Fabrication (In Shop)	Laborer	\$13.50		<u>1</u>		View
Okanogan	Metal Fabrication (In Shop)	Machine Operator	\$13.50		<u>1</u>		View
Okanogan	Metal Fabrication (In Shop)	Painter	\$13.50		<u>1</u>		View
Okanogan	Metal Fabrication (In Shop)	Welder	\$13.50		<u>1</u>		View
Okanogan	Millwright	Journey Level	\$66.83	<u>7E</u>	<u>4X</u>	<u>8N</u>	View

Okanogan	Modular Buildings	Journey Level	\$13.50		1		View
Okanogan	Painters	Commercial Painter	\$36.87	<u>6Z</u>	<u>1W</u>		View
Okanogan	Painters	Industrial Painter	\$45.37	<u>6Z</u>	<u>1W</u>	<u>9D</u>	View
Okanogan	Pile Driver	Journey Level	\$62.69	<u>7A</u>	<u>4C</u>		View
Okanogan	Plasterers	Journey Level	\$42.88	<u>7K</u>	<u>1N</u>		View
Okanogan	Playground & Park Equipment Installers	Journey Level	\$13.50		1		View
Okanogan	Plumbers & Pipefitters	Journey Level	\$82.94	<u>6Z</u>	<u>1Q</u>		View
Okanogan	Power Equipment Operators	Asphalt Plant Operators	\$67.16	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Assistant Engineer	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Barrier Machine (zipper)	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Batch Plant Operator: concrete	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Bobcat	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Brooms	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Bump Cutter	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cableways	\$67.16	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Chipper	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Compressor	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Concrete Finish Machine - Laser Screed	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$66.05	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$67.16	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Conveyors	\$66.05	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes friction: 200 tons and over	\$69.20	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$67.84	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$66.57	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$68.53	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$69.20	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$67.16	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Okanogan	Power Equipment Operators	Cranes: A-frame - 10 Tons And	\$63.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View

		Under					
Okanogan	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Crusher	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Deck Engineer/Deck Winches (power)	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Derricks, On Building Work	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Dozers D-9 & Under	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Drilling Machine	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Gradechecker/Stakeman	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Guardrail Punch	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Horizontal/Directional Drill Locator	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Horizontal/Directional Drill Operator	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Hydralifts/Boom Trucks, 10 Tons And Under	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Loaders, Plant Feed	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Loaders: Elevating Type Belt	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Locomotives, All	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Material Transfer Device	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$67.84	7A	3K	8X	View

Okanogan	Power Equipment Operators	Motor Patrol Graders	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Pavement Breaker	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Posthole Digger, Mechanical	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Power Plant	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Pumps - Water	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Rigger and Bellman	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Rollagon	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Roller, Other Than Plant Mix	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Roto-mill, Roto-grinder	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Saws - Concrete	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Scrapers - Concrete & Carry All	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Service Engineers - Equipment	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Shotcrete/Gunite Equipment	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$67.16	7A	3K	8X	View

Okanogan	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators	Slipform Pavers	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Spreader, Toppersider & Screedman	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Subgrader Trimmer	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Tower Bucket Elevators	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$69.20	7A	3K	8X	View
Okanogan	Power Equipment Operators	Transporters, All Track Or Truck Type	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Trenching Machines	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Truck Crane Oiler/Driver Under 100 Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators	Truck Mount Portable Conveyor	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators	Welder	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators	Wheel Tractors, Farmall Type	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators	Yo Yo Pay Dozer	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Bobcat	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Brooms	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Cableways	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Chipper	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Compressor	\$63.17	7A	3K	8X	View

	Underground Sewer & Water						
Okanogan	Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - Laser Screed	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Conveyors	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes friction: 200 tons and over	\$69.20	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$69.20	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Crusher	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/Deck Winches (power)	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-	Finishing Machine, Bidwell And	\$66.57	7A	3K	8X	View

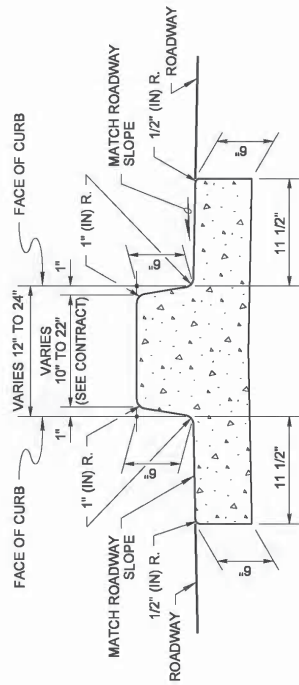
	Underground Sewer & Water	Gamaco & Similar Equipment					
Okanogan	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Gradechecker/Stakeman	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Locator	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Operator	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Hydralifts/Boom Trucks Over 10 Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Hydralifts/Boom Trucks, 10 Tons And Under	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$66.57	7A	3K	8X	View

Okanogan	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Power Plant	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Rollagon	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$67.16	7A	3K	8X	View

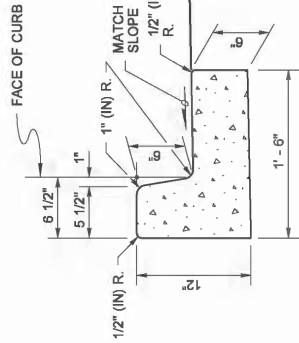
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	\$67.84	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$68.53	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	\$69.20	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver Under 100 Tons	\$66.05	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$66.57	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Welder	\$67.16	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$63.17	7A	3K	8X	View
Okanogan	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$66.57	7A	3K	8X	View
Okanogan	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$53.10	5A	4A		View
Okanogan	Power Line Clearance Tree Trimmers	Spray Person	\$50.40	5A	4A		View
Okanogan	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$53.10	5A	4A		View
Okanogan	Power Line Clearance Tree Trimmers	Tree Trimmer	\$47.48	5A	4A		View
Okanogan	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$36.10	5A	4A		View
Okanogan	Refrigeration & Air Conditioning Mechanics	Journey Level	\$82.94	6Z	1Q		View
Okanogan	Residential Brick Mason	Journey Level	\$50.44	5A	1M		View
Okanogan	Residential Carpenters	Journey Level	\$19.79		1		View
Okanogan	Residential Cement Masons	Journey Level	\$14.86		1		View

Okanogan	Residential Drywall Applicators	Journey Level	\$18.21		1		View
Okanogan	Residential Drywall Tapers	Journey Level	\$14.86		1		View
Okanogan	Residential Electricians	Journey Level	\$33.25		1		View
Okanogan	Residential Glaziers	Journey Level	\$18.29		1		View
Okanogan	Residential Insulation Applicators	Journey Level	\$14.70		1		View
Okanogan	Residential Laborers	Journey Level	\$14.21		1		View
Okanogan	Residential Marble Setters	Journey Level	\$50.44	5A	1M		View
Okanogan	Residential Painters	Journey Level	\$19.65		1		View
Okanogan	Residential Plumbers & Pipefitters	Journey Level	\$39.86	5A	1G		View
Okanogan	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$17.25		1		View
Okanogan	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$56.61	5I	1B		View
Okanogan	Residential Soft Floor Layers	Journey Level	\$17.63		1		View
Okanogan	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$13.50		1		View
Okanogan	Residential Stone Masons	Journey Level	\$50.44	5A	1M		View
Okanogan	Residential Terrazzo Workers	Journey Level	\$14.86		1		View
Okanogan	Residential Terrazzo/Tile Finishers	Journey Level	\$14.86		1		View
Okanogan	Residential Tile Setters	Journey Level	\$14.86		1		View
Okanogan	Roofers	Journey Level	\$41.09	5I	1R		View
Okanogan	Roofers	Using Irritable Bituminous Materials	\$43.09	5I	1R		View
Okanogan	Sheet Metal Workers	Journey Level (Field or Shop)	\$56.61	6Z	1B		View
Okanogan	Sign Makers & Installers (Electrical)	Journey Level	\$75.25	7F	1E		View
Okanogan	Sign Makers & Installers (Non-Electrical)	Journey Level	\$16.14		1		View
Okanogan	Soft Floor Layers	Journey Level	\$51.07	5A	3J		View
Okanogan	Solar Controls For Windows	Journey Level	\$13.50		1		View
Okanogan	Sprinkler Fitters (Fire Protection)	Journey Level	\$58.99	7J	1R		View
Okanogan	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.50		1		View
Okanogan	Stone Masons	Journey Level	\$50.44	5A	1M		View
Okanogan	Street And Parking Lot Sweeper Workers	Journey Level	\$13.50		1		View
Okanogan	Surveyors	Assistant Construction Site Surveyor	\$66.05	7A	3K	8X	View
Okanogan	Surveyors	Chainman	\$63.17	7A	3K	8X	View
Okanogan	Surveyors	Construction Site Surveyor	\$67.16	7A	3K	8X	View
Okanogan	Telecommunication Technicians	Telecom Technician Journey Level	\$45.23	5B	1B		View
Okanogan	Telephone Line Construction - Outside	Cable Splicer	\$41.81	5A	2B		View
Okanogan	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$23.53	5A	2B		View

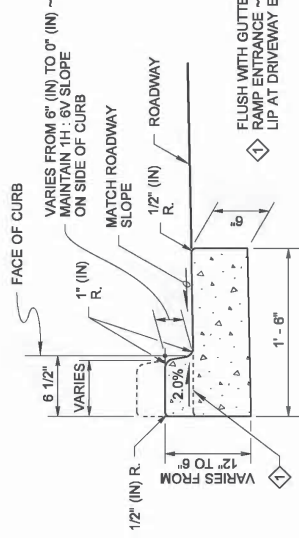
Okanogan	Telephone Line Construction - Outside	Installer (Repairer)	\$40.09	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Special Aparatus Installer I	\$41.81	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Special Apparatus Installer II	\$40.99	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$41.81	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$38.92	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Telephone Lineperson	\$38.92	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Television Groundperson	\$22.32	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Television Lineperson/Installer	\$29.60	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Television System Technician	\$35.20	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Television Technician	\$31.67	<u>5A</u>	<u>2B</u>		View
Okanogan	Telephone Line Construction - Outside	Tree Trimmer	\$38.92	<u>5A</u>	<u>2B</u>		View
Okanogan	Terrazzo Workers	Journey Level	\$43.61	<u>5A</u>	<u>1M</u>		View
Okanogan	Tile Setters	Journey Level	\$43.61	<u>5A</u>	<u>1M</u>		View
Okanogan	Tile, Marble & Terrazzo Finishers	Journey Level	\$35.73	<u>5A</u>	<u>1M</u>		View
Okanogan	Traffic Control Stripers	Journey Level	\$47.68	<u>7A</u>	<u>1K</u>		View
Okanogan	Truck Drivers	Asphalt Mix Over 20 Yards	\$46.42	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers	Asphalt Mix To 20 Yards	\$46.05	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers	Dump Truck	\$46.05	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers	Dump Truck & Trailer	\$46.42	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers	Other Trucks	\$45.94	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers - Ready Mix	Transit Mixers 20 yards and under	\$46.42	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Truck Drivers - Ready Mix	Transit Mixers over 20 yards	\$46.75	<u>5D</u>	<u>1V</u>	<u>8M</u>	View
Okanogan	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$13.50		<u>1</u>		View
Okanogan	Well Drillers & Irrigation Pump Installers	Oiler	\$13.50		<u>1</u>		View
Okanogan	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		<u>1</u>		View



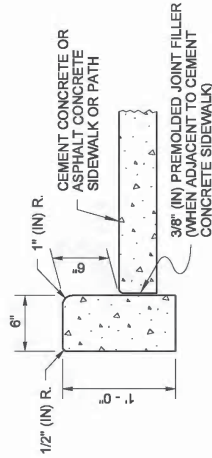
DUAL-FACED CEMENT CONCRETE TRAFFIC CURB AND GUTTER



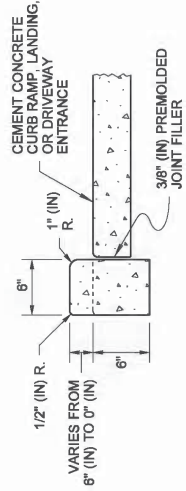
CEMENT CONCRETE TRAFFIC CURB AND GUTTER



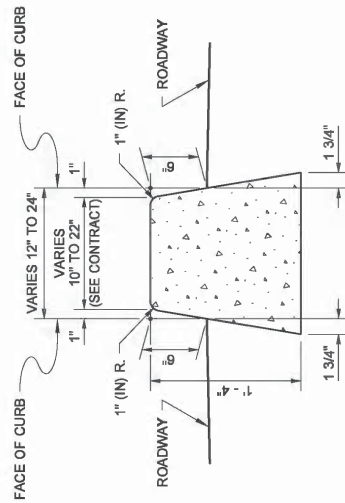
DEPRESSED CURB SECTION AT CURB RAMPS AND DRIVEWAY ENTRANCES



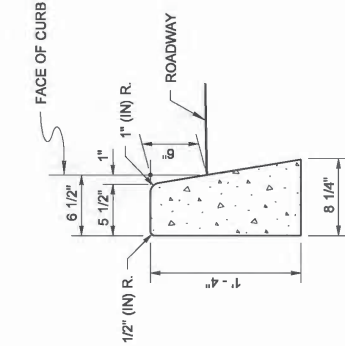
CEMENT CONCRETE PEDESTRIAN CURB



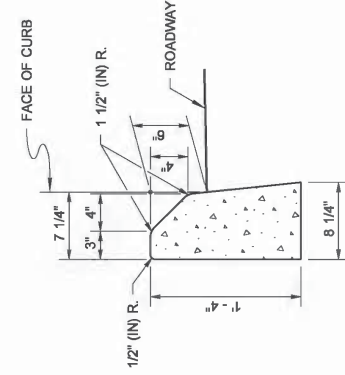
CEMENT CONCRETE PEDESTRIAN CURB AT CURB RAMPS, LANDINGS, AND DRIVEWAY ENTRANCES



DUAL-FACED CEMENT CONCRETE TRAFFIC CURB



CEMENT CONCRETE TRAFFIC CURB



MOUNTABLE CEMENT CONCRETE TRAFFIC CURB

DRAWN BY: FERN LIDDELL

NOTE

1. See Standard Plan F-30.10 for Curb Expansion and Contraction Joint spacing and see Standard Specification Sections 8-04 and 9-04 for additional requirements.



Barry, Ed
May 6 2014 3:31 PM

Ed Barry

CEMENT CONCRETE CURBS

STANDARD PLAN F-10.12-03

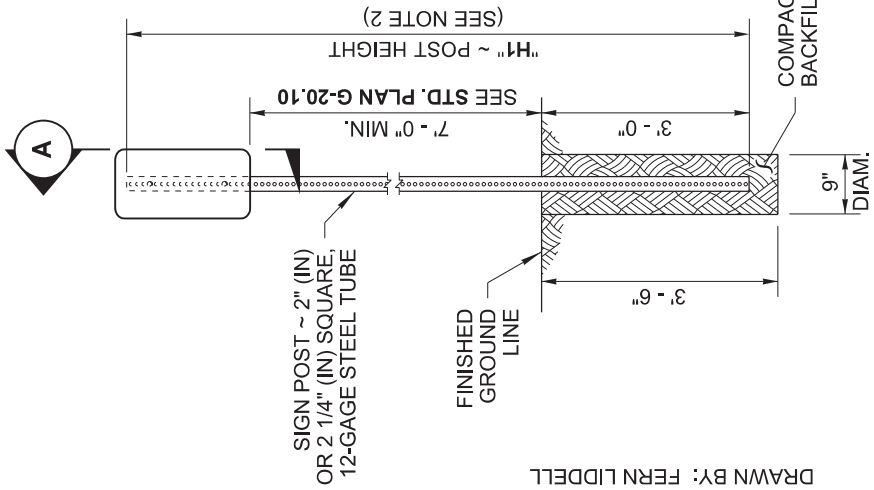
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Barry, Ed
Jun 11 2014 1:25 PM

Ed Barry

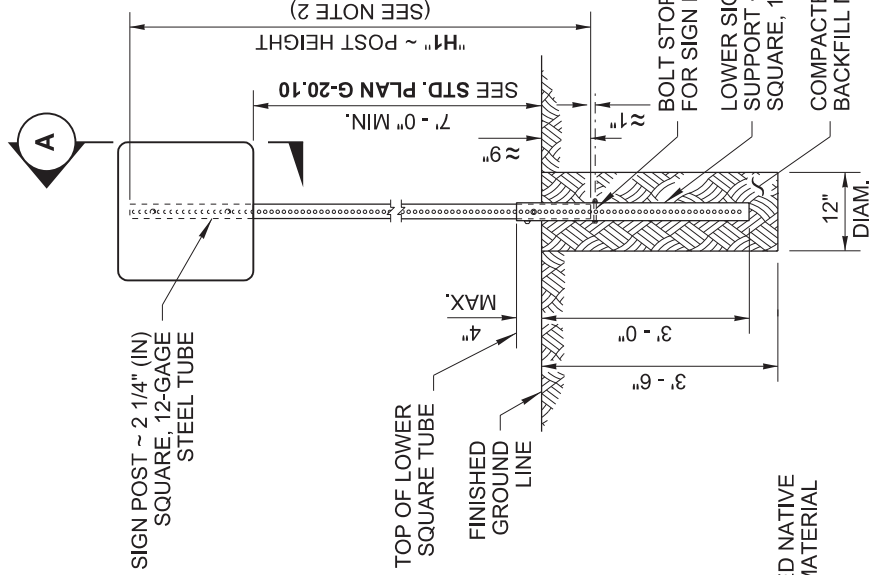
STATE DESIGN ENGINEER

Washington State Department of Transportation



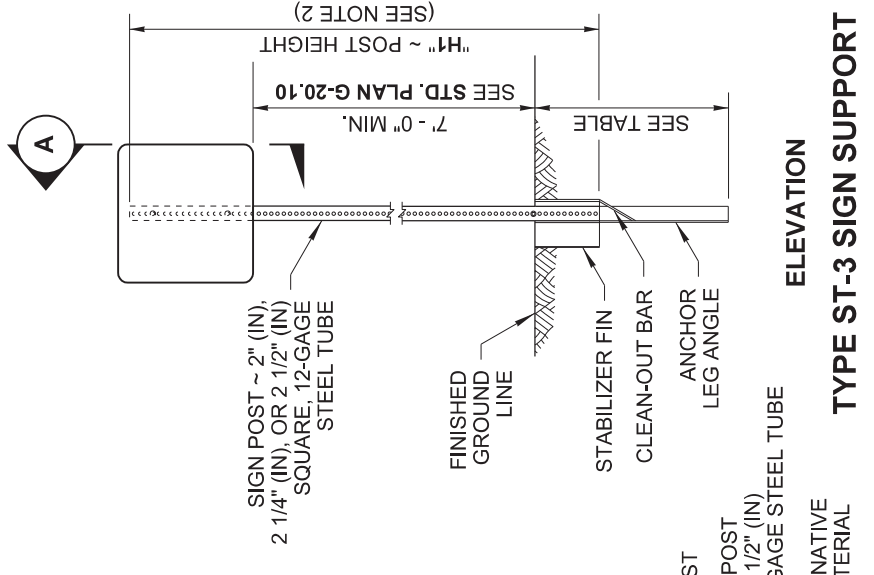
ELEVATION

TYPE ST-1 SIGN SUPPORT



ELEVATION

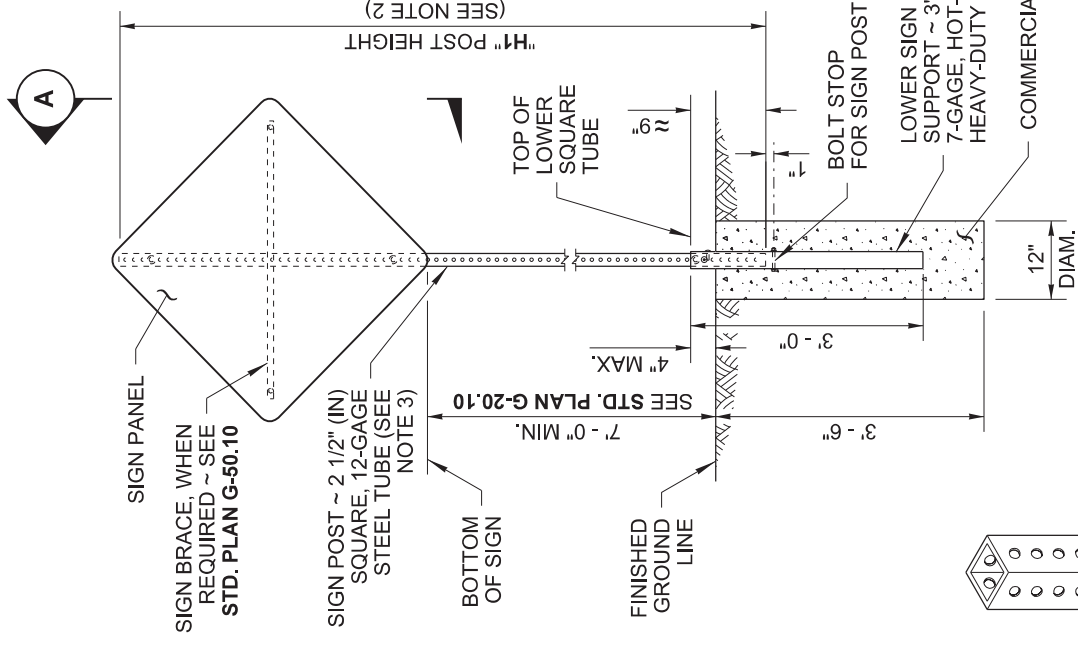
TYPE ST-2 SIGN SUPPORT



ELEVATION

TYPE ST-3 SIGN SUPPORT

BURIED DEPTH	POST SIZE
2' - 6"	2", 2 1/4"
3' - 0"	2 1/2"



ELEVATION

TYPE ST-4 SIGN SUPPORT

NOTES

- Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented, manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are shown on this plan only to illustrate how the parts are assembled.
- For "H1", refer to the Sign Specification Sheet in the Contract.
- A 2" (in) post with a 2 1/4" (in) PSST anchor or a 2 1/4" (in) post with a 2 1/2" (in) PSST anchor may be substituted. See Contract Plans.
- Perforated square steel post shall meet the requirements of **Standard Specification, Section 9-06**.
- Use only base connection manufacturer supplied hardware that meets the requirements of **Standard Specification, Sections 9-06 and 9-28**.

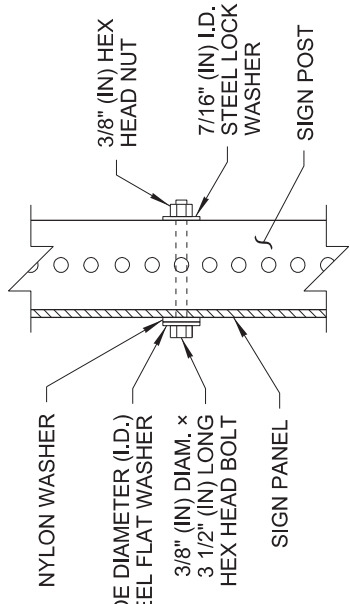
1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented, manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are shown on this plan only to illustrate how the parts are assembled.

2. For "H1", refer to the Sign Specification Sheet in the Contract.

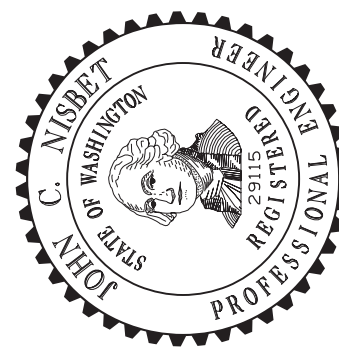
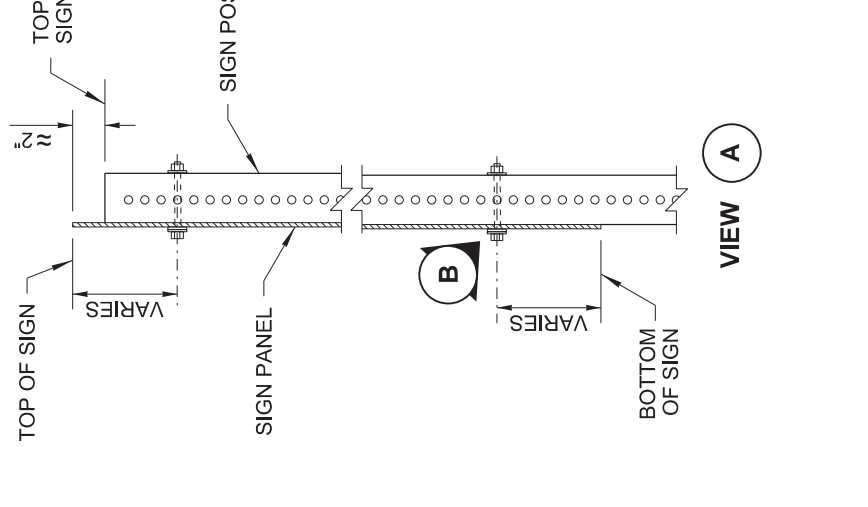
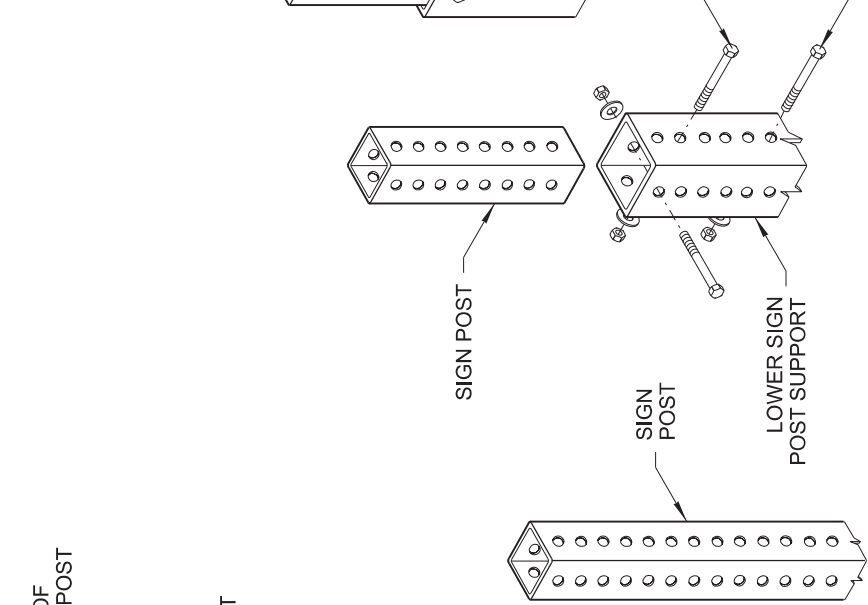
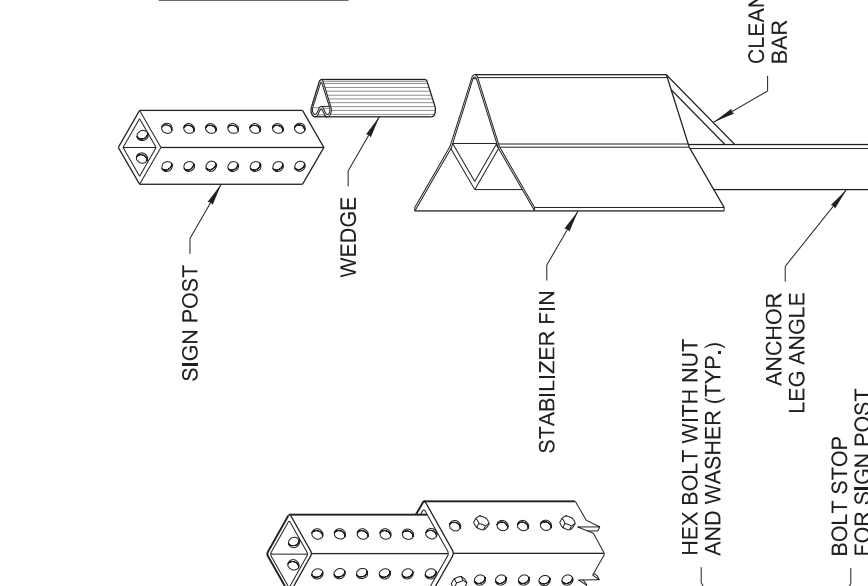
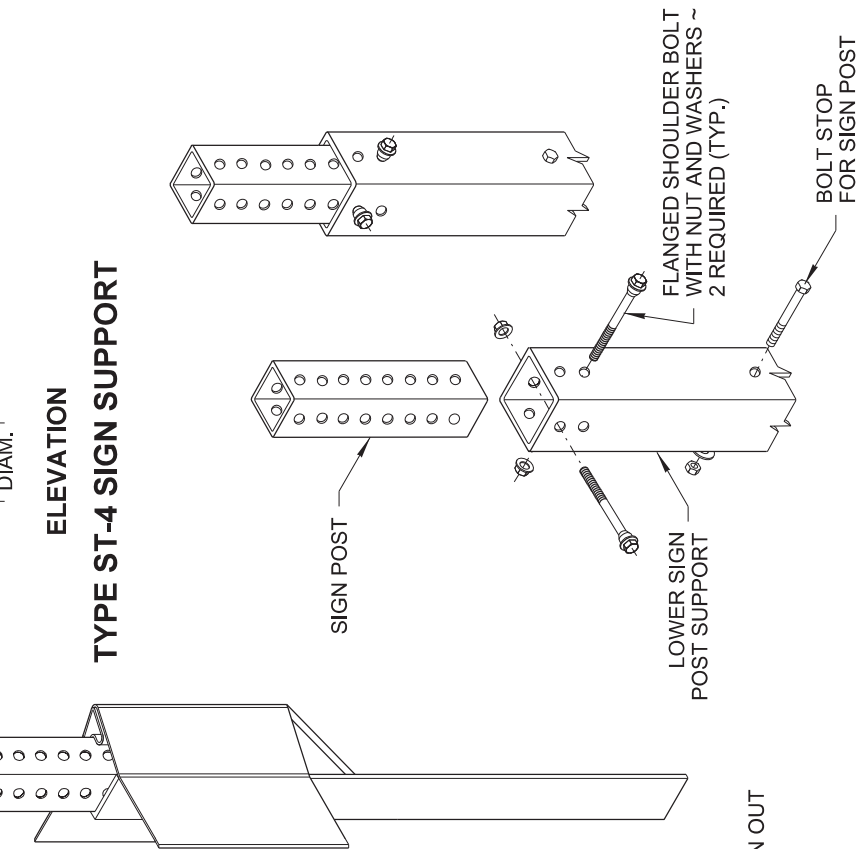
3. A 2" (in) post with a 2 1/4" (in) PSST anchor or a 2 1/4" (in) post with a 2 1/2" (in) PSST anchor may be substituted. See Contract Plans.

4. Perforated square steel post shall meet the requirements of **Standard Specification, Section 9-06**.

5. Use only base connection manufacturer supplied hardware that meets the requirements of **Standard Specification, Sections 9-06 and 9-28**.



DETAIL B



Nisbet, John
Aug 5 2019 1:46 PM
cbsgn

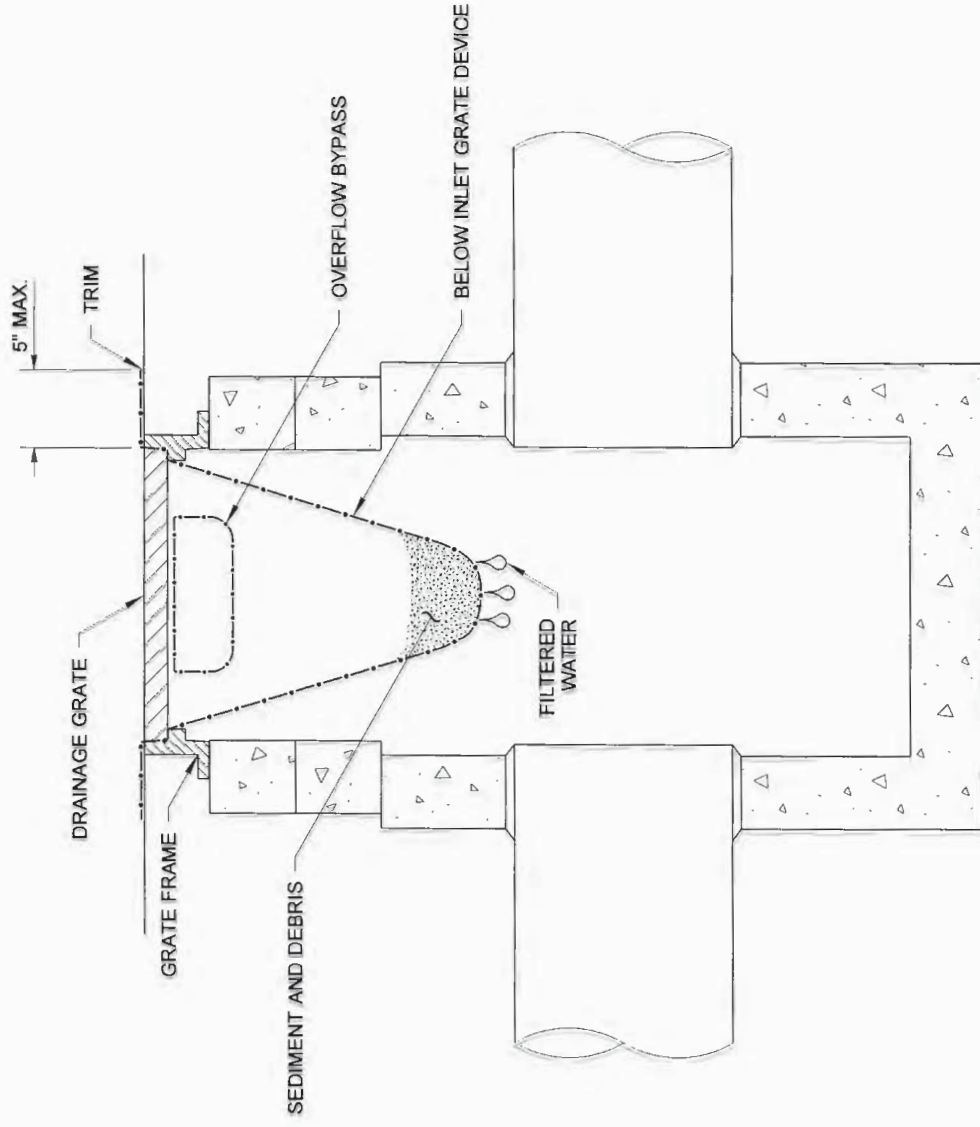
**STEEL SIGN SUPPORT
TYPES ST-1 - ST-4
INSTALLATION DETAILS
STANDARD PLAN G-24.50-05**

SHEET 1 OF 1 SHEET

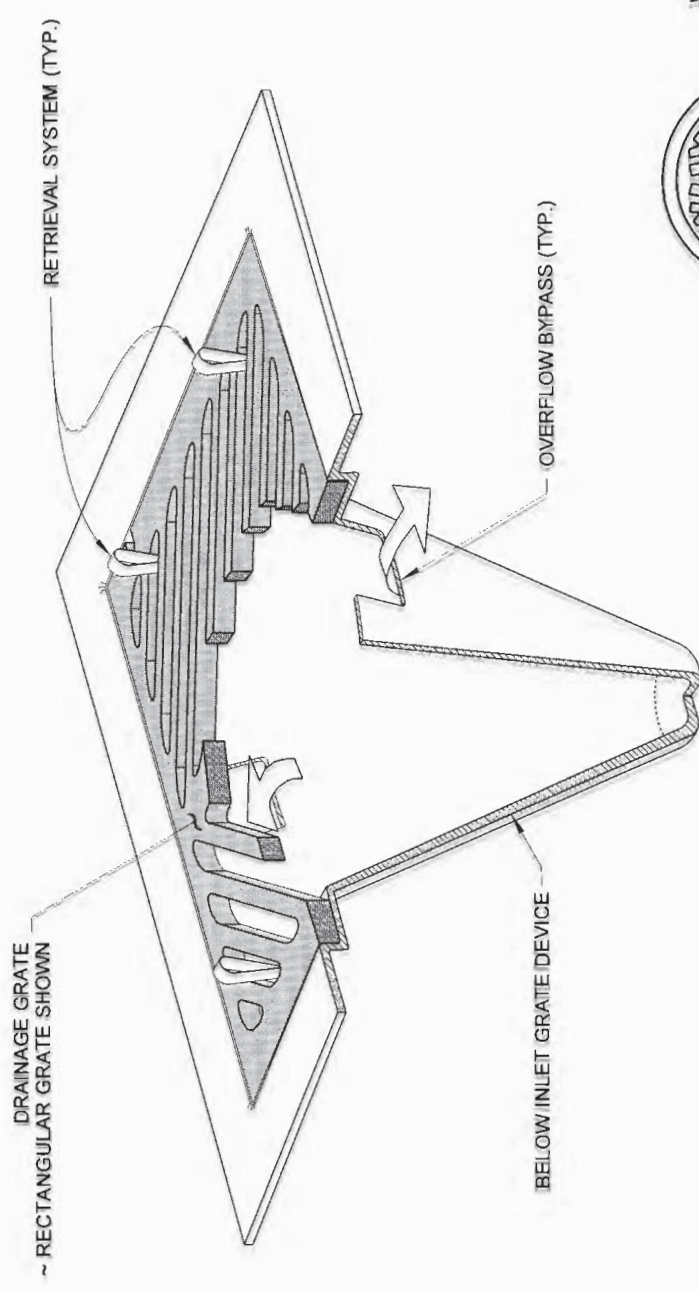
APPROVED FOR PUBLICATION
Rourke, Steve
Aug 7 2019 11:54 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTES

1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance with Standard Specification 8-01.3(15).



SECTION VIEW
NOT TO SCALE



ISOMETRIC VIEW



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
Mark W. Maurer
MARK W. MAURER
CERTIFICATE NO. 000598
9/20/07

**STORM DRAIN
INLET PROTECTION
STANDARD PLAN I-40.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
James B. ...
STATE DESIGN ENGINEER
DATE 9/20/07
Washington State Department of Transportation

