

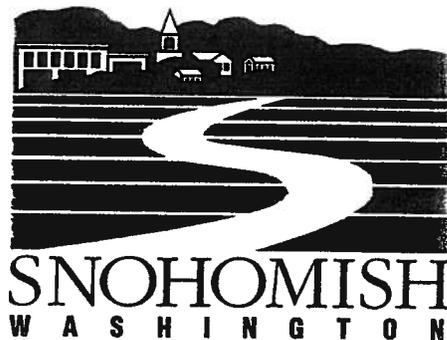
Contract Documents
for

MAPLE AVENUE OVERLAY PROJECT

A Federal Aid Project

Federal Aid Number STPUL-2635(001)

June 2015



City of Snohomish
Department of Public Works
116 Union Avenue
Snohomish, WA 98290





**CITY OF SNOHOMISH
BID ADVERTISEMENT**

NOTICE IS HEREBY GIVEN, that sealed bids shall be received and recorded by the City Clerk at City Hall, 116 Union Avenue, Snohomish, 98290, until **2:00 p.m. on July 15, 2015**, and then publicly opened and read aloud.

The project includes construction of improvements to Maple Avenue from Pine Avenue to the northern city limits, including grinding, hot mix asphalt, curb, gutter, sidewalk, striping, signing, temporary erosion and sedimentation control, temporary traffic control, roadway surveying, and other work necessary to complete the project as shown on the drawings and specified in these contract provisions in the City of Snohomish, Snohomish County, Washington.

The project is labeled as City of Snohomish Maple Avenue Overlay Project.

Plans, specifications, addenda, and a plan holders list for this project are available on-line through Builders Exchange of Washington, Inc at <http://www.bxwa.com>; 2607 Wetmore Avenue, Everett, WA 98201-2929, (425) 258-1303, Fax (425) 259-3832. To access the project, click on: "Posted Projects," "Public Works," "City of Snohomish," and "Projects Bidding." Note: Bidders are encouraged to "Register as a Bidder" in order to receive automatic email notifications of future addenda and to be placed on the "Bidder's List." Contact Builder's Exchange of Washington at (425) 258-1303 should you require further assistance. Informational copies of any available maps, plans and specifications are on file for inspection in the office of the Snohomish Public Works Engineering Department, (360) 282-3174.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in an amount equal to 5 percent of the grand total amount of such bid proposal. NO BID SHALL BE CONSIDERED UNLESS ACCOMPANIED BY SUCH BID PROPOSAL DEPOSIT. If the successful bidder does not enter into a contract and file a performance and payment bond and the required insurance certificates with the City of Snohomish within 10 working days after Notice of Award of Bid, the amount of the bid deposit shall be forfeited to the City of Snohomish. Except for the three lowest responsible bidders, unsuccessful bidders' deposits will be returned as soon as the bid prices have been compared. Upon the City's execution of contract documents or rejection of all bids, the remaining (lowest) three will be returned.

The City of Snohomish in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 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 as defined at 49 CFR Part 26 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, national origin, or sex in consideration for an award.

A 100 percent Contractor's Performance and Payment Bond is required. The bond must be delivered to the Snohomish City Clerk within 10 working days after notification of the award to the successful bidder. The Bond must be approved by City officials before the contract award is final.

A contract is required and must be executed and returned to the City of Snohomish within 10 working days after notification of award. Approval of the contract by City officials is required before the contract award is final.

A certificate of liability insurance with \$1,000,000 single event and \$3,000,000 aggregate limits for this project must be furnished to the City of Snohomish within ten (10) working days after Notice of Award of Bid. This insurance certificate shall also specifically name the City of Snohomish as an additional insured. The successful bidder may not commence work under this contract until all required insurance coverage has been approved by the City.

The City of Snohomish reserves the right to reject any or all bids and to waive irregularities or informalities in the bid or in the opening.

Bidders may not withdraw bids after the hour set for the opening thereof or before award of contract unless said award is delayed for a period exceeding 60 calendar days.

The bidder further agrees to begin Work within 7 calendar days after Notice to Proceed has been issued by the City of Snohomish. The Contractor shall complete the project in accordance with Special Provision Section 1-08.5. In accordance with Section 1-08.9 of the Standard Specifications, payment of liquidated damages by the Contractor to the City will be the amount specified in the Contract if the construction work is not physically completed within the allotted working days.

Dated this 15th day of June, 2015.

Publish: June 24, 2015
July 01, 2015
DJC, Herald

City of Snohomish, Washington

By: Torchie Corey Torchie Corey, City Clerk

INFORMATION FOR BIDDERS

BIDS will be received by the CITY OF SNOHOMISH (herein called the "OWNER") at the time and location set forth in the Call for Bids herein before and then at said office publicly opened and read aloud.

Each BID must be submitted in a sealed envelope addressed to the CITY OF SNOHOMISH, 116 Union Ave., Snohomish, WA, 98290. Each sealed envelope containing a BID must be plainly marked on the outside as "**BID for City of Snohomish Maple Avenue Overlay Project.**" The envelope should bear on the outside the name of the BIDDER, their address, their license number if applicable, and the name of the project for which the BID is submitted. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the OWNER at the above address.

All BIDS must be made on the required PROPOSAL FORM. All blank spaces for BID prices must be filled in, in ink or typewritten, and the PROPOSAL FORM must be fully completed and executed when submitted. Only one copy of the PROPOSAL FORM is required.

The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within sixty (60) days after the actual date of the opening thereof.

Before submitting its proposal, the BIDDER shall examine the site of the Work and review the drawings and specifications including ADDENDA and ascertain for themselves the Work required and all of the physical conditions in relation thereto. Failure to take this precaution will not release the successful BIDDER from entering into contracts nor excuse the BIDDER from performing the Work in strict accordance with the terms of the contract. No verbal statement made by any officer, agent, or employee of the OWNER, in relation to the physical conditions pertaining to the site of the Work, will be binding on the OWNER during the gathering of information for proposal preparation by each BIDDER. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the contract.

Each BID must be accompanied by a BID deposit payable to the OWNER for 5 percent of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the deposits of all except the three lowest responsible BIDDERS. When the Agreement is executed, the deposits of the remaining unsuccessful BIDDERS will be returned.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance and payment bond within ten calendar days after the date on the NOTICE OF AWARD. The performance and payment bond in the amount of 100 percent of the CONTRACT PRICE, with a corporate surety approved by the OWNER, will be required for the faithful performance of the contract. The NOTICE OF AWARD shall be accompanied by the necessary Agreement and bond forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may at his option consider the BIDDER in default; in which case the BID deposit accompanying the bid shall become the property of the OWNER.

The OWNER, within 10 days of receipt of acceptable bond and Agreement signed by the party to whom the Agreement was awarded, shall sign the Agreement within such period.

CONTRACTOR shall not commence Work until a NOTICE TO PROCEED has been issued by the OWNER.

The OWNER may make such investigations as he deems necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER, in the OWNER'S discretion, that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein.

A conditional or qualified BID will not be accepted.

Award will be made as a whole to one BIDDER.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout.

Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his BID.

The low BIDDER must supply the names and addresses of major material suppliers and subcontractors when requested to do so by the OWNER.

Questions can be directed to the City's Project Manager, Andrew M. Sics, P.E. at (360) 282-3174.

CITY OF SNOHOMISH - BID PROPOSAL

TO: City of Snohomish
Attn: City Clerk
116 Union Avenue
Snohomish, WA 98290

The bidder declares that he or she has carefully examined the contract documents for the project; that he or she has personally visited the sites; that he or she has satisfied himself or herself as to the quantities of work involved, including materials and the equipment and conditions of work involved, and including the fact that the description of the quantities of work and materials as included herein, is brief and intended only to indicate the general nature of the Work and to identify the said quantities with the detailed requirements of the contract documents and that this proposal is made according to the contract documents, which are hereby made a part of this proposal.

The bidder declares that he or she has exercised his or her own judgment regarding the interpretations of the specifications contained within the construction documents and has utilized all data that he or she believes pertinent in arriving at his or her conclusions.

The bidder agrees to hold his or her bid proposal open for 60 days after the receipt of bids by the City.

The bidder agrees that if this proposal is accepted, he or she will, within 10 working days after notification of acceptance, execute a contract in the form included in the construction documents with the City of Snohomish, and will, prior to the time of execution of the contract, deliver to the City of Snohomish a performance and payment bond and a Certificate of Insurance and as required therein, and will, furnish all machinery, tools, apparatus, and other means of construction, and do the Work in the manner, in the time, and according to the methods specified in the contract documents.

The bidder further agrees, if awarded the contract, to begin work within 7 calendar days after the date of Notice to Proceed and to complete the construction as described in Section 1-08.5 in the Special Provisions included herein.

In the event the bidder is awarded the contract and shall fail to complete the Work within the time limit or extended time limit agreed upon as more particularly set forth in the contract documents, liquidated damages shall be paid to the owner per the specifications contained in the contract documents.

The bidder proposes to accept as full payment for the work proposed herein the amount computed under the provisions of the contract documents. This amount shall be based on actual quantities of material placed and work performed. Bidder agrees that the unit prices represent a true measure of the labor and material required to perform the Work, including all allowances for overhead and profit for each type of work called for in these contract documents.

BID PROPOSAL
CITY OF SNOHOMISH, WASHINGTON
City of Snohomish Maple Avenue Overlay Project

Note: Unit prices for all items, all extensions, and the total amount bid must be shown. Where conflict occurs between the unit price and the total amount named for any item the unit price shall prevail, and totals shall be corrected to conform thereto. All entries must be typed or entered in ink.

BID SCHEDULE A

ITEM NO.	SPEC SECTION	ITEM DESCRIPTION	UNITS	PLAN QUANTITY	UNIT PRICE (Figures)	TOTAL AMOUNT (Figures)
1	1-09.7	Mobilization	LS	1		
2	1-05.4	Roadway Surveying	LS	1		
3	1.07.15(1)	SPCC Plan	LS	1		
4	1-07.16	Protection and Restoration of Property	EST	1	\$2,500.00	\$2,500.00
5	1-09.6	Force Account for Unanticipated Work	EST	1	\$5,000.00	\$5,000.00
6	1-10.5	Project Temporary Traffic Control	LS	1		
7	5-04.5	HMA Cl. 1/2 in. PG 64-22	TON	2,000		
8	5-04.5	Planing Bituminous Pavement	SY	17,000		
9	7-05.5	Adjust Manhole	EA	19		
10	7-05.5	Adjust Catch Basin	EA	28		
11	7-12.5	Adjust Water Valve	EA	14		
12	8-01.5	Erosion/Water Pollution Control	EST	1	\$2,500.00	\$2,500.00
13	8-04.5	Cement Conc. Pedestrian Curb	LF	240		
14	8-04.5	Cement Conc. Traffic Curb and Gutter	LF	400		
15	8-04.5	Extruded Curb	LF	205		
16	8-04.5	Cement Conc. Depressed Curb	LF	50		
17	8-13.5	Adjust Survey Monument	EA	12		
18	8-14.5	Cement Concrete Sidewalk	SY	185		
19	8-14.5	Cement Conc. Curb Ramp Type Parallel A	EA	10		
20	8-14.5	Cement Conc. Curb Ramp Type Perpendicular A	EA	2		
21	8-21.5	Permanent Signing	LS	1		

ITEM NO.	SPEC SECTION	ITEM DESCRIPTION	UNITS	PLAN QUANTITY	UNIT PRICE (Figures)	TOTAL AMOUNT (Figures)
22	8-22.5	Paint Line	LF	7,240		
23	8-22.5	Plastic Stop Line	LF	165		
24	8-22.5	Plastic Crosswalk Line	SF	785		
25	8-22.5	Plastic Traffic Arrow	EA	1		
Bid Schedule A				Total: \$		

BID SCHEDULE B – NON FHWA PARTICIPATION

1	1-03.4	Contract Bond Extension	LS	1		
Bid Schedule B				Total: \$		

Bid Schedule A:
 Bid Schedule B:

Total Bid:

The City will amend the contract based on the bidder's total combined bid for Schedules A and B.

BID PROPOSAL SIGNATURE SHEET

The undersigned bids for complete construction of the following project: City of Snohomish Maple Avenue Overlay Project as described in the contract documents. The bidder proposes to accept as full payment for the work proposed herein, the amount computed under the provisions of the contract documents.

NOTE: The City reserves the right to accept or reject any and all bids as determined by the City.

**TOTAL:
Base Bid**

Total (including tax) \$ _____

Contractor

Signature

Address

Name & Title (Printed)

Phone & Fax Number

Date of Signing

Washington State Contractor's
Registration Number

Indicate whether contractor is partnership,
corporation, or sole proprietorship

*** Receipt is hereby acknowledged of addenda No. (s) _____, _____.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check or surety bond in an amount equal to 5 percent of the amount of the highest of schedule 1 only or schedule 2 only of such bid proposal. **NO BID SHALL BE CONSIDERED UNLESS ACCOMPANIED BY SUCH BID PROPOSAL DEPOSIT.**

Bid proposal to be submitted in a sealed envelope marked "BID ENCLOSED for City of Snohomish Maple Avenue Overlay Project."

BID PROPOSAL FORM (continued)

WASHINGTON STATE SALES TAX

The Work on this contract is to be performed upon lands whose ownership obligates the Contractor to pay sales tax. The provisions of Section 1-07.2(1) apply.

COMPLETION TIME AND LIQUIDATED DAMAGES

It is understood and agreed that all work required to complete this Project and achieve the implied intent of the Plans and Specifications, shall be completed within **20 working days** as described in Section 1-08.5 in the Special Provisions included herein.

It is further understood and agreed that the Owner may deduct liquidated damages from payments due or to become due the Contractor in the amount set forth in Section 1-08.9, Liquid Damages, for each working day in beyond the time allowed in the contract, as stipulated in the paragraph above, unless specified otherwise. Such deductions may be made for any delays, which cannot reasonably be shown to be beyond the Contractor's control.

The liquidated damages do not include and are in addition to damages from costs for engineering, administrative, and other costs incurred beyond contract completion date. The cost of additional office and field engineering, construction surveillance, and other costs beyond contract completion date shall be billed the contractor at standard billing rates for said services then in effect.

NONCOLLUSION DECLARATION

The undersigned, being duly sworn, deposes and says that the Bid submitted herewith is a genuine and not a collusive or sham bid or made in the interest or on behalf of any person herein named and that the person, firm, association, joint venture, co-partnership, or corporation herein named, has 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 the preparation and submission of a bid for consideration in the award of a contract for the improvement described on the first page of this Proposal Form.

PREVAILING WAGES

The prevailing rate of wages shall be paid to all workers, laborer, or mechanics per Chapter 39:12 RCW. (See 2014 WSDOT Standard Specifications).

BID PROPOSAL FORM (continued)

BID DEPOSIT

A Bid Deposit in an amount of 5 percent of the Total Bid Amount(s) based upon the Lump Sum or Bid Schedule approximate quantities at the unit prices including applicable taxes and in the form indicated on the following pages.

Cash _____ IN THE AMOUNT OF \$ _____

Cashier's Check _____ \$ _____

Certified Check _____ \$ _____ Payable to the Owner

Bid Bond _____ IN THE AMOUNT OF 5% OF THE AMOUNT BID

SURETY

If the Bidder is awarded a construction contract on this Bid, the Surety who provides the Contract Bond will be _____

Whose address is _____

Street

City

State

Zip Code

BIDDER INFORMATION AND SIGNATURE

The party by whom this bid is submitted and by whom the contract will be entered into, in case the award is made to him, is _____

Firm Name

Corporation/Partnership/Individual
(Delete Two)

doing business at _____

Address

City/State

which is the address to which all communications concerned with this bid and contract should be sent.

The name of the president, treasurer, and manager of the bidding corporation, or the names of all persons and parties interested in this bid as partners or principals are as follows:

Name/Title

Address

_____	_____
_____	_____
_____	_____
_____	_____

BID PROPOSAL FORM (continued)

IN WITNESS hereto, the undersigned agrees to the conditions of the BID, certifies that this BID has not been restricted, modified or conditioned, acknowledges receipt of addenda ____ to ____, attests to the absence of collusion in the Non-Collusion Affidavit below, and agrees to be bound by its provisions, certifies and agrees concerning non-segregated facilities in the Non-Segregated facilities statement below, covenants, stipulates and agrees in accordance with the Anti-Discrimination Certification below, declares, accepts and understands in accordance with the Bidder's Declaration and Understanding below, agrees as to prevailing wages as below, agrees as to Washington State Sales tax as above, understands and agrees as to the completion of time and liquidated damages as below, and with the full authority of the firm or other business entity submitting this BID has set his hand this _____ day of _____ 2015.

If Sole Proprietor or Partnership

Signature of Bidder

Title

If Corporation

Attest:

Secretary

Name of Corporation
By _____
Title _____

Sworn to before me this _____ day of _____, _____.

Notary Public in and for the State of Washington residing at _____

- NOTE:
1. If the Bidder is a co-partnership, so state, giving the Name under which business is transacted.
 2. If the Bidder is a corporation, this Proposal must be Executed by the duly authorized officials and notarized.

DEPOSIT OF BID BOND FORM

DEPOSIT STATEMENT

Herewith find deposit in the form of certified check, cashier's check or cash in the amount of \$ _____, which amount is not less than 5 percent of the total bid.

SIGN HERE _____

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.

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held firmly bound unto the _____, Washington, as Oblige, in the penal sum of _____ Dollars, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Oblige shall make any award to the Principal for _____, Washington, according to the terms of the bid made by the Principal therefore, the Principal shall duly make and enter into a contract with the Oblige in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by the Oblige, or if the Principal shall, in case of failure to so do, pay and forfeit to the Oblige the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect, and the Surety shall forthwith pay and forfeit to the Oblige, as penalty and liquidated damages, the amount of this bond.

SIGNED, SEALED, AND DATED THIS _____ DAY OF _____, _____.

Principal

Surety

Received return of deposit in the sum of \$ _____

City of Snohomish Maple Avenue Overlay Project

SURPLUS MATERIAL DISPOSAL AND/OR REMOVAL

TYPE OF MATERIAL TO BE REMOVED FROM SITE	LOCATION OF STORAGE AND/OR DISPOSAL SITE (include name and phone number of owner and address of site)	PROPOSED METHOD OF DISPOSAL AND/OR REUSE

Note: Please refer to "Disposal of Surplus Material" in Section 2-03.3(7)C of the Special Provisions.

If a disposal site is rejected, the Contractor is responsible for locating a new disposal site that will meet the Owner's criteria. Any associated costs incurred in finding a new or different disposal and/or storage site will be the responsibility of the Contractor, and at no additional cost to the Owner.

CONTRACT

THIS AGREEMENT, made in 3 copies, each of which shall be deemed original, and entered into as of the date hereinafter affixed, by and between the CITY OF SNOHOMISH, hereinafter called the Owner, and _____, HEREINAFTER called the Contractor,

WITNESSETH:

That in consideration of the terms and conditions contained herein and attached and made a part of this Agreement, the parties hereto covenant and agree as follows:

I. The Contractor shall do all work and furnish all labor, tools, materials and equipment for the construction of the **Maple Avenue Overlay Project** in accordance with and as described in the attached plans and specifications, including any Addenda which are by this reference incorporated herein and made a part hereof, and shall perform any alterations in or additions to the work provided under this contract and every part thereof.

If said work is not completed within the time specified, the Contractor agrees to pay to the Owner the sum set forth in Section 1-08.9 for each and every calendar day said work remains uncompleted after expiration of the specified time, as liquidated damages. The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof and shall guarantee said materials and work for a period of one year after completion of this contract, except such as are mentioned in the specifications to be furnished by CITY OF SNOHOMISH.

II. CITY OF SNOHOMISH hereby promises and agrees with the Contractor to employ and does employ the Contractor to provide the materials and to do and cause to be done the above-described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained and hereby contracts to pay for the same according to the attached specifications and the schedule of prices bid and hereto attached, at the time and in the manner and upon the conditions provided for in this contract.

III. The Contractor for himself and for his heirs, executors, administrators, successors and assigns does hereby agree to the full performance of all covenants herein contained upon the part of the Contractor.

IV. It is further provided that no liability shall attach to CITY OF SNOHOMISH by reason of entering into this contract, except as expressly provided herein.

V. The Contract Documents, which comprise the entire agreement between the Owner and the Contractor concerning the Work, consist of:

1. This Contract;
2. All documents included in the package provided to bidders responding to the Bid Advertisement, including all component parts and appendices, including but not limited to Special Provisions, Amendments to the WSDOT Standard Specifications for Road, Bridge and Municipal Construction, 2014 edition, Federal Requirements, and all Appendices;
3. The Contractor's Proposal including the bid, bid schedule(s), information required of Bidder, and all required certificates and affidavits;
4. The Performance Bond and the Labor and Material Payment Bond;
5. Any Addenda, if applicable (list by number or indicate if not applicable: _____);
6. WSDOT Standard Specifications for Road, Bridge and Municipal Construction, 2014 edition;
7. Change Orders and written Change Directives issued after the effective date of this Agreement; and
8. The Plans (or drawings).

There are no Contract Documents other than those listed in this Article V. The Contract Documents may be amended only in writing by Addendum, Change Order or Change Directive as provided in the Contract Documents. - -

Countersigned:

This _____ day of _____, _____.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first herein above written.

CITY OF SNOHOMISH (Owner)

By _____
Authorized Official

Title

CONTRACTOR

By _____
Authorized Official

Title

Address _____

Telephone Number _____

Approved as to form

By _____
Legal Officer for Owner

Acknowledgement of Waiver of Contractor's Industrial insurance immunity. See Standard Specifications, 1-07.14. (Initial acknowledgement)

Owner Contractor

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS: That whereas CITY OF SNOHOMISH has awarded to _____,

(Contractor)

hereinafter designated as the "Principal," a contract for the construction of the Project designated City of Snohomish Maple Avenue Overlay Project, 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 _____, duly authorized to do business in the State of Washington, as surety, are held and firmly bound unto CITY OF SNOHOMISH, a municipal corporation of the State of Washington in the sum of:

(Total Amount of Contract Sum)

Dollars (\$ _____), 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 is the above-bonded principal, his 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 or their part and shall indemnify and save harmless CITY OF SNOHOMISH, their officers and agents and shall further save harmless and indemnify said CITY OF SNOHOMISH from any defect or defects in any of the workmanship entering into any part of the Work or designated equipment covered by said _ contract which shall develop or be discovered within one (1) year after the final acceptance of such work, then this obligation shall become null and void; otherwise, it shall remain in full force and effect, provided that the liability hereunder for defects in materials and workmanship for a period of one (1) year after the acceptance of the Work shall not exceed the sum of:

_____ Dollars (\$ _____)
(100% of the Contract Sum)

And the said surety, for the 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 the bond, and it does hereby waive notice of any change, extension of time, alterations, or additions to the terms of the contract or the Work or to the specifications.

IN WITNESS WHEREOF, the said principal and the said surety have caused this bond and three (3) counterparts thereof to be signed and sealed by their duly authorized officers this _____ day of _____, _____.

Principal

By: _____

TWO WITNESSES: (If Sole Proprietor or Partnership)

ATTEST: (If Corporation)

Corporate Seal

By _____

Title _____

Surety

By _____

Its _____

Address of local office and agent of Surety Company is:

APPROVED AS TO FORM

By _____
Grant Weed, Attorney for CITY OF SNOHOMISH

Note: This questionnaire must be completed and attached to certificate of insurance.

INSURANCE COVERAGE QUESTIONNAIRE

For _____
(Name of Insured)

Project Title: City of Snohomish Maple Avenue Overlay Project

Project Owner: CITY OF SNOHOMISH

Are the following coverage's and/or conditions in effect?

	Yes	No
The Policy form is ISO Commercial General Liability form GC-00 001 or GC 00 02 (Circle ONE). If no, attach a copy of the policy with required coverages clearly identified.		
The Owner, its officials, officers, employees and volunteers are additional insures as Respects (a) activities performed for the Owner by or on behalf of the Named Insured, (b) products and completed operations of the Named Insured, or (c) premises, owned, leased, or used by the Named Insured.		
Products Completed operation coverage.		
Cross Liability clause (or equivalent wording).		
Personal Injury Liability Coverage (with employee exclusion deleted)		
Broad Form Damage with X, C U Hazards included.		
Blanket Contractual Liability coverage applying to this contract or Contractual Liability Coverage applying to this contract		
Employers Liability – Stop Gap		
45 days written notice of cancellation to the City		

Deductibles or SIRS GL _____ AL _____ Excess _____

Insurer's Best Rating GL _____ AL _____ Excess _____

This questionnaire is issued as a matter of information. This questionnaire is not an insurance policy and does not amend, extend, or alter the coverage afforded by the policies indicated on the attached Certificate of Insurance.

Agency/Broker

Completed by (type)

Address

Completed by (Signature)

Name of person to contact

Telephone Number

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/wnd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epis.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epis.gov>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

Local Agency Certification for Federal-Aid Contracts

The prospective participant certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is material representation of the fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Local Agency Disadvantaged Business Enterprise Utilization Certification

To be eligible for award of this contract the bidder must fill out and submit, as part of its bid proposal, the following Disadvantaged Business Enterprise Utilization Certification relating to Disadvantaged Business Enterprise (DBE) requirements. The Contracting Agency shall consider as non-responsive and shall reject any bid proposal that does not contain a DBE Certification which properly demonstrates that the bidder will meet the DBE participation requirements in one of the manners provided for in the proposed contract. The Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit sufficient DBE participation has been unsuccessful. The successful bidder's Disadvantage Business Enterprise Utilization Certification shall be deemed a part of the resulting contract. Information on certified firms is available from OMWBE online at: <http://omwbe.wa.gov/directory-of-certified-firms/>

_____ certifies that the Disadvantaged Business Enterprise (DBE)

(Box 1) Name of Bidder

Firms listed below have been contacted regarding participation on this project. If this bidder is successful on this project and is awarded the contract, it shall assure that subcontracts or supply agreements are executed with those firms where an "Amount to be Applied Towards Goal" is listed. (If necessary, use additional sheet.)

Column 1 Name of DBE Certificate Number	Column 2 Project Role (Prime, Joint Venture, Subcontractor, Manufacturer, Regular Dealer)	Column 3 Description of Work	Column 4 Amount to be Applied Towards Goal
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Disadvantaged Business Enterprise Subcontracting Goal: _____ DBE Total \$ _____
Box 2 Box 3

* Regular Dealer status must be approved prior to bid submittal by the Office of Equal Opportunity, Wash. State Dept. of Transportation, on each contract.

** See the section "Crediting DBE Participation Toward Meeting the Goal" in the Contract Document.

*** The Contracting Agency will utilize this amount to determine whether or not the bidder has met the goal. In the event of an arithmetic difference between this total and the sum of the individual amounts listed above, then the sum of the amounts listed shall prevail and the total will be revised accordingly. Participation in excess of the goal amount will be considered voluntary or race-neutral participation.

Local Agency Disadvantaged Business Enterprise (DBE) Written Confirmation Document

As an authorized representative of the Disadvantaged Business Enterprise (DBE), I confirm that we have been contacted by the referenced bidder with regard to the referenced project and if the bidder is awarded the contract we will enter into an agreement with the bidder to participate in the project consistent with the information provided in the bidder's Disadvantaged Business Enterprise Utilization Certification.

Contract Title: _____

Bidder's Business Name: _____

DBE's Business Name: _____

DBE Signature: _____

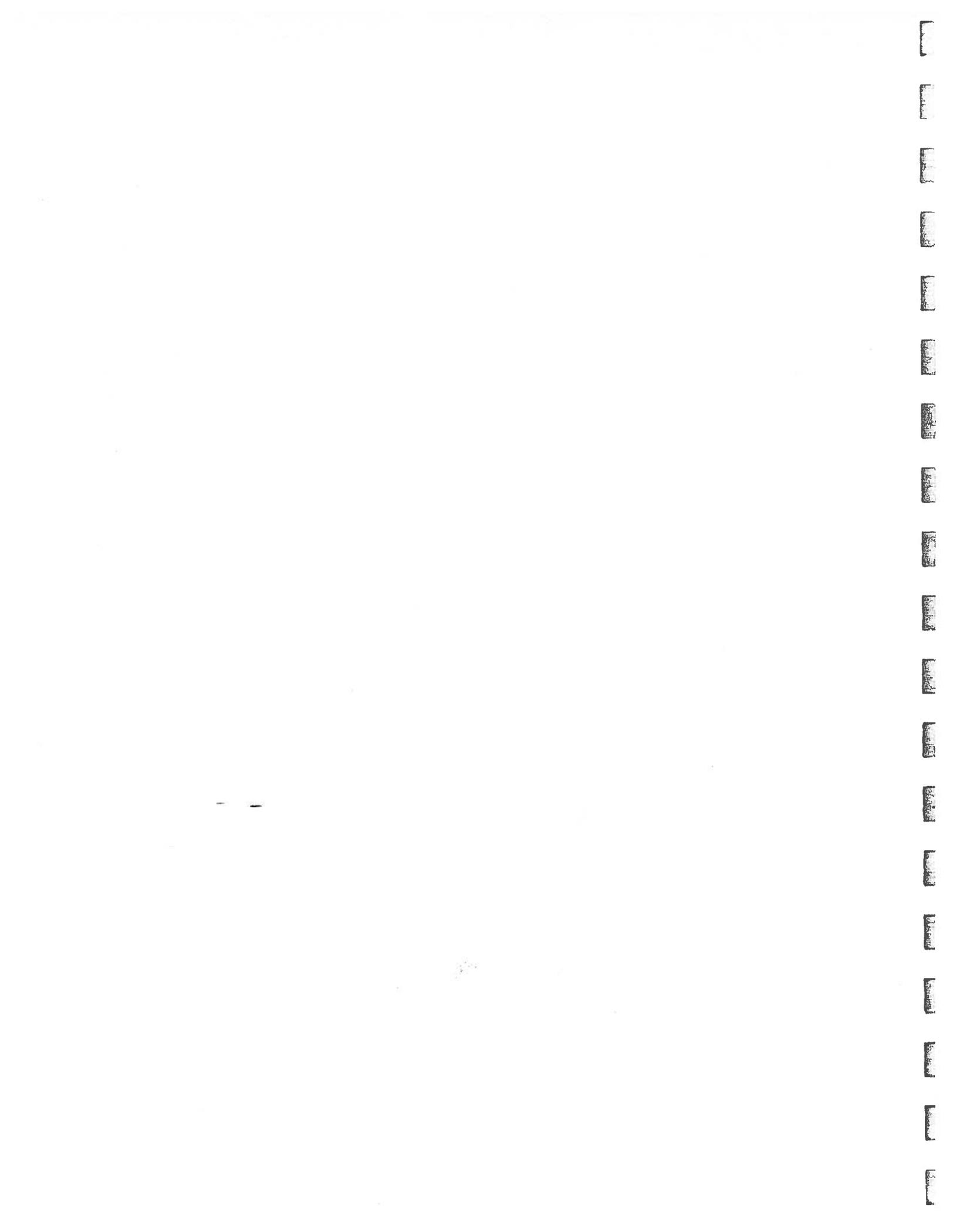
DBE's Title: _____

Date: _____

The entries must be consistent with what is shown on the bidder's Disadvantaged Business Enterprise Utilization Certification. Failure to do so will result in bid rejection. See contract provision; *Disadvantaged Business Enterprise Condition of Award Participation*.

Description of Work: _____

Amount to be Applied Towards Goal: _____



SECTION I

AMENDMENT TO THE STANDARD SPECIFICATION

1 **INTRO.AP1**

2 **INTRODUCTION**

3 The following Amendments and Special Provisions shall be used in conjunction with the
4 2014 Standard Specifications for Road, Bridge, and Municipal Construction.

5

6

7

AMENDMENTS TO THE STANDARD SPECIFICATIONS

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

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

17 **1-01.AP1**

18 **Section 1-01, Definitions and Terms**

August 4, 2014

19 **1-01.3 Definitions**

20 The definition for "Engineer" is revised to read:

21

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24

The Contracting Agency's representative who directly supervises the engineering and administration of a construction Contract.

25

26

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32

The definition for "Inspector" is revised to read:

The Engineer's representative who inspects Contract performance in detail.

The definition for "Project Engineer" is revised to read:

Same as Engineer.

33

34

35

36

37

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39

The definition for "Working Drawings" is revised to read:

Drawings, plans, diagrams, or any other supplementary data or calculations, including a schedule of submittal dates for Working Drawings where specified, which the Contractor must submit to the Engineer.

40 **Section 1-02, Bid Procedures and Conditions**

41 **April 7, 2014**

42 **1-02.8(1) Noncollusion Declaration**

43 The third paragraph is revised to read:

44

1 Therefore, by including the Non-collusion Declaration as part of the signed bid Proposal,
2 the Bidder is deemed to have certified and agreed to the requirements of the
3 Declaration.
4

5 **1-03.AP1**

6 **Section 1-03, Award and Execution of Contract**
7 **January 5, 2015**

8 **1-03.3 Execution of Contract**

9 The first paragraph is revised to read:

10

11 Within 20 calendar days after the Award date, the successful Bidder shall return the
12 signed Contracting Agency-prepared Contract, an insurance certification as required by
13 Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4, and
14 shall be registered as a contractor in the state of Washington.
15

16 **1-03.4 Contract Bond**

17 The last word of item 3 is deleted.

18

19 Item 4 is renumbered to 5.

20

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

22

23 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the
24 project under titles 50, 51, and 82 RCW; and
25

26 **1-03.5 Failure to Execute Contract**

27 The first sentence is revised to read:

28

29 Failure to return the insurance certification and bond with the signed Contract as
30 required in Section 1-03.3, or failure to provide Disadvantaged, Minority or Women's
31 Business Enterprise information if required in the Contract, or failure or refusal to sign
32 the Contract, or failure to register as a contractor in the state of Washington shall result
33 in forfeiture of the proposal bond or deposit of this Bidder.
34

35 **1-04.AP1**

36 **Section 1-04, Scope of the Work**
37 **August 4, 2014**

38 **1-04.4 Changes**

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

40

41 A. When the character of the Work as altered differs materially in kind or nature from
42 that involved or included in the original proposed construction; or
43

44 B. When an item of Work, as defined elsewhere in the Contract, is increased in excess
45 of 125 percent or decreased below 75 percent of the original Contract quantity. For
46 the purpose of this Section, an item of Work will be defined as any item that qualifies
47 for adjustment under the provisions of Section 1-04.6.

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The last two paragraphs are deleted.

This section is supplemented with the following new subsections:

1-04.4(2) Value Engineering Change Proposal (VECP)

1-04.4(2)A General

A VECP is a Contractor proposed change to the Contract Provisions which will accomplish the projects functional requirements in a manner that is equal to or better than the requirements in the Contract. The VECP may be: (1) at a less cost or time, or (2) either no cost savings or a minor increase in cost with a reduction in Contract time. The net savings or added costs to the Contract Work are shared by the Contractor and Contracting Agency.

The Contractor may submit a VECP for changing the Plans, Specifications, or other requirements of the Contract. The Engineer's decision to accept or reject all or part of the proposal is final and not subject to arbitration under the arbitration clause or otherwise subject to litigation.

The VECP shall meet all of the following:

1. Not adversely affect the long term life cycle costs.
2. Not adversely impact the ability to perform maintenance.
3. Provide the required safety and appearance.
4. Provide substitution for deleted or reduced Disadvantaged Business Enterprise Condition of Award Work, Apprentice Utilization and Training.

VECPs that provide a time reduction shall meet the following requirements:

1. Time saving is a direct result of the VECP.
2. Liquidated damages penalties are not used to calculate savings.
3. Administrative/overhead cost savings experienced by either the Contractor or Contracting Agency as a result of time reduction accrue to each party and are not used to calculate savings.

1-04.4(2)B VECP Savings

1-04.4(2)B1 Proposal Savings

The incentive payment to the Contractor shall be one-half of the net savings of the proposal calculated as follows:

1. (gross cost of deleted work) – (gross cost of added work) = (gross savings)
2. (gross savings) – (Contractor's engineering costs) – (Contracting Agency's costs) = (net savings)

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3. $(\text{net savings}) / 2 = (\text{incentive pay})$

The Contracting Agency's costs shall be the actual consultant costs billed to the Contracting Agency and in-house costs. Costs for personnel assigned to the Engineer's office shall not be included.

1-04.4(2)B2 Added Costs to Achieve Time Savings

The cost to achieve the time savings shall be calculated as follows:

1. $(\text{cost of added work}) + (\text{Contractor's engineering costs} - \text{Contracting Agency's engineering costs}) = (\text{cost to achieve time savings})$
2. $(\text{cost to achieve time savings}) / 2 = (\text{Contracting Agency's share of added cost})$

If the timesaving proposal also involves deleting work and, as a result, creates a savings for the Contracting Agency, then the Contractor shall also receive one-half of the savings realized through the deletion.

1-04.4(2)C VECP Approval

1-04.4(2)C1 Concept Approval

The Contractor shall submit a written proposal to the Engineer for consideration. The proposal shall contain the following information:

1. An explanation outlining the benefit provided by the change(s).
2. A narrative description of the proposed change(s). If applicable, the discussion shall include a demonstration of functional equivalency or a description of how the proposal meets the original contract scope of work.
3. A cost discussion estimating any net savings. Savings estimates will generally follow the outline below under the section, "Proposal Savings".
4. A statement providing the Contracting Agency with the right to use all or any part of the proposal on future projects without future obligation or compensation.
5. A statement acknowledging and agreeing that the Engineer's decision to accept or reject all or part of the proposal is final and not subject to arbitration under the arbitration clause or otherwise be subject to claims or disputes.
6. A statement giving the dates the Engineer must make a decision to accept or reject the conceptual proposal, the date that approval to proceed must be received, and the date the work must begin in order to not delay the contract. If the Contracting Agency does not approve the VECP by the date specified by the Contractor in their proposal the VECP will be deemed rejected.

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7. The submittal will include an analysis on other Work that may have costs that changed as a result of the VECP. Traffic control and erosion control shall both be included in addition to any other impacted Work.

After review of the proposal, the Engineer will respond in writing with acceptance or rejection of the concept. This acceptance shall not be construed as authority to proceed with any change contract work. Concept approval allows the Contractor to proceed with the Work needed to develop final plans and other information to receive formal approval and to support preparation of a change order.

1-04.4(2)C2 Formal Approval

The Contractor's submittal to the Engineer for formal approval shall include the following:

1. Deleted Work – Include the calculated quantities of unit price Work to be deleted. Include the proposed partial prices for portions of lump sum Work deleted. For deletion of force account items include the time and material estimates.
2. Added Work – Include the calculated quantities of unit price Work to be added, either by original unit Contract prices or by new, negotiated unit prices. For new items of Work include the quantities and proposed prices.
3. Contractor's Engineering Costs – Submit the labor costs for the engineering to develop the proposal; costs for Contractor employees utilized in contract operations on a regular basis shall not be included.
4. Schedule Analysis – If the VECP is related to time savings, the Contractor shall submit a partial progress schedule showing the changed Work. The submittal shall also include a discussion comparing the partial progress schedule with the approved progress schedule for the project.
5. Working Drawings – Type 3 Working Drawings shall be submitted; those drawings which require engineering shall be a Type 3E.

Formal approval of the proposal will be documented by issuance of a change order. The VECP change order will contain the following statements which the Contractor agrees to by signing the change order:

1. The Contractor accepts design risk of all features, both temporary and permanent, of the changed Work.
2. The Contractor accepts risk of constructability of the changed Work.
3. The Contractor provides the Contracting Agency with the right to use all or any part of the proposal on future projects without further obligation or compensation.

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VECP change orders will contain separate pay items for the items that are applicable to the Proposal. These are as follows:

1. Deleted Work.
2. Added Work.
3. The Contractor's engineering costs, reimbursed at 100 percent of the Contractor's cost.
4. Incentive payment to the Contractor.

When added Work costs exceed Deleted Work costs, but time savings make a viable proposal, then items 3 and 4 above are replaced with the following:

3. The Contracting Agency's share of added cost to achieve time savings.
4. The Contractor's share of savings from deleted Work.

1-04.4(2)C3 Authority to Proceed with Changed Work

The authority for the Contractor to proceed with the VECP Work will be provided by one of the following options:

1. Execution of the VECP change order, or
2. At the Contractor's request the Contracting Agency may provide approval by letter from the Engineer for the Work to proceed prior to execution of a change order. All of the risk for proceeding with the VECP shall be the responsibility of the Contractor. Additionally, the following criteria are required to have been met:
 - a) Concept approval has been granted by the Contracting Agency.
 - b) All design reviews and approvals have been completed, including plans and specifications.
 - c) The Contractor has guaranteed, in writing, the minimum savings to the Contracting Agency.

1-05.AP1

**Section 1-05, Control of Work
August 4, 2014**

1-05.1 Authority of the Engineer

In this section, "Project Engineer" is revised to read "Engineer".

The second paragraph (up until the colon) is revised to read:

The Engineer's decisions will be final on all questions including the following:

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

The Engineer represents the Contracting Agency with full authority to enforce Contract requirements.

1-05.2 Authority of Assistants and Inspectors

The first paragraph is revised to read:

The Engineer may appoint assistants and inspectors to assist in determining that the Work and materials meet the Contract requirements. Assistants and Inspectors have the authority to reject defective material and suspend Work that is being done improperly, subject to the final decisions of the Engineer.

In the third paragraph, "Project Engineer" is revised to read "Engineer".

1-05.3 Plans and Working Drawings

This section's title is revised to read:

Working Drawings

This section is revised to read:

The Contract may require the Contractor to submit Working Drawings for the performance of the Work. Working Drawings shall be submitted by the Contractor electronically to the Engineer in PDF format; drawing details shall be prepared in accordance with conventional detailing practices. If the PDF format is found to be unacceptable, at the request of the Engineer, the Contractor shall provide paper copies of the Working Drawings with drawings on 11 by 17 inch sheets and calculations/text on 8½ by 11 inch sheets.

Working Drawings will be classified under the following categories:

1. **Type 1** – Submitted for Contracting Agency information. Submittal must be received by the Contracting Agency a minimum of 7 calendar days before work represented by the submittal begins.
2. **Type 2** – Submitted for Contracting Agency review and comment. Unless otherwise stated in the Contract, the Engineer will require up to 20 calendar days from the date the Working Drawing is received until it is returned to the Contractor. The Contractor shall not proceed with the Work represented by the Working Drawing until comments from the Engineer have been addressed.
3. **Type 2E** – Same as a Type 2 Working Drawing with Engineering as described below.
4. **Type 3** – Submitted for Contracting Agency review and approval. Unless otherwise stated in the Contract, the Engineer will require up to 30 calendar days from the date the Working Drawing is received until it is returned to the Contractor. The Contractor shall obtain the Engineer's written approval before proceeding with the Work represented by the Working Drawing.

1 5. **Type 3E** – Same as a Type 3 Working Drawing with Engineering as described
2 below.
3

4 All Working Drawings shall be considered Type 3 Working Drawings except as
5 specifically noted otherwise in the Contract. Unless designated otherwise by the
6 Contractor, submittals of Working Drawings will be reviewed in the order they are
7 received by the Engineer. In the event that several Working Drawings are received
8 simultaneously, the Contractor shall specify the sequence in which they are to be
9 reviewed. If the Contractor does not submit a review sequence for simultaneous
10 Working Drawing submittals, the review sequence will be at the Engineer's discretion.
11

12 Working Drawings requiring Engineering, Type 2E and 3E, shall be prepared by (or
13 under the direction of) a Professional Engineer, licensed under Title 18 RCW, State of
14 Washington, and in accordance with WAC 196-23-020. Design calculations shall carry
15 the Professional Engineer's signature and seal, date of signature, and registration
16 number on the cover page. The cover page shall also include the Contract number,
17 Contract title and sequential index to calculation page numbers.
18

19 If more than the specified number of days is required for the Engineer's review of any
20 individual Working Drawing or resubmittal, an extension of time will be considered in
21 accordance with Section 1-08.8.
22

23 Review or approval of Working Drawings shall neither confer upon the Contracting
24 Agency nor relieve the Contractor of any responsibility for the accuracy of the drawings
25 or their conformity with the Contract. The Contractor shall bear all risk and all costs of
26 any Work delays caused by rejection or nonapproval of Working Drawings.
27

28 Unit Bid prices shall cover all costs of Working Drawings.
29

30 **1-07.AP1**

31 **Section 1-07, Legal Relations and Responsibilities to the Public** 32 **January 5, 2015**

33 **1-07.2 State Taxes**

34 This section is revised to read:
35

36 The Washington State Department of Revenue has issued special rules on the state
37 sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The
38 Contracting Agency will not adjust its payment if the Contractor bases a Bid on a
39 misunderstood tax liability.
40

41 The Contracting Agency may deduct from its payments to the Contractor, retainage or
42 lien the bond, in the amount the Contractor owes the State Department of Revenue,
43 whether the amount owed relates to the Contract in question or not. Any amount so
44 deducted will be paid into the proper State fund on the contractor's behalf. For
45 additional information on tax rates and application refer to applicable RCWs, WACs or
46 the Department of Revenue's website.
47

48 **1-07.2(1) State Sales Tax: Work Performed on City, County, or Federally-** 49 **Owned Land**

50 This section including title is revised to read:

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

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

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

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

This section including title is revised to read:

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

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

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

1-07.2(3) Services

This section is revised to read:

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

1-07.23(1) Construction Under Traffic

In the second paragraph, the following new sentence is inserted after the second sentence:

Accessibility to existing or temporary pedestrian push buttons shall not be impaired.

1-08.AP1

Section 1-08, Prosecution and Progress

May 5, 2014

1-08.1 Subcontracting

The eighth paragraph is revised to read:

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

11
12 The ninth paragraph is deleted.

13
14 **1-09.AP1**

15 **Section 1-09, Measurement and Payment**
16 **January 5, 2015**

17 **1-09.6 Force Account**

18 In the third paragraph of item number 3, the last sentence is revised to read:

19
20 In the event that prior quotations are not obtained and the vendor is not a firm
21 independent from the Contractor or Subcontractor, then after-the-fact quotations may be
22 obtained by the Engineer from the open market in the vicinity and the lowest such
23 quotation may be used in place of submitted invoice.

24
25 **1-10.AP1**

26 **Section 1-10, Temporary Traffic Control**
27 **August 4, 2014**

28 **1-10.1(1) Materials**

29 The following material reference is deleted from this section:

30
31 Barrier Drums 9-35.8

32
33 **1-10.1(2) Description**

34 The first paragraph is revised to read:

35
36 The Contractor shall provide flaggers, and all other personnel required for labor for
37 traffic control activities and not otherwise specified as being furnished by the
38 Contracting Agency.

39
40 **1-10.2(1) General**

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

42
43 The primary and alternate TCS shall be certified by one of the organizations listed in the
44 Special Provisions. Possession of a current Washington State TCS card and flagging
45 card by the primary and alternate TCS is mandatory.

46

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

2 The first paragraph is revised to read:

3

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

7

8 The last paragraph is revised to read:

9

10 The TCS may perform the Work described in Section 1-10.3(1)A Flaggers or in Section
11 1-10.3(1)B Other Traffic Control Labor and be compensated under those Bid items,
12 provided that the duties of the TCS are accomplished.

13

14 **1-10.2(2) Traffic Control Plans**

15 The first paragraph is revised to read:

16

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

25

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

27

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

31

32 **1-10.2(3) Conformance to Established Standards**

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

34

35 The National Cooperative Highway Research Project (NCHRP) Report 350 and the
36 AASHTO Manual for Assessing Safety Hardware (MASH) have established
37 requirements for crash testing.

38

39 In the third paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".

40

41 In the fourth paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".

42

43 In the fifth paragraph, "NCHRP 350" is revised to read "NCHRP 350 or MASH".

44

45 **1-10.3(1) Traffic Control Labor**

46 The first paragraph is revised to read:

47

48 The Contractor shall furnish all personnel for flagging, for the execution of all
49 procedures related to temporary traffic control and for the setup, maintenance and
50 removal of all temporary traffic control devices and construction signs necessary to
51 control vehicular, bicycle, and pedestrian traffic during construction operations.

52

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

2 This section's title is revised to read:

3
4 **Flaggers**

5
6 The first paragraph is revised to read:

7
8 Flaggers shall be posted where shown on approved Traffic Control Plans or where
9 directed by the Engineer. All flaggers shall possess a current flagging card issued by
10 the State of Washington, Oregon, Montana, or Idaho. The flagging card shall be
11 immediately available and shown to the Contracting Agency upon request.

12
13 The last paragraph is deleted.

14
15 **1-10.3(1)B Other Traffic Control Labor**

16 This section is revised to read:

17
18 In addition to flagging duties, the Contractor shall provide personnel for all other traffic
19 control procedures required by the construction operations and for the labor to install,
20 maintain and remove any traffic control devices shown on Traffic Control Plans.

21
22 **1-10.3(3)B Sequential Arrow Signs**

23 This section is supplemented with the following:

24
25 A sequential arrow sign is required for all lane closure tapers on a multilane facility. A
26 separate sequential arrow sign shall be used for each closed lane. The arrow sign shall
27 not be used to laterally shift traffic. When used in the caution mode, the four corner
28 mode shall be used.

29
30 **1-10.3(3)C Portable Changeable Message Signs**

31 This section is revised to read:

32
33 Where shown on an approved traffic control plan or where ordered by the Engineer, the
34 Contractor shall provide, operate, and maintain portable changeable message signs
35 (PCMS). A PCMS shall be placed behind a barrier or guardrail whenever possible, but
36 shall at a minimum provide 4 ft. of lateral clearance to edge of travelled lane and be
37 delineated by channelization devices. The Contractor shall remove the PCMS from the
38 clear zone when not in use unless protected by barrier or guardrail.

39
40 **1-10.3(3)F Barrier Drums**

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

42
43 **1-10.3(3)F Vacant**

44
45 **1-10.3(3)K Portable Temporary Traffic Control Signal**

46 The fifth paragraph is revised to read:

47
48 The Project Engineer or designee will inspect the signal system at initial
49 installation/operation and approve the signal timing. Final approval will be based on the
50 results of the operational inspection.

51

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

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

3
4 "Flaggers" will be measured by the hour. Hours will be measured for each flagging
5 station, shown on an approved Traffic Control Plan, when that station is staffed in
6 accordance with Section 1-10.3(1)A.

7
8 The first sentence of the last bulleted item in this section is revised to read:

9
10 Installing and removing Barricades, Traffic Safety Drums, Cones, Tubular Markers and
11 Warning Lights and Flashers to carry out approved Traffic Control Plan(s).

12
13 **1-10.5(2) Item Bids With Lump Sum for Incidentals**

14 This section is deleted and replaced with the following:

15
16 "Traffic Control Supervisor", lump sum.

17
18 The lump sum Contract payment shall be full compensation for all costs incurred by the
19 Contractor in performing the Work defined in Section 1-10.2(1)B.

20
21 "Pedestrian Traffic Control", lump sum.

22
23 The lump sum Contract payment shall be full compensation for all costs incurred by the
24 Contractor in performing the Work for pedestrian traffic control defined in Section 1-10.

25
26 "Flaggers", per hour.

27
28 The unit Contract price, when applied to the number of units measured for this item in
29 accordance with Section 1-10.4(2), shall be full compensation for all costs incurred
30 by the Contractor in performing the Work defined in Section 1-10.3(1)A.

31
32 "Other Traffic Control Labor", per hour.

33
34 The unit Contract price, when applied to the number of units measured for this item in
35 accordance with Section 1-10.4(2), shall be full compensation for all labor costs incurred
36 by the Contractor in performing the Work specified for this item in Section 1-10.4(2).

37
38 "Construction Signs Class A", per square foot.

39
40 The unit Contract price, when applied to the number of units measured for this item in
41 accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by
42 the Contractor in performing the Work described in Section 1-10.3(3)A. In the event that
43 "Do Not Pass" and "Pass With Care" signs must be left in place, a change order, as
44 described in Section 1-04.4, will be required. When the Bid Proposal contains the item
45 "Sign Covering", then covering those signs indicated in the Contract will be measured
46 and paid according to Section 8-21.

47
48 "Sequential Arrow Sign", per hour.

49
50 The unit Contract price, when applied to the number of units measured for this item in
51 accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by
52 the Contractor in performing the Work described in Section 1-10.3(3)B.

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"Portable Changeable Message Sign", per hour.

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

"Transportable Attenuator", per each.

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

"Operation of Transportable Attenuator", per hour.

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

"Repair Transportable Attenuator", by force account.

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

"Other Temporary Traffic Control", lump sum.

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

"Portable Temporary Traffic Control Signal", lump sum.

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

1 **2-01.AP2**

2 **Section 2-01, Clearing, Grubbing, and Roadside Cleanup**
3 **August 4, 2014**

4 **2-01.3(1) Clearing**

5 In the second paragraph, item number 3 (up until the colon) is revised to read:

- 6
7 3. Follow these requirements for all stumps that will be buried deeper than 5 feet from
8 the top, side, or end surface of the embankment or any structure and are in a
9 location that will not be terraced as described in Section 2-03.3(14):

10

11 **2-02.AP2**

12 **Section 2-02, Removal of Structures and Obstructions**
13 **January 5, 2015**

14 **2-02.3(2) Removal of Bridges, Box Culverts, and Other Drainage Structures**

15 This section is supplemented with the following new subsections:

16

17 **2-02.3(2)A Bridge Removal**

18 **2-02.3(2)A1 Bridge Demolition Plan Submittal**

19 The Contractor shall submit a Type 2E Working Drawing consisting of a bridge
20 demolition plan, showing the method of removing the existing bridge(s), or portions
21 of bridges, as specified.

22

23 The bridge demolition plan shall show all equipment, sequence of operations, and
24 details required to complete the work, including containment, collection, and
25 disposal of all debris. The plan shall include a crane foundation stability analysis
26 and crane load calculations for the work. The plan shall detail the containment,
27 collection, and disposal of all debris. The plan shall show all stages of demolition.

28

29 When the bridge removal work includes removal of a truss, and when the
30 Contractor's removal method involves use of a crane or cranes to pick, lift, and
31 remove the truss, the Contractor shall confirm the truss dead load weight prior to
32 beginning the truss removal operation. The operation of confirming the truss dead
33 load shall be performed at both ends of the truss, and shall ensure that the truss is
34 broken free of its support bearings. The Contractor's method of confirming the
35 truss dead load, whether by hydraulic jacks or other means, shall be included in the
36 Contractor's bridge demolition plan submittal.

37

38 When the bridge removal work involves removing portions of existing concrete
39 without replacement, the methods and tools used to achieve the smooth surface
40 and profile specified in Section 2-02.3(2)A2 shall be included in the Contractor's
41 bridge demolition plan submittal.

42

43 **2-02.3(2)A2 Removing Portions of Existing Concrete**

44 Care shall be taken in removing concrete to prevent overbreakage or damage to
45 portions of the existing Structure which are to remain. Before concrete removal
46 begins, a saw cut shall be made into the surface of the concrete at the perimeter of
47 the removal limits. The saw cut shall be 3/4-inch deep when the steel

1 reinforcement is to remain, and may be deeper when the steel reinforcement is
2 removed with the concrete.
3
4 Concrete shall be completely removed (exposing the deformed surface of the bar)
5 from existing steel reinforcing bars which extend from the existing members and
6 are specified to remain. Steel reinforcing bars that are not designated to remain
7 shall be cut a minimum of 1-inch behind the final surface. The void left by removal
8 of the steel reinforcing bar shall be filled with mortar conforming to Section 9-
9 20.4(2). The mortar shall match the color of the existing concrete surface as nearly
10 as practicable.
11
12 The Contractor shall roughen, clean, and saturate existing concrete surfaces,
13 against which fresh concrete will be placed, in accordance with Section 6-
14 02.3(12)B. When a portion of existing concrete is to be removed without
15 replacement, concrete shall be removed to a clean line with a smooth surface of
16 less than 1/16 inch profile.
17
18 **2-02.3(2)A3 Use of Explosives for Bridge Demolition**
19 Explosives shall not be used for bridge demolition, except as specifically allowed by
20 the Special Provisions.
21
22 **2-02.5 Payment**
23 This section is supplemented with the following new Bid items:
24
25 "Removing Existing Bridge____", lump sum.
26
27 "Removing Existing Structure____", lump sum.
28
29 "Removing Portion of Existing Bridge____", lump sum.
30
31 "Removing Portion of Existing Structure____", lump sum.
32
33 **2-03.AP2**

34 **Section 2-03, Roadway Excavation and Embankment**
35 **August 4, 2014**

36 **2-03.3(14) Embankment Construction**
37 The third paragraph is revised to read:
38
39 **Hillside Terraces** – The Contractor shall terrace the original ground or embankment
40 when the slope of the surface is 2H:1V or steeper unless otherwise directed by the
41 Engineer. The face of each terrace shall be a minimum of 1 foot and a maximum of 5
42 feet in height and shall be vertical or near vertical as required to remain stable during
43 material placement and compaction. The bench of the terrace shall slope outward to
44 drain and shall not be inclined steeper than 0.05 foot per foot. Terraces damaged
45 during work shall be reestablished. The Engineer may order the Contractor to place
46 gravel backfill, pipe drains or both to drain any seepage.
47
48 **2-03.3(14)L Embankment Widening for Guardrail**
49 The first sentence is revised to read:
50

1 Embankments widened for the installation of beam guardrail shall be terraced in
2 accordance with the requirements for hillside terraces in Section 2-03.3(14).

3

4 The second sentence is deleted.

5

6 **2-09.AP2**

7 **Section 2-09, Structure Excavation**

8 **January 5, 2015**

9 **2-09.4 Measurement**

10 The seventh paragraph is revised to read:

11

12 For pipelines the lower limit in measuring structure excavation will be the foundation
13 level as shown in the Plans or as directed by the Engineer.

14

15 **2-12.AP2**

16 **Section 2-12, Construction Geosynthetic**

17 **January 5, 2015**

18 **2-12.3(4) Permanent Erosion Control and Ditch Lining**

19 In the fourth paragraph, "Section 9-13.2" is revised to read "Section 9-13.1(4)".

20

21 **3-04.AP3**

22 **Section 3-04, Acceptance of Aggregate**

23 **April 6, 2015**

24 **3-04.5 Payment**

25 In Table 1, the "Maximum Sublot Size (Tons)" value for the item HMA Aggregate is revised
26 to read "2000".

27

28 In Table 2, the row containing the item "HMA Aggregate" is revised to read:

29

9-03.8(2)	HMA Aggregate						15	15	Uncompacted Void Content 15
-----------	---------------	--	--	--	--	--	----	----	-----------------------------------

30

31

32 **5-01.AP5**

33 **Section 5-01, Cement Concrete Pavement Rehabilitation**

34 **August 4, 2014**

35 **5-01.2 Materials**

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

37

38 Dowel Bars

9-07.5

39

1 **5-01.3(4) Replace Portland Cement Concrete Panel**

2 In the third paragraph, the last sentence is deleted.

3

4 The seventeenth paragraph (beginning with "The Contractor shall place a bond-breaking
5 material...") is deleted.

6

7 **5-02.AP5**

8 **Section 5-02, Bituminous Surface Treatment**

9 **August 4, 2014**

10 **5-02.3(11) Temporary Raised Pavement Markings**

11 This section's title is revised to read:

12

13 **Temporary Pavement Markings**

14

15 The word "raised" is deleted from this section.

16

17 **5-04.AP5**

18 **Section 5-04, Hot Mix Asphalt**

19 **April 6, 2015**

20 **5-04.2 Materials**

21 The third through eighth paragraphs are deleted and replaced with the following:

22

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

27

28 If greater than 20 percent RAP by total weight of HMA or any amount of RAS is utilized
29 in the production of HMA, the Contractor shall sample and test the RAP and RAS during
30 stockpile construction in accordance with WSDOT FOP for AASHTO T 308 for
31 determination of asphalt binder content and WSDOT FOP for WAQTC/AASHTO T 27/T
32 11 for gradation of the aggregates. The RAP shall be sampled and tested at a
33 frequency of one sample for every 1,000 tons produced and not less than ten samples
34 per project. The RAS shall be sampled and tested at a frequency of one sample for
35 every 100 tons produced and not less than ten samples per project. The asphalt content
36 and gradation test data shall be reported to the Contracting Agency prior to or when
37 submitting the mix design for approval on the QPL. If utilized, the amount of RAS shall
38 not exceed 5-percent of the total weight of the HMA. The Contractor shall include the
39 RAP and RAS as part of the mix design as defined in these Specifications.

40

41 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt
42 binder from different sources is not permitted. For HMA with greater than 20 percent
43 RAP by total weight of HMA or any amount of RAS, the final blended asphalt binder
44 (after inclusion of RAP, RAS, new asphalt binder and recycling agent) shall be the
45 grade as required by the Contract and comply with the requirements of Section 9-
46 02.1(4).

47

1 The Contractor may only use warm mix asphalt (WMA) processes in the production of
2 HMA with 20 percent or less RAP by total weight of HMA and no RAS. The Contractor
3 shall submit to the Engineer for approval the process that is proposed and how it will be
4 used in the manufacture of HMA.

5
6 When the Contracting Agency provides aggregates or provides a source for the
7 production of aggregates, the Contract Provisions will establish the approximate
8 percentage of asphalt binder required in the mixture for each class of HMA.

9
10 Production of aggregates shall comply with the requirements of Section 3-01.

11
12 Preparation of stockpile site, the stockpiling of aggregates, and the removal of
13 aggregates from stockpiles shall comply with the requirements of Section 3-02.

14 15 **5-04.3(1) Hot Mix Asphalt Mixing Plant**

16 The first paragraph is supplemented with the following:

17
18 6. **Equipment for Processing RAP and RAS.** When producing HMA for mix designs
19 with greater than 20 percent RAP by total weight of HMA or any amount of RAS the
20 HMA plant shall be equipped with screens or a lump breaker to eliminate oversize
21 RAP/RAS particles from entering the pug mill or drum mixer.

22 23 **5-04.3(3)A Material Transfer Device/Vehicle**

24 The first paragraph is supplemented with the following new sentence:

25
26 At the Contractor's request the Engineer may approve paving without an MTD/V; the
27 Engineer will determine if an equitable adjustment in cost or time is due.

28
29 In the last sentence of the second paragraph, "Project Engineer" is revised to read
30 "Engineer".

31 32 **5-04.3(5)A Preparation of Existing Surfaces**

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

34
35 Unless otherwise approved by the Engineer, the tack coat shall be CSS-1 or CSS-1h
36 emulsified asphalt.

37 38 **5-04.3(7) Preparation of Aggregates**

39 This section is revised to read:

40
41 The aggregates, RAP and RAS shall be stockpiled according to the requirements of
42 Section 3-02. Sufficient storage space shall be provided for each size of aggregate,
43 RAP and RAS. The Contractor may uniformly blend fine aggregate or RAP with the
44 RAS as a method of preventing the agglomeration of RAS particles. The aggregates,
45 RAP and RAS shall be removed from stockpile(s) in a manner to ensure minimal
46 segregation when being moved to the HMA plant for processing into the final mixture.
47 Different aggregate sizes shall be kept separated until they have been delivered to the
48 HMA plant.

49 50 **5-04.3(7)A1 General**

51 This section is revised to read:

52

1 An approved mix design, listed on the Qualified Products List (QPL), is required for all
2 HMA paving. The Contractor shall develop a mix design prior to the initial production of
3 HMA and no more than 3 months prior to submitting for QPL evaluation. The mix design
4 shall be developed in accordance with WSDOT Standard Operating Procedure 732 and
5 meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
6

7 Mix designs shall be submitted by the Contractor to the WSDOT State Materials
8 Laboratory on WSDOT Form 350-042EF. If the mix design is approved it will be listed
9 on the QPL for up to 24 consecutive months. Mix designs not listed on the QPL or past
10 the 24 month approved period shall not be used. After a mix design has been on the
11 QPL for 12 months the listing will be extended provided the Contractor submits a
12 certification letter to the Qualified Products Engineer verifying that the aggregate and
13 asphalt binder have not changed. The Contractor may submit the certification one
14 month prior to expiration of the mix design approval. Within 7 calendar days of receipt of
15 the Contractor's certification the QPL will be updated. The maximum duration for
16 approval of a mix design and listing on the QPL will be 24 months from the date of initial
17 approval or as approved by the Engineer.
18

19 Changes to the job mix formula of a mix design may require the development of a new
20 mix design and resubmittal for QPL approval. Mix designs that require resubmittal for
21 QPL approval must be approved prior to use.
22

23 Changes to aggregate that may require a new mix design include the source of material
24 or a change in the percentage of material from a stockpile greater than 5 percent.
25 Changes to the percentage of material from a stockpile will be calculated exclusive of
26 the RAP content. The Contractor may vary the RAP percentage in accordance with
27 Section 5-04.2.
28

29 Changes to asphalt binder that may require a new mix design include the source of the
30 crude petroleum supplied to the refinery, the refining process, and additives or modifiers
31 in the asphalt binder.
32

33 The Contractor shall include the brand and type of anti-stripping additive in the mix
34 design submittal and provide certification from the asphalt binder manufacture that the
35 anti-stripping additive is compatible with the crude source and formulation of asphalt
36 binder proposed in the mix design. All changes to anti-strip require the submittal of a
37 new mix design for approval.
38

39 Mix designs with 20 percent RAP or less by total weight of HMA and no RAS will be
40 completed without the inclusion of the RAP. For HMA mix designs with greater than 20
41 percent RAP by total weight of HMA or any amount of RAS the Contractor shall develop
42 a mix design including RAP, RAS, recycling agent and new asphalt binder. Asphalt
43 binder contributed from RAS shall be determined in accordance with AASHTO PP 78.
44 The total quantity of asphalt binder from the RAP and RAS shall not exceed 40 percent
45 of the total asphalt binder content of the HMA.
46

47 Once the RAP and RAS stockpiles have been constructed the Contractor shall extract,
48 recover and test the asphalt residue from the RAP and RAS stockpiles to determine the
49 percent of recycling agent and/or grade of new asphalt binder needed to meet the grade
50 of asphalt binder required by the contract. The asphalt extraction testing shall be
51 performed in accordance with AASHTO T 164 or ASTM D 2172 using reagent grade
52 trichloroethylene. The asphalt recovery shall be performed in accordance with AASHTO

1 R 59 or ASTM D 1856. The recovered asphalt residue shall be tested in accordance with
2 AASHTO R 29 to determine the asphalt binder grade in accordance with Section 9-
3 02.1(4). Once the recovered asphalt binder grade is determined the percent of recycling
4 agent and/or grade of new asphalt binder shall be determined in accordance with ASTM
5 D 4887. The final blend of recycling agent, recovered and new asphalt shall be tested in
6 accordance with AASHTO R 29 to confirm that it meets the grade of asphalt binder
7 required by the contract in accordance with Section 9-02.1(4). All recovered and
8 blended asphalt binder test data shall be reported to the Contracting Agency prior to
9 submitting the mix design for approval on the QPL.

10 11 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

12 This section is revised to read:

13
14 The Contractor shall submit WSDOT Form 350-041EF to the Engineer for approval to
15 use a mix design from the QPL. The Contractor may include changes to the job mix
16 formula that have been approved on other contracts. The request to use a mix design
17 from the QPL may be rejected if production of the HMA from another contract is not in
18 compliance with Section 5-04.3(11)D.

19
20 The Contractor shall submit representative samples of the materials that are to be used
21 in the HMA production to the State Materials Laboratory in Tumwater. For HMA mix
22 designs with 20 percent RAP or less by total weight of HMA and no RAS, the Contractor
23 shall submit representative samples of the mineral materials that are to be used in the
24 HMA production; the submittal of RAP samples is not required for these mix designs.
25 For HMA mix designs with greater than 20 percent RAP by total weight of HMA or any
26 amount of RAS the Contractor shall submit representative samples of the mineral
27 materials, RAP, RAS and 100 grams of recovered asphalt residue from the RAP and
28 RAS that are to be used in the HMA production. The Contracting Agency will use these
29 samples to evaluate the mix design for approval on the QPL in accordance with
30 WSDOT Standard Practice QC-8.

31 32 **5-04.3(7)A3 Commercial Evaluation**

33 This section is revised to read:

34
35 Approval of a Commercial Evaluation mix design for listing on the QPL will be based on
36 a review of the Contractor's submittal of WSDOT Form 350-042 for conformance to the
37 requirements of Section 9-03.8(2). Testing of the HMA by the Contracting Agency for
38 mix design approval is not required. Mix designs for HMA with greater than 20 percent
39 RAP by total weight of HMA or any amount of RAS may be evaluated in accordance
40 with Section 5-04.3(7)A2.

41
42 For the Bid item Commercial HMA, the Contractor shall select a class of HMA and
43 design level of Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

44 45 **5-04.3(8) Mixing**

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

47
48 When discharged, the temperature of the HMA shall not exceed the optimum mixing
49 temperature by more than 25°F as shown on the reference mix design report or as
50 approved by the Engineer.

51
52 The last paragraph is supplemented with the following new sentence:

1
2 After the required amount of mineral materials, RAP, RAS, new asphalt binder and
3 asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until
4 complete and uniform coating of the particles and thorough distribution of the asphalt
5 binder throughout the mineral materials, RAP and RAS is ensured.
6
7

8 **5-04.3(8)A4 Definition of Sampling and Sublot**

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

10
11 The sublots shall be approximately uniform in size with a maximum sublot size based
12 on original Plan quantity tons as specified in the following table.
13

14 This section is supplemented with the following new table:
15

HMA Original Plan Quantity (tons)	Sublot Size (tons)
<20,000	1,000
20,000 to 30,000	1,500
>30,000	2,000

16
17 **5-04.3(8)A7 Test Section – HMA Mixtures**

18 This section is revised to read:

19
20 For each class of HMA accepted by statistical evaluation with 20 percent RAP or less by
21 total weight of HMA and no RAS, the Contractor may request a single test section to
22 determine whether the mixture meets the requirements of Section 9-03.8(2) and 9-
23 03.8(6). For each HMA mix design accepted by statistical evaluation with greater than
24 20 percent RAP by weight of HMA or any amount of RAS, the Contractor shall construct
25 a test section to determine whether the mixture meets the requirements of Sections 9-
26 03.8(2) and 9-03.8(6). Test sections shall be constructed at the beginning of paving and
27 will be at least 600 tons and a maximum of 1,000 tons or as approved by the Engineer.
28 For a test section to be acceptable the pay factor (PF) for gradation, asphalt binder and
29 Va shall be 0.95 or greater for each constituent and the remaining test requirements in
30 Section 9-03.8(2) (dust/asphalt ratio, sand equivalent, uncompacted void and fracture)
31 shall conform to the requirements of that section. No further wearing or leveling HMA
32 will be paved on any of the four calendar days following construction of the test section.
33 The mixture in the test section will be evaluated as a lot with a minimum of three sublots
34 required. If more than one test section is required, each test section shall be a separate
35 lot.
36

37 **5-04.3(10)A General**

38 In the first paragraph, "checking" and "cracking" are deleted.

39
40 In the third paragraph, the following new sentence is inserted after the second sentence:

41
42 Coverage with a steel wheel roller may precede pneumatic tired rolling.
43

44 In the third paragraph, the following new sentence is inserted before the last sentence:

45
46 Regardless of mix temperature, a roller shall not be operated in a mode that results in
47 checking or cracking of the mat.
48

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5-04.3(10)B1 General

In this section, "Project Engineer" is revised to read "Engineer".

The first paragraph is revised to read:

HMA mixture accepted by statistical or nonstatistical evaluation that is used in traffic lanes, including lanes for ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a minimum of 91 percent of the maximum density. The percent of maximum density shall be determined by WSDOT FOP for AASHTO T 729 when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density. The specified level of density attained will be determined by the statistical evaluation of the density of the pavement.

The following four new paragraphs are inserted after the first paragraph:

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

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

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

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

In the sixth paragraph (after the preceding Amendments are applied), the second sentence is revised to read:

Sublots will be uniform in size with a maximum subplot size based on original Plan quantity tons of HMA as specified in the table below.

The following new table is inserted before the second to last paragraph:

HMA Original Plan Quantity (tons)	Sublot Size (tons)
<20,000	100
20,000 to 30,000	150
>30,000	200

5-04.3(10)B4 Test Results

The first paragraph is revised to read:

1 The results of all compaction acceptance testing and the CPF of the lot after three
2 sublots have been tested will be available to the Contractor through WSDOT's website.
3 Determination of the relative density of the HMA with a nuclear density gauge requires a
4 correlation factor and may require resolution after the correlation factor is known.
5 Acceptance of HMA compaction will be based on the statistical evaluation and CPF so
6 determined.
7

8 In the second paragraph, the first sentence is revised to read:
9

10 For a subplot that has been tested with a nuclear density gauge that did not meet the
11 minimum of 91 percent of the reference maximum density in a compaction lot with a
12 CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may
13 request that a core be used for determination of the relative density of the subplot.
14

15 In the second sentence of the second paragraph, "moisture-density" is revised to read
16 "density".
17

18 In the second paragraph, the fourth sentence is deleted.
19

20 **5-04.3(20) Anti-Stripping Additive**

21 This section is revised to read:
22

23 Anti-stripping additive shall be added to the liquid asphalt by the asphalt supplier prior to
24 shipment to the asphalt mixing plant. Anti-stripping additive shall be added in the
25 amount designated on the QPL for the mix design.
26

27 **5-04.4 Measurement**

28 The following new paragraph is inserted after the first paragraph:
29

30 Roadway cores will be measured per each for the number of cores taken.
31

32 The second to last paragraph is deleted.
33

34 **5-04.5 Payment**

35 The bid item "Removing Temporary Pavement Marking", per linear foot and paragraph
36 following bid item are deleted.
37

38 The following new bid item is inserted before the second to last paragraph:
39

40 "Roadway Core", per each.
41

42 The Contractor's costs for all other Work associated with the coring (e.g., traffic control)
43 shall be incidental and included within the unit Bid price per each and no additional
44 payments will be made.
45

46 **5-05.AP5**

47 **Section 5-05, Cement Concrete Pavement**

48 **April 6, 2015**

49 **5-05.3(1) Concrete Mix Design for Paving**

50 In item number 1, the first sentence of the third paragraph is revised to read:

1
2 Ground granulated blast furnace slag, if used, shall not exceed 30 percent by weight of
3 the total cementitious material and shall conform to Section 9-23.10.
4

5 The second and third rows of the table in item number 3 are revised to read:
6

Coarse Aggregate	+ 30 Pounds	- 30 Pounds
Fine Aggregate	+ 30 Pounds	- 30 Pounds

7
8 **5-05.4 Measurement**

9 The fourth paragraph is supplemented with the following new sentence:
10

11 Tie bars with drill holes in cement concrete pavement placed under the Contract will not
12 be measured.
13

14 **5-05.5 Payment**

15 The paragraph following the Bid item "Tie Bar with Drill Hole", per each is supplemented with
16 the following new sentence:
17

18 All costs for tie bars with drill holes in cement concrete pavement placed under the
19 Contract shall be included in the unit Contract price per cubic yard for "Cement Conc.
20 Pavement".
21

22 **6-01.AP6**

23 **Section 6-01, General Requirements for Structures**
24 **January 5, 2015**

25 **6-01.6 Load Restrictions on Bridges Under Construction**

26 The first sentence of the second paragraph is revised to read:
27

28 If necessary and safe to do so, and if the Contractor requests it through a Type 2E
29 Working Drawing, the Engineer may allow traffic on a bridge prior to completion.
30

31 In the second paragraph, item number 3 (up until the colon) is revised to read:
32

- 33 3. Provide stress calculations under the design criteria specified in the AASHTO LRFD
34 Bridge Design Specifications, current edition, including at a minimum the following:
35

36 **6-01.9 Working Drawings**

37 This section is revised to read:
38

39 All Working Drawings required for bridges and other Structures shall conform to Section
40 1-05.3.
41

42 **6-01.10 Utilities Supported by or Attached to Bridges**

43 In the second paragraph, "bridge structures" is revised to read "bridges".
44

45 **6-01.14 Premolded Joint Filler**

46 In the second paragraph, the first sentence is revised to read:
47

48 The Contractor may substitute for the nails any adhesive acceptable to the Engineer.

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6-02.AP6

Section 6-02, Concrete Structures
April 6, 2015

6-02.3(1) Classification of Structural Concrete

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

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

Item number 3 is renumbered to 4.

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

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

6-02.3(2) Proportioning Materials

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

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

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

The fourth paragraph is revised to read:

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

6-02.3(2)A Contractor Mix Design

The first paragraph is revised to read:

The Contractor shall provide a mix design in writing to the Engineer for all classes of concrete specified in the Plans except for lean concrete and commercial concrete. No concrete shall be placed until the Engineer has reviewed the mix design. The required average 28-day compressive strength shall be selected in accordance with ACI 301, Chapter 4, Section 4.2.3.3. ACI 211.1 shall be used to determine proportions. All proposed concrete mixes except Class 4000D shall meet the requirements in Cementitious Requirement for Concrete in Section 6-02.3(2).

In the fourth paragraph, the fourth sentence is deleted.

In the sixth paragraph, the first sentence is deleted.

In the seventh paragraph, the last sentence is deleted.

1 The eighth paragraph is revised to read:

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The following new sub-section is added:

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

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

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

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

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The first two sentences are revised to read:

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

1 **6-02.3(5)A General**

2 The first paragraph is revised to read:

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Concrete for the following applications will be accepted based on a Certificate of Compliance to be provided by the supplier as described in Section 6-02.3(5)B:

1. Lean concrete.
2. Commercial concrete.
3. Class 4000P concrete for Roadside Steel Sign Support Foundations.
4. Class 4000P concrete for Type II, III, and CCTV Signal Standard Foundations that are 12'-0" or less in depth.
5. Class 4000P concrete for Type IV and V Strain Pole Foundations that are 12'-0" or less in depth.
6. Class 4000P concrete for Steel Light Standard Foundations Types A & B.

The following new sentence is inserted at the beginning of the second paragraph:

Slip-form barrier concrete will be accepted based on conformance to the requirements for temperature, air content and compressive strength at 28 days for sublots as tested and determined by the Contracting Agency.

6-02.3(5)B Certification of Compliance

In the list within the first paragraph, "Fly ash (if used) brand and Type" is revised to read "Fly ash (if used) brand and Class".

The first sentence of the second to last paragraph is deleted.

6-02.3(5)G Sampling and Testing Frequency for Temperature, Consistency, and Air Content

In the fifth sentence of the second paragraph, "five truck loads" is revised to read "ten truck loads".

The second paragraph is supplemented with the following:

If the remaining quantity to be placed is less than ten truck loads; then a sample shall be randomly taken from one of the remaining truck loads.

In the last sentence of the third paragraph, "five truck loads" is revised to read "ten truck loads".

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

The second paragraph is revised to read:

The Contractor shall provide and maintain a sufficient number of cure boxes in accordance with WSDOT FOP for AASHTO T 23 for curing concrete cylinders. The cure boxes shall be readily accessible and no more than 500 feet from the point of acceptance testing, unless otherwise approved by the Engineer. The Contractor shall

1 also provide, maintain and operate all necessary power sources and connections
2 needed to operate the cure boxes. The cure boxes shall be in-place and functioning at
3 the specified temperature for curing cylinders prior to concrete placement. Concrete
4 cylinders shall be cured in the cure boxes in accordance with WSDOT FOP for
5 AASHTO T 23. The cure boxes shall have working locks and the Contractor shall
6 provide the Engineer with one key to each of the locks. Once concrete cylinders are
7 placed in the cure box, the cure box shall not be disturbed until the cylinders have been
8 removed. The Contractor shall retain the cure box Temperature Measuring Device log
9 and provide it to the Engineer upon request.

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11 The following new paragraph is inserted after the last paragraph:

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

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15 **6-02.3(6)A2 Cold Weather Protection**

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

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

20
21 The first sentence of the second paragraph is revised to read:

22
23 The temperature of the concrete shall be maintained above 50°F during the entire
24 curing period or 7 days, whichever is greater.

25
26 **6-02.3(10)A Preconstruction Meeting**

27 This section including title is revised to read:

28
29 **6-02.3(10)A Pre-Deck Pour Meeting**

30 A pre-deck pour meeting shall be held 5 to 10 working days before placing deck
31 concrete to discuss construction procedures, personnel, equipment to be used,
32 concrete sampling and testing and deck finishing and curing operations. Those
33 attending shall include, at a minimum, the superintendent, foremen in charge of placing
34 and finishing concrete, and representatives from the concrete supplier and the concrete
35 pump truck supplier.

36
37 If the project includes more than one bridge deck, and if the Contractor's key personnel
38 change between concreting operations, or at request of the Engineer, additional
39 conferences shall be held before each deck placement.

40
41 **6-02.3(10)D Concrete Placement, Finishing, and Texturing**

42 This section's content is deleted and replaced with the following new sub-sections:

43
44 **6-02.3(10)D1 Test Slab Using Bridge Deck Concrete**

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

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

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

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

6-02.3(10)D2 Preparation for Concrete Placement

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

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

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

6-02.3(10)D3 Concrete Placement

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

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

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

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

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

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

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

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

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

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

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

The Contractor shall monitor and record the concrete temperature and ambient temperature hourly for seven calendar days after placement. The Contractor shall monitor and record concrete temperature by placing two maturity meter temperature monitoring devices in the bridge deck at locations specified by the Engineer. The Contractor shall monitor ambient temperature using maturity meters near the locations where concrete temperature is being monitored. When the bridge deck is being enclosed and heated to meet cold weather requirements, ambient temperature readings shall be taken within the enclosure. The Contractor shall submit the concrete

1 temperature and ambient temperature data to the Engineer in spreadsheet format within
2 14 calendar days from placing the bridge deck concrete.
3

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

11
12 **6-02.3(10)D5 Bridge Deck Concrete Finishing and Texturing**

13 Except as otherwise specified for portions of bridge decks receiving an overlay or
14 sidewalk under the same Contract, the Contractor shall texture the surface of the bridge
15 deck as follows:
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17 The Contractor shall texture the bridge deck using diamond tipped saw blades
18 mounted on a power driven, self-propelled machine that is designed to texture
19 concrete surfaces. The grooving equipment shall provide grooves that are $1/8" \pm$
20 $1/64"$ wide, $3/16" \pm 1/16"$ deep, and spaced at $3/4" \pm 1/8"$. The bridge deck shall
21 not be textured with a metal tined comb.
22

23 The Contractor shall submit the type of grooving equipment to be used to the
24 Engineer for approval 30 calendar days prior to performing the work. The
25 Contractor shall demonstrate that the method and equipment for texturing the
26 bridge deck will not chip, spall or otherwise damage the deck. The Contractor shall
27 not begin texturing the bridge deck until receiving the Engineer's approval of the
28 Contractor's method and equipment.
29

30 Unless otherwise approved by the Engineer, the Contractor shall texture the
31 concrete bridge deck surface either in a longitudinal direction, parallel with
32 centerline or in a transverse direction, perpendicular with centerline. The
33 Contractor shall texture the bridge deck surface to within 3-inches minimum and
34 15-inches maximum of the edge of concrete at expansion joints, within 1-foot
35 minimum and 2-feet maximum of the curb line, and within 3-inches minimum and 9-
36 inches maximum of the perimeter of bridge drain assemblies.
37

38 The Contractor shall contain and collect all concrete dust and debris generated by
39 the bridge deck texturing process, and shall dispose of the collected concrete dust
40 and debris in accordance with Section 2-03.3(7)C.
41

42 If the Plans call for placement of a sidewalk or an HMA or concrete overlay on the
43 bridge deck, the Contractor shall produce the final finish of these areas by dragging a
44 strip of damp, seamless burlap lengthwise over the bridge deck or by brooming it lightly.
45 Approximately 3-feet of the drag shall contact the surface, with the least possible bow in
46 its leading edge. It shall be kept wet and free of hardened lumps of concrete. When the
47 burlap drag fails to produce the required finish, the Contractor shall replace it. When not
48 in use, it shall be lifted clear of the bridge deck.
49

50 After the bridge deck has cured, the surface shall conform to the surface smoothness
51 requirements specified in Section 6-02.3(10)D3.
52

1 The surface texture on any area repaired to address out-of-tolerance surface
2 smoothness shall match closely that of the surrounding bridge deck area at the
3 completion of the repair. Methods used to remove high spots shall cut through the
4 mortar and aggregate without breaking or dislodging the aggregate or causing spalls.
5

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

7 Bridge approach slabs shall be textured either in accordance with Section 6-02.3(10)D5,
8 or using metal tined combs in the transverse direction, except bridge approach slabs
9 receiving an overlay in the same Contract shall be finished as specified in Section 6-
10 02.3(10)D5 only.
11

12 The comb shall be made of a single row of metal tines. It shall leave striations in the
13 fresh concrete approximately 3/16-inch deep by 1/8-inch wide and spaced
14 approximately 1/2-inch apart. The Engineer will decide actual depths at the site. If the
15 comb has not been approved, the Contractor shall obtain the Engineer's approval by
16 demonstrating it on a test section. The Contractor may operate the combs manually or
17 mechanically, either singly or with several placed end to end. The timing and method
18 used shall produce the required texture without displacing larger particles of aggregate.
19

20 Texturing shall end 2-feet from curb lines. This 2-foot untextured strip shall be hand
21 finished with a steel trowel.
22

23 Surface smoothness, high spots, and low spots shall be addressed as specified in
24 Section 6-02.3(10)D5. The surface texture on any area cut down or built up shall match
25 closely that of the surrounding bridge approach slab area. The entire bridge approach
26 slab shall provide a smooth riding surface.
27

28 **6-02.3(10)F Bridge Approach Slab Orientation and Anchors**

29 In the first paragraph, the following sentence is inserted after the first sentence:
30

31 Unless otherwise shown in the Plans, the pavement end of the bridge approach slab
32 shall be constructed normal to the Roadway centerline.
33

34 The following new paragraph is inserted before the last paragraph:
35

36 The compression seal shall be a 2-1/2 inch wide gland selected from the current
37 Qualified Products List.
38

39 **6-02.3(11) Curing Concrete**

40 Items number 1 through 4 are deleted and replaced with the following 5 new numbered
41 items:
42

- 43 1. Bridge sidewalks, roofs of cut and cover tunnels — curing compound covered by
44 white, reflective type sheeting or continuous wet curing. Curing by either method
45 shall be for at least 10 days.
46
- 47 2. Bridge decks — See Section 6-02.3(11)B.
48
- 49 3. Bridge approach slabs (Class 4000A concrete) - 2 coats of curing compound and
50 continuous wet cure for at least 10-days.
51
- 52 4. Concrete barriers and rail bases – See Section 6-02.3(11)A.

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5. All other concrete surfaces — continuous wet cure for at least three days.

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

During the continuous wet cure, the Contractor shall keep all exposed concrete surfaces saturated with water. Formed concrete surfaces shall be kept in a continuous wet cure by leaving the forms in place. If forms are removed during the continuous wet cure period, the Contractor shall treat the concrete as an exposed concrete surface.

The third paragraph is revised to read:

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

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

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

The eighth paragraph is deleted.

6-02.3(11)A2 Slip-Form Barrier

In the fourth paragraph, item number 1, "Type 1D" is revised to read "Type 1".

6-02.3(11)B Curing Bridge Decks

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

6-02.3(11)B1 Equipment

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

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

6-02.3(11)B2 Curing

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

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

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

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1. The Contractor shall fog the bridge deck while maintaining a wet sheen without developing pooling or sheeting water.
2. The Contractor shall apply the presoaked burlap to the top surface to fully cover the deck without damaging the finish, other than minor marring of the concrete surface. The Contractor shall not apply curing compound.
3. The Contractor shall continue to keep the burlap wet by fog spraying until the burlap is covered by soaker hoses and white reflective sheeting. The Contractor shall place the soaker hoses and whiter reflective sheeting after the concrete has achieved initial set. The Contractor shall charge the soaker hoses frequently so as to keep the burlap covering the entire deck wet during the course of curing.

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

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

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

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

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

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

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

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

6-02.3(12)B Construction Joints Between Existing and New Construction

The phrase "by method(s) as approved by the Engineer" is deleted from each paragraph in this section.

6-02.3(13) Expansion Joints

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

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Joints made of a vulcanized, elastomeric compound (with neoprene as the only polymer) shall be installed with a lubricant adhesive as recommended by the manufacturer.

In the third paragraph, "injuring" is revised to read "damaging".

The following two new subsections are added:

6-02.3(13)A Strip Seal Expansion Joint System

The Contractor shall submit Working Drawings consisting of the strip seal expansion joint shop drawings in accordance with Section 6-03.3(7). These plans shall include, at a minimum, the following:

1. Plan, elevation, and sections of the joint system and all components, with dimensions and tolerances.
2. All material designations.
3. Manufacturer's written installation procedure.
4. Corrosion protection system used on the metal components.
5. Locations of welded shear studs, lifting mechanisms, temperature setting devices, and construction adjustment devices.
6. Method of sealing the system to prevent leakage of water through the joint.

The strip seal shall be removable and replaceable.

The metal components shall conform to ASTM A 36, ASTM A 992, or ASTM A 572, and shall be protected against corrosion by one of the following methods:

1. Zinc metallized in accordance with Section 6-07.3(14).
2. Hot-dip galvanized in accordance with AASHTO M 111.
3. Paint in accordance with Section 6-07.3(9). The color of the top coat shall be Federal Standard 595 Color No. 26420. The surfaces embedded in concrete shall be painted only with a shop primer coat of paint conforming to Section 9-08.1(2)C.

The strip seal gland shall be continuous for the full length of the joint with no splices permitted, unless otherwise shown in the Plans.

Other than items shown in the Plans, threaded studs used for construction adjustments are the only items that may be welded to the steel shapes provided they are removed by grinding after use, and the area repaired by application of an approved corrosion protection system.

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If the opening between the steel shapes is anticipated to be less than 1-1/2 inches at the time of seal installation, the seal may be installed prior to encasement of the steel shapes in concrete.

After the joint system is installed, the joint shall be flooded with water and inspected, from below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the Contractor, as recommended by the manufacturer.

6-02.3(13)B Compression Seal Expansion Joint System

Compression seal glands shall be selected from the current Qualified Products List and sized as shown in the Plans.

The compression seal expansion joint system shall be installed in accordance with the manufacturer's written recommendations. The Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer's written installation procedure and repair procedures if leakage testing fails.

After the joint system is installed, the joint area shall be flooded with water and inspected, from below the joint, for leakage. If leakage is observed, the joint system shall be repaired by the Contractor, as recommended by the manufacturer.

6-02.3(14) Finishing Concrete Surfaces

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

The Contractor shall clean and refinish any stained or discolored surfaces.

The following new subsection is added:

6-02.3(14)D General Requirements for Concrete Surface Finishes Produced by Form Liners

Horizontal and vertical joints shall be spliced in accordance with the manufacturer's printed instructions. The Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer's joint splice instructions.

Horizontal splicing of ABS and plastic form liners to achieve the required height is not permitted and there shall be no horizontal joints. The concrete formed with ABS and plastic form liners shall be given a light sandblast to remove the glossy finish.

Side forms, traffic barrier forms, and pedestrian barrier forms using these form liners may be removed after 24 hours provided the concrete mix used includes a water-reducing admixture, and the concrete reaches 1,400 psi minimum compressive strength before form removal. Concrete in load supporting forms utilizing these form liners shall be cured in accordance with Section 6-02.3(17)N. Once the forms are removed, the Contractor shall treat the joint areas by patching or light sandblasting as required by the Engineer to ensure that the joints are not visible.

Form liners shall be cleaned, reconditioned, and repaired before each use. Form liners with repairs, patches, or defects which, in the opinion of the Engineer, would result in adverse effects to the concrete finish shall not be used.

Care shall be taken to ensure uniformity of color throughout the textured surface. A change in form release agent will not be allowed.

1
2 All surfaces formed by the form liner shall also receive a Class 2 surface finish. Form
3 ties shall be a type that leaves a clean hole when removed. All spalls and form tie holes
4 shall be filled as specified for a Class 2 surface finish.
5

6 **6-02.3(14)C Pigmented Sealer for Concrete Surfaces**

7 The first sentence (up until the colon) is revised to read:
8

9 The Contractor shall submit a Type 1 Working Drawing consisting of the pigmented
10 sealer manufacturer's written instructions covering, at a minimum, the following:
11

12 The second paragraph is deleted.
13

14 In the last sentence of the third paragraph, "approval" is revised to read "acceptance".
15

16 **6-02.3(15) Date Numerals**

17 The third sentence in the first paragraph is revised to read:
18

19 When an existing Structure is widened or when traffic barrier is placed on an existing
20 Structure, the date shall be for the year in which the original Structure was completed.
21

22 **6-02.3(16) Plans for Falsework and Formwork**

23 This section is revised to read:
24

25 The Contractor shall submit all plans for falsework and formwork as Type 2E Working
26 Drawings. Submittal is not required for footing or retaining wall formwork if the wall is 4
27 feet or less in height (excluding pedestal height).
28

29 The design of falsework and formwork shall be based on:
30

- 31 1. Applied loads and conditions which are no less severe than those described in
32 Section 6-02.3(17)A, Design Loads;
33
- 34 2. Allowable stresses and deflections which are no greater than those described in
35 Section 6-02.3(17)B, Allowable Stresses and Deflections;
36
- 37 3. Special loads and requirements no less severe than those described in
38 Section 6-02.3(17)C, Falsework and Formwork at Special Locations;
39
- 40 4. Conditions required by other Sections of 6-02.3(17), Falsework and Formwork.
41

42 The falsework and formwork plans shall be scale drawings showing the details of
43 proposed construction, including: sizes and properties of all members and components;
44 spacing of bents, posts, studs, wales, stringers, wedges and bracing; rates of concrete
45 placement, placement sequence, direction of placement, and location of construction
46 joints; identification of falsework devices and safe working loads as well as identification
47 of any bolts or threaded rods used with the devices including their diameter, length,
48 type, grade, and required torque. The falsework plans shall show the proximity of
49 falsework to utilities or any nearby Structures including underground Structures.
50 Formwork accessories shall be identified according to Section 6-02.3(17)H, Formwork
51 Accessories. All assumptions, dimensions, material properties, and other data used in
52 making the structural analysis shall be noted on the drawing.

1
2 The Contractor shall furnish associated design calculations to the Engineer as part of
3 the submittal. The design calculations shall show the stresses and deflections in load
4 supporting members. Construction details which may be shown in the form of sketches
5 on the calculation sheets shall be shown in the falsework or formwork drawings as well.
6 Falsework or formwork plans will be rejected in cases where it is necessary to refer to
7 the calculation sheets for information needed for complete understanding of the
8 falsework and formwork plans or how to construct the falsework and formwork.
9

10 Each sheet of falsework and formwork plans shall carry the following:

- 11 1. The initials and dates of all participating design professionals.
- 12 2. Clear notation of all revisions including identification of who authorized the
13 revision, who made the revision, and the date of the revision.
- 14 3. The Contract number, Contract title, and sequential sheet number. These shall
15 also be on any related documents.
- 16 4. Identify where the falsework and formwork plan will be utilized by referencing
17 Contract Plan sheet number and related item or detail.
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23 **6-02.3(16)A Nonpreapproved Falsework and Formwork Plans**

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

25 **6-02.3(16)A Vacant**

26 **6-02.3(16)B Preapproved Formwork Plans**

27 This section, including title, is revised to read:

28 **6-02.3(16)B Pre-Contract Review of Falsework and Formwork Plans**

29 The Contractor may request pre-contract review of formwork plans for abutments,
30 wingwalls, diaphragms, retaining walls, columns, girders and beams, box culverts,
31 railings, and bulkheads. Plans for falsework supporting the bridge deck for interior
32 spans between precast prestressed concrete girders may also be submitted for pre-
33 contract review.
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38 To obtain pre-contract review, the Contractor shall electronically submit drawings and
39 design calculations in PDF format directly to:

40 BridgeConstructionSupport@wsdot.wa.gov

41
42 The Bridge and Structures Office, Construction Support Engineer will return the
43 falsework or formwork plan to the Contractor with review notes, an effective date of
44 review, and any revisions needed prior to use. For each contract on which the pre-
45 reviewed falsework or formwork plans will be used, the Contractor shall submit a copy
46 to the Engineer. Construction shall not begin until the Engineer has given concurrence.
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48

49 If the falsework or formwork being constructed has any deviations to the preapproved
50 falsework or formwork plan, the Contractor shall submit plan revisions for review and
51 approval in accordance with Section 6-02.3(16).
52

1 **6-02.3(17)A Design Loads**

2 The fifth paragraph is revised to read:

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

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

12 **6-02.3(17)J Face Lumber, Studs, Wales, and Metal Forms**

13 The second and third to last paragraphs are deleted.

15 **6-02.3(17)K Concrete Forms on Steel Spans**

16 The second sentence of the last paragraph is revised to read:

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The Contractor shall fill the holes with fully torqued ASTM A 325 bolts in accordance with Section 6-03.3(33).

21 **6-02.3(17)O Early Concrete Test Cylinder Breaks**

22 The third paragraph is revised to read:

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

27 **6-02.3(20) Grout for Anchor Bolts and Bridge Bearings**

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

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

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

38 **6-02.3(24)C Placing and Fastening**

39 The twelfth paragraph is revised to read:

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In bridge decks, a "mat" is two adjacent and perpendicular layers of reinforcing steel. Top and bottom mats shall be supported adequately to hold both in their proper positions. If No. 4 bars make up the lower layer of steel in a mat, it shall be blocked at not more than 3-foot intervals (or 4-foot intervals for bars No. 5 and larger). Wire ties to girder stirrups shall not be considered as blocking. To provide a rigid mat, the Contractor shall add other supports and tie wires to the top mat as needed.

In the fourteenth paragraph, the description following "2½ inches between" is revised to read:

Adjacent bars in a layer. Bridge deck and bridge approach slab bars and the top of the slab.

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In the fourteenth paragraph, the description following "2 inches between" is supplemented with the following new sentence:

Bars and the surface of concrete when not specified otherwise in this Section or in the Plans.

In the fourteenth paragraph, the first sentence in the description following "1 ½ inches between" is deleted.

The fifteenth paragraph is revised to read:

Except for top cover in bridge decks and bridge approach slabs, cover to ties and stirrups may be ½ inch less than the values specified for main bars but shall not be less than 1 inch.

In the sixteenth paragraph, the first item in the second subparagraph is revised to read:

The clearance to the top surface of bridge decks
and bridge approach slabs +¼ in/-0".

6-02.3(24)E Welding Reinforced Steel

This section is revised to read:

Welding of steel reinforcing bars shall conform to the requirements of ANSI/AWS D1.4 Structural Welding Code - Reinforcing Steel, latest edition, except where superseded by the Special Provisions, Plans, and these Specifications.

Before any welding begins, the Contractor shall submit a Type 2 Working Drawing consisting of the welding procedure for each type of welded splice to be used, including the weld procedure specifications and joint details. The weld procedure specifications shall be written on a form taken from AWS D1.4 Annex A, or equivalent. Test results of tensile strength, macroetch, and visual examination shall be included. The form shall be signed and dated.

Welders shall be qualified in accordance with AWS D1.4. The Contractor shall be responsible for the testing and qualification of welders, and shall submit Type 2 Working Drawings consisting of welder qualification and retention records. The weld joint and welding position a welder is qualified in shall be in accordance with AWS D1.4. The welder qualifications shall remain in effect indefinitely unless, (1) the welder is not engaged in a given process of welding for which the welder is qualified for a period exceeding six months, or (2) there is some specific reason to question a welder's ability.

Filler metals used for welding reinforcing bars shall be in accordance with AWS D1.4 Table 5.1. All filler metals shall be low-hydrogen and handled in compliance with low-hydrogen practices specified in the AWS code.

Short circuiting transfer with gas metal arc welding will not be allowed. Slugging of welds will not be allowed.

For the purpose of compatibility with AWS D1.4, welded lap splices for spiral or hoop reinforcing shall be considered Flare-V groove welds, indirect butt joints.

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The Contractor is responsible for using a welding sequence that will limit the alignment distortion of the bars due to the effects of welding. The maximum out-of-line permitted will be 1/4 inch from a 3.5-foot straight-edge centered on the weld and in line with the bar.

The ground wire from the welding machine shall be clamped to the bar being welded.

Where epoxy-coated steel reinforcing bars are specified to be spliced by welding, the epoxy coating shall be left off or removed from the surfaces to be heated, but in no cases less than six inches of each bar being welded. After the welding is complete, the Contractor shall apply epoxy patching material to the uncoated portions of the bar in accordance with Section 6-02.3(24)H.

6-02.3(25) Prestressed Concrete Girders

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

WSDOT certification will be granted at, and renewed during, the annual prestressed plant review and approval process in accordance with WSDOT Materials Manual M 46-01.04 Standard Practice QC 6.

6-02.3(25)I Fabrication Tolerances

In the first paragraph, item number 21 is revised to read:

21. Differential Camber Between Girders in a Span (measured in place at the job site):

For deck bulb tee girders and PCPS members with grouted shear keys:	Cambers shall be equalized when the differences in cambers between adjacent girders exceeds $\pm \frac{1}{4}$ inch
For deck bulb tee girders and PCPS members without grouted shear keys:	Cambers shall be equalized when the differences in cambers between adjacent girders exceeds $\pm \frac{1}{2}$ inch
For all other prestressed concrete girders:	$\pm \frac{1}{4}$ inch per 10 feet of girder length

6-02.3(25)O Deck Bulb Tee Girder Flange Connection

This section, including title, is revised to read:

Deck Bulb Tee Girder Flange and PCPS Member Connection

The Contractor shall submit a method of equalizing deflections as a Type 1 Working Drawing. Any temporary strands in the top flange shall be cut per Section 6-02.3(25)N prior to equalizing girder deflections.

Deck bulb tee girders and PCPS members with grouted shear keys shall be constructed in the following sequence:

1. Deflections shall be equalized per the Contractor's equalization plan.
2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding ground shall be attached directly to the steel plates being welded when welding the weld-ties.

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- 3. The keyways shown in the Plans to receive grout shall be filled flush with the surrounding surfaces using a grout conforming to Section 9-20.3(2).
- 4. Equalization equipment shall not be removed and other construction equipment shall not be placed on the structure until intermediate diaphragms have attained a minimum compressive strength of 2,500 psi and keyway grout has achieved a minimum compressive strength of 4000 psi.

Deck bulb tee girders and PCPS members without grouted shear keys shall be constructed in the following sequence:

- 1. Deflections shall be equalized per the Contractor's equalization plan.
- 2. Intermediate diaphragms shall be placed and weld ties shall be welded. Welding ground shall be attached directly to the steel plates being welded when welding the weld-ties.
- 3. Equalization equipment shall not be removed and other construction equipment shall not be placed on the structure until intermediate diaphragms have attained a minimum compressive strength of 2,500 psi.

6-02.3(26)F Prestressing Reinforcement

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

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

6-02.3(28) Precast Concrete Panels

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

WSDOT Certification will be granted at, and renewed during, the annual precast plant review and approval process in accordance with WSDOT Materials Manual M 46-01.04 Standard Practice QC 7.

6-02.4 Measurement

The following three new paragraphs are inserted before the last paragraph:

Expansion joint system___seal - superstr. will be measured by the linear foot along its completed line and slope.

Expansion joint modification will be measured by the linear foot of expansion joint modified along its completed line and slope.

Prestressed concrete girder will be measured by the linear foot of girder specified in the Proposal.

6-02.5 Payment

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

1 All costs in connection with concrete curing, producing concrete surface finish with form
2 liners, and furnishing and applying pigmented sealer to concrete surfaces as specified,
3 shall be included in the unit contract price per cubic yard for "Conc. Class ____".
4

5 The following new paragraph is inserted after the bid item "Superstructure (name bridge)",
6 lump sum:
7

8 All costs in connection with constructing, finishing and removing the bridge deck test
9 slab as specified in Section 6-02.3(10)D1 shall be included in the lump sum Contract
10 price for "Superstructure____" or "Bridge Deck____" for one bridge in each project, as
11 applicable.
12

13 In the paragraph following the bid item "Epoxy-Coated St. Reinf. Bar ____", per pound, the
14 first sentence is revised to read:
15

16 Payment for reinforcing steel shall include the cost of drilling holes in concrete for, and
17 setting, steel reinforcing bar dowels with epoxy bonding agent, and furnishing,
18 fabricating, placing, and splicing the reinforcement.
19

20 The bid item "Cure Box", lump sum and paragraph following bid item are deleted.
21

22 The following three new bid items are inserted before the bid item "Bridge Approach Slab",
23 per square yard:
24

25 "Expansion Joint System ____ - Superstr.", per linear foot.
26

27 "Expansion Joint Modification - ____", per linear foot.
28

29 "Prestressed Conc. Girder ____", per linear foot.
30

31 **6-03.AP6**

32 **Section 6-03, Steel Structures**
33 **April 6, 2015**

34 **6-03.2 Materials**

35 The first sentence in the fifth paragraph is revised to read:
36

37 The Contractor shall submit Type 1 Working Drawings describing the methods for
38 visibly marking the material so that it can be traced.
39

40 **6-03.3 Construction Requirements**

41 This section is revised to read:
42

43 Structural steel fabricators of plate and box girders, floorbeams, truss members,
44 stringers, cross frames, diaphragms, and laterals shall be certified under the AISC
45 Certification Program for Steel Bridge Fabricators, Advanced Bridges Category. When
46 fracture critical members are specified in the contract, structural steel fabricators shall
47 also meet the supplemental requirements F, Bridges with Fracture-Critical Members,
48 under the AISC Certification Program for Steel Bridge Fabricators.
49

1 **6-03.3(7) Shop Plans**

2 This section is revised to read:

3

4 The Contractor shall submit all shop detail plans for fabricating the steel as Type 2
5 Working Drawings.

6

7 If these plans will be submitted directly from the fabricator, the Contractor shall so notify
8 the Engineer in writing.

9

10 No material shall be fabricated until: (1) the Working Drawing review is complete, and
11 (2) the Engineer has accepted the materials source.

12

13 Before physical completion of the project, the Contractor shall furnish the Engineer one
14 set of reproducible copies of the as-built shop plans. The reproducible copies shall be
15 clear, suitable for microfilming, and on permanent sheets that measure no smaller than
16 11 by 17-inches. Alternatively, the shop drawings may be provided in an electronic
17 format with the concurrence of the Engineer.

18

19 **6-03.3(7)A Erection Methods**

20 The first paragraph is revised to read:

21

22 Before beginning to erect any steel Structure, the Contractor shall submit Type 2E
23 Working Drawings consisting of the erection plan and procedure describing the methods
24 the Contractor intends to use.

25

26 The second paragraph (up until the colon) is revised to read:

27

28 The erection plan and procedure shall provide complete details of the erection process
29 including, at a minimum, the following:

30

31 The third paragraph (up until the colon) is revised to read:

32

33 As part of the erection plan Working Drawings, the Contractor may submit details of an
34 engineered and fabricated lifting bracket bolted to the girder top flanges providing the
35 following requirements are satisfied:

36

37 In the third paragraph, the second sentence of item number 4 is revised to read:

38

39 Certification documentation from a previous project may be submitted;

40

41 The last sentence of the fourth paragraph is deleted.

42

43 The last paragraph is deleted.

44

45 **6-03.3(10) Straightening Bent Material**

46 In the first paragraph, the last sentence is revised to read:

47

48 A limited amount of localized heat may be applied only if carefully planned and
49 supervised, and only in accordance with the heat-straightening procedure Working
50 Drawing submittal.

51

52 The third paragraph is revised to read:

1
2 After straightening, the Contractor shall inspect the member for fractures using a
3 method proposed by the Contractor and accepted by the Contracting Agency.
4

5 The last paragraph is revised to read:
6

7 The procedure for heat straightening of universal mill (UM) plates by the mill or the
8 fabricator shall be submitted as a Type 2 Working Drawing.
9

10 **6-03.3(14) Edge Finishing**

11 In the first paragraph, the last sentence is revised to read:
12

13 Corners along exposed edges shall be broken by light grinding or another method
14 acceptable to the Engineer to achieve an approximate 1/16-inch chamfer or rounding.
15

16 In the fifth paragraph, the last sentence is revised to read:
17

18 The fabricator shall prevent excessive hardening of flange edges through preheating,
19 post heating, or control of the burning process as recommended by the steel
20 manufacturer.
21

22 The sixth paragraph is revised to read:
23

24 Hardness testing shall consist of testing thermal-cut edges with a portable hardness
25 tester. The hardness tester, and its operating test procedures, shall be submitted as a
26 Type 1 Working Drawing. The hardness tester shall be convertible to Rockwell C scale
27 values.
28

29 In the last paragraph, the last sentence is revised to read:
30

31 If thermal-cutting operations conform to procedures established by the steel
32 manufacturer, and hardness testing results are consistently within acceptable limits, the
33 Engineer may authorize a reduction in the testing frequency.
34

35 **6-03.3(15) Planing of Bearing Surfaces**

36 This section is supplemented with the following new paragraph:
37

38 Where mill to bear is specified in the Plans, the bearing end of the stiffener shall be
39 flush and square with the flange and shall have at least 75 percent of this area in
40 contact with the flange.
41

42 **6-03.3(25) Welding and Repair Welding**

43 In the first paragraph, the first sentence is revised to read:
44

45 Welding and repair welding of all steel bridges shall comply with the AASHTO/AWS
46 D1.5M/D1.5, latest edition, Bridge Welding Code.
47

48 In the second paragraph, the last sentence is revised to read:
49

50 No welding, including tack and temporary welds shall be done in the shop or field unless
51 the location of the welds is shown on the shop drawings reviewed and accepted by the
52 Engineer.

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

Welding procedures shall accompany the shop drawing Working Drawing submittal.

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

Welding shall not begin until completion of the shop plan Working Drawing review as required in Section 6-03.3(7).

In item number 1 of the ninth paragraph, "approves" is revised to read "concur".

6-03.3(25)A3 Ultrasonic Inspection

The following new paragraph is inserted before the last paragraph:

A minimum of 30 percent of complete penetration vertical welds on steel column jackets thicker than 5/16-inch, within 1.50 column jacket diameter of the top and bottom of each column, shall be inspected. If any rejectable flaws are found, 100 percent of the weld within the specified limits shall be inspected. The largest column cross section diameter for tapered column jackets shall constitute one column jacket diameter.

6-03.3(25)A4 Magnetic Particle Inspection

Items number 3 and 4 are revised to read:

- 3. Complete penetration groove welds on plates 5/16-inch or thinner (excluding steel column jackets) shall be 100 percent tested by the magnetic particle method. Testing shall apply to both sides of the weld, if backing plate is not used. The ends of each complete penetration groove weld at plate edges shall be tested by the magnetic particle method.
- 4. A minimum of 30 percent of complete penetration vertical welds on steel column jackets 5/16-inch or thinner, within 1.50 column jacket diameters of the top and bottom of each column, shall be magnetic particle inspected. The largest column cross section diameter for tapered column jackets shall constitute one column jacket diameter.

The last paragraph is supplemented with the following new sentence:

If any rejectable flaws are found in any test length of item 4 above, 100 percent of the weld within the specified limits shall be inspected.

6-03.3(27) High Strength Bolt Holes

The last paragraph is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of a detailed outline of the procedures proposed to accomplish the work from initial drilling through shop assembly.

6-03.3(27)C Numerically Controlled Drilled Connections

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

1 The Contractor shall submit Type 1 Working Drawings consisting of a detailed outline of
2 proposed N/C procedures.
3

4 **6-03.3(29) Welded Shear Connectors**

5 This section's content is deleted and replaced with the following:
6

7 Installation, production control, and inspection of welded shear connectors shall
8 conform to Chapter 7 of the AASHTO/AWS D1.5M/D1.5:2010 Bridge Welding Code. If
9 welded shear connectors are installed in the shop, installation shall be completed prior
10 to applying the shop primer coat in accordance with Section 6-07.3(9)G. If welded shear
11 connectors are installed in the field, the steel surface to be welded shall be prepared to
12 SSPC-SP 11, power tool cleaning, just prior to welding.
13

14 **6-03.3(33) Bolted Connections**

15 In the second paragraph, the first sentence is revised to read:
16

17 The Contractor shall submit Type 1 Working Drawings providing documentation of the
18 bolt tension calibrator, including brand, capacity, model, date of last calibration, and
19 manufacturer's instructions for use.
20

21 In the second sentence of the second paragraph, the word "approved" is deleted.
22

23 In item number 3 of the fifth paragraph, "approved" is revised to read "specified".
24

25 In the center column header of table 1, "AASHTO M 164" is revised to read "ASTM A 325".
26

27 In the column headings of table 3, "M 164" is revised to read "A 325".
28

29 In the tenth paragraph, item number 3, "approved" is revised to read "accepted" in the
30 second and third sentences of the first paragraph.
31

32 In the tenth paragraph, item number 3, the third paragraph is revised to read:
33

34 The Contractor shall submit Type 1 Working Drawings of the tension control bolt
35 assembly, including bolt capacities, type of bolt, nut, and washer lubricant, method of
36 packaging and protection of the lubricated bolt, installation equipment, calibration
37 equipment, and installation procedures.
38

39 In the first sentence of the last paragraph, "AASHTO M 164" is revised to read "ASTM A
40 325".
41

42 The second sentence of the last paragraph is revised to read:
43

44 Black ASTM A 325 bolts may be reused once if accepted by the Engineer.
45 In the last paragraph, the fourth sentence is revised to read:
46

47 Bolts to be reused shall be relubricated in accordance with the manufacturer's
48 recommendations.
49

50 **6-03.3(33)A Pre-Erection Testing**

51 In the fifth sentence of the first paragraph, "approved" is revised to read "accepted".
52

- 1 The third paragraph is revised to read:
2
3 The Contractor shall submit Type 1 Working Drawings consisting of the manufacturer's
4 detailed procedure for pre-erection (rotational capacity) testing of tension control bolt
5 assemblies.
6
- 7 **6-03.3(33)B Bolting Inspection**
8 In the last sentence of the first paragraph, "approved" is revised to read "specified".
9
- 10 The last paragraph is revised to read:
11
12 The Contractor shall submit Type 1 Working Drawings consisting of the manufacturer's
13 detailed procedure for routine observation to ensure proper use of the tension control
14 bolt assemblies.
15
- 16 **6-03.3(42) Surface Condition**
17 The first subparagraph is revised to read:
18
19 Painted steel surfaces shall be cleaned by methods required for the type of staining.
20 The Contractor shall submit a Type 1 Working Drawing of the cleaning method.
21
- 22 **6-04.AP6**
- 23 **Section 6-04, Timber Structures**
24 **January 5, 2015**
- 25 **6-04.3(3) Shop Details**
26 This section is revised to read:
27
28 The Contractor shall submit Type 2 Working Drawings consisting of shop detail plans
29 for all treated timber. These plans shall show dimensions for all cut, framed, or bored
30 timbers.
31
- 32 **6-05.AP6**
- 33 **Section 6-05, Piling**
34 **January 5, 2015**
- 35 **6-05.3(2) Ordering Piling**
36 The last paragraph is deleted.
37
- 38 **6-05.3(3)A Casting and Stressing**
39 In the second sentence of the first paragraph, "poured" is revised to read "cast".
40
- 41 **6-05.3(4) Manufacture of Steel Casings for Cast-In-Place Concrete Piles**
42 This section is revised to read:
43
44 The diameter of steel casings shall be as specified in the Contract. A full-penetration
45 groove weld between welded edges is required.
46

1 **6-05.3(5) Manufacture of Steel Piles**

2 This section is revised to read:

3
4 Steel piles shall be made of rolled steel H-pile sections, steel pipe piles, or of other
5 structural steel sections described in the Contract. A full-penetration groove weld
6 between welded edges is required.
7

8 **6-05.3(6) Splicing Steel Casings and Steel Piles**

9 This section is revised to read:

10
11 The Engineer will normally permit steel piles and steel casings for cast-in-place
12 concrete piles to be spliced. But in each case, the Contractor shall submit Type 2
13 Working Drawings supporting the need and describing the method for splicing. Welded
14 splices shall be spaced at a minimum distance of 10 feet. Only welded splices will be
15 permitted.
16

17 Splice welds for steel piles shall comply with Section 6-03.3(25) and AWS D1.1/D1.1M,
18 latest edition, Structural Welding Code. Splicing of steel piles shall be performed in
19 accordance with an approved weld procedure. The Contractor shall submit a Type 2
20 Working Drawing consisting of the weld procedure. For ASTM A 252 material, mill
21 certification for each lot of pipe to be welded shall accompany the submittal. The ends
22 of all steel pipe piling shall meet the fit-up requirements of AWS D1.1/D1.1M, latest
23 edition, Structural Welding Code Section 5.22.3.1, "Girth Weld Alignment (Tubular),"
24 when the material is spliced utilizing a girth weld.
25

26 Splice welds of steel casings for cast-in-place concrete piles shall be the Contractor's
27 responsibility and shall be welded in accordance with AWS D1.1/D1.1M, latest edition,
28 Structural Welding Code. A weld procedure submittal is not required for steel casings
29 used for cast-in-place concrete piles. Casings that collapse or are not watertight, shall
30 be replaced at the Contractor's expense.
31

32 **6-05.3(7)B Precast Concrete Piles**

33 The second to last sentence of the second paragraph is revised to read:

34
35 The Contractor shall submit Type 2 Working Drawings consisting of the method of lifting
36 the piles.
37

38 **6-05.3(8) Pile Tips and Shoes**

39 In the last paragraph, the second and third sentences are deleted and replaced with the
40 following new sentence:

41
42 If pile tips or shoes other than those denoted in the Qualified Products List are
43 proposed, the Contractor shall submit Type 2 Working Drawings consisting of shop
44 drawings of the proposed pile tip along with design calculations, specifications, material
45 chemistry and installation requirements, along with evidence of a pile driving test
46 demonstrating suitability of the proposed pile tip.
47

48 **6-05.3(9)A Pile Driving Equipment Approval**

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

50
51 Prior to driving any piles, the Contractor shall submit Type 2 Working Drawings
52 consisting of details of each proposed pile driving system.

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

The Contractor shall submit Type 2E Working Drawings consisting of a wave equation analysis for all pile driving systems used to drive piling with required ultimate bearing capacities of greater than 300 tons.

In the second paragraph, the second sentence is deleted.

The last paragraph is revised to read:

Changes to the pile driving system after completion of the Working Drawing review require a revised Working Drawing submittal.

6-05.3(9)B Pile Driving Equipment Minimum Requirements

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

For each drop hammer used, the Contractor shall weigh it in the Engineer's presence or submit a Type 1 Working Drawing consisting of a certificate of its weight.

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

For each diesel, hydraulic, steam, or air-driven hammer used, the Contractor shall submit a Type 1 Working Drawing consisting of the manufacturer's specifications and catalog.

In the fourth paragraph, "approval" is revised to read "permission".

The ninth paragraph is revised to read:

These requirements for minimum hammer size may be waived if a Type 2E Working Drawing is submitted consisting of a wave equation analysis demonstrating the ability of the hammer to obtain the required bearing capacity and minimum tip elevation without damage to the pile.

6-05.3(9)C Pile Driving Leads

In the third paragraph, "approved" is revised to read "permitted".

6-05.3(11)F Pile Damage

In the first sentence of the second paragraph, "approved" is revised to read "accepted".

6-05.3(11)G Pile Cutoff

In the first paragraph, "Engineer's approval" is revised to read "Engineer's permission".

6-05.3(11)H Pile Driving From or Near Adjacent Structures

In the first paragraph, item number 3 is revised to read:

- 3. Type 2E Working Drawings are submitted in accordance with Sections 1-05.3 and 6-02.3(16), showing the structural adequacy of the existing Structure to safely support all of the construction loads.

1 **6-05.3(12) Determination of Bearing Values**

2 In the footnote below the formula, "approved by the Engineer" is revised to read "acceptable
3 to the Engineer".
4

5 **6-05.3(13) Treatment of Timber Pile Heads**

6 In the second paragraph, the first sentence is revised to read:
7

8 After cutting treated timber piles to correct elevation, the Contractor shall brush three
9 coats of a preservative that meets the requirements of Section 9-09 on all pile heads
10 (except those to be covered with concrete footings or concrete caps).
11

12 **6-05.3(15) Completion of Cast-in-Place Concrete Piles**

13 In the first paragraph, "approval" is revised to read "acceptance".
14

15 **6-06.AP6**

16 **Section 6-06, Bridge Railings**

17 **January 5, 2015**

18 **6-06.3(2) Metal Railings**

19 The second paragraph is revised to read:
20

21 Before fabricating the railing, the Contractor shall submit Type 2 Working Drawings
22 consisting of the shop plans. The Contractor may substitute other rail connection details
23 for those shown in the Plans if details of these changes show in the shop plans and if
24 the Engineer accepts them in the Working Drawing response comments. In reviewing
25 the shop plan Working Drawings, the Engineer indicates only that they are adequate
26 and complete enough. The review does not indicate a check on dimensions.
27

28 **6-07.AP6**

29 **Section 6-07, Painting**

30 **January 5, 2015**

31 **6-07.3 Painting**

32 This section is supplemented with the following new subsections:
33

34 **6-07.3(14) Metallic Coatings**

35
36 **6-07.3(14)A General Requirements**

37 This specification covers the requirements for thermal spray metallic coatings, with
38 and without additional paint coats, as a means to prevent corrosion.
39

40 The coating system consists of surface preparation by wash cleaning and abrasive
41 blast cleaning, thermal spray application of a metallic coating using a material
42 made specifically for that purpose, and, when specified, shop primer coat or shop
43 primer coat plus top coat in accordance with Section 6-07.3(11)A. The system also
44 includes inspection and acceptance requirements.
45

46 **6-07.3(14)B Reference Standards**

47 SSPC-SP 10/NACE No. 2 Near White Blast Cleaning

1	SSPC CS 23.00	Guide for Thermal Spray Metallic Coating Systems
2	ASTM-C-633	Standard Test Method for Adhesion or Cohesion
3		Strength of Thermal Spray Coatings
4	ASTM D 4417	Standard Test Methods for Field Measurement of
5		Surface Profile of Blast-Cleaned Steel
6	ASTM D 6386	Standard Practice for Preparation of Zinc (Hot-Dip
7		Galvanized) Coated Iron and Steel Product and
8		Hardware Surfaces for Painting
9	ASTM D 4541	Standard Test Method for Pull-Off Strength of Coatings
10		Using Portable Adhesion Testers
11	ANSI/AWS C2.18	Guide for the Protection of Steel with Thermal Sprayed
12		Coatings of Aluminum, Zinc and their Alloys and
13		Composites

14
15 **6-07.3(14)C Quality Assurance**

16 A representative sample of each lot of the coating material used shall be submitted
17 to the Engineer for analysis prior to use. Zinc shall have a minimum purity of 99.9
18 percent. Zinc Aluminum 85/15 wire shall be 14 percent minimum to 16 percent
19 maximum aluminum.

20
21 The thermal sprayed coating shall have a uniform appearance. The coating shall
22 not contain any blisters, cracks, chips or loosely adhering particles, oil or other
23 surface contaminants, nodules, or pits exposing the substrate.

24
25 The thermal spray coating shall adhere to the substrate with a minimum bond of
26 700 psi. The Contractor's QA program shall include thermal spray coating bond
27 testing.

28
29 The Engineer may cut through the coating with a knife or chisel. If upon doing so,
30 any part of the coating lifts away from the base metal 1/4 in. or more ahead of the
31 cutting blade without cutting the metal, then the bond is considered not effective
32 and is rejected.

33
34 Coated areas which have been rejected or damaged in the inspection procedure
35 described shall have the defective sections blast cleaned to remove all of the
36 thermal sprayed coating and shall then be recoated. Before resubmittal and
37 inspection, those sections where coating has not reached the required thickness
38 shall be sprayed with additional metal until that thickness is achieved.

39
40 **6-07.3(14)D Submittals**

41 The Contractor shall submit to the Engineer, prior to abrasive blast cleaning, a 12
42 inch square steel plate, of the same material and approximate thickness of the steel
43 to be coated, blasted clean in accordance with Section 6-07.3(14)E. The sample
44 plate will be checked for specified angular surface pattern, the abrasive grit size
45 and type used, and the procedure used. This plate shall be used as the visual
46 standard to determine the acceptability of the cleaned surface. In the event the
47 Contractor's cleaning operation is inferior to the sample plate, the Contractor shall
48 be required to correct the cleaning operation to do a job comparable to the
49 specimen submitted.

50
51 At the same time as submitting the abrasive blast cleaned steel plate sample, the
52 Contractor shall submit to the Engineer, a second 12 inch square steel plate of the

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same material and thickness, cleaned and thermal spray coated in accordance with the same processes and with the same equipment as intended for use in applying the thermal spray coatings. The Engineer may request additional cleaned and thermal spray coated samples to be produced and submitted coincident with thermal spray coating of the items specified in the Plans to receive thermal spray coatings.

6-07.3(14)E Surface Preparation

Surface irregularities (e.g., sharp edges and/or carburized edges, cracks, delaminations, pits, etc.) interfering with the application of the coating shall be removed or repaired, prior to wash cleaning. Thermal cut edges shall be ground to reduce hardness to attain the surface profile required from abrasive blast cleaning.

All dirt, oil, scaling, etc. shall be removed prior to blast cleaning. All surfaces shall be wash cleaned with either clean water at 8000 psi or water and detergent at 2000 psi with two rinses with clean water.

The surface shall be abrasive blast cleaned to near white metal (SSPC-SP 10). The surface profile shall be measured using a surface profile comparator, replica tape, or other method suitable for the abrasive being used in accordance with ASTM D 4417.

Where zinc coatings up to and including 0.009 inch thick are to be applied, one of the following abrasive grits shall be used with pressure blast equipment to produce a 3.0 mils AA anchor tooth pattern:

1. Aluminum oxide or silicon carbide
mesh size: SAE G-25 to SAE G-40
2. Hardened steel grit
mesh size: SAE G-25 to SAE G-40
3. Garnet, flint, or crushed nickel or black beauty coal slag
mesh size: SAE G-25 to SAE G-50

Where zinc coatings greater than 0.010 inch thick are to be applied, one of the following abrasive grits shall be used with pressure blast equipment to produce a 5.0 mils AA anchor tooth pattern:

1. Aluminum oxide or silicon carbide
mesh size: SAE G-18 to SAE G-25
2. Hardened steel grit
mesh size: SAE G-18 to SAE G-25
3. Garnet, flint, or crushed nickel or black beauty coal slag
mesh size: SAE G-18 to SAE G-25

The pressure of the blast nozzle, as measured with a needle probe gauge, with pressure type blasting equipment shall be as follows:

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1. With aluminum oxide, silicon carbide, flint, or slag - 50 psi minimum and 60 psi maximum.
2. With garnet or steel grit - 75 psi minimum.

The pressure at the blast nozzle, with siphon blasting (suction blasting), shall be as follows:

1. With aluminum oxide, silicon carbide, flint, or slag - 75 psi maximum.
2. With garnet or steel grit - 90 psi maximum.

The abrasive blast stream shall be directed onto the substrate surface at a spray angle of 75 to 90 degrees, and moved side to side. The nozzle to substrate distance shall be 4 to 12 inches.

6-07.3(14)F Application of Metallic Coating

No surface shall be sprayed which shows any sign of condensed moisture or which does not comply with Section 6-07.3(14)E. If rust bloom occurs within the holding time between abrasive blast cleaning and thermal spraying, the surface shall be reblasted at a blast angle as close to perpendicular to the surface as possible to achieve a 2.0 to 4.0 mil anchor tooth pattern. Thermal spraying shall not take place when the relative humidity is 90% or greater, when the steel temperature is less than 5°F above the dew point, or when the air or steel temperature is less than 40°F.

Clean, dry air shall be used with not less than 50 psi air pressure at the air regulator. Not more than 50 feet of 3/8 in. ID hose shall be used between the air regulator and the metallizing gun. The metallizing gun shall be started and adjusted with the spray directed away from the work. During the spraying operation and depending upon the equipment being used, the gun shall be held as close to perpendicular as possible to the surface from 5 to 8 inches from the surface of the work.

Manual spraying shall be done in a block pattern, typically 2 feet by 2 feet square. The sprayed metal shall overlap on each pass to ensure uniform coverage. The specified thickness of the coating shall be applied in multiple layers. In no case are fewer than two passes of thermal spraying, overlapping at right angles, acceptable.

At least one single layer of coating shall be applied within 4 hours of blasting and the surface shall be completely coated to the specified thickness within 8 hours of blasting.

The minimum coating thickness shall be 6 mils unless otherwise shown in the Plans.

6-07.3(14)G Applications of Shop Coats and Field Coats

The surface shall be wiped clean with solvent immediately before applying the wash primer. The wash primer shall have a low viscosity appropriate for absorption into the thermal spray coating, and shall be applied within 8 hours after completion of thermal spraying or before oxidation occurs. The dry film thickness of the wash primer shall not exceed 0.5 mils or be less than 0.3 mils. It shall be applied using

1 an appropriate spray gun except in those areas where brush or roller application is
2 necessary. The subsequent shop primer or field coats shall be applied no less than
3 one-half hour after a wash primer.
4

5 The shop primer coat, when specified, shall be applied in accordance with Section
6 6-07.3(11)A and the paint manufacturer's recommendations.
7

8 All field coats, when specified, shall be applied in accordance with Section 6-
9 07.3(11)A and the paint manufacturer's recommendations. The color of the top
10 coat shall conform to Section 6-03.3(30) as supplemented in these Special
11 Provisions.
12

13 **6-07.3(2) Submittals**

14 The first paragraph is revised to read:

15
16 The Contractor shall submit Type 2 Working Drawings of the painting plan.
17

18 **6-07.3(10)A Containment**

19 The second paragraph is revised to read:

20
21 The containment length shall not exceed the length of a span (defined as pier to pier).
22 The containment system shall not cause any damage to the existing structure. All
23 clamps and other attachment devices shall be padded or designed such that they shall
24 not mark or otherwise damage the steel member to which they are attached. All clamps
25 and other attachment devices shall be fully described in the Contractor's painting plan
26 Working Drawing submittal. Field welding of attachments to the existing structure will
27 not be allowed. The Contractor shall not drill holes into the existing structure or through
28 existing structural members except as shown in the Contractor's painting plan Working
29 Drawing submittal. All provisions for dust collection, ventilation and auxiliary lighting
30 within the containment system shall be fully described the Contractor's painting plan
31 Working Drawing submittal.
32

33 In the second to last paragraph, "approved" is revised to read "accepted".
34

35 **6-07.3(10)E Surface Preparation – Full Paint Removal**

36 This section is revised to read:

37
38 For structures where full removal of existing paint is specified, the Contractor shall
39 remove any visible oil, grease, and road tar in accordance with SSPC-SP 1.
40

41 Following preparation by SSPC-SP 1, all steel surfaces to be painted shall be prepared
42 in accordance with SSPC-SP 10, near-white metal blast cleaning. Surfaces inaccessible
43 to near-white metal blast cleaning shall be prepared in accordance with SSPC-SP 11,
44 power tool cleaning to bare metal, as allowed by the Engineer.
45

46 **6-07.3(10)F Collecting, Testing and Disposal of Containment Waste**

47 In the first paragraph, the last sentence before the numbered list is revised (up until the
48 colon) to read:

49
50 The sealed waste containers shall be stored in accordance with Section 1-06.4, the
51 painting plan, and the following requirements:
52

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

2

3 All material collected by and removed from the containment system shall be taken to a
4 landside staging area, provided by the Contractor, for further processing and storage
5 prior to transporting for disposal.

6

7 The ninth paragraph is revised to read:

8

9 The Contractor shall submit a Type 1 Working Drawing of all TCLP results.

10

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

12

13 The Contractor shall submit a Type 1 Working Drawing consisting of waste disposal
14 documentation within 15 working days of each disposal.

15

16 **6-07.3(10)K Coating Thickness**

17 The last paragraph is revised to read:

18

19 If the specified number of coats does not produce a combined dry film thickness of at
20 least the sum of the thicknesses required per coat, or if an individual coat does not meet
21 the minimum thickness, or if visual inspection shows incomplete coverage, the coating
22 system will be rejected, and the Contractor shall discontinue painting and surface
23 preparation operations and shall submit a Type 2 Working Drawing of the repair
24 proposal. The repair proposal shall include documentation demonstrating the cause of
25 the less than minimum thickness along with physical test results, as necessary, and
26 modifications to work methods to prevent similar results. The Contractor shall not
27 resume painting or surface preparation operations until receiving the Engineer's
28 acceptance of the completed repair.

29

30 **6-07.3(10)L Environmental Condition Requirements Prior to Application of 31 Paint**

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

33

34 If a paint system manufacturer's recommendations allow for application of a paint under
35 environmental conditions other than those specified, the Contractor shall submit a Type
36 2 Working Drawing consisting of a letter from the paint manufacturer specifying the
37 environmental conditions under which the paint can be applied.

38

39 In the last sentence of the last paragraph, "approval" is revised to read "concurrence".

40

41 **6-07.3(11)B1 Submittals**

42 The first paragraph (up until the colon) is revised to read:

43

44 The Contractor shall submit Type 2 Working Drawings consisting of the following
45 information:

46

47 **6-07.3(11)B3 Galvanized Surface Cleaning and Preparation**

48 The first paragraph is revised to read:

49

50 Galvanized surfaces receiving the powder coating shall be cleaned and prepared for
51 coating in accordance with ASTM D 6386, and the project-specific powder coating plan.

52

1 **6-07.3(11)B4 Powder Coating Application and Curing**

2 The first paragraph (up until the colon) is revised to read:

3

4 After surface preparation, the two-component powder coating shall be applied in
5 accordance with the powder coating manufacturer's recommendations, the project-
6 specific powder coating plan, and as follows:

7

8 **6-07.3(11)B5 Testing**

9 In the fifth sentence of the first paragraph, the phrase "as approved by the Engineer" is
10 deleted.

11

12 The second paragraph is revised to read:

13

14 The results of the QC testing shall be documented in a QC report, and submitted as a
15 Type 2 Working Drawing.

16

17 In the fourth paragraph, the phrase "as approved by the Engineer" is deleted.

18

19 In the last paragraph, "Engineer's approval" is revised to read "Engineer's acceptance".

20

21 **6-07.3(11)B6 Coating Protection for Shipping**

22 The phrase "as approved by the Engineer" is deleted from this section.

23

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

25

26 After erection, all coating damage due to the Contractor's shipping, storage, handling,
27 and erection operations shall be repaired by the Contractor in accordance with the
28 project-specific powder coating plan.

29

30 **6-07.5 Payment**

31 The following new paragraph is inserted before the last paragraph:

32

33 All costs in connection with producing the metallic coatings as specified shall be
34 included in the unit contract price for the applicable item or items of work.

35

36 **6-09.AP6**

37 **Section 6-09, Modified Concrete Overlays**

38 **January 5, 2015**

39 **6-09.2 Materials**

40 The second sentence of the fifth paragraph is revised to read:

41

42 Microsilica will be accepted based on submittal of a Manufacturer's Certificate of
43 Compliance.

44

45 The seventh paragraph is revised to read:

46

47 Latex admixture will be accepted based on submittal of a Manufacturer's Certificate of
48 Compliance.

49

1 **6-09.3(1)H Mobile Mixer for Latex Modified Concrete**

2 In item number 2 of the first paragraph, "An approved recording meter" is revised to read "A
3 recording meter".

4
5 In item number 3 of the first paragraph, "an approved flow meter" is revised to read "a flow
6 meter".

7
8 **6-09.3(1)J Finishing Machine**

9 The last two sentences of the last paragraph are revised to read:

10
11 A machine with a vibrating pan as an integral part may be proposed. Other finishing
12 machines will be allowed subject to concurrence of the Engineer.

13
14 **6-09.3(2) Submittals**

15 This section is revised to read:

16
17 The Contractor shall submit the following Working Drawings in accordance with Section
18 1-05.3:

- 19
20 1. A Type 1 Working Drawing of the type of machine (rotary milling, hydro-
21 demolition, or shot blasting) selected by the Contractor for use in this project to
22 scarify concrete surfaces.
- 23
24 2. A Type 1 Working Drawing of the axle loads and axle spacing of the rotary
25 milling machine (if used).
- 26
27 3. A Type 2 Working Drawing of the Runoff Water Disposal Plan (if a hydro-
28 demolition machine is used). The Runoff Water Disposal Plan shall describe all
29 provisions for the containment, collection, filtering, and disposal of all runoff
30 water and associated contaminants generated by the hydro-demolition process,
31 including containment, collection and disposal of runoff water and debris
32 escaping through breaks in the bridge deck.
- 33
34 4. A Type 2 Working Drawing of the method and materials used to contain, collect,
35 and dispose of all concrete debris generated by the scarifying process,
36 including provisions for protecting adjacent traffic from flying debris.
- 37
38 5. A Type 1 Working Drawing of the mix design for concrete Class M, and either
39 fly ash modified concrete, microsilica modified concrete, or latex modified
40 concrete, as selected by the Contractor for use in this project in accordance
41 with Section 6-09.3(3).
- 42
43 6. A Type 1 Working Drawing of samples of the latex admixture and the portland
44 cement for testing and compatibility (if latex modified concrete is used).
- 45
46 7. A Type 2 Working Drawing of the paving equipment specifications and details
47 of the screed rail support system, including details of anchoring the rails and
48 providing rail continuity.

49
50 **6-09.3(3)A General**

51 In the last paragraph, the phrase "and as approved by the Engineer" is deleted.

52

1 **6-09.3(4)B Latex Admixture**

2 In the second sentence of the second paragraph, the phrase “and as approved by the
3 Engineer” is deleted.

4
5 **6-09.3(5)A General**

6 The second paragraph is deleted.

7
8 In the third and fourth paragraphs, the phrase “and as approved by the Engineer” is deleted.

9
10 In the fifth paragraph, “approved by the Engineer” is revised to read “acceptable to the
11 Engineer”.

12
13 **6-09.3(5)B Testing of Hydro-Demolition and Shot Blasting Machines**

14 In the last sentence of the last paragraph, “approval” is revised to read “acceptance”.

15
16 **6-09.3(5)C Hydro-Demolishing**

17 In the third and fourth paragraphs, the phrase “as approved by the Engineer” is deleted.

18
19 **6-09.3(6)B Deck Repair Preparation**

20 The second to last paragraph is revised to read the following three new paragraphs:

21
22 The exposed steel reinforcing bars and concrete in the repair area shall be sandblasted
23 or hydro-blasted and blown clean just prior to placing concrete.

24
25 Where existing steel reinforcing bars inside deck repair areas show deterioration
26 exceeding the limits defined in the Plans, the Contractor shall furnish and place steel
27 reinforcing bars alongside the deteriorated bars in accordance with the details shown in
28 the Plans. Payment for such extra Work will be by force account as provided in Section
29 1-09.6.

30
31 Bridge deck areas outside the repair area or steel reinforcing bar inside or outside the
32 repair area damaged by the Contractor’s operations, shall be repaired by the Contractor
33 at no additional expense to the Contracting Agency, and to the satisfaction of the
34 Engineer.

35
36 **6-09.3(6)C Placing Deck Repair Concrete**

37 The third paragraph is supplemented with the following:

38
39 The Work of Type 1 further deck preparation shall consist of removing and disposing of
40 the concrete within the repair area.

41
42 The following new sentence is inserted before the last sentence of the last paragraph:

43
44 The Work of Type 2 further deck preparation shall consist of removing and disposing of
45 concrete within the repair area, and furnishing, placing, finishing, and curing the repair
46 concrete.

47
48 **6-09.3(7) Surface Preparation for Concrete Overlay**

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

50
51 If either a rotary milling machine or a shot blasting machine is used for concrete
52 scarification, then the concrete deck shall be sandblasted or shot blasted, using

1 equipment identified in the Working Drawing submittals, until sound concrete is
2 exposed.

3
4 The third paragraph is revised to read:

5
6 If a hydro-demolition machine is used for concrete scarification, then the concrete deck
7 shall be cleaned by water blasting with 7,000 psi minimum pressure, until sound
8 concrete is exposed.

9
10 In the fourth paragraph, "as approved by the Engineer" is revised to read "accepted by the
11 Engineer".

12
13 In the last sentence of the eighth paragraph, the phrase "as approved by the Engineer" is
14 deleted.

15
16 In the first sentence of the last paragraph, "approved" is revised to read "allowed".

17
18 **6-09.3(8)B Quality Assurance for Latex Modified Concrete Overlays**

19 The second sentence of the last paragraph is revised to read:

20
21 The technical representative shall be capable of performing, demonstrating, inspecting,
22 and testing all of the functions required for placement of the latex modified concrete as
23 specified in Section 6-09.3(11).

24
25 The fourth sentence of the last paragraph is revised to read:

26
27 Recommendations made by the technical representative on or off the jobsite shall be
28 adhered to by the Contractor at no additional expense to the Contracting Agency.

29
30 **6-09.3(10)A Survey of Existing Bridge Deck Prior to Scarification**

31 The third sentence of the fourth paragraph is revised to read:

32
33 A Type 1 Working Drawing of each day's survey record shall be provided to the
34 Engineer within three working days after the end of the shift.

35
36 **6-09.3(10)B Establishing Finish Overlay Profile**

37 In the fourth sentence of the first paragraph, "approved by the Engineer" is revised to read
38 "specified by the Engineer".

39
40 In the second paragraph, the phrase "and as approved by the Engineer" is deleted.

41
42 **6-09.3(11) Placing Concrete Overlay**

43 In the fourth paragraph, the last sentence of item number 3 is revised to read:

44
45 If the Contractor elects to work at night to meet these criteria, adequate lighting shall be
46 provided at no additional expense to the Contracting Agency.

47
48 **6-09.4 Measurement**

49 The last paragraph is deleted and replaced with the following:
50

1 Further deck preparation for Type 1 deck repair and for Type 2 deck repair will be
2 measured by the square foot of surface area of deck concrete removed in accordance
3 with Section 6-09.3(6).
4

5 **6-09.5 Payment**

6 The Bid item "Further Deck Preparation", per cubic foot and the paragraph following this Bid
7 item are deleted and replaced with the following two new Bid items:
8

9 "Further Deck Preparation for Type 1 Deck Repair", per square foot.
10

11 "Further Deck Preparation for Type 2 Deck Repair", per square foot.
12

13 The Bid item "Further Deck Preparation", force account and the paragraph following this Bid
14 item are deleted.
15

16 **6-10.AP6**

17 **Section 6-10, Concrete Barrier** 18 **January 5, 2015**

19 **6-10.1 Description**

20 In the second paragraph, "approved" is revised to read "specified".
21

22 **6-10.3 Construction Requirements**

23 In the first paragraph, "approved" is revised to read "specified".
24

25 **6-10.3(5) Temporary Concrete Barrier**

26 The last sentence of the first paragraph is deleted.
27

28 The second paragraph is revised to read:
29

30 If the Contract calls for the removal and resetting of permanent barrier, and the
31 permanent barrier is not required to remain in place until reset, the permanent barrier
32 may be substituted for temporary concrete barrier. Any of the permanent barrier
33 damaged during its use as temporary barrier will become the property of the Contractor
34 and be replaced with permanent barrier when the permanent barrier is reset to its
35 permanent location.
36

37 The third paragraph is revised to read:
38

39 All barrier shall be in good condition, without cracks, chips, spalls, dirt, or traffic marks. If
40 any barrier segment is damaged during or after placement, the Contractor shall
41 immediately repair it to the Engineer's satisfaction or replace it with an undamaged
42 section.
43

44 The following new paragraph is inserted after the third paragraph:
45

46 Delineators shall be placed on the traffic face of the barrier 6 inches from the top and
47 spaced a maximum of 40 feet on tangents and 20 feet through curves. The reflector
48 color shall be white on the right side of traffic and yellow on the left side of traffic. The
49 Contractor shall maintain, replace and clean the delineators when ordered by the
50 Engineer.

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6-11.AP6

**Section 6-11, Reinforced Concrete Walls
January 5, 2015**

6-11.3(1) Submittals

The first paragraph is revised to read:

The Contractor shall submit Type 2E Working Drawings consisting of excavation shoring plans in accordance with Section 2-09.3(3)D.

The second paragraph is revised to read:

The Contractor shall submit Type 2E Working Drawings of falsework and formwork plans in accordance with Sections 6-02.3(16) and 6-02.3(17).

The third paragraph (up until the colon) is revised to read:

If the Contractor elects to fabricate and erect precast concrete wall stem panels, Type 2E Working Drawings of the following information shall be submitted in accordance with Section 6-02.3(28)A:

The last paragraph is deleted.

6-11.3(3) Precast Concrete Wall Stem Panels

In the third paragraph, the phrase "as approved by the Engineer" is deleted.

6-12.AP6

**Section 6-12, Noise Barrier Walls
January 5, 2015**

6-12.3(1) Submittals

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

The Contractor shall submit a Type 2 Working Drawing consisting of the noise barrier wall access plan.

The second paragraph (up until the colon) is revised to read:

For construction of all noise barrier walls with shafts, the Contractor shall submit a Type 2 Working Drawing consisting of the shaft construction plan, including at a minimum the following information:

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

For construction of precast concrete noise barrier walls, the Contractor shall submit Type 2 Working Drawings consisting of shop drawings for the precast concrete panels in accordance with Section 6-02.3(28)A.

- 1 **6-12.3(2) Work Access and Site Preparation**
2 In the first paragraph, the first sentence is revised to read:
3
4 The Contractor shall construct work access in accordance with the work access plan.
5
- 6 **6-12.3(3) Shaft Construction**
7 The first paragraph is revised to read:
8
9 The Contractor shall excavate and construct the shafts in accordance with the shaft
10 construction plan.
11
- 12 In the last sentence of the third paragraph, "approved by the Engineer" is revised to read
13 "acceptable to the Engineer".
14
- 15 The fourth paragraph is revised to read:
16
17 When caving conditions are encountered, the Contractor shall stop further excavation
18 until implementing the method to prevent ground caving as specified in the shaft
19 construction plan.
20
- 21 In the last sentence of the fifth paragraph, "approved" is revised to read "accepted".
22
- 23 In the seventh paragraph, "approval" is revised to read "acceptance".
24
- 25 In the eighth paragraph, the third sentence is revised to read:
26
27 The Contractor shall install the steel reinforcing bar cage as specified in the shaft
28 construction plan.
29
- 30 In the second sentence of the last paragraph, "approval" is revised to read "acceptance".
31
- 32 In the fourth sentence of the last paragraph, the word "approved" is deleted.
33
- 34 **6-12.3(6) Precast Concrete Panel Fabrication and Erection**
35 In item number 3, the second paragraph is revised to read:
36
37 After receiving the Engineer's review of the shop drawings, the Contractor shall cast
38 one precast concrete panel to be used as the sample panel. The Contractor shall
39 construct the sample panel in accordance with the procedure and details specified in
40 the shop drawings. The Contractor shall make the sample panel available to the
41 Engineer for acceptance.
42
- 43 In item number 3, the first sentence of the third paragraph is revised to read:
44
45 Upon receiving the Engineer's acceptance of the sample panel, the Contractor shall
46 continue production of precast concrete panels for the noise barrier wall.
47
- 48 In item number 3, the third sentence of the third paragraph is revised to read:
49
50 The sample panel shall be retained at the fabrication site until all precast concrete
51 panels have been fabricated and accepted.
52

1 **6-12.3(10) Finish Line Ground Dressing**

2 In the last sentence of the second paragraph, the phrase "as approved by the Engineer" is
3 deleted.

4
5 **6-13.AP6**

6 **Section 6-13, Structural Earth Walls**
7 **January 5, 2015**

8 **6-13.3(1) Quality Assurance**

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

10
11 The structural earth wall manufacturer shall provide a qualified and experienced
12 representative to resolve wall construction problems.

13
14 In the first paragraph, the last sentence is revised to read:

15
16 Recommendations made by the structural earth wall manufacturer's representative shall
17 be followed by the Contractor.

18
19 In the second paragraph, item number 4 is revised to read:

20
21 4. The base of the structural earth wall excavation shall be within three inches of the
22 staked elevations, unless otherwise accepted or specified by the Engineer.

23
24 In the second paragraph, item number 6 is revised to read:

25
26 6. The backfill reinforcement layers shall be located horizontally and vertically within
27 one inch of the locations shown in the structural earth wall working drawings.

28
29 **6-13.3(2) Submittals**

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

31
32 The Contractor, or the supplier as the Contractor's agent, shall furnish a Manufacturer's
33 Certificate of Compliance certifying that the structural earth wall materials conform to
34 the specified material requirements.

35
36 The second paragraph is revised to read:

37
38 A Type 1 Working Drawing of all test results, performed by the Contractor or the
39 Contractor's supplier, which are necessary to assure compliance with the specifications,
40 shall submitted along with each Manufacturer's Certificate of Compliance.

41
42 In the third paragraph, the first sentence is revised to read:

43
44 Before fabrication, the Contractor shall submit a Type 1 Working Drawing consisting of
45 the field construction manual for the structural earth walls, prepared by the wall
46 manufacturer.

47
48 In the fourth paragraph, the first sentence is revised to read:

49

1 The Contractor, through the license/patent holder for the structural earth wall system,
2 shall submit Type 2E Working Drawings consisting of detailed design calculations and
3 details.
4

5 The last paragraph is deleted.
6

7 **6-13.3(3) Excavation and Foundation Preparation**

8 In the first paragraph, the last two sentences are revised to read:
9

10 The foundation for the structure shall be graded level for a width equal to or exceeding
11 the length of reinforcing as shown in the structural earth wall working drawings and, for
12 walls with geogrid reinforcing, in accordance with Section 2-12.3. Prior to wall
13 construction, the foundation, if not in rock, shall be compacted as accepted by the
14 Engineer.
15

16 **6-13.3(6) Welded Wire Faced Structural Earth Wall Erection**

17 The first two sentences are revised to read:
18

19 The Contractor shall erect the welded wire wall reinforcement in accordance with the
20 wall manufacturer's field construction manual. Construction geotextile for wall facing
21 shall be placed between the backfill material within the reinforced zone and the coarse
22 granular material immediately behind the welded wire wall facing, as shown in the Plans
23 and the structural earth wall working drawings.
24

25 **6-13.3(7) Backfill**

26 The third paragraph is revised to read:
27

28 Misalignment or distortion of the precast concrete facing panels or concrete blocks due
29 to placement of backfill outside the limits of this specification shall be corrected in a
30 manner acceptable to the Engineer.
31

32 In item number 4 of the fifth paragraph, the phrase "as approved by the Engineer" is deleted.
33

34 The last paragraph is deleted.
35

36 **6-13.3(8) Guardrail Placement**

37 In the first sentence of the second paragraph, "approval" is revised to read "permission".
38

39 **6-13.3(9) SEW Traffic Barrier and SEW Pedestrian Barrier**

40 The first paragraph (up until the colon) is revised to read:
41

42 The Contractor, in conjunction with the structural earth wall manufacturer, shall design
43 and detail the SEW traffic barrier and SEW pedestrian barrier in accordance with
44 Section 6-12.3(2) and the above ground geometry details shown in the Plans. The
45 barrier Working Drawings and supporting calculations shall be Type 2E and shall
46 include, at a minimum, the following:
47

1 **6-14.AP6**

2 **Section 6-14, Geosynthetic Retaining Walls**

3 **January 5, 2015**

4 **6-14.2 Materials**

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

7

8 9-06.5(4)

9

10 The following new paragraph is inserted after the first paragraph:

11

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

13

14 **6-14.3(2) Submittals**

15 The first paragraph (up until the colon) is revised to read:

16

17 The Contractor shall submit Type 2 Working Drawings consisting of detailed plans for
18 each wall. As a minimum, the submittals shall include the following:

19

20 **6-14.3(4) Erection and Backfill**

21 In the second sentence of the second paragraph, "approved by" is revised to read
22 "acceptable to".

23

24 In the last sentence of the fifth paragraph, "approval" is revised to read "permission".

25

26 The sixth paragraph is deleted.

27

28 In item number 5 in the eighth paragraph, the phrase "as approved by the Engineer" is
29 deleted.

30

31 In the ninth paragraph, the first sentence is revised to read:

32

33 The Contractor shall construct wall corners at the locations shown in the Plans, and in
34 accordance with the wall corner construction sequence and method in the Working
35 Drawing submittal.

36

37 In the last paragraph, the first sentence is revised to read:

38

39 Where required by retaining wall profile grade, the Contractor shall terminate top layers
40 of retaining wall geosynthetic and backfill in accordance with the method in the Working
41 Drawing submittal.

42

43 **6-14.5 Payment**

44 In the paragraph following the Bid item "Concrete Fascia Panel", per square foot, "concrete
45 leveling pad" is revised to read "concrete footing".

46

1 **6-15.AP6**

2 **Section 6-15, Soil Nail Walls**
3 **January 15, 2015**

4 **6-15.3(3) Submittals**

5 The first paragraph (excluding the numbered list) is revised to read:

6

7

The Contractor shall submit Type 2 Working Drawings of the following information:

8

9 **6-15.3(6) Soil Nailing**

10 In the first paragraph, the last sentence is revised to read:

11

12

Damaged or defective encapsulation shall be repaired in accordance with the manufacturer's recommendations.

13

14

15 The eighth paragraph is revised to read:

16

17

If sections of the wall are constructed at different times than the adjacent soil nail sections, the Contractor shall use stabilizing berms, temporary slopes, or other measures acceptable to the Engineer, to prevent sloughing or failure of the adjacent soil nail sections.

18

19

20

21

22 **6-15.3(8) Soil Nail Testing and Acceptance**

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

24

25

The Contractor shall submit Type 1 Working Drawings of all test data.

26

27

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

28

29

The Contractor shall submit Type 2E Working Drawings of the reaction frame.

30

31

32 **6-15.3(8)A Verification Testing**

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

34

35

The Contractor shall submit Type 2E Working Drawings consisting of design details of the verification testing, including the system for distributing test load pressures to the excavation surface and appropriate nail bar size and reaction plate.

36

37

38

39 **6-16.AP6**

40

41 **Section 6-16, Soldier Pile and Soldier Pile Tieback Walls**
42 **January 5, 2015**

43

44

45 **6-16.3(2) Submittals**

46 The first paragraph is revised to read:

47

The Contractor shall submit Type 2 Working Drawings consisting of shop plans as specified in Section 6-03.3(7) for all structural steel, including the steel soldier piles, and shall submit Type 2 Working Drawings consisting of shop plans and other details as specified in Section 6-17.3(3) for permanent ground anchors.

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The second paragraph is revised to read:

The Contractor shall submit Type 1 Working Drawings consisting of the permanent ground anchor grout mix design and the procedures for placing the grout.

The third paragraph (excluding the numbered list) is revised to read:

The Contractor shall submit Type 2E Working Drawings consisting of forming plans for the concrete fascia panels, as specified in Sections 6-02.3(16) and 6-02.3(17).

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

The Contractor shall submit Type 2 Working Drawings consisting of a shaft installation plan.

The last paragraph is deleted.

6-16.3(3) Shaft Excavation

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

A temporary casing, slurry, or other methods specified in the shaft installation plan shall be used if necessary to ensure such safety and stability.

The fourth paragraph is revised to read:

Where caving in conditions are encountered, no further excavation will be allowed until the Contractor has implemented the method to prevent ground caving as submitted in accordance with item 4 of the Shaft Installation Plan.

The sixth paragraph is revised to read:

The excavated shaft shall be inspected and receive acceptance by the Engineer prior to proceeding with construction.

6-16.3(6)B Temporary Lagging

The second paragraph (up until the colon) is revised to read:

The Contractor shall submit Type 2E Working Drawings consisting of the soldier pile wall lagging design details and supporting design calculations. The submittal shall include, at a minimum, the following:

In item number 4 of the second paragraph, "approved by" is revised to read "acceptable to".

The last paragraph (excluding the table) is revised to read:

Notwithstanding the requirements of Section 1-06.1, steel materials used by the Contractor as temporary lagging may be salvaged steel provided that the use of such salvaged steel materials shall be subject to visual inspection and acceptance by the Engineer. For salvaged steel materials where the grade of steel cannot be positively identified, the design stresses for the steel shall conform to the Section 6-02.3(17)B requirements for salvaged steel, regardless of whether rivets are present or not.

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6-16.3(6)D Installing Lagging and Permanent Ground Anchor

In the last sentence of the second paragraph, the phrase "as approved by the Engineer" is deleted.

In the last sentence of the fourth paragraph, the phrase "as approved by the Engineer" is deleted.

6-16.3(8) Concrete Fascia Panel

In the first paragraph, the phrase "as approved by the Engineer" is deleted.

6-17.AP6

Section 6-17, Permanent Ground Anchors

January 5, 2015

6-17.3(3) Submittals

The first paragraph is revised to read:

The Contractor shall submit Type 2 Working Drawings consisting of details and structural design calculations for the ground anchor system or systems intended for use.

The second paragraph is revised to read:

The Contractor shall submit a Type 1 Working Drawing consisting of a detailed description of the construction procedure proposed for use.

The third paragraph (up until the colon) is revised to read:

The Contractor shall submit a Type 2 Working Drawing consisting of ground anchor schedule giving:

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

The Contractor shall submit a Type 2 Working Drawing detailing the ground anchor tendon and the corrosion protection system.

In the fourth paragraph, item number 3 is revised to read:

3. Unbonded length corrosion protection system, including the permanent rubber seal between the trumpet and the tendon unbonded length corrosion protection and the transition between the tendon bond length and the unbonded tendon length corrosion protection.

The last five paragraphs are deleted and replaced with the following four new paragraphs:

The Contractor shall submit Type 2 Working Drawings consisting of shop plans as specified in Section 6-03.3(7) for all structural steel, including the permanent ground anchors.

1 The Contractor shall submit Type 1 Working Drawings consisting of the mix design for
2 the grout conforming to Section 9-20.3(4) and the procedures for placing the grout. The
3 Contractor shall also submit the methods and materials used in filling the annulus over
4 the unbonded length of the anchor.

5
6 The Contractor shall submit Type 2 Working Drawings consisting of the method
7 proposed to be followed for the permanent ground anchor testing. This shall include all
8 necessary drawings and details to clearly describe the method proposed.

9
10 The Contractor shall submit Type 2 Working Drawings consisting of calibration data for
11 each load cell, test jack, pressure gauge and master pressure gauge to be used. The
12 calibration tests shall have been performed by an independent testing laboratory and
13 tests shall have been performed within 60 calendar days of the date submitted.

14
15 **6-17.3(5) Tendon Fabrication**

16 In the tenth paragraph, the last sentence is deleted.

17
18 The twelfth paragraph is revised to read:

19
20 The total anchor length shall not be less than that indicated in the Plans or the Working
21 Drawing submittal.

22
23 In the last paragraph, the phrase "as approved by the Engineer" is deleted.

24
25 **6-17.3(7) Installing Permanent Ground Anchor**

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

27
28 The Contractor's method to prevent ground movement shall be submitted as a Type 2
29 Working Drawing.

30
31 In the second paragraph, the second to last sentence is revised to read:

32
33 At the point of entry the ground anchor shall be installed within plus or minus three
34 degrees of the inclination from horizontal shown in the Plans or the Working Drawing
35 submittal.

36
37 **6-18.AP6**

38 **Section 6-18, Shotcrete Facing**
39 **January 5, 2015**

40 **6-18.3(1) Submittals**

41 In the first paragraph, the first sentence (up until the colon) is revised to read:

42
43 The Contractor shall submit Type 2 Working Drawings consisting of the following:

44
45 In the first paragraph, item number 2 is revised to read:

46
47 2. Method and equipment used to apply, finish and cure the shotcrete facing.

48
49 The last paragraph is deleted.

50

1 **6-18.3(2) Mix Design**

2 In the first paragraph, the second and third sentences are deleted.

3

4 In the last sentence of the second paragraph, "and approved by the Engineer" is deleted.

5

6 **6-18.3(3)A Preproduction Testing**

7 In the last sentence, "approved" is revised to read "accepted".

8

9 **6-18.3(7) Shotcrete Application**

10 In the last paragraph, the first sentence is revised to read:

11

12 If field inspection or testing, by the Engineer, indicates that any shotcrete produced, fails
13 to meet the requirements, the Contractor shall immediately modify procedures,
14 equipment, or system, as necessary to produce specification material.

15

16 **6-19.AP6**

17 **Section 6-19, Shafts**

18 **April 6, 2015**

19 **6-19.3(2) Shaft Construction Submittal**

20 The last sentence is revised to read:

21

22 The submittals shall be Type 2 Working Drawings, except the shaft slurry technical
23 assistance submittal shall be Type 1.

24

25 **6-19.3(3) Shaft Excavation**

26 In the first paragraph, the phrase "as approved by the Engineer" is deleted.

27

28 **6-19.3(3)B4 Temporary Telescoping Shaft Casing**

29 In the first paragraph, the first sentence of item number 1 is revised to read:

30

31 The Contractor shall submit the request to use temporary telescoping casing as a Type
32 2 Working Drawing.

33

34 **6-19.3(3)D Bottom of Shaft Excavation**

35 In the first sentence of the second paragraph, "approved" is revised to read "accepted".

36

37 **6-19.3(3)E Shaft Obstruction**

38 In the last sentence, "approved" is revised to read "accepted".

39

40 **6-19.3(3)F Voids Between Permanent Casing and Shaft Excavation**

41 In the last sentence, the words "and as approved by the Engineer" are deleted.

42

43 **6-19.3(3)G Operating Shaft Excavation Equipment From an Existing Bridge**

44 The second sentence is revised to read:

45

46 If necessary and safe to do so, and if the Contractor submits a Type 2 Working Drawing
47 consisting of a written request in accordance with Section 6-01.6, the Engineer may
48 permit operation of drilling equipment on a bridge.

49

1 **6-19.3(3)H Seals for Shaft Excavation in Water**

2 The first paragraph is revised to read:

3
4 When shafts are constructed in water and the Plans show a seal between the casing
5 shoring and the upper portion of the permanent casing of the shaft, the Contractor shall
6 construct a seal in accordance with the shaft installation narrative specified in Section 6-
7 19.3(2)B Item 7.

8
9 The last sentence of the last paragraph is revised to read:

10
11 If the Contractor uses a casing shoring diameter other than that specified in the Plans,
12 the Contractor shall submit a revised seal design in accordance with Section 6-19.3(2)B
13 Item 7.

14
15 **6-19.3(4)C Slurry Sampling and Testing**

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

17
18 Synthetic slurry shall conform to Section 9-36.2(2), the quality control plan included in
19 the shaft installation narrative in accordance with Section 6-19.3(2)B Item 4.

20
21 The second sentence of the second paragraph is revised to read:

22
23 These records shall be submitted as a Type 1 Working Drawing once the slurry system
24 has been established in the first drilled shaft on the project.

25
26 **6-19.3(4)E Maintenance of a Stable Shaft Excavation**

27 In the last sentence of the first paragraph, "approval" is revised to read "review".

28
29 **6-19.3(4)F Disposal of Slurry and Slurry Contacted Spoils**

30 This section is revised to read:

31
32 The Contractor shall manage and dispose of the slurry wastewater in accordance with
33 Section 8-01.3(1)C. Slurry-contacted spoils shall be disposed of as specified in the
34 shaft installation narrative in accordance with Section 6-19.3(2)B, item 8, and in
35 accordance with the following requirements:

- 36
37 1. Uncontaminated spoils in contact with water-only slurry may be disposed of as
38 clean fill.
- 39
40 2. Uncontaminated spoils in contact with water slurry mixed with flocculants
41 approved in Section 8-01.3(1)C3 may be disposed of as clean fill away from
42 areas that drain to surface waters of the state.
- 43
44 3. Spoils in contact with synthetic slurry or water slurry with polymer-based
45 additives or flocculants not approved in Section 8-01.3(1)C3 shall be disposed
46 of in accordance with Section 2-03.3(7)C. With permission of the Engineer, the
47 Contractor may re-use these spoils on-site.
- 48
49 4. Spoils in contact with mineral slurry shall be disposed of in accordance with
50 Section 2-03.3(7)C. With permission of the Engineer, the Contractor may re-use
51 these spoils on-site.
- 52

1 **6-19.3(5)A Steel Reinforcing Bar Cage Assembly**

2 In the second to last sentence of the first paragraph, the phrase “as approved by the
3 Engineer” is deleted.
4

5 **6-19.3(5)D Steel Reinforcing Bar Cage Support at Base of Shaft Excavation**

6 The first sentence is revised to read:
7

8 For shafts with temporary casing within 15-feet of the bottom of shaft elevation as
9 specified in the Plans, the Contractor may place quarry spalls or other rock backfill
10 acceptable to the Engineer into the shaft below the specified bottom of shaft elevation
11 as a means to support the steel reinforcing bar cage, provided that the materials and
12 means to accomplish this have been addressed by the shaft installation narrative, as
13 specified in Section 6-19.3(2)B Item 9.
14

15 **6-19.3(6)C Care for CSL Access Tubes From Erection Through CSL Testing**

16 In the last sentence, “as approved by the Engineer” is revised to read “acceptable to the
17 Engineer”.
18

19 **6-19.3(8)C Requirements for Leaving Temporary Casing in Place**

20 Item number 1 (up until the colon) is revised to read:
21

- 22 1. The Contractor shall submit a Type 2E Working Drawing of the following
23 information:
24

25 In item C of item number 1, the phrase “in accordance with Section 6-01.9” is deleted.
26

27 Item number 2 is deleted.
28

29 **6-19.3(9)D Requirements to Continue Shaft Excavation Prior to Acceptance of
30 First Shaft**

31 This section is revised to read:
32

33 Except as otherwise noted, the Contractor shall not commence subsequent shaft
34 excavations until receiving the Engineer’s acceptance of the first shaft, based on the
35 results and analysis of the crosshole sonic log testing for the first shaft. The Contractor
36 may commence subsequent shaft excavations prior to receiving the Engineer’s
37 acceptance of the first shaft, provided the following condition is satisfied:
38

39 The Engineer permits continuing with shaft construction based on the Engineer’s
40 observations of the construction of the first shaft, including, but not limited to,
41 conformance to the shaft installation narrative in accordance with Section 6-
42 19.3(2)B, and the Engineer’s review of Contractor’s daily reports and Inspector’s
43 daily logs concerning excavation, steel reinforcing bar placement, and concrete
44 placement.
45

46 **6-19.3(9)F Contractor’s Investigation and Remedial Action Plan**

47 This section is revised to read:
48

49 For all shafts determined to be unacceptable, the Contractor shall submit a Type 2
50 Working Drawing consisting of a plan for further investigation or remedial action. All
51 modifications to the dimensions of the shafts, as shown in the Plans, required by the
52 investigation and remedial action plan shall be supported by calculations and working

1 drawings. All investigation and remedial correction procedures and designs shall be
2 submitted.

3
4 **6-19.3(9)H Cored Holes**

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

6
7 Prior to beginning coring, the Contractor shall submit Type 2 Working Drawings
8 consisting of the method and equipment used to drill and remove cores from shaft
9 concrete.

10

11 **8-01.AP8**

12 **Section 8-01, Erosion Control and Water Pollution Control**
13 **January 5, 2015**

14 **8-01.2 Materials**

15 This section is supplemented with the following new paragraph:

16

17 For all seed the Contractor shall furnish the Engineer with the following documentation:

18

- 19 1. The state or provincial seed dealer license and endorsements.
20
21 2. Copies of Washington State Department of Agriculture (WSDA) test results on
22 each lot of seed. Test results must be within six months prior to the date of
23 application.

24

25 **8-01.3(1)A Submittals**

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

27

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

30

31 **8-01.3(1)C Water Management**

32 Items number 1 through 3 are deleted.

33

34 This section is supplemented with the following new subsections:

35

36 **8-01.3(1)C1 Disposal of Dewatering Water**

37 When uncontaminated groundwater with a pH range of 6.5 – 8.5 is encountered in an
38 excavation, it may be disposed of as follows:

39

- 40 1. When the turbidity of the groundwater is 25 NTU or less, it may bypass
41 detention and treatment facilities and be discharged into the stormwater
42 conveyance system at a rate that will not cause erosion or flooding in the
43 receiving surface water body.
44
45 2. When the turbidity of the groundwater is not more than 25 NTU above or 125%
46 of the turbidity of the site stormwater runoff, whichever is greater, the same
47 detention and treatment facilities as used to treat the site runoff may be used.
48

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- 3. When the turbidity of the groundwater is more than 25 NTU above or 125% of the turbidity of the site stormwater runoff, whichever is greater, the groundwater shall be treated separately from the site stormwater.

Alternatively, the Contractor may pursue independent disposal and treatment alternatives that do not use the stormwater conveyance system.

8-01.3(1)C2 Process Wastewater

Wastewater generated on-site as a byproduct of a construction process shall not be discharged to surface waters of the State. Some sources of process wastewater may be infiltrated in accordance with the NPDES Construction Stormwater General Permit.

8-01.3(1)C3 Shaft Drilling Slurry Wastewater

Wastewater generated on-site during shaft drilling activity shall be managed and disposed of in accordance with the requirements below. No shaft drilling slurry wastewater shall be discharged to surface waters of the State. Neither the sediment nor liquid portions of the shaft drilling slurry wastewater shall be contaminated, as detectable by visible or olfactory indication (e.g., chemical sheen or smell).

- 1. Water-only shaft drilling slurry or water slurry with approved flocculants may be infiltrated on-site. Flocculants used shall meet the requirements of Section 9-14.5(1) or shall be chitosan products listed as General Use Level Designation (GULD) on the Department of Ecology's stormwater treatment technologies webpage for construction treatment. Infiltration is permitted if the following requirements are met:
 - a. Wastewater shall have a pH of 6.5 – 8.5 prior to discharge.
 - b. The source water meets drinking water standards or the Groundwater Quality Criteria listed in WAC 173-200-040.
 - c. The amount of flocculant added to the slurry shall be kept to the minimum needed to adequately settle out solids. The flocculant shall be thoroughly mixed into the slurry.
 - d. Infiltration locations shall be at least 100 feet away from surface waters, wells, on-site sewage systems, aquifer-sensitive recharge areas, sole source aquifers, and well-head protection areas. Before infiltration begins, there shall be a minimum of 5 feet of unsaturated soil between the soil surface receiving the wastewater for infiltration and the groundwater surface (i.e., saturated soil).
 - e. The slurry removed from the shaft shall be contained in a leak proof cell or tank for a minimum of 3 hours.
 - f. Within a 24 hour period, a maximum of 21,000 gallons of slurry wastewater may be infiltrated in an infiltration location. The infiltration rate shall be reduced if needed to prevent wastewater from leaving the infiltration location. The infiltration site shall be monitored regularly during infiltration activity. All wastewater discharged to the ground must fully infiltrate and discharges must stop before the end of each work day.

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- g. After infiltration activity is complete, loose sediment in the infiltration location that may have resulted from the infiltration activity or the removal of BMPs used to manage infiltration activity shall be stabilized to prevent mobilization by stormwater runoff.
- h. Drilling spoils and settled sediments remaining in the containment cell or tank shall be disposed of in accordance with Section 6-19.3(4)F.
- i. Infiltration locations shall be marked on the on-site temporary erosion and sediment control (TESC) plan sheets before the infiltration activity begins.
- j. Prior to infiltrating water-only shaft drilling slurry or water slurry with approved flocculants, the Contractor shall submit a Shaft Drilling Slurry Wastewater Management and Infiltration Plan as a Type 2 Working Drawing. This Plan shall be kept on-site, adapted if needed to meet the construction requirements, and updated to reflect what is being done in the field. The Working Drawing shall include, at a minimum, the following information:
 - i. Plan sheet showing the proposed infiltration location and all surface waters, wells, on-site sewage systems, aquifer-sensitive recharge areas, sole source aquifers, and well-head protection areas within 150 feet.
 - ii. The proposed elevation of soil surface receiving the wastewater for infiltration and the anticipated phreatic surface (i.e., saturated soil).
 - iii. The source of the water used to produce the slurry.
 - iv. The estimated total volume of wastewater to be infiltrated.
 - v. The approved flocculant to be used (if any).
 - vi. The controls or methods (e.g., trenches, traps, berms, silt fence, dispersion, or discharge metering devices) that will be used to prevent surface wastewater runoff from leaving the infiltration location. The Working Drawing shall include all pertinent design details (e.g., sizing of trenches or traps, placement or height of berms, application techniques) needed to demonstrate the proposed controls or methods are adequate to prevent surface wastewater runoff from leaving the infiltration location.
 - vii. The strategy for removing slurry wastewater from the shaft and containing the slurry wastewater once it has been removed from the shaft.
 - viii. The strategy for monitoring infiltration activity and adapting methods to ensure compliance.
 - ix. A contingency plan that can be implemented immediately if it becomes evident that the controls in place or methods being used are not adequate.

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x. The strategy for cleaning up the infiltration location after the infiltration activity is done. Cleanup shall include stabilizing any loose sediment on the surface within the infiltration area generated as a byproduct of suspended solids in the infiltrated wastewater or soil disturbance associated with BMP placement and removal.

2. Shaft drilling mineral slurry, synthetic slurry, or slurry with polymer additives not approved for infiltration shall be contained and disposed of by the Contractor at an approved disposal facility in accordance with Section 2-03.3(7)C. Spoils that have come into contact with mineral slurry shall be disposed of in accordance with Section 6-19.3(4)F.

8-01.3(1)C4 Management of Off-Site Water

Prior to disruption of the normal watercourse, the Contractor shall intercept the off-site surface water and pipe it either through or around the project site. This water shall not be combined with on-site stormwater. It shall be discharged at its preconstruction outfall point in such a manner that there is no increase in erosion below the site. The Contractor shall submit a Type 2 Working Drawing consisting of the method for performing this Work.

8-01.3(2)A Preparation for Application

This section's content is deleted and replaced with the following two new subsections:

8-01.3(2)A1 Seeding

Areas to be cultivated are shown in the Plans or specified in the Special Provisions. The areas shall be cultivated to the depths specified to provide a reasonably firm but friable seedbed. Cultivation shall take place no sooner than 2 weeks prior to seeding.

All areas to be seeded, including excavated slopes shall be compacted and prepared unless otherwise specified or ordered by the Engineer. A cleated roller, crawler tractor, or similar equipment that forms longitudinal depressions at least 2 inches deep shall be used for compaction and preparation of the surface to be seeded.

The entire area shall be uniformly covered with longitudinal depressions formed perpendicular to the natural flow of water on the slope. The soil shall be conditioned with sufficient water so the longitudinal depressions remain in the soil surface until completion of the seeding.

Prior to seeding, the finished grade of the soil shall be 1 inch below the top of all curbs, junction and valve boxes, walks, driveways, and other Structures. The soil shall be in a weed free and bare condition.

All bags of seed shall be brought to the site in sealed bags and shall have seed labels attached showing the seed meets the Specifications. Seed which has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.

8-01.3(2)A2 Temporary Seeding

A cleated roller, crawler tractor, or similar equipment that forms longitudinal depressions at least 2 inches deep shall be used for compaction and preparation of the surface to be seeded. The entire area shall be uniformly covered with longitudinal depressions formed perpendicular to the natural flow of water on the slope. The soil shall be conditioned

1 with sufficient water so the longitudinal depressions remain in the soil surface until
2 completion of the seeding.

3

4 **8-01.3(2)B Seeding and Fertilizing**

5 In the list in the second paragraph, item numbers 1-5 are revised to read:

6

- 7 1. A hydro seeder that utilizes water as the carrying agent, and maintains continuous
8 agitation through paddle blades. It shall have an operating capacity sufficient to
9 agitate, suspend, and mix into a homogeneous slurry the specified amount of seed
10 and water or other material. Distribution and discharge lines shall be large enough to
11 prevent stoppage and shall be equipped with a set of hydraulic discharge spray
12 nozzles that will provide a uniform distribution of the slurry.
- 13
- 14 2. Blower equipment with an adjustable disseminating device capable of maintaining a
15 constant, measured rate of material discharge that will ensure an even distribution of
16 seed at the rates specified.
- 17
- 18 3. Helicopters properly equipped for aerial seeding.
- 19
- 20 4. Power-drawn drills or seeders.
- 21
- 22 5. Areas in which the above methods are impractical may be seeded by hand
23 methods.
- 24

25 **8-01.3(2)C Liming**

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

27

28 **8-01.3(2)C Vacant**

29

30 **8-01.3(2)D Mulching**

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

32

33 Distribution of straw mulch material shall be by means that utilizes forced air to blow
34 mulch material on seeded areas.

35

36 **8-01.3(11) Outlet Protection**

37 In the last sentence, "Section 9-13.6" is revised to read "Section 9-13.1(5)".

38

39 **8-01.4 Measurement**

40 In the twelfth paragraph, "liming" is deleted.

41

42 **8-01.5 Payment**

43 The bid item "Liming", per acre is deleted.

44

45 **8-02.AP8**

46 **Section 8-02, Roadside Restoration**

47 **January 5, 2015**

48 **8-02.3(1) Responsibility During Construction**

49 The last sentence of the second paragraph is revised to read:

1
2 This Work shall include keeping the planted and seeded areas free from insect
3 infestation, weeds or unwanted vegetation, litter, and other debris along with retaining
4 the finished grades and mulch in a neat uniform condition.
5

6 **8-02.3(2) Roadside Work Plan**

7 This section's title is revised to read:
8

9 **Work Plans**

10
11 This section's content is deleted in its entirety and replaced with the following new
12 subsections:
13

14 **8-02.3(2)A Roadside Work Plan**

15 Before starting any Work that disturbs the earth and as described in Sections 8-01, 8-02
16 and 8-03, the Contractor shall submit a roadside work plan. The roadside work plan
17 shall be submitted as a Type 1 Working Drawing and shall define the Work necessary to
18 provide all Contract requirements, including: wetland excavation, soil preparation,
19 habitat structure placement, planting area preparation, seeding area preparation, bark
20 mulch and compost placement, seeding, planting, plant replacement, irrigation, and
21 weed control in narrative form.
22

23 The Roadside Work Plan shall also include a copy of the approved progress schedule.
24

25 **8-02.3(2)B Weed and Pest Control Plan**

26 The Weed and Pest Control Plan shall be submitted as a Type 1 Working Drawing. The
27 weed and pest control plan shall include scheduling and methods of all control
28 measures required under the Contract or proposed by the Contractor including soil
29 preparation methods to meet the required soil surface conditions in the planting, bark
30 mulch, and wetland areas. The weed control plan shall show general weed control
31 including hand, mechanical and chemical methods, timing, application of herbicides
32 including type, rate, use and timing, mowing, and noxious weed control. Target weeds
33 and unwanted vegetation to be removed shall be identified and listed in the weed
34 control plan.
35

36 The plan shall be prepared and signed by a licensed Commercial Pest Control Operator
37 or Consultant when chemical pesticides are proposed. The plan shall include methods
38 of weed control; dates of weed control operations; and the name, application rate, and
39 Material Safety Data Sheets of all proposed herbicides. In addition, the Contractor shall
40 furnish the Engineer with a copy of the current product label for each pesticide and
41 spray adjuvant to be used. These product labels shall be submitted with the weed
42 control plan for approval.
43

44 **8-02.3(2)C Plant Establishment Plan**

45 The Plant Establishment Plan shall be prepared in accordance with the requirements of
46 Section 8-02.3(13) and submitted as a Type 1 Working Drawing. The Plan shall show
47 the proposed scheduling of activities, materials, equipment to be utilized for the first-
48 year plant establishment, and an emergency contact person. The Plan shall include the
49 management of the irrigation system, when applicable. Should the plan become
50 unworkable at any time during the first-year plant establishment, the Contractor shall
51 submit a revised plan prior to proceeding with further Work.
52

1 **8-02.3(3) Weed and Pest Control**

2 This section is supplemented with the following new paragraph:

3
4 Grass, including grass applied in accordance with Section 8-01, growing within the
5 mulch ring of a plant shall be considered a weed and be controlled on the project in
6 accordance with the weed and pest control plan.
7

8 **8-02.3(4) Topsoil**

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

10
11 After the topsoil has been spread, all large clods, hard lumps, and rocks 2 inches in
12 diameter and larger, and litter shall be raked up, removed, and disposed of by the
13 Contractor.
14

15 The following new paragraph is inserted after the first paragraph:

16
17 Topsoil stockpiled for project use shall be protected to prevent erosion and weed
18 growth. Weed growth on topsoil stockpile sites shall be immediately eliminated in
19 accordance with the approved Weed and Pest Control Plan.
20

21 **8-02.3(4)C Topsoil Type C**

22 The last sentence is revised to read:

23
24 Topsoil Type C shall meet the requirements of Sections 8-02.3(4), 8-02.3(4)B, and 9-
25 14.1(3).
26

27 **8-02.3(12) Completion of Initial Planting**

28 Item number 4 in the last paragraph is deleted.
29

30 **8-02.3(13) Plant Establishment**

31 The first sentence of the second paragraph is deleted.
32

33 The second paragraph is supplemented with the following new sentence:

34
35 The 1 calendar year shall be extended an amount equal to any periods where the
36 Contractor does not comply with the plant establishment plan.
37

38 The first sentence of the fourth paragraph is revised to read:

39
40 During the first year of plant establishment under PSIFE (Plant Selection Including Plant
41 Establishment), the Contractor shall meet monthly with the Engineer for the purpose of
42 joint inspection of the planting material on a mutually agreed upon schedule.
43

44 The last two paragraphs are deleted.
45

46 **8-02.4 Measurement**

47 This section is supplemented with the following:

48
49 Plant selection will be measured per each.
50

51 PSIFE __ (Plant Selection Including Plant Establishment) will be measured per each.
52

1 **8-02.5 Payment**

2 The paragraph following the bid item "Topsoil Type ____", per acre is revised to read:

3

4 The unit Contract price per acre for "Topsoil Type ____" shall be full payment for all
5 costs for the specified Work.

6

7 The bid item "PSIPE ____", per each and the paragraph following the bid item are revised to
8 read:

9

10 "PSIPE ____", per each.

11

12 The unit Contract price for "Plant Selection ____", per each, and "PSIPE ____", per each,
13 shall be full pay for all Work necessary for weed control within the planting area,
14 planting area preparation, fine grading, planting, cultivating, plant storage and
15 protection, fertilizer and root dip, staking, cleanup, and water necessary to complete
16 planting operations as specified to the end of first year plant establishment.

17

18 The bid item "Plant Establishment - ____ Year" is deleted.

19

20 **8-04.AP8**

21 **Section 8-04, Curbs, Gutters, and Spillways**

22 **January 5, 2015**

23 **8-04.2 Materials**

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

25

26 Hand Placed Riprap 9-13.1(4)

27

28 **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

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

30

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

34

35 In the third sentence of the fourth paragraph, "¼-inch" is revised to read "⅜-inch".

36

37 **8-04.3(1)A Extruded Cement Concrete Curb**

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

39

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

42

43 The third paragraph is revised to read:

44

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

46

1 **8-09.AP8**

2 **Section 8-09, Raised Pavement Markers**

3 **April 7, 2014**

4 **8-09.3(6) Recessed Pavement Marker**

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

6

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

9

10 **8-11.AP8**

11 **Section 8-11, Guardrail**

12 **April 7, 2014**

13 **8-11.3(1) Beam Guardrail**

14

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

17

18 **8-11.3(1)F Removing and Resetting Beam Guardrail**

19

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

24

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

29

30 **8-11.3(1)A Erection of Posts**

31 The second paragraph in this section is deleted.

32

33 **8-11.3(1)C Terminal and Anchor Installation**

34 The last sentence in the last paragraph is deleted.

35

36 **8-11.3(1)F Plans**

37 This section number is revised to:

38

39 **8-11.3(1)G**

40

41 **8-11.3(1)G Guardrail Construction Exposed to Traffic**

42 This section number is revised to:

43

44 **8-11.3(1)H**

1 **8-18.AP8**

2 **Section 8-18, Mailbox Support**
3 **August 4, 2014**

4 **8-18.3(1) Type 3 Mailbox Support**

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

6

7 With the Engineer's consent, a Type 3 Mailbox Support design, made of steel or other
8 durable material, that meets the NCHRP 350 or the Manual for Assessing Safety
9 Hardware (MASH) crash test criteria may be used in place of the design shown in the
10 *Standard Plans*.

11

12 **8-20.AP8**

13 **Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation**
14 **Systems, and Electrical**
15 **April 6, 2015**

16 **8-20.2(1) Equipment List and Drawings**

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

18

19 Supplemental data would include such items as catalog cuts, product Specifications,
20 shop drawings, wiring diagrams, etc.

21

22 The third paragraph (up until the colon) is revised to read:

23

24 If the luminaires are not listed in the Qualified Products List, the Contractor shall submit
25 the following information for each different type of luminaire required on the Contract:

26

27 The fourth paragraph (up until the colon) is revised to read:

28

29 The Contractor shall submit for approval Type 3E Working Drawings in accordance with
30 Section 1-05.3 for each of the following types of standards called for on this project:

31

32 The fifth paragraph is revised to read:

33

34 The Contractor will not be required to submit shop drawings for approval for light
35 standards and traffic signal standards conforming to the preapproved plans listed in the
36 Special Provisions. The Contractor may use preapproved plans posted on the WSDOT
37 website with a more current revision date than published in the Special Provisions.

38

39 **8-20.3(1) General**

40 The following six new paragraphs are inserted after the second paragraph:

41

42 If a portion of an existing communication conduit system is damaged due to the
43 Contractor's activities, the affected system shall be restored to original condition.
44 Conduit shall be repaired. Communication cables shall be replaced and the
45 communication system shall be made fully operational within 24 hours of being
46 damaged.

47

1 Damaged communication cable shall be replaced between existing termination or splice
2 points. No additional termination or splice points will be allowed. An existing
3 termination or splice point is defined as a location where all existing fiber strands or
4 twisted pair wires are terminated or spliced at one point. Communication cable shall be
5 defined as either copper twisted pair or fiber optic cables. The Contractor may use
6 temporary splices to restore Contracting Agency communication systems until the
7 permanent communication cable system is restored.

8
9 When damage to an existing communication system has occurred, the Contractor shall
10 perform the following in addition to other restoration requirements:

- 11
12 1. Inspect the communication raceway system including locate wire or tape to
13 determine the extent of damage.
- 14
15 2. Contact the Engineer for Fiber Optic Cable and Twisted Pair (TWP) Copper
16 Cable acceptance testing requirements and communication system restoration
17 requirements.
- 18
19 3. Initially perform the acceptance tests to determine the extent of damage and
20 also perform the acceptance tests after repairs are completed. Provide written
21 certification that the communication cable system, including the locate wire or
22 tape, is restored to test standard requirements.

23
24 Communication cables shall be restored by Contractor personnel that are WSDOT
25 prequalified for communication installation work. Restoration shall be considered
26 electrical work when the path of the communication system interfaces with electrical
27 systems. Electrical work of this nature shall be performed by Contractor personnel that
28 are WSDOT prequalified for work on both electrical and communication systems.

29
30 If the Contractor or Subcontractors are unable or unqualified to complete the restoration
31 work, the Engineer may have the communication or electrical systems restored by other
32 means and subtract the cost from the money that will be or is due the Contractor.

33
34 When field repair of existing conduit, innerduct or outerduct is required, the repair kits
35 shall be installed per manufacturer's recommendations. Repair kits and each
36 connection point between the repair kit and the existing raceway system shall be sealed
37 to prevent air leakage during future cable installation.

38 39 **8-20.3(8) Wiring**

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

41
42 Every conductor at every wire termination, connector, or device shall have an approved
43 wire marking sleeve bearing, as its legend, the circuit number indicated in the Contract.

44 45 **8-20.3(13)A Light Standards**

46 In the third paragraph, the last sentence of item number 1 is revised to read:

47
48 Conduit shall extend a maximum of 1 inch above the top of the foundation, including
49 grounding end bushing or end bell bushing.

50
51 In the fourth paragraph, the second sentence of item number 1 is revised to read:
52

1 Conduits shall be cut to a maximum height of 2 inches above the foundation including
2 grounding end bushing or end bell bushing.

3
4 **8-21.AP8**

5 **Section 8-21, Permanent Signing**
6 **April 6, 2015**

7 **8-21.3(9)F Foundations**

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

9
10 The excavation and backfill shall conform to the requirements of Section 2-09.3.

11
12 **8-22.AP8**

13 **Section 8-22, Pavement Marking**
14 **April 6, 2015**

15 **8-22.3(6) Removal of Pavement Markings**

16 The second and third sentences of the first paragraph are revised to read:

17
18 Grinding to remove pavement markings is allowed prior to application of a Bituminous
19 Surface Treatment. Grinding to remove pavement marking from hot mix asphalt and
20 cement concrete pavements is allowed to a depth just above the pavement surface,
21 then water blasting or shot blasting shall be required to remove the remaining markings.

22
23 **8-23.AP8**

24 **Section 8-23, Temporary Pavement Markings**
25 **January 5, 2015**

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

28
29 **8-23.1 Description**

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

34
35 **8-23.2 Materials**

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

39

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

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8.23.3 Construction Requirements

8-23.3(1) General

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

8-23.3(2) Preliminary Spotting

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

8-23.3(3) Preparation of Roadway Surface

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

8-23.3(4) Pavement Marking Application

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

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

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

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

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

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

8-23.3(4)A1 Temporary Pavement Marking Paint

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

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8-23.3(4)A2 Temporary Pavement Marking Tape

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

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

8-23.3(4)A3 Temporary Raised Pavement Markers

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

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

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

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

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

8-23.3(4)C Tolerance for Lines

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

8-23.3(4)D Maintenance of Pavement Markings

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

8-23.3(4)E Removal of Pavement Markings

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

All temporary pavement markings that are required on the wearing course prior to construction of permanent pavement markings and are not a part of the permanent markings shall be completely removed concurrent with or immediately subsequent to the construction of the permanent pavement markings. Temporary flexible raised pavement markers on bituminous surface treatment pavements shall be cut off flush with the surface if their location conflicts with the alignment of the permanent pavement markings. All other temporary pavement markings shall be removed in accordance with Section 8-22.3(6).

1 All damage to the permanent Work caused by removing temporary pavement
2 markings shall be repaired by the Contractor at no additional cost to the
3 Contracting Agency.
4

5 **8-23.4 Measurement**

6 Temporary pavement markings will be measured by the linear foot of each installed line
7 or grouping of markers, with no deduction for gaps in the line or markers and no
8 additional measurement for the second application of paint required for long duration
9 paint lines. Short duration and long duration temporary pavement markings will be
10 measured for the initial installation only.
11

12 **8-23.5 Payment**

13 Payment will be made in accordance with Section 1-04.1, for each of the following Bid
14 items that are included in the Proposal:
15

16 "Temporary Pavement Marking – Short Duration", per linear foot.
17

18 "Temporary Pavement Marking – Long Duration", per linear foot.
19

20 The unit Contract price per linear foot for "Temporary Pavement Marking – Short
21 Duration" and "Temporary Pavement Marking – Long Duration" shall be full pay for
22 all Work.
23

24 **9-01.AP9**

25 **Section 9-01, Portland Cement**
26 **January 5, 2015**

27 **9-01.2(3) Low Alkali Cement**

28 This section is revised to read:
29

30 When low alkali portland cement is required, the percentage of alkalis in the cement
31 shall not exceed 0.60 percent by weight calculated as Na_2O plus $0.658 \text{ K}_2\text{O}$. This
32 limitation shall apply to all types of portland cement.
33

34 **9-01.2(4) Blended Hydraulic Cement**

35 The first paragraph is revised to read:
36

37 Blended hydraulic cement shall be either Type IP(X)(MS) or Type IS(X)(MS) cement
38 conforming to AASHTO M 240 or ASTM C 595, except that the portland cement used to
39 produce blended hydraulic cement shall not contain more than 0.75 percent alkalis by
40 weight calculated as Na_2O plus $0.658 \text{ K}_2\text{O}$ and shall meet the following additional
41 requirements:
42

- 43 1. Type IP(X)(MS) - Portland-Pozzolan Cement where (X) equals the targeted
44 percentage of fly ash, the fly ash is limited to a maximum of 35 percent by
45 weight of the cementitious material; (MS) indicates moderate sulfate resistance.
46
- 47 2. Type IS(X)(MS) - Portland Blast- Furnace Slag Cement, where: (X) equals the
48 targeted percentage of ground granulated blast-furnace slag, the ground
49 granulated blast furnace slag is limited to a maximum of 50 percent by weight
50 of the cementitious material; (MS) indicates moderate sulfate resistance.

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

The source and weight of the fly ash or ground granulated blast-furnace slag shall be certified on the cement mill test report or cement certificate of analysis and shall be reported as a percent by weight of the total cementitious material.

9-01.3 Tests and Acceptance

The first paragraph is revised to read:

Cement may be accepted by the Engineer based on the cement mill test report number or cement certificate of analysis number indicating full conformance to the Specifications. All shipments of the cement to the Contractor or concrete supplier shall identify the applicable cement mill test report number or cement certificate of analysis number and shall be provided by the Contractor or concrete supplier with all concrete deliveries.

The second paragraph is revised to read:

Cement producers/suppliers that certify portland cement or blended cement shall participate in the Cement Acceptance Program as described in WSDOT Standard Practice QC 1.

9-01.4 Storage on the Work Site

This section is revised to read:

At the request of the Engineer, the Contractor shall provide test data to show that cement stored on site for longer than 60 days meets the requirements of 9-01. Tests shall be conducted on samples taken from the site in the presence of the Engineer. Test results that meet the requirements of 9-01 shall be valid for 60 days from the date of sampling, after which the Engineer may require further testing.

9-02.AP9

**Section 9-02, Bituminous Materials
April 6, 2015**

9-02.1(4) Performance Graded Asphalt Binder (PGAB)

The first paragraph is supplemented with the following:

For HMA with greater than 20 percent RAP by total weight of HMA or any amount of RAS the new asphalt binder, recycling agent and recovered asphalt (RAP and/or RAS) when blended in the proportions of the mix design shall meet the PGAB requirements of AASHTO M 320 Table 1 for the grade of asphalt binder specified by the Contract.

This section is supplemented with the following:

The recycling agent used to rejuvenate the recovered asphalt from recycled asphalt pavement (RAP) and reclaimed asphalt shingles (RAS) shall meet the specifications in Table 1:

Table 1	RA 1	RA 5	RA 25
---------	------	------	-------

Test	ASTM Test Method	Min.	Max.	Min.	Max.	Min.	Max.
Viscosity @ 140°F cSt	D2170 or D2171	50	150	200	800	1000	4000
Flashpoint COC, °F	D92	400		400		400	
Saturates, Wt. %	D2007		30		30		30
Specific Gravity	D70 or D2198	Report		Report		Report	
Tests on Residue from RTFC	D2872						
Viscosity Ratio ¹			3		3		3
Mass Change ± %			4		4		4

¹Viscosity Ratio = $\frac{\text{RTFC Viscosity @ 140°F, cSt}}{\text{Original Viscosity @ 140°F, cSt}}$

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9-02.1(6)A Polymerized Cationic Emulsified Asphalt CRS-2P

In the ninth row of the table, "Test" is revised to read "Tests".

The eleventh row in the table is revised to read:

Elastic Recovery %	T 301 ²	50	
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The last two rows of the table are deleted.

Footnote 2 below the table is revised to read:

2 The residue material for T 301 shall come from the modified distillation per note 1.

Footnote 3 below the table is deleted.

The last paragraph is deleted.

9-03.AP9

Section 9-03, Aggregates

April 6, 2015

9-03.1(2)C Use of Substandard Gradings

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

Vacant

9-03.1(4)C Grading

In the second paragraph, the first sentence is deleted.

The third paragraph is deleted.

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9-03.1(5)B Grading

The last paragraph is revised to read:

The Contracting Agency may sample each aggregate component prior to introduction to the weigh batcher or as otherwise determined by the Engineer. Each component will be sieve analyzed separately in accordance with WSDOT FOP for WAQTC/AASHTO Test Method T-27/11. All aggregate components will be mathematically re-combined by the proportions (percent of total aggregate by weight) provided by the Contractor on Concrete Mix Design Form 350-040.

9-03.8(1) General Requirements

The first paragraph up until the colon is revised to read:

Preliminary testing of aggregates for source approval shall meet the following test requirements:

The list in the first paragraph is supplemented with the following:

Sand Equivalent 45 min.

The following new paragraph is inserted after the first paragraph:

Aggregate sources that have 100 percent of the mineral material passing the No. 4 sieve shall be limited to no more than 5 percent of the total weight of aggregate.

9-03.8(2) HMA Test Requirements

The second paragraph (up until the colon) is revised to read:

The mix design shall produce HMA mixtures when combined with RAP, RAS, coarse and fine aggregate within the limits set forth in Section 9-03.8(6) and mixed in the laboratory with the designated grade of asphalt binder, using the Superpave gyratory compactor in accordance with WSDOT FOP for AASHTO T 312, and at the required gyrations for N initial, N design, and N maximum with the following properties:

The third paragraph is revised to read:

The mix criteria for Hamburg Wheel-Track Testing and Indirect Tensile Strength do not apply to HMA accepted by commercial evaluation.

9-03.8(3)B Gradation – Recycled Asphalt Pavement and Mineral Aggregate

This section is supplemented with the following:

For HMA with greater than 20 percent RAP by total weight of HMA the RAP shall be processed to ensure that 100 percent of the material passes a sieve twice the size of the maximum aggregate size for the class of mix to be produced.

When any amount of RAS is used in the production of HMA the RAS shall be milled, crushed or processed to ensure that 100 percent of the material passes the ½ inch sieve. Extraneous materials in RAS such as metals, glass, rubber, soil, brick, tars, paper, wood and plastic shall not exceed 2.0 percent by mass as determined on material retained on the No. 4 sieve.

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9-03.14(3) Common Borrow

This section is revised to read:

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

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

Soil Plasticity Table

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

All percentages are by weight.

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

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

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

pH	WSDOT Test Method T 417	4.5 - 9	5 - 10
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9-03.21(1) General Requirements

The following new paragraph is inserted after the second paragraph:

Reclaimed asphalt shingles samples shall contain less than the maximum percentage of asbestos fibers based on testing procedures and frequencies established in conjunction with the specifying jurisdiction and state or federal environmental regulatory agencies.

9-04.AP9

**Section 9-04, Joint and Crack Sealing Materials
January 5, 2015**

9-04.1(4) Elastomeric Expansion Joint Seals

In this section, "AASHTO M 220" is revised to read "ASTM D 2628".

1 **9-04.2(1) Hot Poured Joint Sealants**
2 In the first paragraph, "AASHTO M 324" is revised to read "ASTM D 6690".
3

4 **9-04.2(2) Poured Rubber Joint Sealer**
5 In item number 9, "WSDOT Test Method No. 412" is revised to read "ASTM D 5329".
6

7 **9-05.AP9**

8 **Section 9-05, Drainage Structures and Culverts**
9 **April 7, 2014**

10 **9-05.13 Ductile Iron Sewer Pipe**
11 The first paragraph is deleted.
12

13 **9-06.AP9**

14 **Section 9-06, Structural Steel and Related Materials**
15 **January 5, 2015**

16 **9-06.5(4) Anchor Bolts**
17 The third sentence of the second paragraph is revised to read:
18

19 Nuts for ASTM F 1554 Grade 36 or 55 black or galvanized anchor bolts shall conform to
20 ASTM A 563, Grade A or DH.
21

22 **9-07.AP9**

23 **Section 9-07, Reinforcing Steel**
24 **January 6, 2014**

25 **9-07.5(1) Epoxy-Coated Dowel Bars (for Cement Concrete Pavement**
26 **Rehabilitation)**

27 This section is revised to read:
28

29 Epoxy-coated dowel bars shall be round plain steel bars of the dimensions shown in the
30 Standard Plans. They shall conform to AASHTO M 31, Grade 60 or ASTM A 615,
31 Grade 60 and shall be coated in accordance with ASTM A 1078 Type 2 coating, except
32 that the bars may be cut to length after being coated. Cut ends shall be coated in
33 accordance with ASTM A 1078 with a patching material that is compatible with the
34 coating, inert in concrete and recommended by the coating manufacturer. The thickness
35 of the epoxy coating shall be 10 mils plus or minus 2 mils. The Contractor shall furnish a
36 written certification that properly identifies the coating material, the number of each
37 batch of coating material used, quantity represented, date of manufacture, name and
38 address of manufacturer, and a statement that the supplied coating material meets the
39 requirements of ASTM A 1078 Type 2 coating. Patching material, compatible with the
40 coating material and inert in concrete and recommended by the manufacturer shall be
41 supplied with each shipment for field repairs by the Contractor.
42

43 **9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement)**

44 This section's title is revised to read:
45

1 **9-07.5(2) Corrosion Resistant Dowel Bars (for Cement Concrete Pavement and**
2 **Cement Concrete Pavement Rehabilitation)**

3
4 **9-08.AP9**

5 **Section 9-08, Paints and Related Materials**
6 **January 5, 2015**

7 **9-08.1(2)H Top Coat, Single Component, Moisture-Cured Polyurethane**

8 The second paragraph is revised to read:

9
10 Color and Gloss: As specified in the Plans or Special Provisions

11
12 The last item in the requirements list is revised to read:

13
14 The top coat shall be a gloss or semi-gloss

15
16 **9-08.1(8) Standard Colors**

17 The second paragraph is deleted.

18
19 The third paragraph is revised to read:

20
21 Unless otherwise specified, all top or finish coats shall be gloss or semi-gloss, with the
22 paint falling within the range of greater than 70 for gloss and 35 to 70 for semi-gloss on
23 the 60-degree gloss meter.

24
25 **9-09.AP9**

26 **Section 9-09, Timber and Lumber**
27 **January 6, 2014**

28 **9-09.3(1) General Requirements**

29 The fourth paragraph is revised to read:

30
31 All orders of treated timber and lumber shall be accompanied by a Certificate of
32 Treatment record. The Certificate of Treatment showing conformance to this
33 specification and AWWA standards shall include the following information:

34
35 Name and location of the wood preserving company,

36 Customer identification,

37 Date of treatment and charge number,

38 Type of chemical used and amount of retention,

39 Treating process and identification of the Specification used,

40
41 Boring records verifying treatment penetration for timber and lumber with a nominal
42 dimension of 6" x 6" or larger,

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44 Description of material that was treated, and
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Signature of a responsible plant official.

The fifth paragraph is deleted.

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

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

9-10.AP9

Section 9-10, Piling
March 3, 2014

9-10.5 Steel Piling

This section is revised to read:

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

1. API 5L Grade X42 or X52 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter.
2. ASTM A 252 Grade 2 or 3 material may be used for longitudinal seam welded or helical (spiral) seam submerged-arc welded pipe piles of any diameter. For the purposes of welding and prequalification of base metal, steel pipe pile designated as ASTM A 252 may be treated as prequalified provided the chemical composition conforms to a prequalified base metal classification listed in Table 3.1 of the AWS D1.1/D1.1M, latest edition, Structural Welding Code, the grade of pipe piling meets or exceeds the grade specified in the Plans, and the carbon equivalent (CE) is a maximum of 0.45-percent.
3. ASTM A 572 or ASTM A 588 material may be used for longitudinal seam welded piles of any diameter.

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

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

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

1 **9-13.AP9**

2 **Section 9-13, Riprap, Quarry Spalls, Slope Protection, and Rock for Erosion**
3 **and Scour Protection and Rock Walls**
4 **January 5, 2015**

5 This section's content is deleted.

6
7 **9-13.1 Loose Riprap**

8 This section's content, including title and subsections, is revised to read the following:

9
10 **9-13.1 Riprap and Quarry Spalls**

11
12 **9-13.1(1) General**

13 Riprap and quarry spalls shall consist of broken stone or broken concrete rubble
14 and shall be free of rock fines, soil, or other extraneous material. Concrete rubble
15 shall not be contaminated by foreign materials such as fibers, wood, steel, asphalt,
16 sealant, soil, plastic and other contaminants or deleterious material. Concrete
17 rubble that is imported to the job site will require testing and certification for toxicity
18 characteristics per Section 9-03.21(1).

19
20 The grading of the riprap shall be determined by the Engineer by visual inspection
21 of the load before it is dumped into place, or, if so ordered by the Engineer, by
22 dumping individual loads on a flat surface and sorting and measuring the individual
23 rocks contained in the load. Should the riprap contain insufficient spalls, as defined
24 in Section 9-13.1(5), the Contractor shall furnish and place supplementary spall
25 material.

26
27 Riprap and quarry spalls shall be free from segregation, seams, cracks, and other
28 defects tending to destroy its resistance to weather and shall conform to the
29 following requirements for quality.

30

Aggregate Property	Test Method	Requirement
Degradation Factor	WSDOT T 113	15 minimum
Los Angeles Wear, 500 Rev.	AASHTO T 96	50% maximum
Specific Gravity, SSD	AASHTO T 85	2.55 minimum

31
32 **9-13.1(2) Heavy Loose Riprap**

33 Heavy loose riprap shall meet the following requirements for grading:

34

	Minimum Size	Maximum Size
40% to 90%	1 ton (½ cubic yd.)	
70% to 90%	300 lbs. (2 cu. ft.)	
10% to 30%	3 inch	50 lbs. (spalls)

35
36
37 **9-13.1(3) Light Loose Riprap**

38 Light loose riprap shall meet the following requirements for grading:

39

	Size Range	Maximum Size
20% to 90%	300 lbs. to 1 ton (2 cu. ft. to ½ cu. yd.)	

15% to 80%	50 lbs. to 1 ton ($\frac{1}{2}$ cu. ft. to $\frac{1}{2}$ cu. yd.)	
10% to 20%	3 inch	50 lbs. (spalls)

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9-13.1(4) Hand Placed Riprap

Hand placed riprap shall be as nearly rectangular as possible, 60 percent shall have a volume of not less than 1 cubic foot. No stone shall be used which is less than 6 inches thick, nor which does not extend through the wall.

9-13.1(5) Quarry Spalls

Quarry spalls shall meet the following requirements for grading:

Sieve Size	Percent Passing
8"	100
3"	40 max.
$\frac{3}{4}$ "	10 max.

10

9-13.2 Hand Placed Riprap

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

13

9-13.2 Vacant

15

9-13.4 Rock for Erosion Control and Scour Protection

The last sentence is revised to read:

18

The use of recycled materials and concrete rubble is not permitted for this application.

20

9-13.6 Quarry Spalls

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

23

9-13.6 Vacant

25

9-14.AP9

26

Section 9-14, Erosion Control and Roadside Planting

January 5, 2015

28

9.14.1 Soil

This section, including title, is revised to read:

31

9-14.1 Topsoil

Topsoil shall not contain any recycled material, foreign materials, or any listed Noxious and Nuisance weeds of any Class designated by authorized State or County officials. Aggregate shall not comprise more than 10% by volume of Topsoil and shall not be greater than two inches in diameter.

37

9-14.1(2) Topsoil Type B

The last sentence of the second paragraph is deleted.

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9-14.2 Seed

This section is revised to read:

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Seed of the type specified shall be certified in accordance with WAC 16-302. Seed mixes shall be commercially prepared and supplied in sealed containers. The labels shall show:

- (1) Common and botanical names of seed
- (2) Lot number
- (3) Net weight
- (4) Pounds of Pure live seed (PLS) in the mix
- (5) Origin of seed

All seed vendors must have a business license issued by supplier's state or provincial Department of Licensing with a "seed dealer" endorsement.

9-14.4(3) Bark or Wood Chips

This section's title is revised to read:

Bark or Wood Chip Mulch

The first paragraph is revised to read:

Bark or wood chip mulch shall be derived from fir, pine, or hemlock species. It shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust shall not be used as mulch. Mulch produced from finished wood products or construction debris will not be allowed.

9-14.4(6) Gypsum

The first sentence is revised to read:

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

9-14.4(7) Tackifier

This section is revised to read:

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

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

9-14.4(8) Compost

The second paragraph is revised to read:

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

1 **9-14.4(8)A Compost Submittal Requirements**

2 Item 2 is revised to read:

3

- 4 2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the
- 5 Jurisdictional Health Department in accordance with WAC 173-350 (Minimum
- 6 Functional Standards for Solid Waste Handling).
- 7

8 **9-14.6(1) Description**

9 Item number 3 in the fourth paragraph is revised to read:

10

- 11 3. Live pole cuttings shall have a diameter between 2 inches and 3.5 inches. Live
- 12 poles shall have no more than three branches which must be located at the top end
- 13 of the pole and those branches shall be pruned back to the first bud from the main
- 14 stem.
- 15

16 **9-14.6(2) Quality**

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

18

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

24

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

27

28 **9-15.AP9**

29 **Section 9-15, Irrigation System**

30 **August 4, 2014**

31 **9-15.18 Detectable Marking Tape**

32 In the second paragraph, the table is supplemented with the following new row:

33

Non-Potable Water	Purple
-------------------	--------

34

35

36 **9-16.AP9**

37 **Section 9-16, Fence and Guardrail**

38 **August 4, 2014**

39 **9-16.2(1)B Wood Fence Posts and Braces**

40 In the table, the row beginning with "ACA" is deleted.

41

1 **9-29.AP9**

2 **Section 9-29, Illumination, Signal, Electrical**
3 **April 6, 2015**

4 **9-29.1 Conduit, Innerduct, and Outerduct**

5 This section is supplemented with the following new subsection:
6

7 **9-29.1(9) Repair**

8 Manufacturer repair kits shall be used for field repair of existing conduit, innerduct and
9 outerduct. The conduit repair kit shall be manufactured specifically for the repair of
10 existing damaged conduit, inner duct and outer duct. The repair kit shall be
11 prepackaged and include the split conduit and split couplings necessary to restore the
12 damaged conduit to the original inside dimensions including a water and air tight seal.
13

14 **9-29.2(1)B Heavy Duty Junction Boxes**

15 The second paragraph is revised to read:
16

17 The Heavy-Duty Junction Box steel frame, lid support and lid fabricated from steel plate
18 and shapes shall be painted with a shop applied, inorganic zinc primer in accordance
19 with Section 6-07.3. Ductile iron and gray iron castings shall not be painted.
20

21 The following new paragraph is inserted after the second paragraph:
22

23 The concrete used in Heavy-Duty Junction Boxes shall have a minimum compressive
24 strength of 4,000 psi.
25

26 In the fourth paragraph (after the preceding Amendment is applied), the table is revised to
27 read:
28

Materials	Requirement
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Lid	ASTM A 786 diamond plate steel, rolled from plate complying with ASTM A 572, grade 50 or ASTM A 588, and having a min. CVN toughness of 20 ft-lb at 40 degrees F. Or Ductile iron casting meeting Section 9-05.15
Frame and stiffener plates	ASTM A 572 grade 50 or ASTM A 588, both with min. CVN toughness of 20 ft-lb at 40 degrees F Or Gray iron casting meeting Section 9-05.15
Anchors (studs)	Section 9-06.15
Threaded Anchors for Gray Iron Frame	ASTM F1554 grade 55 Headed Anchor Requirements
Bolts, Studs, Nuts, Washers	ASTM F 593 or A 193, Type 304 or 316, or Stainless steel grade 302, 304, or 316 in accordance with approved shop drawings
Hinges and Locking and Latching Mechanism and associated Hardware and Bolts	In accordance with approved shop drawings

1
2 The last paragraph is revised to read:
3

4 The bearing seat and lid perimeter shall be free from burrs, dirt, and other foreign debris
5 that would prevent solid seating. Bolts and nuts shall be liberally coated with anti-seize
6 compound. Bolts shall be installed snug tight. The bearing seat and lid perimeter shall
7 be machined to allow a minimum of 75 percent of the bearing areas to be seated with a
8 tolerance of 0.0 to 0.005 inches measured with a feeler gage. The bearing area
9 percentage will be measured for each side of the lid as it bears on the frame.
10

11 **9-29.2(2) Standard Duty and Heavy-Duty Cable Vaults and Pull Boxes**

12 This section's title is revised to read:
13

14 **Small Cable Vaults, Standard Duty Cable Vaults, Heavy-Duty Cable Vaults,
15 Standard Duty Pull Boxes, and Heavy-Duty Pull Boxes**
16

17 In the first paragraph, the first sentence is revised to read:
18

19 Small, Standard Duty and Heavy-Duty Cable Vaults and Standard Duty and Heavy-Duty
20 Pull Boxes shall be constructed as a concrete box and as a concrete lid.
21

22 **9-29.2(2)A Standard Duty Cable Vaults and Pull Boxes**

23 This section's title is revised to read:
24

25 **Small Cable Vaults, Standard Duty Cable Vaults, and Standard Duty Pull Boxes**
26

27 The first paragraph is revised to read:
28

29 Small and Standard Duty Cable Vaults and Standard Duty Pull boxes shall be concrete
30 and have a minimum load rating of 22,500 pounds and be tested in accordance with
31 Section 9-29.2(1)C for concrete Standard Duty Junction Boxes.
32

33 In the second paragraph, the first sentence is revised to read:
34

35 Concrete for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall
36 have a minimum compressive strength of 4,000 psi.
37

38 In the third paragraph, the first sentence is revised to read:
39

40 All Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes placed in
41 sidewalks, walkways, and shared-use paths shall have slip-resistant surfaces.
42

43 The fourth paragraph (up until the colon) is revised to read:
44

45 Materials for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall
46 conform to the following:
47

48 **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

49 This section is supplemented with the following new subsection:
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9-29.3(3) Wire Marking Sleeves

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

9-29.3(2)A4 Location Wire

This section is revised to read:

Location wire shall be steel core copper clad minimum size AWG 14 insulated conductor. The insulation shall be orange High Molecular Weight High Density Polyethylene (HMHDPE).

9-29.16 Vehicular Signal Heads, Displays, and Housing

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

A 1-inch-wide strip of yellow retro-reflective, type IV prismatic sheeting, conforming to the requirements of Section 9-28.12, shall be applied around the perimeter of each backplate with the exception of installations where all sections of the display will be dark as part of normal operation such as ramp meters, hawk signals and tunnels.

9-31.AP9

**Section 9-31, Elastomeric Bearing Pads
August 4, 2014**

This section's title is revised to read:

Elastomeric Pads

9-31.1 Requirements

In the first paragraph, the word "bearing" is deleted from the first sentence.

In the first sentence of the second paragraph, the word "bearing" is deleted and replaced with "elastomeric".

In the last sentence of the second paragraph, the word "Bearing" is deleted and replaced with "Elastomeric".

In the third paragraph, the word "bearing" is deleted and replaced with the word "elastomeric".

9-32.AP9

**Section 9-32, Mailbox Support
August 4, 2014**

9-32.7 Type 2 Mailbox Support

The first sentence is revised to read:

Type 2 mailbox supports shall be 2-inch 14-gage steel tube and shall meet the NCHRP 350 or the Manual for Assessing Safety Hardware (MASH) crash test criteria.

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9-34.AP9

**Section 9-34, Pavement Marking Material
January 5, 2015**

9-34.2 Paint

The second paragraph is revised to read:

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

9-34.4 Glass Beads for Pavement Marking Materials

In the third paragraph, the table titled "Metal Concentration Limits" is revised to read:

Metal Concentration Limits		
Element	Test Method	Max. Parts Per Million (ppm)
Arsenic	EPA 3052 SW-846 6010C	10.0
Barium	EPA 3052 SW-846 6010C	100.0
Cadmium	EPA 3052 SW-846 6010C	1.0
Chromium	EPA 3052 SW-846 6010C	5.0
Lead	EPA 3052 SW-846 6010C	50.0
Silver	EPA 3052 SW-846 6010C	5.0
Mercury	EPA 3052 SW-846 7471B	4.0

9-34.5 Temporary Pavement Marking Tape

This section is revised to read:

Biodegradable tape with paper backing is not allowed.

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

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

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

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

Temporary pavement marking tape for long duration shall conform to ASTM D4592 Type I. Temporary pavement marking tape for long duration, except for black tape, shall have a minimum initial coefficient of retroreflective luminance of $200 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$ when measured in accordance with ASTM E 2832 or ASTM E 2177. Black tape, black mask tape and the black portion of the contrast removable tape, shall be non-reflective.

9-34.6 Temporary Raised Pavement Markers

This section's title is revised to read:

Temporary Flexible Raised Pavement Markers

The second paragraph is deleted.

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9-35.AP9

**Section 9-35, Temporary Traffic Control Materials
August 4, 2014**

9-35.0 General Requirements

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

Barrier Drums

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

Certification for crashworthiness according to NCHRP 350 or the Manual for Assessing Safety Hardware (MASH) will be required as described in Section 1-10.2(3).

9-35.2 Construction Signs

The first sentence is revised to read:

Construction signs shall conform to the requirements of the MUTCD and shall meet the requirements of NCHRP Report 350 for Category 2 devices or MASH.

9-35.7 Traffic Safety Drums

The third paragraph is revised to read:

Drums and light units shall meet the crashworthiness requirements of NCHRP 350 or MASH as described in Section 1-10.2(3).

9-35.8 Barrier Drums

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

9-35.8 Vacant

9-35.12 Transportable Attenuator

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

The Contractor shall provide certification that the transportable attenuator complies with NCHRP 350 Test level 3 or MASH Test Level 3 requirements.

9-35.13 Tall Channelizing Devices

In the sixth paragraph, the last sentence is revised to read:

The method of attachment must ensure that the light does not separate from the device upon impact and light units shall meet the crashworthiness requirements of NCHRP 350 or MASH as described in Section 1-10.2(3).

SECTION II

SPECIAL PROVISIONS

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INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2014 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

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

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

(March 8, 2013 APWA GSP)

(April 1, 2013 WSDOT GSP)

Also incorporated into the Contract Documents by reference are:

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

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

**DIVISION 1
GENERAL REQUIREMENTS**

DESCRIPTION OF WORK

(March 13, 1995 WSDOT GSP)

This contract provides for the improvement of Maple Avenue from Pine Avenue to the northern city limits. It includes grinding, hot mix asphalt, curb, gutter, sidewalk, striping, signing, temporary erosion and sedimentation control, temporary traffic control, roadway surveying and other work necessary to complete the project in the City of Snohomish, Snohomish County, Washington, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions

(March 8, 2013 APWA GSP)

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

Dates

Bid Opening Date

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

Award Date

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

Contract Execution Date

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

Notice to Proceed Date

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

Substantial Completion Date

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

Physical Completion Date

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

Completion Date

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

Final Acceptance Date

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

Supplement this Section with the following:

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

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

All references to "final contract voucher certification" shall be interpreted to mean the final payment form established by the Contracting Agency.

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

Additive

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

Alternate

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

Business Day

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

Contract Bond

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

Contract Documents

See definition for "Contract".

Contract Time

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

Notice of Award

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

Notice to Proceed

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

Traffic

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

1-02 BID PROCEDURES AND CONDITIONS

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Prequalification of Bidders

Delete this Section and replace it with the following:

1-02.1 Qualifications of Bidder

(January 24, 2011 APWA GSP)

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

1-02.2 Plans and Specifications

Delete this section and replace it with the following:

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

After award of the contract, Plans and Specifications will be issued to the Contractor at no cost as detailed below.

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced Plans (11" x 17") and Contract Provisions	10	Furnished automatically upon award.

Large Plans (e.g., 22" x 34")
and Contract Provisions

1

Furnished automatically
upon request.

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

1-02.6.GR1 Preparation of Proposal

(May 7, 2012 APWA GSP)

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

1-02.6.OPT10.GR1

(May 7, 2012)

The Bidder shall submit with the Bid a completed Disadvantaged Business Enterprise (DBE) Utilization Certification, when required by the Special Provisions. For each and every DBE firm listed on the Bidder's completed Disadvantaged Business Enterprise Utilization Certification, the Bidder shall submit written confirmation from that DBE firm that the DBE is in agreement with the DBE participation commitment that the Bidder has made in the Bidder's completed Disadvantaged Business Enterprise Utilization Certification. WSDOT Form 422 031 EF (Disadvantaged Business Enterprise Written Confirmation Document) is to be used for this purpose. Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit sufficient DBE participation have been unsuccessful. Directions for delivery of the Disadvantaged Business Enterprise Written Confirmation Documents and Disadvantaged Business Enterprise Good Faith Effort documentation are included in Sections 1-02.9.

1-02.6.OPT15.GR1

(August 2, 2004)

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

1-02.9 Delivery of Proposal

(August 15, 2012 APWA GSP, Option A)

Delete this section and replace it with the following:

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

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

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

1-02.13 Irregular Proposals

(March 13, 2012 APWA GSP)

Revise Item 1 to read:

1. A proposal will be considered irregular and will be rejected if:
 - a. The Bidder is not prequalified when so required;
 - b. The authorized proposal form furnished by the Contracting Agency is not used or is altered;
 - c. The completed proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
 - d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into the Contract;
 - e. A price per unit cannot be determined from the Bid Proposal;
 - f. The Proposal form is not properly executed;
 - g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
 - h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;
 - i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
 - j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
 - l. More than one proposal is submitted for the same project from a Bidder under the same or different names.

1-02.14 Disqualification of Bidders

(March 8, 2013 APWA GSP, Option A)

Delete this Section and replace it with the following:

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

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

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

1-02.15 Pre Award Information

(August 14, 2013 APWA GSP)

Revise this section to read:

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

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

1-03 AWARD AND EXECUTION OF CONTRACT

1-03.1 Consideration of Bids

(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

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

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

Revise this section to read:

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

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

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

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

1-03.4 Contract Bond
(December 8, 2014 APWA GSP)

Revise the first paragraph to read:

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

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

1-04 SCOPE OF THE WORK

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

(March 13, 2012 APWA GSP)

Revise the second paragraph to read:

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

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

1-05 CONTROL OF WORK

1-05.4 Conformity With and Deviations from Plans and Stakes

(April 1, 2013 WSDOT GSP)

Section 1-5.4 is supplemented with the following:

Contractor Surveying - Roadway

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

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

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

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

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

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

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.
4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor.
5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.
7. Establish intermediate elevation benchmarks as needed to check work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.
10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement.

The Contractor shall submit these changes to the Project Engineer for review and approval 10 days prior to the beginning of work.

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

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

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)

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

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

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

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

Stakes shall be marked in accordance with WSDOT Standard Plan A-10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

Payment

Payment will be made in accordance with Section 1-04.1 for the following bid item when included in the proposal:

"Roadway Surveying", lump sum.

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

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

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

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

1-05.11 Final Inspection

(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

1-05.11(1) Substantial Completion Date

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

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

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

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

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

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in

writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7. The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

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

1-05.11(3) Operational Testing

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

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

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

1-05.13 Superintendents, Labor, and Equipment of Contractor

(March 25, 2009 APWA GSP)

Revise the seventh paragraph to read:

Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to Section 1-02.14, it will take these performance reports into account.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

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

Add the following new section:

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

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

Add the following new section:

1-05.17 Oral Agreements

(October 1, 2005 APWA GSP)

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

1-06 CONTROL OF MATERIAL

(August 6, 2012 WSDOT GSP)

Section 1-06 is supplemented with the following:

Buy America

In accordance with Buy America requirements contained in 23 CFR 635.410, the major quantities of steel and iron construction material that is permanently incorporated into the project shall consist of American-made materials only. Buy America does not apply to temporary steel items, e.g., temporary sheet piling, temporary bridges, steel scaffolding and falsework.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent of the total contract cost or \$2,500.00, whichever is greater.

American-made material is defined as material having all manufacturing processes occurring domestically. To further define the coverage, a domestic product is a manufactured steel material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

If domestically produced steel billets or iron ingots are exported outside of the area of coverage, as defined above, for any manufacturing process then the resulting product does not conform to the Buy America requirements. Additionally, products manufactured domestically from foreign source steel billets or iron ingots do not conform to the Buy America requirements because the initial melting and mixing of alloys to create the material occurred in a foreign country.

Manufacturing begins with the initial melting and mixing, and continues through the coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. The processes include rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron.

Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys); scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.

The following are considered to be steel manufacturing processes:

1. Production of steel by any of the following processes:
 - a. Open hearth furnace.
 - b. Basic oxygen.
 - c. Electric furnace.
 - d. Direct reduction.
2. Rolling, heat treating, and any other similar processing.
3. Fabrication of the products.
 - a. Spinning wire into cable or strand.
 - b. Corrugating and rolling into culverts.

c. Shop fabrication.

A certification of materials origin will be required for any items comprised of, or containing, steel or iron construction materials prior to such items being incorporated into the permanent work. The certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as DOT Form 350-109EF.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to be Observed

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

1-07.2 State Sales Tax

(June 27, 2011 APWA GSP)

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

1-07.2 State Sales Tax

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

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

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

1-07.2(1) State Sales Tax — Rule 171

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

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

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

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

1-07.2(3) Services

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

1-07.9 Wages

1-07.9(1) General

Section 1-07.9(1) is supplemented with the following:

(January 12, 2015)

The Federal wage rates incorporated in this contract have been established by the Secretary of Labor under United States Department of Labor General Decision No. WA130001.

The State rates incorporated in this contract are applicable to all construction activities associated with this contract.

1-07.11 Requirements for Nondiscrimination

Section 1-07.11 is supplemented with the following:

(April 5, 2013)

Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)

1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard Federal Equal Employment Opportunity Construction Contract Specifications set forth herein.
2. The goals and timetables for minority and female participation set by the Office of Federal Contract Compliance Programs, expressed in percentage terms for the Contractor's aggregate work force in each construction craft and in each trade on all construction work in the covered area, are as follows:

Women - Statewide

Timetable

Until further notice

Minorities - by Standard Metropolitan Statistical Area (SMSA)

Goal

6.9%

Spokane, WA:	
SMSA Counties:	
Spokane, WA	2.8%
WA Spokane.	
Non-SMSA Counties	
WA Adams; WA Asotin; WA Columbia; WA Ferry;	3.0%
WA Garfield; WA Lincoln, WA Pend Oreille; WA Stevens;	
WA Whitman.	
Richland, WA	
SMSA Counties:	
Richland Kennewick, WA Benton; WA Franklin	5.4%
Non-SMSA Counties	
WA Walla Walla.	3.6%
Yakima, WA:	
SMSA Counties:	
Yakima, WA	9.7%
WA Yakima.	
Non-SMSA Counties	
WA Chelan; WA Douglas; WA Grant; WA Kittitas;	7.2%
WA Okanogan.	
Seattle, WA:	
SMSA Counties:	
Seattle Everett, WA	7.2%
WA King; WA Snohomish.	
Tacoma, WA	6.2%
WA Pierce.	
Non-SMSA Counties	
WA Clallam; WA Grays Harbor; WA Island; WA Jefferson	6.1%
WA Kitsap; WA Lewis; WA Mason; WA Pacific; WA San Juan	
WA Skagit; WA Thurston; WA Whatcom	
Portland, OR:	
SMSA Counties:	
Portland, OR-WA	4.5%
WA Clark.	
Non-SMSA Counties	
WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.	3.8%

These goals are applicable to each nonexempt Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a Federal, or federally assisted project, contract, or subcontract until further notice. Compliance with these goals and time tables is enforced by the Office of Federal Contract compliance Programs.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause,

specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, in each construction craft and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goal shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of \$10,000 or more that are Federally funded, at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the Subcontractor; employer identification number of the Subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed. The notification shall be sent to:

U.S. Department of Labor, OWCP
Attn: District Director
San Francisco Federal Building
90 – 7th Street, Suite 18-300
San Francisco, CA 94103
(415) 625-7800 Phone
(415) 625-7799 Fax

Additional information may be found at the U.S. Department of Labor website:
<http://www.dol.gov/ofccp/TAguides/ctaguide.htm>

4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is as designated herein.

Standard Federal Equal Employment Opportunity Construction Contract Specifications
(Executive Order 11246)

1. As used in these specifications:
 - a. Covered Area means the geographical area described in the solicitation from which this contract resulted;
 - b. Director means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;

- c. Employer Identification Number means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941;
- d. Minority includes:
 - (1) Black, a person having origins in any of the Black Racial Groups of Africa.
 - (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of Mexican, Puerto Rican, Cuban, Central American, South American, or other Spanish origin.
 - (3) Asian or Pacific Islander, a person having origins in any of the original peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and Samoa.
 - (4) American Indian or Alaskan Native, a person having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.
- 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
- 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith effort to achieve the Plan goals and timetables.
- 4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for

the geographical area where the work is being performed. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its action. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.

- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunity and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the U.S. Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

- j. Encourage present minority and female employees to recruit other minority persons and women and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
 - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
 - l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of the obligations under 7a through 7p of this Special Provision provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensure that the concrete benefits of the program are reflected in the Contractor's minority and female work-force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrate the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspensions, terminations and cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of this Special Provision, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the government and to keep records. Records shall at least include, for each employee, their name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, the Contractors will not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area

residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

16. Additional assistance for Federal Construction Contractors on contracts administered by Washington State Department of Transportation or by Local Agencies may be found at:

Washington State Dept. of Transportation
Office of Equal Opportunity
PO Box 47314
310 Maple Park Ave. SE
Olympia WA
98504-7314
Ph: 360-705-7090
Fax: 360-705-6801
<http://www.wsdot.wa.gov/equalopportunity/default.htm>

1-07.11 Requirements for Nondiscrimination

(December 8, 2014 APWA GSP, Option B)

Supplement this section with the following:

Disadvantaged Business Enterprise Condition of Award Participation

The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 apply to this Contract. Demonstrating compliance with these specifications is a Condition of Award (COA) of this Contract. Failure to comply with the requirements of this specification may result in your bid being found to be nonresponsive and may be rejected.

DBE COA Goal

The Contracting Agency has established a COA Contract goal in the amount of: **11%**.

DBE Eligibility/Selection of DBEs

A Directory of Certified DBE Firms denoting the Description of Work the DBE Contractors are certified to perform is available at:

www.omwbe.wa.gov/certification/index.shtml

The directory provides plain language on the Description of Work that the listed DBE's have been certified by the Office of Minority and Women's Business Enterprises (OMWBE) to perform. The Bidder shall use the Directory of Certified DBE Firms to confirm if a DBE is certified for the "Description of Work" the Bidder lists on the DBE Utilization Certification form # 272-056 EF (see form instructions) and therefore qualifies for credit towards the COA goal.

Crediting DBE Participation

Joint Venture

When a DBE performs as a participant in a joint venture, only that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE performs with its own forces shall be credited.

DBE Prime Contractor

A DBE Prime Contractor may only take credit for that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE Prime performs with its own forces.

DBE Subcontractor

When a DBE firm participates as a Subcontractor only that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE performs with its own forces shall be credited.

- Include the cost of supplies and materials obtained by the DBE for the Work in the Contract including supplies purchased or equipment leased by the DBE.
- However, you may not take credit for supplies, materials, and equipment the DBE Subcontractor purchases or leases from the Prime Contractor or its affiliate. In addition, Work performed by a DBE, utilizing resources of the Prime Contractor or its affiliates shall not be credited.
- In very rare situations, a DBE firm may utilize equipment and/or personnel from a non-DBE firm other than the Prime Contractor or its affiliates. Should this situation arise the arrangement must be short-term and have prior written approval from the Office of Equal Opportunity (OEO).
- Count the entire value of fees or commissions charged by a DBE firm for providing a bona fide service, such as professional, technical, consultant, managerial services, or for providing bonds or insurance.
- When a DBE subcontracts to another firm, the value of the subcontracted Work may be counted as participation only if the DBE's lower tier Subcontractor is also a DBE. Work that a DBE subcontracts to a non-DBE firm shall not be credited.
- When non-DBE Subcontractor further subcontracts to a lower-tier Subcontractor or supplier who is a certified DBE, then that portion of the Work further subcontracted may be credited as DBE participation, provided it is a distinct clearly defined portion of the Work that the DBE is certified to perform and the DBE Subcontractor performs the Work with its own forces.

- If a firm is not certified as a DBE at the time of the execution of the contract, their participation cannot be counted toward any DBE goals.

Trucking

Use the following factors in determining DBE credit and whether a DBE trucking company is performing a commercially useful function:

1. The DBE must be responsible for the management and supervision of the entire trucking operation for which credit is being claimed.
2. The DBE must itself own and, with its own workforce, operate at least one fully licensed, insured, and operational truck used on the Contract.
3. The DBE receives credit only for the value of the transportation services it provides on the Contract using trucks it owns or leases, licenses, insures, and operates with drivers it employs. For purposes of this requirement a lease must indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others provided it is with the consent of the DBE and the lease provides the DBE first priority for use of the leased truck. Leased trucks must display the name and identification number of the DBE.
4. The DBE may lease trucks from another DBE firm including an owner-operator provided they are certified as a DBE for trucking. The DBE who leases trucks from another DBE may claim participation for the total value of the transportation services the lessee DBE provides on the Contract.
5. The DBE may also lease trucks from a non-DBE firm and may enter into an agreement with an owner-operator who is a non-DBE. The DBE shall only receive credit for the number of additional non-DBE trucks equal or less than the number of DBE trucks the firms owns or has leased/subcontracted through another DBE trucking company. The DBE must control the work of the non-DBE trucks. If the non-DBE is performing the work without supervision of that work by the DBE, the DBE is not performing a Commercially Useful Function (CUF).
6. In any lease or owner-operator situation, as described in requirement #4 and #5 above, the following rules shall apply:
 - a. A written lease/rental agreement is required for all trucks leased or rented; documenting the ownership and the terms of the agreement. The agreements must be submitted and approved by the Contracting Agency prior to the beginning of the Work. The agreement must show the leaser's name, truck description and agreed upon amount and method of payment (hour, ton, or per load). All lease agreements shall be for a long-term relationship, rather

than for the individual project. (This requirement does not apply to owner-operator arrangements.)

b. Only the vehicle, (not the operator) may be leased or rented. (This requirement does not apply to owner-operator arrangements).

7. Credit may only be claimed for DBE trucking firms operating under a subcontract or a written agreement approved by the Contracting Agency prior to performing Work.

Expenditures paid to other DBEs

Expenditures paid to other DBEs for materials or supplies may be counted toward DBE goals as provided in the following:

Manufacturer

You may claim DBE credit for 100 percent of value of the materials or supplies obtained from a DBE manufacturer.

A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract. A manufacturer shall include firms that produce finished goods or products from raw or unfinished material or that purchases and substantially alters goods and materials to make them suitable for construction use before reselling them.

In order to receive credit as a DBE Manufacturer, the firm must be certified by OMWBE as a manufacturer in a NAICS code that falls within the 31XXXX to 33XXXX classification.

Regular Dealer

You may claim credit for 60 percent of the value of the materials or supplies purchased from a DBE regular dealer. Rules applicable to regular dealer status are contained in 49 CFR Part 26.55.e.2.

To be considered a regular dealer you must meet the following criteria:

- WSDOT considers and recognizes a regular dealer, as a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the Contract and described by the specifications of the Contract are bought, kept in stock and regularly sold or leased to the public in the usual course of business.
- Sixty percent (60%) of the cost of materials or supplies purchased from an approved regular dealer may be credited as DBE participation.

Regular dealer status is granted on a contract-by-contract basis. A firm wishing to be approved as a regular dealer for WSDOT contracted projects or Highways & Local Program administered projects must submit a request in writing to OEO for approval, no later than seven days prior to bid opening.

Once the OEO has received the request, an onsite review will be set up with the firm and a review conducted to determine the firm's qualifications. If it is determined that the firm qualifies as a regular dealer the OEO will list the firm on an Approved Regular Dealers List. The list may be accessed through the OEO Home website is at:

www.wsdot.wa.gov/equalopportunity.

Note: Requests to be listed as a regular dealer will only be processed if the requesting firm is certified by the Office of Minority and Women's Business Enterprises in a NAICS code that fall within the 42XXXX NAICS Wholesale code section.

Materials or Supplies Purchased from a DBE

With regard to materials or supplies purchased from a DBE who is neither a manufacturer nor a regular dealer you may claim credit for the following:

1. Fees or commissions charged for assistance in the procurement of the materials and supplies.
2. Fees or transportation charges for the delivery of materials or supplies.

In either case you may not take credit for any part of the cost of the materials and supplies.

Commercially Useful Function (CUF)

The Prime Contractor has a responsibility and must treat the working relationship with the DBE such that the DBE is performing a commercially useful function. The Prime Contractor may only take credit for Work performed by a DBE that is determined to be performing a commercially useful function.

- A DBE performs a commercially useful function when it is responsible for execution of a distinct element of Work and is carrying out its responsibilities by performing, managing and supervising the Work involved. The DBE must also be responsible with respect to materials and supplies used on the Contract. For example; negotiating price, determining quality, determining quantities, ordering, installing (if applicable) and paying for the material itself.

- A DBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, Contract, or project through which funds are passed.

Joint Checking Allowance

Prime Contractors and DBEs must receive pre-approval by the OEO before using a joint check. Joint check requests shall be submitted by the Prime Contractor to the Contracting Agency for approval.

When requesting approval for use of a joint checking allowance, the Contractor must distribute a written joint check agreement among the parties (including the suppliers involved) providing full and prompt disclosure of the expected use of the joint checks. The agreement shall contain all the information concerning the parties' obligations and consequences or remedies if the agreement is not fulfilled or a breach occurs. The joint check request shall be submitted to the Contracting Agency for approval prior to signing the contract agreement.

The following are some general conditions that must be met by all parties regarding joint check use:

- a. It is understood that the Prime Contractor acts solely as the guarantor of a joint check.
- b. The DBE's own funds are used to pay supplier of materials. The Prime Contractor does not make direct payment to supplier. In order to be performing a Commercially Useful Function (CUF), the DBE must release the check to the supplier (paying for the materials it-self and not be an extra participant in a transaction).
- c. If the Prime Contractor makes joint checks available to one DBE Subcontractor, the service must be made available to all Subcontractors (DBE and non-DBE).
- d. The relationship between the DBE and its suppliers should be established independently of and without interference by the Prime Contractor. The DBE has final decision-making responsibility concerning the procurement of materials and supplies, including which supplier to use.
- e. The Prime Contractor and DBE shall be able to provide receipts, invoices, cancelled checks and/or certification statements of payment if requested by the Contracting Agency.
- f. The DBE remains responsible for all other elements of 49 CFR 26.55(c)(1).

Failure by the Prime Contractor to request and receive prior approval of a joint check arrangement will result in the joint check amount not counting towards the Prime Contractor's DBE goal.

Disadvantaged Business Enterprise Utilization Certification FORM # 272-056 EF

To be eligible for award of the Contract, the Bidder shall properly complete and submit a Disadvantaged Business Enterprise Utilization Certification with the Bidder's sealed Bid Proposal, as specified Section 1-02.9 Delivery of Proposal. The Bidder's Disadvantaged Business Enterprise Utilization Certification must clearly demonstrate how the Bidder intends to meet the DBE COA goal. A Disadvantaged Business Enterprise Utilization Certification (form # 272-056 EF) is included in your Proposal package for this purpose as well as instructions on how to properly fill out the form.

In the event of arithmetic errors in completing the Disadvantaged Business Enterprise Utilization Certification the amount listed to be applied towards the goal for each DBE shall govern and the DBE total amount shall be adjusted accordingly.

Note: The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal submitted that does not contain a Disadvantaged Business Enterprise Utilization Certification that accurately demonstrates how the Bidder intends to meet the COA goal.

Disadvantaged Business Enterprise (DBE) Written Confirmation Document(s) FORM # 422-031 EF

The Bidder shall submit a complete and accurate Disadvantaged Business Enterprise (DBE) Written Confirmation Document for each DBE firm listed in the Bidder's completed Disadvantaged Business Enterprise Utilization Certification as submitted with the bid. Failure to do so will result in the associated participation being disallowed, which may result in bid rejection.

A Disadvantaged Business Enterprise (DBE) Written Confirmation Document (form No. 422-031 EF) is included in your Proposal package for this purpose.

The form(s) shall be received as specified in the special provisions for Section 1-02.9 Delivery of Proposal.

It is prohibited for the Bidder to require a DBE to submit a Written Confirmation Document with any part of the form left blank. Should the Contracting Agency determine that a Written Confirmation Document was signed by a DBE that was not complete; the validity of the document comes into question and the associated DBE Participation may not receive credit.

Selection of Successful Bidder/Good Faith Efforts (GFE)

The successful Bidder shall be selected on the basis of having submitted the lowest responsive Bid, which demonstrates a good faith effort to achieve the DBE COA goal. Achieving the goal may be accomplished in one of two ways, as follows:

1. By meeting the goal

The best indication of good faith efforts is to document, through submission of the Disadvantaged Business Enterprise Utilization Certification and supporting Disadvantaged Business Enterprise (DBE) Written Confirmation Document(s) that the Bidder has obtained enough DBE participation to meet or exceed the assigned DBE COA contract goal. That being the case no additional GFE documentation is required. Or;

2. By documentation that it made adequate GFE to meet the goal

The Bidder may demonstrate a GFE in whole or part through GFE documentation ONLY IN THE EVENT a Bidder's efforts to solicit sufficient DBE participation have been unsuccessful. In this case, the Bidder must supply GFE documentation in addition to the Disadvantaged Business Enterprise Utilization Certification, and supporting Disadvantaged Business Enterprise (DBE) Written Confirmation document(s).

Note: In the case where the Bidder was awarded the contract based on demonstrating adequate GFE the advertised DBE goal will not be reduced to the Bidder's partial commitment. The Bidder shall demonstrate a GFE during the life of the Contract to attain the DBE Condition of Award (COA) Goal as assigned to the project.

Good Faith Efforts (GFE) Documentation

GFE documentation shall be received, as specified in the special provisions for Section 1-02.9 Delivery of Proposal.

Based upon all the relevant documentation submitted in Bid or as supplement to Bid, the Contracting Agency shall determine whether the Bidder has demonstrated a sufficient GFE to achieve DBE participation. The Contracting Agency will make a fair and reasonable judgment of whether a Bidder that did not meet the goal through participation, made adequate good faith efforts as demonstrated by the GFE documentation.

The following is a list of types of actions, which would be considered as part of the Bidder's GFE to achieve DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases:

1. Attendance by the Bidder at any pre-solicitation or pre-Bid meetings that were scheduled by the Contracting Agency to inform DBEs of contracting and subcontracting or material supply opportunities available on the project;
2. Contacting local Tribes, Tribal Employment Rights Offices (TERO) concerning the subcontracting or supply opportunities in sufficient time to allow the enterprises to participate effectively;
3. Selection by the Bidder of specific economically feasible units of the project to be performed by DBEs in order to increase the likelihood of participation by DBEs even if the Bidder preferred to perform these Work items as the Prime Contractor;
4. Advertising by the Bidder in general circulation, trade association minority and trade oriented, women focus publications, concerning the subcontracting or supply opportunities;
5. Providing written notice from the Bidder to a reasonable number of specific DBEs, identified from the OMWBE Directory of Certified DBE Firms for the selected subcontracting or material supply Work, in sufficient time to allow the enterprises to participate effectively;
6. Follow-up by the Bidder of initial solicitations of interest by contacting the DBEs to determine with certainty whether they were interested. Documentation of this kind of action shall include the information outlined below:
 - a. The names, addresses, telephone numbers of DBEs who were contacted, the dates of initial contact, and whether initial solicitations of interest were followed-up by contacting the DBEs to determine with certainty whether the DBEs were interested;
 - b. A description of the information provided to the DBEs regarding the plans, specifications, and estimated quantities for portions of the Work to be performed;
 - c. Documentation of each DBE contacted but rejected and the reason(s) for that rejection;
7. Providing, to interested DBEs, adequate information about the plans, specifications, and requirements for the selected subcontracting or material supply Work;
8. Negotiating in good faith with the DBE firms, and not, without justifiable reason, rejecting as unsatisfactory, Bids that are prepared by any DBE. The DBE's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations - union vs. non-

union employee status - are not legitimate causes for the rejection or non-solicitation of bids in the Prime Contractor's efforts to meet the project goal;

9. Advertising and making efforts to obtain DBE participation that were reasonably expected to produce a level of participation sufficient to meet the goal or requirements of the Contracting Agency;

10. Making any other efforts to obtain DBE participation that were reasonably expected to produce a level of participation sufficient to meet the goal or requirements of the Contracting Agency;

11. Using the services of minority community organizations, minority contractor groups, local, State, and federal minority business assistance offices and other organizations identified by WSDOT and advocates for disadvantaged, minority, and women businesses that provide assistance in the recruitment and placement of disadvantaged, minority, and women business enterprises; and

12. Using the WSDOT OEO DBE Supportive Services to assist you. For more information please contact the OEO by calling toll free at (888) 259-9143 or emailing dbess@wsdot.wa.gov.

Administrative Reconsideration of GFE Documentation

Any Bidder has the right to reconsideration but only for the purpose of reassessing their GFE documentation that was determined to be inadequate.

- The Bidder must request and schedule a reconsideration hearing within seven calendar days of notification of being nonresponsive or forfeit the right to reconsideration.
- The reconsideration decision on the adequacy of the Bidder's GFE documentation shall be made by an official who did not take part in the original determination.
- The Bidder shall have the opportunity to meet in person with the official for the purpose of setting forth the Bidder's position as to why the GFE documentation demonstrates a sufficient effort.
- The reconsideration official shall provide the Bidder with a written decision on reconsideration within five business days of the hearing explaining the basis for their finding.

Procedures between Award and Execution

After Award and prior to Execution the Bidder shall provide the additional information described below. Failure to comply shall result in the forfeiture of the Bidder's Proposal bond or deposit.

1. Additional information for all successful DBE's as shown on the Disadvantaged Business Enterprise Utilization Certification:

a. Correct business name, federal employee identification number (if available), and mailing address.

b. List of all Bid items assigned to each successful DBE firm, including unit prices and extensions.

c. Description of partial items (if any) to be sublet to each successful DBE firm specifying the distinct elements of Work under each item to be performed by the DBE and including the dollar value of the DBE portion.

Total amounts shown for each DBE shall not be less than the amount shown on the Disadvantaged Business Enterprise Utilization Certification. A breakdown that does not conform to the Disadvantaged Business Enterprise Utilization Certification or that demonstrates a lesser amount of DBE participation than that included in the Disadvantaged Business Enterprise Utilization Certification will be returned for correction.

2. A list of all firms who submitted a Bid or quote in an attempt to participate in this project whether they were successful or not. Include the business name and a mailing address.

Note: The firms identified by the Prime Contractor may be contacted by the Contracting Agency to solicit general information as follows: age of the firm and average of its gross annual receipts over the past three-years.

Procedures after Execution

Crediting DBE Participation toward Meeting the Goal

Reporting

All DBE work whether COA or race neutral participation is reported. The Prime Contractor shall submit a Quarterly Report of Amounts Credited as DBE Participation form (422-102 EF) on a quarterly basis for any calendar quarter in which DBE has accomplished Work or upon completion of the project, as appropriate. The dollars are to be reported as specified herein.

In the event that the payments to a DBE have been made by an entity other than the Prime Contractor, as in the case of a lower-tier Subcontractor or supplier, then the Prime Contractor shall obtain the quarterly report, including the signed affidavit, from the paying entity and submit the report to the Contracting Agency.

Changes in DBE COA participation

Owner initiated Change Orders

The Prime Contractor shall demonstrate a GFE to substitute COA DBE participation when the Contracting Agency deletes Work items by change order that impact a COA DBE's Work.

When the Contract allows alternate Work methods which serve to delete or create under-runs in COA DBE Work then the Prime Contractor must provide documentation of negotiating the change with the DBE that was to perform the reduced Work and demonstrate a GFE to substitute other DBE COA participation.

Original Quantity Under runs

In the event that Work committed to a DBE firm as part of the COA under runs the original planned quantities the Prime Contractor shall demonstrate a GFE to substitute other DBE COA participation.

Contractor-Initiated Proposals—General

The Contractor cannot reduce the amount of work committed to a DBE firm at contract award without good cause and only with written concurrence from the OEO. Reducing a COA DBE's Work is viewed as a partial DBE termination, subject to the procedures below.

DBE Termination

A COA DBE Subcontractor may only be terminated in whole or part with the approval of the Contracting Agency (in coordination with OEO). Approval will be granted provided the Prime Contractor demonstrates that the termination is based on good cause.

Good cause typically includes situations where the DBE Subcontractor is unable or has failed to perform the work of its subcontract in accordance with normal industry standards. While not all inclusive, some examples of good cause include the following circumstances:

Good cause may exist if:

- The listed DBE Subcontractor fails or refuses to execute a written contract.

- The listed DBE Subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards.
- The listed DBE Subcontractor fails or refuses to meet the Prime Contractor's reasonable, nondiscriminatory bond requirements.
- The listed DBE Subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The listed DBE Subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.
- The listed DBE Subcontractor voluntarily withdraws from the project and provides to you written notice of its withdrawal.
- The listed DBE is ineligible to receive DBE credit for the type of work required.
- A DBE owner dies or becomes disabled with the result that the listed DBE is unable to complete its work on the contract.

Good cause does not exist if:

- The Prime Contractor seeks to terminate a COA DBE so that the Prime can self-perform the Work.
- The Prime Contractor seeks to terminate a COA DBE so the Prime Contractor can substitute another DBE or non-DBE after contract award.
- The failure or refusal of the DBE Subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the Prime Contractor (e.g., the failure of the Prime Contractor to make timely payments or the unnecessary placing of obstacles in the path of the DBE's Work).

Prior to requesting termination, the Prime Contractor must give notice in writing to the DBE Subcontractor with a copy to the Contracting Agency of its intent to request to terminate DBE work and the reasons for doing so. The DBE Subcontractor shall have five (5) days to respond to the prime Contractor's notice. The DBE's response shall either support the termination or advise the Contracting Agency and the Prime Contractor of the reasons it objects to the termination of its subcontract.

When a COA DBE firm is “terminated” from a Contract (or fails to complete its Subcontract for any reason), the Prime Contractor shall make every good faith effort to substitute another DBE Firm (ref.to 49 CFR 26.53(g)).

Graduation

When a DBE firm “graduates” from the DBE program (during the course of an executed subcontract), the DBE participation of that firm “may” continue to count towards the contract DBE goal.

Decertification

When a COA DBE firm who has a signed subcontract in place with a Prime, later becomes “decertified” (during the course of that subcontract) – the DBE participation of that firm “may” continue to count towards the Contract DBE goal.

Counting payments

Payments to a DBE firm will count toward DBE goals only if the participation is in accordance with these specifications.

Prompt Payment

Prompt payment to all Subcontractors shall be in accordance with Section 1-08.1(1) of these Contract special provisions.

Payment

Compensation for all costs involved with complying with the conditions of this specification and any other associated DBE requirements is included in payment for the associated Contract items of Work.

Damages for Noncompliance

The Prime Contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. The Prime Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of Contracts, which contain funding assistance from the United States Department of Transportation. Failure by the Prime Contractor to carry out these requirements is a material breach of this Contract, which may result in the Termination of this Contract or such other remedy as the Contracting Agency deems appropriate.

If the Prime Contractor does not comply with any part of its Contract as required under 49 CFR part 26, and/or any other applicable law or regulation regarding DBE, the Contracting Agency may withhold payment, suspend the ability of the Prime Contractor to participate in future Contracting Agency contracts, impose sanctions or Terminate the Contract, and subject the Prime Contractor to civil penalties of up to ten percent of the amount of the Contract for each violation. In the case of WSDOT Contracts, prequalification may be suspended pursuant to WAC 468-16-180, and continuous violations (exceeding a single violation) may also disqualify the Prime Contractor from further participation in WSDOT Contracts for a period of up to three years.

An apparent low Bidder must be in compliance with these Contract Provisions as a condition precedent to the granting of a notice of award by the Contracting Agency. The Prime Contractor is entitled to request an adjudicative proceeding with respect to the Contracting Agency's determination of Contract violation and assessed penalties by filing a written application within thirty days of receipt of notification. The adjudicative proceeding, if requested, will be conducted by an administrative law judge pursuant to the procedures set forth in RCW 34.05 and Chapter 10.08 of the Washington Administrative Code.

1-07.12 Federal Agency Inspection

(July 30, 2012 WSDOT GSP)

Section 1-07.12 is supplemented with the following:

Required Federal Aid Provisions

The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273) Revised May 1, 2012 supersede any conflicting provisions of the Standard Specifications and are made a part of this Contract; provided, however, that if any of the provisions of FHWA 1273 are less restrictive than Washington State Law, then the Washington State Law shall prevail.

The provisions of FHWA 1273 included in this Contract require that the Contractor insert the FHWA 1273 in each Subcontract, together with the wage rates which are part of the FHWA 1273. Also, a clause shall be included in each Subcontract requiring the Subcontractors to insert the FHWA 1273 thereto in any lower tier Subcontracts, together with the wage rates. The Contractor shall also ensure that this section, **REQUIRED FEDERAL AID PROVISIONS**, is inserted in each Subcontract for Subcontractors and lower tier Subcontractors. For this purpose, upon request to the Project Engineer, the Contractor will be provided with extra copies of the FHWA 1273, the applicable wage rates, and this Special Provision.

1-07.15 Temporary Water Pollution/Erosion Control

1-07.15(1) Spill Prevention, Control and Countermeasures Plan

(***)**

Section 1-07.15(1) is supplemented with the following:

The Contractor shall address the following items in the SPCC Plan in addition to the requirements of Section 1-07.15(1):

Mixing, Transfers, and Storage

1. All oil, fuel or chemical storage tanks or containers shall be diked and located on impervious surfaces so as to prevent spill from escaping.
2. All liquid products shall be stored and mixed on impervious surfaces in a secure water tight environment and provide containment to handle the maximum volume of liquid products on site at any given time.

3. Proper security shall be maintained to prevent vandalism.
4. Drip pans or other protective devices shall be required for all transfer operations.

Spills

Paint and solvent spills shall be treated as oil spills and shall be prevented from reaching storm drains or other discharges. No cleaning solvents or chemicals used for tool or equipment cleaning may be discharged to the ground or water.

Maintenance of Equipment

Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc, shall be checked regularly for drips or leaks and shall be maintained and stored properly to prevent spills into State waters.

Disposal

Spilled waste, chemicals or petroleum products shall be transported off site for disposal at a facility approved by the Department of Ecology. The materials shall not be discharged to any sanitary sewer without approval of the local sewer authority.

Reporting and Cleanup

The Contractor's designated person for managing and implementing the SPCC Plan shall report hazardous material spills as follows:

Spills into State water (including ponds, ditches, seasonally dry streams, and wetlands) – Immediately call all of the following:

National Response Center 1-800-424-8802
WA State Division of Emergency Management (24 hours) 1-800-258-5990
Ecology Northwest Regional Office 1-425-649-7000

Spill to Soil (including encounters of pre-existing contamination):

Ecology Northwest Regional Office 1-425-649-7000
Report immediately if threatening to health or environment (e.g., explosive, flammable, toxic vapors, shallow groundwater, nearby creek), otherwise within 90 days.

Underground Storage Tank (confirmed release of material):

Ecology Northwest Regional Office 1-425-649-7000
Report within 24 hours

1-07.16 Protection and Restoration of Property

1-07.16(1) Private/Public Property

(*****)

Section 1-07.16(1) is supplemented with the following:

Survey Monuments

All existing property corner markers shall be protected from movement by the Contractor. All existing markers that must be removed for construction purposes are to be referenced by survey ties and then replaced by a Professional Land Surveyor registered in the State of Washington. All existing property corner markers disturbed or removed by the Contractor's operations which, in the opinion of the Engineer, were not required to be removed for construction purposes shall be replaced at the Contractor's own expense by a Professional Land Surveyor registered in the State of Washington.

Property Restoration

Property restoration shall consist of restoring existing landscape areas, including irrigation systems, to their original condition, as directed by the Engineer.

1-07.16(5) Payment

Section 1-07.16 (5) is replaced with the following:

To provide a common basis for all bidders, the Contracting Agency has entered an amount for the item "Protection and Restoration of Property" in the Proposal, which becomes a part of the total bid by the Contractor. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

1-07.17 Utilities and Similar Facilities

(April 2, 2007 WSDOT GSP)

Section 1-07.17 is supplemented with the following:

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

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for on the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement, or construction within the project limits will be completed as follows:

- Frontier (Verizon)
- Puget Sound Energy-Gas
- Snohomish County PUD No. 1
- Comcast
- PSE

1-07.18 Public Liability and Property Damage Insurance

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

1-07.18 Insurance

(January 24, 2011 APWA GSP)

1-07.18(1) General Requirements

- A. The Contractor shall obtain the insurance described in this section from insurers approved by the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating Guide, which is licensed to do business in the state of Washington (or issued as a surplus line by a Washington Surplus lines broker). The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer (including financial condition), terms and coverage, the Certificate of Insurance, and/or endorsements.
- B. The Contractor shall keep this insurance in force during the term of the contract and for 30 days after the Physical Completion date, unless otherwise indicated (see C below).
- C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Final Completion or earlier termination of this contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The insurance policies shall contain a "cross liability" provision.
- E. The Contractor's and all Subcontractors' insurance coverage shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or insurance pool coverage.
- F. The Contractor shall provide the Contracting Agency and all Additional Insureds with written notice of any policy cancellation, within 2 business days of their receipt of such notice.
- G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(ies).
- H. The Contractor shall not begin work under the contract until the required insurance has been obtained and approved by the Contracting Agency.
- I. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving 5 business days notice to the Contractor to correct the breach,

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

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

1-07.18(2) Additional Insured

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

The Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, whether primary, excess, contingent or otherwise, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(3) describes limits lower than those maintained by the Contractor.

1-07.18(3) Subcontractors

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

1-07.18(4) Evidence of Insurance

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. The certificate and endorsements must conform to the following requirements:

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

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve the Contractor from liability in excess of such limits. All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

A policy of Commercial General Liability Insurance, including:

Per Project Aggregate
Premises/Operations Liability

Products/Completed Operations (for a period of 1 year following final acceptance of the Work)

Personal/Advertising Injury

Contractual Liability

Independent Contractors' Liability

Stop Gap / Employers' Liability

Explosion, Collapse, or Underground Property Damage (XCU)

Blasting (only required when the Contractor's work under this Contract includes exposures to which this specified coverage responds)

Such policy must provide the following minimum limits:

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

Stop Gap / Employers' Liability

- \$1,000,000 Each Accident
- \$1,000,000 Disease - Policy Limit
- \$1,000,000 Disease - Each Employee

1-07.18(5)B Automobile Liability

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

- \$1,000,000 Combined Single Limit

1-07.18(5)C Workers' Compensation

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

1-07.23 Public Convenience and Safety

1-07.23(1) Construction under Traffic

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

(January 2, 2012 WSDOT GSP)

Work Zone Clear Zone

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations

and does not apply to preexisting conditions or permanent Work. Those work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

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

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

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

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

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

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

* or 2 feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

(August 7, 2006 WSDOT GSP)

Lane closures are subject to the following restrictions:

1. Two way traffic must be maintained on Maple Avenue at all times.
2. Lane closures will be allowed between 8:30 am and 4:00 pm Monday through Friday except as described below.

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

No lane closures will be allowed on a holiday or holiday weekend, or after 12:00 p.m. (noon) on a day prior to a holiday or holiday weekend. Holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend.

1-07.24 Rights of Way

(October 1, 2005 APWA GSP)

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

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

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

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

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

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

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all

necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference

(October 10, 2008 APWA GSP)

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

The purpose of the preconstruction conference will be:

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

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

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

Add the following new section:

1-08.0(2) Hours of Work

(December 8, 2014 APWA GSP)

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

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

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 48 hours prior to the day(s) the Contractor is requesting to change the hours.

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

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

1-08.1 Subcontracting

(October 12, 1998)

Section 1-08.1 is supplemented with the following:

Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor has been executed. This certification shall also guarantee that these subcontract agreements include all the documents required by the Special Provision Federal Agency Inspection.

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

1. Request to Sublet Work (Form 421-012), and
2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (Form 420-004).

The Contractor's records pertaining to the requirements of this Special Provision shall be open to inspection or audit by representatives of the Contracting Agency during the life of the contract and for a period of not less than three years after the date of acceptance of the contract. The Contractor shall retain these records for that period. The Contractor shall also guarantee that these records of all Subcontractors and lower tier Subcontractors shall be available and open to similar inspection or audit for the same time period.

Revise this section to read:

1-08.1(1) Subcontract Completion and Return of Retainage Withheld

(August 4, 2014 WSDOT GSP)

Section 1-08.1 (1) is revised to read:

The following procedures shall apply to all subcontracts entered into as a part of this Contract:

Requirements

1. The Prime Contractor or Subcontractor shall make payment to the Subcontractor not later than 10 days after receipt of payment from the Contracting Agency for work satisfactorily completed by the Subcontractor, to the extent of each Subcontractor's interest therein.
2. Prompt and full payment of retainage from the Prime Contractor to the Subcontractor shall be made within 30 days after Subcontractor's Work is satisfactorily completed.
3. For purposes of this Section, a Subcontractor's work is satisfactorily completed when all task and requirements of the Subcontract have been accomplished and including any required documentation and material testing.
4. Failure by a Prime Contractor or Subcontractor to comply with these requirements may result in one or more of the following:
 - a. Withholding of payments until the Prime Contractor or Subcontractor complies
 - b. Failure to comply shall be reflected in the Prime Contractor's Performance Evaluation
 - c. Cancellation, Termination, or Suspension of the Contract, in whole or in part
 - d. Other sanctions as provided by the Subcontractor or by law under applicable prompt pay statutes.

Conditions

This clause does not create a contractual relationship between the Contracting Agency and any Subcontractor as stated in Section 1-08.1. Also, it is not intended to bestow upon any Subcontractor, the status of a third-party beneficiary to the Contract between the Contracting Agency and the Contractor.

Payment

The Contractor will be solely responsible for any additional costs involved in paying retainage to the Subcontractors. Those costs shall be incidental to the respective bid items.

1-08.4 Prosecution of Work

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

1-08.4 Notice to Proceed and Prosecution of Work

(June 27, 2011 APWA GSP)

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

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

1-08.5 Time for Completion

(March 13, 1995 WSDOT GSP)

This project shall be physically completed within **20 working days**.

(March 8, 2013 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

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

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and any partial or whole day the Engineer declares as

unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

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

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
 - a. Certified Payrolls (per Section 1-07.9(5)).
 - b. Material Acceptance Certification Documents
 - c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
 - d. Final Contract Voucher Certification
 - e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors.
 - f. Property owner releases per Section 1-07.24

1-09 MEASUREMENT AND PAYMENT

1-09.2(1) General Requirements for Weighing Equipment *(December 8, 2014 APWA GSP, Option 2)*

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily

Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

1-09.6 Force Account

(October 10, 2008 APWA GSP)

Supplement this section with the following:

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

1-09.6(1) Unanticipated Work New Section

(***)**

Measurement for "Force Account for Unanticipated Work" will be per force account.

"Force Account for Unanticipated Work", by force account, shall pay, as provided in Section 1-09.6, for labor, equipment, and materials for work not included in or incidental to other bid items and deemed necessary by Engineer.

"Unanticipated Work" shall be defined as one of the following:

- Conflict with existing underground or above ground utilities.
- Repair and/or replacement of public and private facilities.
- Additional traffic markings.
- Additional sawcutting.

All "Force Account for Unanticipated Work" shall be within the scope of the contract work originally bid and shall be necessary for completion of said contract work.

1-09.9 Payments

(March 13, 2012 APWA GSP)

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

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

The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction Conference, to enable the Project Engineer to determine the Work performed on a monthly basis. A breakdown is not required for lump sum items that

include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make a determination based on information available. The Project Engineer's determination of the cost of work shall be final.

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

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

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

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

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

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

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

1-09.9(1) Retainage

(June 27, 2011 WSDOT GSP)

Section 1-09.9(1) content and title is deleted and replaced with the following:

Vacant

1-09.13 Claims Resolution

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

(October 1, 2005 APWA GSP)

Delete this Section and replace it with the following:

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

1-10 TEMPORARY TRAFFIC CONTROL

1-10.2 Traffic Control Management

1-10.2(1) General

(December 1, 2008 WSDOT GSP)

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

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

The Northwest Laborers-Employers Training Trust
27055 Ohio Ave.
Kingston, WA 98346
(360) 297-3035

Evergreen Safety Council
401 Pontius Ave. N.
Seattle, WA 98109
1-800-521-0778 or (206) 382-4090

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

1-10.3(2)C Lane Closure Setup/Takedown

*(*****)*

Section 1-10.3(2)C is supplemented with the following:

Single lane closures are permitted only during working hours and all travel lanes must be opened at the end of the workday. Emergency and local access must be maintained at all times.

1-10.4 Measurement

1-10.4(1) Lump Sum Bid for Project (No Unit Items)
(August 2, 2004)

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

**DIVISION 2
EARTHWORK**

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

2-02.1 Description

Supplement this section with the following:

The work shall consist of the removal and disposal of various existing improvements, such as structures, foundations, and other items necessary for the accomplishment of the improvement as shown on the Plans and directed by the Engineer.

2-02.3 Construction Requirements

Section is deleted and replaced with:

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

2-02.3(3)A Description

The work shall consist of the removal and disposal of various existing improvements, such as pavements, structures, pipe, curb and gutter, gutter, and other items necessary for the accomplishment of the improvement.

If pavement, curb, gutter and/or sidewalk lies within an excavation area, its removal and disposal shall be included in the unit bid item price for items under Sections 8-04.5 and 8-14.5.

Prior to removal, the Contractor shall make a vertical cut the full depth of the pavement to delineate the areas of pavement removal from those areas of pavement to remain. Pavement removal shall not extend more than three feet from the edge of the existing gutter.

Damage caused to portions of the pavement or concrete curb, gutter and sidewalk to remain, due to the Contractor's operation, shall be repaired by the Contractor at the Contractor's expense and to the satisfaction of the Engineer.

Add the following new section:

2-02.3(4) Sawcutting Existing Pavement and Sidewalk

The Contractor shall make a vertical sawcut to full depth of existing asphalt pavement where shown on the Plans or as directed by the Engineer.

The Contractor's surveyor shall stake out the new sidewalk ramps prior to sawcutting existing sidewalk. When the ramp is staked out, the Contractor shall call out the Engineer

to verify the layout and determine the limits of the sawcut for any additional curb, gutter or sidewalk removal. Where necessary to remove existing sidewalk, full panels shall be removed unless otherwise directed by the Engineer.

Care shall be taken to prevent damage to the existing pavement specified to remain. All damage to existing pavement specified to remain shall be repaired in accordance with Section 1-07.13.

The Contractor shall perform all sawcutting work, including all containment, collection and disposal of sawcutting debris and wastewater, in accordance with Section 1-07.5(3) as supplemented in these Special Provisions.

Sawcutting existing pavement, curb and sidewalk shall be included in the unit bid item price for items under Section 8-04.5 and 8-14.5.

2-03 ROADWAY EXCAVATION AND EMBANKMENT

2-03.1 Description

Supplement this section with the following:

“Roadway Excavation” and Borrow Excavation” as defined in the Standard Specifications, performed under this contract shall be considered as “Roadway Excavation Including Haul”.

2-03.3 Construction Requirements

Supplement with the following:

The Contractor shall perform all excavation encountered within the limits of the project, to the lines, grades, and elevations indicated and as specified herein.

Roadway excavation shall include all materials removed (including asphalt pavement, curbs, gutters, sidewalks, etc.) for roadways, shoulders, and sidewalks.

All costs associated with excavations, hauling and disposal of the excavated material shall be included in the bid item price for items under Sections 8-04.5. and 8-14.5.

2-03.3(7)B Haul

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

There will be no pay for haul for the project, this work is considered incidental to other bid items.

2-03.3(7)C Contractor Provided Disposal Site

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

Accept for the asphalt grinding material, no waste disposal site has been provided by the City. For material other than the asphalt grindings, the Contractor shall make all

arrangements, at Contractor expense, for the disposal of waste materials and shall protect the City from any and all damages arising there from.

The disposal site to be designated for the asphalt grinding material is as follows: The City Pit located along the west side of 123rd Avenue SE, just north of Three Lakes Road in Snohomish, WA. The tax parcel number is 28060500301100. The grinding material shall be considered property of the City of Snohomish, all costs associated with grinding, and hauling material should be considered incidental to the contract unit price of Planing Bituminous Pavement.

2-04 HAUL

2-04.1 Description

Supplement this section with the following:

This work shall consist of transporting excavated material from its original site to its final resting place on the project or at a waste site.

2-04.4 Measurement

Supplement this section with the following:

All costs for the work described in Section 2-04 will be considered to be included in the unit bid item price for items under Sections 8-04.5 and 8-14.5.

2-06 SUBGRADE PREPARATION

Supplement this section with the following:

Subgrade preparation shall include preparing pavements, curb and gutters, sidewalks, or any other permanent hard surface improvement for base material or final surfacing.

In accordance with Section 2-06.3(1) Subgrade for Surfacing of the Standard Specifications, the subgrade shall be compacted to 95% of the maximum dry density measured in accordance with Section 2-03.3(14)D Compaction and Moisture Control Tests of the Standard Specifications.

All costs associated with compaction of the subgrade shall be considered incidental to and included in the unit contract prices of other items in the contract.

**DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS**

5-04 HOT MIX ASPHALT

5-04.1 Description

This work shall consist of providing and placing plant mixed asphalt pavement in accordance with these Special Provisions and the Plans. Paving will consist of placing hot mix asphalt with a compacted thickness of 2-inches the full width of the roadway section and on all side road approaches within the project limits.

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

5-04.3 Construction Requirements

5-04.3(3)A Material Transfer Device / Vehicle
(January 16, 2014 APWA GSP)

The first paragraph of this section is revised to read:

Additionally, a material transfer device or vehicle (MTD/V) is not required at the following locations: Maple Avenue.

5-04.3(7)A2 Statistical or Nonstatistical Evaluation

Delete this section and replace it with the following:

5-04.3(7)A2 Nonstatistical Evaluation
(January 16, 2014 APWA GSP)

Mix designs for HMA accepted by Nonstatistical evaluation shall;

- Be submitted to the Project Engineer on WSDOT Form 350-042
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.

At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date
- The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.

The mix design will be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year verification period with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

5-04.3(8)A1 General

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

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

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

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Project Engineer and must be made in accordance with Section 9-03.8(7).

Commercial evaluation may be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a contractor certificate of compliance letter stating the material meets the HMA requirements defined in the contract.

5-04.3(8)A2 Aggregate

(March 10, 2010 APWA GSP)

Delete these sections and replace them with the following:

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

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

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a Contractor certification letter stating the material meets the HMA requirements defined in the Contract.

5-04.3(8)A4 Definition of Sampling Lot and Sublot
(January 16, 2014 APWA GSP)

Section 5-04.3(8)A4 is supplemented with the following:

For HMA in a structural application, sampling and testing for total project quantities less than 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed:

- i. If test results are found to be within specification requirements, additional testing will be at the engineers discretion.
- ii. If test results are found not to be within specification requirements, additional testing as needed to determine a CPF shall be performed.

5-04.3(8)A5 Test Results
(January 16, 2014 APWA GSP)

The first paragraph of this section is deleted.

5-04.3(8)A6 Test Methods
(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

5-04.3(17) Paving Under Traffic

Revise this section to read:

The Contractor shall provide temporary pavement markings as required following planning and paving. The cost to provide, install and remove temporary pavements markings shall be considered incidental.

5-04.4 Measurement

Supplement this section with the following:

HMA for roadway section and approaches will be measured as HMA Cl. 1/2 PG 64-22.

5-04.5 Payment

Supplement this section with the following:

All costs for "asphalt tack coat" and "anti stripping additive", shall be included in the unit contract price per ton of HMA Cl. 1/2" PG 64-22.

5-04.5(1)A7 Test Section – HMA Mixtures

(March 10, 2010 APWA GSP)

Delete this section.

5-04.5(1)A Price Adjustments for Quality of HMA Mixture

(March 10, 2010 APWA GSP)

Delete the first paragraph and table and replaced them with the following:

Statistical analysis of quality of gradation and asphalt content will be performed based on Section 1-06.2 using the following price adjustment factors:

Table of Price Adjustment Factors

Constituent	Factor "f"
All aggregate passing: 1 1/25", 1", 3/4", 1/2", 3/8" and No. 4 sieves	2
All aggregate passing No. 8	15
All aggregate passing No. 200 sieve	20
Asphalt binder	52

Delete Items 1-3 in the second paragraph and replace with the following:

A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class of HMA and for the asphalt binder.

- 1. Nonstatistical Evaluation.** Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit contract price with no further evaluation.

When one or more constituents fall outside the nonstatistical acceptance tolerance limits in Section 9-03.8(7), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

2. **Commercial Evaluation.** If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit contract price with no further evaluation. When one or more constituents fall outside the commercial acceptance tolerance limits in Section 9-03.8(7), the lot shall be evaluated to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

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

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

5-04.5(1)B Price Adjustments for Quality of HMA Compaction
(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00.

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

Add the following section:

5-06 TEMPORARY PAVEMENT

Add the following section:

5-06.1 Description

Pavement or concrete sidewalk areas that have been removed by construction activities must be restored by the Contractor at the end of each working period prior to use by vehicular or pedestrian traffic. The Contractor may use temporary pavement (cold mix asphalt) to allow vehicular or pedestrian traffic to travel over the construction areas.

Cold mix asphalt shall also be placed around plates or other devices used to cover construction activities in a manner that provides a smooth transition between the surfaces. All cold mix asphalt used shall be incidental to other bid items in this contract.

Add the following section:

5-06.2 Materials

Materials shall meet the requirements of Section 9-03.8.

The composition of other components of the temporary asphalt pavement shall be determined by the Contractor to provide a product suitable for the intended application. The Contractor shall not use materials that are safety or a health hazard.

Temporary pavement material that does not form a consolidated surface after compaction shall be considered unsuitable and be removed from the site. Unsuitable temporary pavement shall be disposed of off-site.

Add the following section:

5-06.3 Construction Requirements

The subsurface shall be prepared for the temporary pavement as defined in Section 2-06. Areas greater than ten square feet shall be roller compacted to consolidate the temporary pavement. The completed pavement shall be free from ridges, ruts, bumps, depressions, objectionable marks, or other irregularities.

The Contractor shall immediately repair, patch or remove any temporary pavement that does not provide a flat transition between existing paved areas.

**DIVISION 7
DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER
MAINS AND CONDUITS**

7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS

7-05.4 Measurement

This section is revised as follows:

Adjustment of Manholes, Catch Basins, and Inlets will be measured per each. In addition, measurement of manholes will include removal and replacement of the casting as well as final adjustment of the new manhole casting to the new asphalt grade.

7-05.5 Payment

Supplement this section with the following:

“Adjust Manhole”, per each
“Adjust Catch Basin”, per each

Includes all costs associated with removal, replacement and adjustment of the new manhole casting.

7-12 VALVES FOR WATER MAINS

7-12.4 Measurement

This section is revised as follows:

Adjustment of water valves will be measured per each.

7-12.5 Payment

Supplement this section with the following:

“Adjust Water Valve”, per each

**DIVISION 8
MISCELLANEOUS CONSTRUCTION**

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.3 Construction Requirements

8-01.3(1) General

Supplement this section with the following:

At a minimum, the contractor shall install inlet protection in downstream catch basins of any open excavation and keep the street clean of debris. Additional measures may be required by the Engineer at the time of construction. All costs for erosion control and water pollution control shall be considered incidental and included in the unit bid item prices.

8-04 CURB, GUTTERS, AND SPILLWAYS

8-04.1 Description

Revise this section to read:

This work consists of the removal and disposal of existing cement concrete curb, curb and gutter, removal and disposal of asphalt pavement, excavation to subgrade, and the construction of cement concrete curb and gutter, of the kind and design specified, at the locations shown on the Plans or where designated by the Engineer in accordance with these Specifications and in conformity to the lines and grades as staked.

8-04.2 Materials

This section is supplemented as follows:

Concrete for curb and gutter shall contain an integral coloring agent to achieve a color equal to existing adjacent sidewalks and curb.

8-04.3 Construction Requirements

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

Revise this section to read:

Cement Concrete curb and gutter shall be constructed with air entrained concrete Class 3000 conforming to the requirement of Section 6-02 except at driveway entrances.

Gutter elevations shall match existing. The surveyor shall verify existing field conditions and make adjustments to the locations of curb returns as shown on the Plans and as required by the Engineer.

Add the following new section:

8-04.3(1)A Excavation, Subgrade and Foundation

Excavation shall be made to the required depth and to a width that will permit the installation and bracing of forms. The foundation shall be shaped and compacted to a firm even surface conforming to the section shown on the Plans. All soft and yielding material shall be removed and replaced with acceptable material.

The Contractor shall sawcut, remove and dispose of existing pavement, curb and gutter and prepare the subgrade in accordance with Division 2 of these Special Provisions.

The Contractor shall furnish and place a minimum of 4-inches, compacted thickness, of crushed surfacing top course as a foundation for curb and curb and gutter.

Add the following new section:

8-04.3(1)B Forms

Side forms shall rest throughout their length on firm ground. Side forms for straight sections shall be full depth of the curb. They shall be either metal of suitable gage for the Work or surfaced "construction" grade lumber not less than 2-inches (commercial) in thickness. Forms used more than one time shall be thoroughly cleaned and any forms that have become worn, splintered, or warped shall not be used again.

The foundation shall be watered, by the Contractor, thoroughly before the concrete is placed, and the concrete shall be well tamped and spaded or vibrated in the forms.

Add the following new section:

8-04.3(1)C Placing and Finishing Concrete

The exposed surfaces shall be finished full width with a trowel and edger. Within 24-hours after the concrete is placed, the forms of the roadway face of curbs shall be removed, and the concrete treated with a float finish. The top and face of the curb shall receive a light brush finish, and the top of the gutter shall receive a broom finish.

Expansion joints in the curb and gutter shall be spaced at 15-foot intervals, the beginning and ends of curb returns, drainage structures, bridges, and cold joints with the existing curbs and gutters. The expansion joint shall be filled to full cross-section with 3/8-inch premolded joint filler.

At the option of the Contractor, the curb and gutter may be constructed using approved slip form equipment. The curb and gutter shall be constructed to the same requirements as the cast-in-place curb and gutter.

A water-reducing admixture conforming to the requirements of Section 9-26 may be used provided the finished curb and gutter shall retain its line and shape.

The top of the finished concrete shall not deviate more than 1/8 inch in 10 feet, nor the alignment 1/4 inch in 10 feet.

Add the following new section:

8-04.3(1)D Curing

The curing materials and procedures specified in Section 5-05.3(13) of the WSDOT/APWA Standard Specifications shall prevail, except that white pigment curing compounds shall not be used on sidewalks. Concrete curb and gutter shall be cured for at least 72-hours.

The Contractor shall have readily available sufficient protective covering, such as waterproof paper or plastic membrane, to cover the pour of an entire day in an event of rain or other unsuitable weather. The curb and gutter shall be protected against damage or defacement of any kind until it has been accepted by the Engineer. Curb and gutter, which is not acceptable to the Engineer because of damage or defacement shall be removed and replaced by the Contractor.

During the curing period, all traffic, both pedestrian and vehicular, shall be excluded. Vehicular traffic shall be excluded for such additional time as the Engineer may specify.

In periods of low humidity, drying winds, or high temperatures, a fog spray shall be applied to the concrete as soon after placement as conditions warrant in order to prevent the formation of shrinkage cracks. The spray shall be continued until conditions permit the application of a liquid curing membrane or other curing media. The Engineer shall make the decision when the use of a fog spray is necessary.

When the air temperature is expected to reach the freezing point during the day or night, the concrete shall be protected from freezing. The Contractor shall provide a sufficient supply of straw, hay, grass, earth, blankets, or other suitable blanketing material and spread it over the pavement to a sufficient depth to prevent freezing of the concrete. The Contractor shall be responsible for the quality and strength of the concrete thus cured. Any concrete injured by frost action or freezing shall be removed and replaced at the Contractor's expense in accordance with these Specifications.

8-04.4 Measurement

Revise this section to read:

All curb and gutter and pedestrian curb will be measured by the linear foot along the line and slope of the completed curb and gutter, including bends. Measurement of cement concrete curb and gutter, when constructed across driveways or sidewalk ramps, will include the width of the driveway or sidewalk ramp.

8-04.5 Payment

Revise this section to read:

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

“Cement Conc. Traffic Curb and Gutter”, per linear foot.

The unit contract price per linear foot for “Cement Conc. Traffic Curb and Gutter” shall be full compensation for all labor, including work zone protection, material, tools and equipment necessary or incidental to perform the work as required in Section 8-04.

“Cement Conc. Traffic Pedestrian Curb”, per linear foot.

The unit contract price per linear foot for “Cement Conc. Traffic Pedestrian Curb” shall be full compensation for all labor, including work zone protection, material, tools and equipment necessary or incidental to perform the work as required in Section 8-04.

“Extruded Curb”, per linear foot.

The unit contract price per linear foot for “Extruded Curb” shall be full compensation for all labor, including work zone protection, material, tools and equipment necessary or incidental to perform the work as required in Section 8-04.

“Depressed Curb”, per linear foot.

The unit contract price per linear foot for “Depressed Curb” shall be full compensation for all labor, including work zone protection, material, tools and equipment necessary or incidental to perform the work as required in Section 8-04.

8-13 MONUMENT CASES

8-13.1 Description

Revise this section to read:

Where shown in the Plans or where directed by the Engineer, the existing survey monuments shall be adjusted to the grade as staked or otherwise designated by the Engineer.

8-13.4 Measurement

This section is revised as follows:

Adjustment of survey monuments will be measured per each.

8-13.5 Payment

This section is revised as follows:

“Adjust Survey Monument”, per each

8-14 CEMENT CONCRETE SIDEWALKS

8-14.1 Description

Revise this section to read:

This Work consists of the removal and disposal of existing cement concrete sidewalk and curb ramps, removal and disposal of asphalt pavement, excavation to subgrade, and the construction of cement concrete sidewalk and curb ramps, of the kind and design specified, at the locations shown in the Plans or where designated by the Engineer in accordance with these Specifications and in conformity to the lines and grades as staked.

8-14.2 Materials

Revise this section to read:

Materials shall meet the requirement of the following sections:

Portland Cement	9-01
Aggregates	9-03
Premolded Joint Filler	9-04.1
Concrete Curing Materials and Admixtures	9-23

Concrete for sidewalks shall contain an integral coloring agent to achieve a color equal to existing adjacent sidewalks and curb.

8-14.3 Construction Requirements

Revise this section to read:

The concrete in the sidewalk and curb ramps shall be air entrained concrete Class 3000 in accordance with the requirements of Section 6-02.

8-14.3(1) Excavation, Subgrade and Foundation

Revise this section to read:

Excavation shall be made to the required depth and to a width that will permit the installation and bracing the forms. The foundation shall be shaped and compacted to a firm even surface conforming to the section shown in the Plans. All soft and yielding material shall be removed and replaced with acceptable material.

The contractor shall sawcut, remove and dispose of existing concrete and prepare the subgrade in accordance with Division 2 of these Special Provisions.

The Contractor shall furnish and place a minimum of 4-inches, compacted thickness, of crushed surfacing top course as a foundation for sidewalk and curb ramps.

8-14.3(2) Forms

Revise this section to read:

Forms shall be wood or metal and shall extend for the full depth of the concrete. All forms shall be straight, free from warp, and of sufficient strength to resist the pressure of the concrete without springing. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal.

After the forms have been set to line and grade, the foundation shall be brought to grade required and thoroughly wetted approximately 12-hours before placing the concrete.

8-14.3(3) Placing and Finishing Concrete

Revise this section to read:

The curb and gutter section shall be placed prior to the placement of the sidewalk section unless otherwise directed by the Engineer.

The concrete shall be placed in the forms and struck off with an approved straightedge. As soon as the surface can be worked, it shall be troweled smooth with a steel trowel.

After troweling and before installing the contraction joints or perimeter edging, the walking surfaces of the sidewalks and ramps shall be brushed in a traverse direction with a stiff bristled broom as shown in the Standard Plans.

Expansion and contraction joints shall be constructed as shown in the Standard Plans. Generally, ¼ inch V-grooves deep are to be placed on 5 foot centers, but at the discretion of the inspector, this may change to make for a better match with the surrounding area.

Expansion joints shall be placed to match those placed in curbs if new sidewalk is poured adjacent to curb and gutter, in all other cases the maximum spacing on expansion joints shall be 30 feet center to center. Dummy joints shall be ½ inch by 1-1/2 inches on 15-foot centers.

Through joints shall be ½ inches by 4 inches. When the sidewalk abuts a cement concrete curb or curb and gutter, the expansion joints in the sidewalk shall have the same spacing as the curb. The expansion joint shall be filled to full cross-section of the sidewalk with 3/8-inch premolded joint filler.

Curb ramps shall be of the type specified in the Plans or as directed by the Engineer. The detectable warning pattern shall have truncated dome shape shown in the Standard Plans and may be installed using a manufactured material before or after the concrete has cured, or by installing masonry or ceramic tiles. Embossing or stamping the wet concrete to

achieve the truncated dome pattern or using a mold into which a catalyst hardened material is applied shall not be allowed. Acceptable manufacturers' products are shown on the Qualified Products List.

When masonry or ceramic tiles are used to create the detectable warning patten, the Contractor shall block out the detectable warning pattern area to the depth required for installation of the tiles and finish the construction of the concrete ramp. After the concrete has set and the forms have been removed, the Contractor shall install the tiles using standard masonry practices.

The 2-foot wide detectable warning pattern area on the ramp shall be yellow and shall match Federal Standard 595a, color number 33538. When painting the detectable warning pattern is required, paint shall conform to Section 9-34.2(1).

8-14.3(4) Curing

Revise this section to read:

The curing materials and procedures specified in Section 5-05.3(13) of the WSDOT/APWA Standard Specifications shall prevail, except that white pigment curing compounds shall not be used on sidewalks. Concrete sidewalks shall be cured for at least 72 hours.

The Contractor shall have readily available sufficient protective covering, such as waterproof paper or plastic membrane, to cover the pour of an entire day in event of rain or other unsuitable weather. The sidewalk shall be protected against damage, or defacement of any kind until it has been accepted by the Engineer, Sidewalk which is

not acceptable to the Engineer because of damage or defacement shall be removed and replaced by the Contractor.

During the curing period, all traffic, both pedestrian and vehicular, shall be excluded. Vehicular traffic shall be excluded for such additional time as the Engineer may specify.

In periods of low humidity, drying winds, or high temperatures, a fog spray shall be applied to the concrete as soon after placement as conditions warrant in order to prevent the formation of shrinkage cracks. The spray shall be continued until conditions permit the application of a liquid curing membrane or other curing media. The Engineer shall make the decision when the use of a fog spray is necessary.

When the air temperature is expected to reach the freezing point during the day or night, the concrete shall be protected from freezing. The Contractor shall provide a sufficient supply of straw, hay, grass, earth, blankets, or other suitable blanketing material and spread it over the pavement to a sufficient depth to prevent freezing of the concrete. The Contractor shall be responsible for the quality and strength of the concrete thus cured. Any concrete injured

by frost action or freezing shall be removed and replaced at the Contractor's expense in accordance with these Specifications.

8-14.4 Measurement

Revise this section to read:

Cement concrete sidewalk will be measured by the square yard of finished surface. Cement concrete sidewalk ramps will be measured per each completed ramp type.

8-14.5 Payment

Revise this section to read:

The unit contract price per square yard for "Cement Conc. Sidewalk" shall be full compensation for all labor, including work zone protection, materials, tools and equipment necessary or incidental to perform the work as required in Section 8-14.

The unit contract price per each for "Cement Conc. Curb Ramp Type__" shall be full compensation for all labor, including work zone protection, materials, tools and equipment necessary or incidental to perform the work as required in Section 8-14.

8-21 PERMANENT SIGNING

8-21.1 Description

Section 8-21.1 is supplemented with the following:

This work also consists of furnishing, installing, maintaining, and removing project signs as detailed in the Plans and complying with the requirements of Section 8.21 of Standard Specifications.

8-21.2 Material

Section 8-21.2 is supplemented with the following:

Material for fabrication of project sign shall be as follows:

Sign: 1/2-inch to 3/4-inch thick, 4-foot by 5-foot exterior grade/MDO plywood (APA rating A-B)

Support: Minimum of two 4-inch by 4-inch pressure-treated wood posts

Paint: Outdoor enamel

8-21.3 Construction Requirements

Add the following new section:

8-21.3(13) Project Sign

The Contractor shall provide and install a painted project sign. Lettering shall be professional quality, proportional in size and font, and centered on the sign. A shop

drawing shall be submitted and approved by the Engineer, prior to installation. Information depicted on the sign shall include:

- Project Name*
- City of Snohomish*
- City's Project Number*
- Contractor's Name*

The sign shall be constructed of new materials and shall be maintained to present a clean and neat look throughout the project duration. The sign shall be erected level and plumb on areas as designated by Engineer.

8-21.4 Measurement

No separate measurement will be made for providing and installing project signs. This work is considered incidental to "Permanent Signing".

No specific unit of measurement will be made for the lump sum item "Permanent Signing".

8-21.5 Payment

Permanent Signing

Permanent Signing, per lump sum, includes sign covering, mounting, hardware, posts, and all material for complete sign installation and relocation of private signs.

The lump sum unit contract price for providing and installing project signs shall be full compensation for all labor, tools, equipment, materials to provide and install the project sign including excavation, backfill and compaction, maintaining the project sign for the life of the project, and removing and disposing of project sign when directed by the Engineer.

DIVISION 9 MATERIALS

9-03 AGGREGATES

9-03.8 Aggregates for Hot Mix Asphalt

9-03.8(2) HMA Test Requirements

(March 10, 2010 APWA GSP)

Section 9-03.8(2) is supplemented with the following:

ESALs

The number of ESALs for the design and acceptance of the HMA shall be *** 3 to 30*** million.

9-03.8(7) HMA Tolerances and Adjustments

(March 10, 2010 APWA GSP)

Delete Item 1 and replace it with the following:

1. **Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	Nonstatistical Evaluation	Commercial Evaluation
Aggregate, percent passing		
1", 3/4", 1/2", and 3/8" sieves	±6%	±8%
U.S. No. 4 sieve	±6%	±8%
U.S. No. 8 sieve	±6%	±8%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%

These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the control points section, except the tolerance limits for sieves designated as 100 percent passing will be 99-100. The tolerance limits on sieves shall only apply to sieves with control points.

APPENDIX A

PREVAILING MINIMUM HOURLY WAGE RATES

**WASHINGTON STATE
PREVAILING WAGE RATES
FOR SNOHOMISH COUNTY**



Prevailing Wage Rates for Public Works Contracts

Help for this page

Printer Friendly

Look Up Journey Level Rates

Important Note about Rates: Choosing correct worker classifications depends upon *determinations* published by L&I. Review our Determinations.

Look up Prevailing Wage rates with effective dates as far back as March 4, 1998.

Which rates (effective date) should you select?

When are Prevailing Wage rates updated?

Select County

- Adams
- Asotin
- Benton
- Chelan
- Clallam
- Clark
- Columbia
- Cowlitz
- Douglas
- Ferry

Select Trade

- Asbestos Abatement Workers
- Boilermakers
- Brick And Block Finisher
- Brick Mason
- Brick Mason
- Bricklayer & Mason
- Building Service Employees
- Cabinet Makers (In Shop)
- Carpenters
- Cement Masons
- Divers & Tenders

Effective Date: 4/29/2015

Get Wages

Download Wages

Apprentice Wages

Benefit Code Key for 4/29/2015

County	Trade	Job Classification	Wage	Day	Overtime	Note
Snohomish	Asbestos Abatement Workers	Journey Level			1H	
Snohomish	Boilermakers	Journey Level	\$64.29	5N	1C	
Snohomish	Brick Mason	Brick And Block Finisher	\$44.46	5A	1M	
Snohomish	Brick Mason	Journey Level	\$51.32	5A	1M	
Snohomish	Brick Mason	Pointer-Caulker-Cleaner	\$51.32	5A	1M	
Snohomish	Building Service Employees	Janitor	\$9.47		1	
Snohomish	Building Service Employees	Shampooer	\$9.47		1	
Snohomish	Building Service Employees	Waxer	\$9.47		1	
Snohomish	Building Service Employees	Window Cleaner	\$13.48		1	
Snohomish	Cabinet Makers (In Shop)	Journey Level	\$15.08		1	
Snohomish	Carpenters	Acoustical Worker	\$52.32	5D	4C	
Snohomish	Carpenters	Bridge, Dock And Wharf Carpenters	\$52.32	5D	4C	
Snohomish	Carpenters	Carpenter	\$52.32	5D	4C	
Snohomish	Carpenters	Carpenters on Stationary Tools	\$52.45	5D	4C	
Snohomish	Carpenters	Creosoted Material	\$52.42	5D	4C	
Snohomish	Carpenters	Floor Finisher	\$52.32	5D	4C	
Snohomish	Carpenters	Floor Layer	\$52.32	5D	4C	
Snohomish	Carpenters	Scaffold Erector	\$52.32	5D	4C	
Snohomish	Cement Masons	Journey Level	\$52.38	7A	1M	
Snohomish	Divers & Tenders	Diver	\$105.37	5D	4C	8A
Snohomish	Divers & Tenders	Diver On Standby	\$59.50	5D	4C	
Snohomish	Divers & Tenders	Diver Tender	\$54.82	5D	4C	

Snohomish Drivers & Tenders	Surface Rcv & Rov Operator	\$54.82	5D	4C
Snohomish Drivers & Tenders	Surface Rcv & Rov Operator Tender	\$51.07	5A	4C
Snohomish Dredge Workers	Assistant Engineer	\$54.75	5D	3E
Snohomish Dredge Workers	Assistant Mate (Deckhand)	\$54.33	5D	3F
Snohomish Dredge Workers	Boatmen	\$54.75	5D	3F
Snohomish Dredge Workers	Engineer Welder	\$55.79	5D	3F
Snohomish Dredge Workers	Leverman, Hydraulic	\$56.92	5D	3F
Snohomish Dredge Workers	Mates	\$54.75	5D	3F
Snohomish Dredge Workers	Oiler	\$54.33	5D	3E
Snohomish Drywall Applicator	Journey Level	\$52.32	5D	1H
Snohomish Drywall Tapers	Journey Level	\$52.37	5P	1E
Snohomish Electrical Fixture Maintenance Workers	Journey Level	\$13.76		1
Snohomish Electricians - Inside	Cable Splicer	\$62.37	7H	1E
Snohomish Electricians - Inside	Construction Stock Person	\$30.95	7H	1D
Snohomish Electricians - Inside	Journey Level	\$58.23	7H	1E
Snohomish Electricians - Motor Shop	Craftsman	\$15.37		1
Snohomish Electricians - Motor Shop	Journey Level	\$14.69		1
Snohomish Electricians - Powerline Construction	Cable Splicer	\$69.95	5A	4D
Snohomish Electricians - Powerline Construction	Certified Line Welder	\$63.97	5A	4D
Snohomish Electricians - Powerline Construction	Groundperson	\$43.62	5A	4D
Snohomish Electricians - Powerline Construction	Heavy Line Equipment Operator	\$63.97	5A	4D
Snohomish Electricians - Powerline Construction	Journey Level Lineperson	\$63.97	5A	4D
Snohomish Electricians - Powerline Construction	Line Equipment Operator	\$53.81	5A	4D
Snohomish Electricians - Powerline Construction	Pole Sprayer	\$63.97	5A	4D
Snohomish Electricians - Powerline Construction	Powderperson	\$47.55	5A	4D
Snohomish Electronic Technicians	Journey Level	\$30.10		1
Snohomish Elevator Constructors	Mechanic	\$82.67	7D	4A
Snohomish Elevator Constructors	Mechanic In Charge	\$89.40	7D	4A
Snohomish Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		1
Snohomish Fence Erectors	Fence Erector	\$14.00		1
Snohomish Flaggers	Journey Level	\$36.17	7A	3I
Snohomish Glaziers	Journey Level	\$54.91	7L	1Y
Snohomish Heat & Frost Insulators And Asbestos Workers	Journeyman	\$61.18	5J	1S
Snohomish Heating Equipment Mechanics	Journey Level	\$70.37	7E	1E
Snohomish Hod Carriers & Mason Tenders	Journey Level	\$44.00	7A	3I
Snohomish Industrial Power Vacuum Cleaner	Journey Level	\$9.47		1
Snohomish Inland Boatmen	Boat Operator	\$54.57	5B	1K
Snohomish Inland Boatmen	Cook	\$50.95	5B	1K
Snohomish Inland Boatmen	Deckhand	\$51.19	5B	1K
Snohomish Inland Boatmen	Deckhand Engineer	\$52.18	5B	1K
Snohomish Inland Boatmen	Launch Operator	\$53.40	5B	1K
Snohomish Inland Boatmen	Mate	\$53.40	5B	1K
Snohomish Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$9.73		1
Snohomish Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.48		1
Snohomish Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		1
Snohomish Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$9.47		1
Snohomish Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	\$10.53		1
Snohomish Insulation Applicators	Journey Level	\$52.32	5D	4C
Snohomish Ironworkers	Journeyman	\$61.62	7N	1O
Snohomish Laborers	Air, Gas Or Electric Vibrating Screed	\$42.67	7A	3I
Snohomish Laborers	Airtrac Drill Operator	\$44.00	7A	3I
Snohomish Laborers	Ballast Regular Machine	\$42.67	7A	3I
Snohomish Laborers	Batch Weighman	\$36.17	7A	3I
Snohomish Laborers	Brick Pavers	\$42.67	7A	3I
Snohomish Laborers	Brush Cutter	\$42.67	7A	3I
Snohomish Laborers	Brush Hog Feeder	\$42.67	7A	3I
Snohomish Laborers	Burner	\$42.67	7A	3I
Snohomish Laborers	Caisson Worker	\$44.00	7A	3I
Snohomish Laborers	Carpenter Tender	\$42.67	7A	3I
Snohomish Laborers	Caulker	\$42.67	7A	3I
Snohomish Laborers	Cement Dumper-paving	\$43.46	7A	3I
Snohomish Laborers	Cement Finisher Tender	\$42.67	7A	3I
Snohomish Laborers	Change House Or Dry Shack	\$42.67	7A	3I
Snohomish Laborers	Chipping Gun (under 30 Lbs.)	\$42.67	7A	3I
Snohomish Laborers	Chipping Gun(30 Lbs. And Over)	\$43.46	7A	3I
Snohomish Laborers	Choker Setter	\$42.67	7A	3I
Snohomish Laborers	Chuck Tender	\$42.67	7A	3I
Snohomish Laborers	Clary Power Spreader	\$43.46	7A	3I
Snohomish Laborers	Clean-up Laborer	\$42.67	7A	3I
Snohomish Laborers	Concrete Dumper/chute Operator	\$43.46	7A	3I

Snohomish Laborers	Concrete Form Stripper	\$42.67	7A	31
Snohomish Laborers	Concrete Placement Crew	\$43.46	7A	31
Snohomish Laborers	Concrete Saw Operator/core Driller	\$43.46	7A	31
Snohomish Laborers	Crusher Feeder	\$36.17	7A	31
Snohomish Laborers	Curing Laborer	\$42.67	7A	31
Snohomish Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$42.67	7A	31
Snohomish Laborers	Ditch Digger	\$42.67	7A	31
Snohomish Laborers	Diver	\$44.00	7A	31
Snohomish Laborers	Drill Operator (hydraulic, diamond)	\$43.46	7A	31
Snohomish Laborers	Dry Stack Walls	\$42.67	7A	31
Snohomish Laborers	Dump Person	\$42.67	7A	31
Snohomish Laborers	Epoxy Technician	\$42.67	7A	31
Snohomish Laborers	Erosion Control Worker	\$42.67	7A	31
Snohomish Laborers	Faller & Bucker Chain Saw	\$43.46	7A	31
Snohomish Laborers	Fine Graders	\$42.67	7A	31
Snohomish Laborers	Firewatch	\$36.17	7A	31
Snohomish Laborers	Form Setter	\$42.67	7A	31
Snohomish Laborers	Gabian Basket Builders	\$42.67	7A	31
Snohomish Laborers	General Laborer	\$42.67	7A	31
Snohomish Laborers	Grade Checker & Transit Person	\$44.00	7A	31
Snohomish Laborers	Grinders	\$42.67	7A	31
Snohomish Laborers	Grout Machine Tender	\$42.67	7A	31
Snohomish Laborers	Groutmen (pressure)including Post Tension Beams	\$43.46	7A	31
Snohomish Laborers	Guardrail Erector	\$42.67	7A	31
Snohomish Laborers	Hazardous Waste Worker (level A)	\$44.00	7A	31
Snohomish Laborers	Hazardous Waste Worker (level B)	\$43.46	7A	31
Snohomish Laborers	Hazardous Waste Worker (level C)	\$42.67	7A	31
Snohomish Laborers	High Scaler	\$44.00	7A	31
Snohomish Laborers	Jackhammer	\$43.46	7A	31
Snohomish Laborers	Laserbeam Operator	\$43.46	7A	31
Snohomish Laborers	Maintenance Person	\$42.67	7A	31
Snohomish Laborers	Manhole Builder-mudman	\$43.46	7A	31
Snohomish Laborers	Material Yard Person	\$42.67	7A	31
Snohomish Laborers	Motorman-dinky Locomotive	\$43.46	7A	31
Snohomish Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$43.46	7A	31
Snohomish Laborers	Pavement Breaker	\$43.46	7A	31
Snohomish Laborers	Pilot Car	\$36.17	7A	31
Snohomish Laborers	Pipe Layer Lead	\$44.00	7A	31
Snohomish Laborers	Pipe Layer/tailor	\$43.46	7A	31
Snohomish Laborers	Pipe Pot Tender	\$43.46	7A	31
Snohomish Laborers	Pipe Reelner	\$43.46	7A	31
Snohomish Laborers	Pipe Wrapper	\$43.46	7A	31
Snohomish Laborers	Pot Tender	\$42.67	7A	31
Snohomish Laborers	Powderman	\$44.00	7A	31
Snohomish Laborers	Powderman's Helper	\$42.67	7A	31
Snohomish Laborers	Power Jacks	\$43.46	7A	31
Snohomish Laborers	Railroad Spike Puller - Power	\$43.46	7A	31
Snohomish Laborers	Raker - Asphalt	\$44.00	7A	31
Snohomish Laborers	Re-timberman	\$44.00	7A	31
Snohomish Laborers	Remote Equipment Operator	\$43.46	7A	31
Snohomish Laborers	Rigger/signal Person	\$43.46	7A	31
Snohomish Laborers	Rip Rap Person	\$42.67	7A	31
Snohomish Laborers	Rivet Buster	\$43.46	7A	31
Snohomish Laborers	Rodder	\$43.46	7A	31
Snohomish Laborers	Scaffold Erector	\$42.67	7A	31
Snohomish Laborers	Scale Person	\$42.67	7A	31
Snohomish Laborers	Sloper (over 20")	\$43.46	7A	31
Snohomish Laborers	Sloper Sprayer	\$42.67	7A	31
Snohomish Laborers	Spreader (concrete)	\$43.46	7A	31
Snohomish Laborers	Stake Hopper	\$42.67	7A	31
Snohomish Laborers	Stock Piler	\$42.67	7A	31
Snohomish Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$43.46	7A	31
Snohomish Laborers	Tamper (multiple & Self-propelled)	\$43.46	7A	31
Snohomish Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	\$43.46	7A	31
Snohomish Laborers	Toolroom Person (at Jobsite)	\$42.67	7A	31
Snohomish Laborers	Topper	\$42.67	7A	31
Snohomish Laborers	Track Laborer	\$42.67	7A	31
Snohomish Laborers	Track Liner (power)	\$43.46	7A	31
Snohomish Laborers	Traffic Control Laborer	\$38.68	7A	31

Snohomish Laborers	Traffic Control Supervisor	\$38.68	7A	3I	8R
Snohomish Laborers	Truck Spotter	\$42.67	7A	3I	
Snohomish Laborers	Tugger Operator	\$43.46	7A	3I	
Snohomish Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$64.99	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$70.02	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$73.70	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$79.40	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$81.52	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$86.62	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$88.52	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$90.52	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$92.52	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Gauge and Lock Tender	\$44.10	7A	3I	8Q
Snohomish Laborers	Tunnel Work-Miner	\$44.10	7A	3I	8Q
Snohomish Laborers	Vibrator	\$43.46	7A	3I	
Snohomish Laborers	Vinyl Seamer	\$42.67	7A	3I	
Snohomish Laborers	Watchman	\$32.87	7A	3I	
Snohomish Laborers	Welder	\$43.46	7A	3I	
Snohomish Laborers	Well Point Laborer	\$43.46	7A	3I	
Snohomish Laborers	Window Washer/cleaner	\$32.87	7A	3I	
Snohomish Laborers - Underground Sewer & Water	General Laborer & Topman	\$42.67	7A	3I	
Snohomish Laborers - Underground Sewer & Water	Pipe Layer	\$43.46	7A	3I	
Snohomish Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$17.31		1	
Snohomish Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$20.06		1	
Snohomish Landscape Construction	Landscaping Or Planting Laborers	\$14.13		1	
Snohomish Lathers	Journey Level	\$52.32	5D	1H	
Snohomish Marble Setters	Journey Level	\$51.32	5A	1M	
Snohomish Metal Fabrication (In Shop)	Fitter	\$15.38		1	
Snohomish Metal Fabrication (In Shop)	Laborer	\$9.79		1	
Snohomish Metal Fabrication (In Shop)	Machine Operator	\$9.47		1	
Snohomish Metal Fabrication (In Shop)	Painter	\$9.98		1	
Snohomish Metal Fabrication (In Shop)	Welder	\$15.38		1	
Snohomish Millwright	Journey Level	\$53.42	5D	4C	
Snohomish Modular Buildings	Journey Level	\$9.47		1	
Snohomish Painters	Journey Level	\$37.80	6Z	2B	
Snohomish Pile Driver	Journey Level	\$52.57	5D	4C	
Snohomish Plasterers	Journey Level	\$50.42	7Q	1R	
Snohomish Playground & Park Equipment Installers	Journey Level	\$11.94		1	
Snohomish Plumbers & Pipefitters	Journey Level	\$63.57	5A	1G	
Snohomish Power Equipment Operators	Asphalt Plant Operators	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Assistant Engineer	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Barrier Machine (zipper)	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Batch Plant Operator, Concrete	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Bobcat	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Brok - Remote Demolition Equipment	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Brooms	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Bump Cutter	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Cableways	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Chipper	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Compressor	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Concrete Finish Machine -laser Screed	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Conveyors	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$55.79	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (Including Jib With Attachments)	\$56.36	7A	3C	8P

Snohomish Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (Including Jib With Attachments)	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: Friction 100 Tons Through 199 Tons	\$56.36	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: Friction Over 200 Tons	\$56.92	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: Over 300 Tons Or 300' Of Boom (Including Jib With Attachments)	\$56.92	7A	3C	8P
Snohomish Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Crusher	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Deck Engineer/deck Winches (power)	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Derricks, On Building Work	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Dozers D-9 & Under	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Drilling Machine	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Gradechecker/stakeman	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Guardrail Punch	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Hard Tail End Dump Articulating Off-Road Equipment 45 Yards. & Over	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Horizontal/directional Drill Locator	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Horizontal/directional Drill Operator	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$55.79	7A	3C	8P
Snohomish Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Loaders, Plant Feed	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Loaders: Elevating Type Belt	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Locomotives, All	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Material Transfer Device	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$55.79	7A	3C	8P
Snohomish Power Equipment Operators	Motor Patrol Grader - Non-finishing	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Motor Patrol Graders, Finishing	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$55.79	7A	3C	8P
Snohomish Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Pavement Breaker	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Posthole Digger, Mechanical	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Power Plant	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Pumps - Water	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Rigger And Bellman	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Rollagon	\$55.24	7A	3C	8P
Snohomish Power Equipment Operators	Roller, Other Than Plant Mix	\$51.97	7A	3C	8P
Snohomish Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Roto-mill, Roto-grinder	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Saws - Concrete	\$54.33	7A	3C	8P
Snohomish Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$54.75	7A	3C	8P
Snohomish Power Equipment Operators	Scrapers - Concrete & Carry All	\$54.33	7A	3C	8P

Snohomish Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Service Engineers - Equipment	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators	Shotcrete/gunite Equipment	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$55.79	ZA	3C	8P
Snohomish Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators	Slipform Pavers	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Spreader, Topsider & Screedman	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Subgrader Trimmer	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators	Tower Bucket Elevators	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators	Tower Crane Over 175' In Height, Base To Boom	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	\$55.79	ZA	3C	8P
Snohomish Power Equipment Operators	Transporters, All Track Or Truck Type	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Trenching Machines	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators	Truck Mount Portable Conveyor	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators	Welder	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators	Wheel Tractors, Farmall Type	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators	Yo Yo Pay Dozer	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Bobcat	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Brooms	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cableways	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Chipper	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Compressor	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Conveyors	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$55.79	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (Including Jib With Attachments)	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (Including Jib With Attachments)	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: Friction 100 Tons Through 199 Tons	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: Friction Over 200 Tons	\$56.92	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: Over 300 Tons Or 300' Of Boom (Including Jib With Attachments)	\$56.92	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$54.33	ZA	3C	8P

Snohomish	Power Equipment Operators- Underground Sewer & Water	Crusher	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Drill Ollers: Auger Type, Truck Or Crane Mount	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- road Equipment Under 45 Yards	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$55.79	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$55.79	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Grader - Non-finishing	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders, Finishing	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$55.79	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$54.75	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$54.33	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$55.24	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$51.97	7A	3C	8P
Snohomish	Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$55.24	7A	3C	8P

Snohomish Power Equipment Operators-Underground Sewer & Water	Rigger And Bellman	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Rollagon	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$55.79	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Spreader, Topsoil & Screedman	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Tower Crane Over 175' In Height, Base To Boom	\$56.36	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	\$55.79	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$54.33	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$54.75	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Welder	\$55.24	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$51.97	ZA	3C	8P
Snohomish Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$54.75	ZA	3C	8P
Snohomish Power Line Clearance Tree Trimmers	Journey Level In Charge	\$45.75	5A	4A	
Snohomish Power Line Clearance Tree Trimmers	Spray Person	\$43.38	5A	4A	
Snohomish Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$45.75	5A	4A	
Snohomish Power Line Clearance Tree Trimmers	Tree Trimmer	\$40.84	5A	4A	
Snohomish Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$30.74	5A	4A	
Snohomish Refrigeration & Air Conditioning Mechanics	Mechanic	\$63.57	5A	1G	
Snohomish Residential Brick Mason	Journey Level	\$20.00			1
Snohomish Residential Carpenters	Journey Level	\$40.14	5D	4C	
Snohomish Residential Cement Masons	Journey Level	\$14.00			1
Snohomish Residential Drywall Applicators	Journey Level	\$40.14	5D	4C	
Snohomish Residential Drywall Tapers	Journey Level	\$52.37	5P	1E	
Snohomish Residential Electricians	Journey Level	\$31.49	7E	1D	
Snohomish Residential Glaziers	Journey Level	\$37.30	ZL	1H	
Snohomish Residential Insulation Applicators	Journey Level	\$25.68			1
Snohomish Residential Laborers	Journey Level	\$20.73			1
Snohomish Residential Marble Setters	Journey Level	\$30.74			1
Snohomish Residential Painters	Journey Level	\$17.46			1
Snohomish Residential Plumbers & Pipefitters	Journey Level	\$28.99			1
Snohomish Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$37.72	5A	1G	
Snohomish Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$42.58	7E		1B
Snohomish Residential Soft Floor Layers	Journey Level	\$42.41	5A		3D
Snohomish Residential Sprinkler Fitters (Fire	Journey Level	\$42.48	5C		2B

Protection)

Snohomish Residential Stone Masons	Journey Level	\$30.74		1	
Snohomish Residential Terrazzo Workers	Journey Level	\$9.47		1	
Snohomish Residential Terrazzo/Tile Finishers	Journey Level	\$21.60		1	
Snohomish Residential Tile Setters	Journey Level	\$25.17		1	
Snohomish Roofers	Journey Level	\$45.71	5A	3H	
Snohomish Roofers	Using Irritable Bituminous Materials	\$48.71	5A	3H	
Snohomish Sheet Metal Workers	Journey Level (Field or Shop)	\$70.37	7F	1E	
Snohomish Shipbuilding & Ship Repair	Boilermaker	\$39.82	7M	1H	
Snohomish Shipbuilding & Ship Repair	Carpenter	\$38.10	7B	2B	
Snohomish Shipbuilding & Ship Repair	Electrician	\$37.58	5T	3E	
Snohomish Shipbuilding & Ship Repair	Heat & Frost Insulator	\$61.18	5J	1S	
Snohomish Shipbuilding & Ship Repair	Laborer	\$27.88	5T	3E	
Snohomish Shipbuilding & Ship Repair	Machinist	\$37.58	5T	3E	
Snohomish Shipbuilding & Ship Repair	Painter	\$37.80	6Z	2B	
Snohomish Shipbuilding & Ship Repair	Shipfitter	\$37.58	5T	3E	
Snohomish Shipbuilding & Ship Repair	Welder/Burner	\$37.58	5T	3E	
Snohomish Sign Makers & Installers (Electrical)	Sign Installer	\$26.56		1	
Snohomish Sign Makers & Installers (Electrical)	Sign Maker	\$20.50		1	
Snohomish Sign Makers & Installers (Non-Electrical)	Sign installer	\$22.56		1	
Snohomish Sign Makers & Installers (Non-Electrical)	Sign Maker	\$20.50		1	
Snohomish Soft Floor Layers	Journey Level	\$42.41	5A	3D	
Snohomish Solar Controls For Windows	Journey Level	\$9.47		1	
Snohomish Sprinkler Fitters (Fire Protection)	Journey Level	\$69.74	5C	1X	
Snohomish Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		1	
Snohomish Stone Masons	Journey Level	\$51.32	5A	1M	
Snohomish Street And Parking Lot Sweeper Workers	Journey Level	\$15.00		1	
Snohomish Surveyors	Assistant Construction Site Surveyor	\$54.33	7A	3C	8P
Snohomish Surveyors	Chainman	\$53.81	7A	3C	8P
Snohomish Surveyors	Construction Site Surveyor	\$55.24	7A	3C	8P
Snohomish Telecommunication Technicians	Journey Level	\$22.38		1	
Snohomish Telephone Line Construction - Outside	Cable Splicer	\$36.96	5A	2B	
Snohomish Telephone Line Construction - Outside	Hole Digger/Ground Person	\$20.49	5A	2B	
Snohomish Telephone Line Construction - Outside	Installer (Repairer)	\$35.40	5A	2B	
Snohomish Telephone Line Construction - Outside	Special Aparatus Installer I	\$36.96	5A	2B	
Snohomish Telephone Line Construction - Outside	Special Apparatus Installer II	\$36.19	5A	2B	
Snohomish Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$36.96	5A	2B	
Snohomish Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$34.34	5A	2B	
Snohomish Telephone Line Construction - Outside	Telephone Lineperson	\$34.34	5A	2B	
Snohomish Telephone Line Construction - Outside	Television Groundperson	\$19.45	5A	2B	
Snohomish Telephone Line Construction - Outside	Television Lineperson/Installer	\$25.89	5A	2B	
Snohomish Telephone Line Construction - Outside	Television System Technician	\$30.97	5A	2B	
Snohomish Telephone Line Construction - Outside	Television Technician	\$27.77	5A	2B	
Snohomish Telephone Line Construction - Outside	Tree Trimmer	\$34.34	5A	2B	
Snohomish Terrazzo Workers	Journey Level	\$46.96	5A	1M	
Snohomish Tile Setters	Journey Level	\$46.96	5A	1M	
Snohomish Tile, Marble & Terrazzo Finishers	Finisher	\$37.79	5A	1B	
Snohomish Traffic Control Stripers	Journey Level	\$43.11	7A	1K	
Snohomish Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	\$49.85	5D	3A	8L
Snohomish Truck Drivers	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	\$49.01	5D	3A	8L
Snohomish Truck Drivers	Dump Truck	\$37.94		1	
Snohomish Truck Drivers	Dump Truck And Trailer	\$38.52		1	
Snohomish Truck Drivers	Other Trucks	\$38.52		1	
Snohomish Truck Drivers	Transit Mbxer	\$34.63		1	
Snohomish Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$17.05		1	
Snohomish Well Drillers & Irrigation Pump Installers	Oiler	\$13.93		1	
Snohomish Well Drillers & Irrigation Pump Installers	Well Driller	\$19.01		1	

WASHINGTON STATE PREVAILING WAGE RATES APPRENTICES

Washington State Department of Labor & Industries' Prevailing Apprentice Wage Rates can be found at the following website:

<https://fortress.wa.gov/lni/wagelookup/ApprenticeWageLookup.aspx>

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

- I. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

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- I. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Benefit Code Key – Effective 3-4-2015 thru 9-1-2015

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
 - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

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3.
 - C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
 - D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
 - C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

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4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).

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5. K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

Holiday Codes Continued

6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, Christmas Day, And A Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

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6. Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

Holiday Codes Continued

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday And Saturday After Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Benefit Code Key – Effective 3-4-2015 thru 9-1-2015

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, The Day After Or Before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, and The Day After Or Before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
- Over 50' To 100' -\$2.00 per Foot for Each Foot Over 50 Feet
 - Over 100' To 150' -\$3.00 per Foot for Each Foot Over 100 Feet
 - Over 150' To 220' -\$4.00 per Foot for Each Foot Over 150 Feet
 - Over 220' -\$5.00 per Foot for Each Foot Over 220 Feet

Benefit Code Key – Effective 3-4-2015 thru 9-1-2015

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price
- D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

FEDERAL PREVAILING WAGE RATES

General Decision Number: WA150001 06/12/2015 WA1

Superseded General Decision Number: WA20140001

State: Washington

Construction Type: Highway

Counties: Washington Statewide.

HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/09/2015
2	01/23/2015
3	02/27/2015
4	03/20/2015
5	04/03/2015
6	05/22/2015
7	05/29/2015
8	06/12/2015

CARP0001-008 06/01/2013

	Rates	Fringes
CARPENTER		
COLUMBIA RIVER AREA - ADAMS, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GRANT, OKANOGAN, (EAST OF THE 120 TH MERIDIAN) AND WALLA WALLA COUNTIES		
GROUP 1:.....	\$ 30.66	12.87
GROUP 2:.....	\$ 31.56	12.87
GROUP 3:.....	\$ 31.64	12.87
GROUP 4:.....	\$ 31.64	12.87
GROUP 5:.....	\$ 62.58	12.87
GROUP 6:.....	\$ 30.29	12.87
GROUP 7:.....	\$ 31.29	12.87
GROUP 8:.....	\$ 28.54	12.87
GROUP 9:.....	\$ 30.29	12.87

WA150001 Modification 8
Federal Wage Determinations for Highway Construction

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS
AND WHITMAN COUNTIES

GROUP 1:.....	\$ 30.66	12.87
GROUP 2:.....	\$ 31.56	12.87
GROUP 3:.....	\$ 31.64	12.87
GROUP 4:.....	\$ 31.64	12.87
GROUP 5:.....	\$ 70.78	12.87
GROUP 6:.....	\$ 32.64	12.87
GROUP 7.....	\$ 35.39	12.87
GROUP 8.....	\$ 34.39	12.87
GROUP 9.....	\$ 34.39	12.87

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter
 GROUP 2: Millwright, machine erector
 GROUP 3: Piledriver - includes driving, pulling, cutting,
 placing collars, setting, welding, or creosote treated
 material, on all piling
 GROUP 4: Bridge carpenters
 GROUP 5: Diver Wet
 GROUP 6: Diver Tender, Manifold Operator, ROV Operator
 GROUP 7: Diver Standby, Bell/Vehicle or Submersible operator
 Not Under Pressure
 GROUP 8: Assistant Tender, ROV Tender/Technician
 GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-40 MILES	FREE
ZONE 2	41-65 MILES	\$2.25/PER HOUR
ZONE 3	66-100 MILES	\$3.25/PER HOUR
ZONE 4	OVER 100 MILES	\$4.75/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (515 N Neel Street) or Main
 Post Office of established residence of employee (Whichever
 is closest to the worksite).

CARPENTERS/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main
 Post Office of established residence of employee (Whichever
 is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of
 established residence of employee (Whichever is closest to
 the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main
 Post Office of established residence of employee (Whichever
 is closest to the worksite).

CARPENTERS: MOSCOW (302 N. JACKSON) or Main Post Office of
 established residence of employee (Whichever is closest to
 the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet \$2.00 per foot
101-150 feet \$3.00 per foot
151-220 feet \$4.00 per foot
221 feet and deeper \$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet Free
26-300 feet \$1.00 per Foot

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

CARP0003-006 10/01/2011

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLUCKITAT,
LEWIS (Piledriver only), PACIFIC (South of a straight line made
by extending the north boundary line of Wahkiakum County west
to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHAKIYAKUM
COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS.....	\$ 32.04	14.18
DIVERS TENDERS.....	\$ 36.34	14.18
DIVERS.....	\$ 77.08	14.18
DRYWALL.....	\$ 27.56	14.18
MILLWRIGHTS.....	\$ 32.19	14.18
FILEDRIVERS.....	\$ 33.04	14.18

DEPTH PAY:

50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET
101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET
151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):

Zone 2 - \$0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND
VANCOUVER, (NOTE: All dispatches for Washington State
Counties: Cowlitz, Wahkiakum and Pacific shall be from
Longview Local #1707 and mileage shall be computed from
that point.)

ZONE 1: Projects located within 30 miles of the respective
city hall of the above mentioned cities
ZONE 2: Projects located more than 30 miles and less than 40
miles of the respective city of the above mentioned cities
ZONE 3: Projects located more than 40 miles and less than 50
miles of the respective city of the above mentioned cities
ZONE 4: Projects located more than 50 miles and less than 60
miles of the respective city of the above mentioned cities.
ZONE 5: Projects located more than 60 miles and less than 70
miles of the respective city of the above mentioned cities
ZONE 6: Projects located more than 70 miles of the respected
city of the above mentioned cities

CARP0770-003 07/01/2014

	Rates	Fringes
CARPENTER		
CENTRAL WASHINGTON:		
CHELAN, DOUGLAS (WEST OF		
THE 120TH MERIDIAN),		
KITTTITAS, OKANOGAN (WEST		
OF THE 120TH MERIDIAN) AND		
YAKIMA COUNTIES		
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 38.78	13.64
CARPENTERS.....	\$ 38.68	13.64
DIVERS TENDER.....	\$ 39.15	13.64
DIVERS.....	\$ 87.20	13.64
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 39.78	13.64
PILEDRIIVER, DRIVING,		
PULLING, CUTTING, PLACING		
COLLARS, SETTING, WELDING		
OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 38.93	13.64

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS)

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

WA150001 Modification 8
Federal Wage Determinations for Highway Construction

 CARP0770-006 06/01/2014

	Rates	Fringes
CARPENTER		
WESTERN WASHINGTON:		
CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS (excludes piledrivers only), MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
BRIDGE CARPENTERS.....	\$ 38.68	13.64
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 38.78	13.64
CARPENTERS.....	\$ 38.68	13.64
DIVERS TENDER.....	\$ 39.15	13.64
DIVERS.....	\$ 87.20	13.64
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 39.78	13.64
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 38.93	13.64

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)
 Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

WA150001 Modification 8
Federal Wage Determinations for Highway Construction

 ELEC0046-001 02/04/2013

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 46.87	3%+15.96
ELECTRICIAN.....	\$ 42.61	3%+15.96

ELEC0048-003 01/01/2015

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 40.20	21.50

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

- Zone 1: 31-50 miles \$1.50/hour
- Zone 2: 51-70 miles \$3.50/hour
- Zone 3: 71-90 miles \$5.50/hour
- Zone 4: Beyond 90 miles \$9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

 ELEC0048-029 01/01/2015

COWLITZ AND WAHKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 40.20	21.50

ELEC0073-001 08/02/2014

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN
COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 33.00	16.25
ELECTRICIAN.....	\$ 30.00	16.25

ELEC0076-002 09/01/2014GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON
COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 37.94	23.36
ELECTRICIAN.....	\$ 34.49	23.36

ELEC0112-005 06/01/2014ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA
WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 39.95	17.88
ELECTRICIAN.....	\$ 38.05	17.82

ELEC0191-003 06/01/2014

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.23	17.73
ELECTRICIAN.....	\$ 40.21	17.73

ELEC0191-004 06/01/2014

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.82	17.63
ELECTRICIAN.....	\$ 37.11	17.63

ENGI0302-003 06/01/2014

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

PROJECTS: CATEGORY A PROJECTS (EXCLUDES CATEGORY B PROJECTS, AS SHOWN BELOW)

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A.....	\$ 38.39	17.39
Group 1AA.....	\$ 38.96	17.39
Group 1AAA.....	\$ 39.52	17.39
Group 1.....	\$ 37.84	17.39
Group 2.....	\$ 37.35	17.39
Group 3.....	\$ 36.93	17.39
Group 4.....	\$ 34.57	17.39

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator- Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

Category B Projects: 95% of the basic hourly reate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$.70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom
(including jib with attachments); Tower crane over 175 ft in
height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building work;
Excavator, shovel, backhoes over 3 yards and under 6 yards;
Hard tail end dump articulating off-road equipment 45 yards
and over; Loader- overhead 6 yards to, but not including 8
yards; Mucking machine, mole, tunnel, drill and/or shield;
Quad 9, HD 41, D-10; Remote control operator on rubber tired
earth moving equipment; Rollagon; Scrapers-self propelled 45
yards and over; Slipform pavers; Transporters, all truck or
track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-
Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-overhead, bridge type-20 tons through 44
tons; Chipper; Concrete Pump-truck mount with boom
attachment; Crusher; Deck Engineer/Deck Winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing Machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Horizontal/directional drill
operator; Loaders-overhead under 6 yards; Loaders-plant feed;
Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor
patrol graders-finishing; Piledriver (other than crane
mount); Roto-mill, roto-grinder; Screedman, spreader, topside
operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar
Green; Scraper-self propelled, hard tail end dump,
articulating off-road equipment-under 45 yards; Subgrade
trimmer; Tractors, backhoes-over 75 hp; Transfer material
service machine-shuttle buggy, blaw knox-roadtec; Truck crane
oiler/driver-100 tons and over; Truck Mount portable
conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, ect.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be elgible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

* ENGI0370-002 06/01/2015

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN),
 COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY,
 FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH
 MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN
 AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 26.16	13.55
GROUP 2.....	\$ 26.48	13.55
GROUP 3.....	\$ 27.09	13.55
GROUP 4.....	\$ 27.25	13.55
GROUP 5.....	\$ 27.41	13.55
GROUP 6.....	\$ 27.69	13.55
GROUP 7.....	\$ 27.96	13.55
GROUP 8.....	\$ 29.06	13.55

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;
 Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco,
 Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors
 (under 2000 CFM, gas, diesel, or electric power); Deck
 Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher,
 Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine;
 Pumpman; Rollers, all types on subgrade, including seal and
 chip coatings (farm type, Case, John Deere & similar, or
 Compacting Vibrator), except when pulled by Dozer with
 operable blade; Welding Machine; Crane Oiler-Driver (CLD
 required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers) (Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Roller (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vector guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
 180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 ENGI0612-012 06/01/2014

LEWIS, PIERCE, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 38.39	17.40
GROUP 1AA.....	\$ 38.96	17.40
GROUP 1AAA.....	\$ 39.52	17.40
GROUP 1.....	\$ 37.84	17.40
GROUP 2.....	\$ 37.35	17.40
GROUP 3.....	\$ 36.93	17.40
GROUP 4.....	\$ 34.57	17.40

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom
(including jib with attachments; Tower crane over 175 ft in
height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building
work; Excavator, shovel, backhoes over 3 yards and under 6
yards; Hard tail end dump articulating off-road equipment
45 yards and over; Loader- overhead, 6 yards to, but not
including, 8 yards; Mucking machine, mole, tunnel, drill
and/or shield; Quad 9 HD 41, D-10; Remote control operator
on rubber tired earth moving equipment; Rollagon; Scrapers-
self-propelled 45 yards and over; Slipform pavers;
Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-
concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-Overhead, bridge type, 20 tons through
44 tons; Chipper; Concrete pump-truck mount with boom
attachment; Crusher; Deck engineer/deck winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Loaders, overhead under 6
yards; Loaders-plant feed; Locomotives-all; Mechanics- all;
Mixers, asphalt plant; Motor patrol graders, finishing;
Piledriver (other than crane mount); Roto-mill, roto-
grinder; Screedman, spreader, topside operator-Blaw Knox,
Cedar Rapids, Jaeger, Caterpillar, Barbar Green;
Scraper-self- propelled, hard tail end dump, articulating
off-road equipment- under 45 yards; Subgrader trimmer;
Tractors, backhoe over 75 hp; Transfer material service
machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane
oiler/driver-100 tons and over; Truck Mount Portable
Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

ENGI0701-002 01/01/2015

CLARK, COWLITZ, KLICKKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHAKIYAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 39.47	14.10
GROUP 1A.....	\$ 41.44	14.10
GROUP 1B.....	\$ 43.42	14.10
GROUP 2.....	\$ 37.58	14.10
GROUP 3.....	\$ 36.44	14.10
GROUP 4.....	\$ 35.36	14.10
GROUP 5.....	\$ 34.13	14.10
GROUP 6.....	\$ 30.94	14.10

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH;
CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA;
CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS
INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE;
GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1: Concrete Batch Plant and or Wet mix three (3) units or more;
 Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over;
 Helicopter when used in erecting work

Group 1A: Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib;
 Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B: Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2: Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3: Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4: Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Flow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine;

Ultra High Pressure Water Jet Cutting Tool System Operator;
Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5: Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6: Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steed (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feeder; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

IRON0014-005 07/01/2013

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 31.60	21.35

IRON0029-002 07/01/2013

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 34.12	21.35

IRON0086-002 07/01/2013

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 31.60	21.35

IRON0086-004 07/01/2013

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 38.14	21.35

LABO0001-002 06/01/2014

ZONE 1:

Rates Fringes

Laborers:

CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

GROUP 1.....	\$ 22.49	10.30
GROUP 2.....	\$ 25.79	10.30
GROUP 3.....	\$ 32.29	10.30
GROUP 4.....	\$ 33.08	10.30
GROUP 5.....	\$ 33.62	10.30

CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES

GROUP 1.....	\$ 18.95	10.30
GROUP 2.....	\$ 21.76	10.30
GROUP 3.....	\$ 23.85	10.30
GROUP 4.....	\$ 24.43	10.30
GROUP 5.....	\$ 24.85	10.30

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
- ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

- ZONE 2 - \$1.00
- ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

- ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, airtrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and gas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0238-004 06/01/2014

PASCO AREA: ADAMS, BENTON, COLUMBIA, DOUGLAS (East of 120th Meridian), FERRY, FRANKLIN, GRANT, OKANOGAN, WALLA WALLA

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS & WHITMAN COUNTIES

	Rates	Fringes
LABORER (PASCO)		
GROUP 1.....	\$ 22.25	10.95
GROUP 2.....	\$ 24.35	10.95
GROUP 3.....	\$ 24.62	10.95
GROUP 4.....	\$ 24.89	10.95
GROUP 5.....	\$ 25.17	10.95
LABORER (SPOKANE)		
GROUP 1.....	\$ 21.95	10.95
GROUP 2.....	\$ 24.05	10.95
GROUP 3.....	\$ 24.32	10.95
GROUP 4.....	\$ 24.59	10.95
GROUP 5.....	\$ 24.87	10.95

Zone Differential (Add to Zone 1 rate): \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

LABO0238-006 06/01/2014

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 24.32	10.95

LABO0335-001 06/01/2013

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 28.65	10.05
GROUP 2.....	\$ 29.25	10.05
GROUP 3.....	\$ 29.69	10.05
GROUP 4.....	\$ 30.07	10.05
GROUP 5.....	\$ 26.15	10.05
GROUP 6.....	\$ 23.73	10.05
GROUP 7.....	\$ 20.53	10.05

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65
 Zone 3 - 1.15
 Zone 4 - 1.70
 Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.
 ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
 ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
 ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
 ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean-up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunitite Nozzleman Tender; Gunitite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-019 09/01/2013

	Rates	Fringes
Hod Carrier.....	\$ 30.47	10.05

PAIN0005-002 07/01/2014

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 28.50	14.61

PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

PAIN0005-006 07/01/2014

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);
 CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,
 LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,
 WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER		
Application of Cold Tar Products, Epoxies, Polyure thanes, Acids, Radiation Resistant Material, Water and Sandblasting.....	\$ 26.65	10.48
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping, Steam-cleaning and Spray....	\$ 21.55	10.48
Lead Abatement, Asbestos Abatement.....	\$ 21.50	7.98

*\$.70 shall be paid over and above the basic wage rates
 listed for work on swing stages and high work of over 30
 feet.

PAIN0055-003 04/01/2015

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM
 COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 22.47	9.60
High work - All work 60 ft. or higher.....	\$ 23.22	9.60
Spray and Sandblasting.....	\$ 23.07	9.60

PAIN0055-006 11/01/2014

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER.....	\$ 33.43	11.08

PLAS0072-004 06/01/2014

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA
COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 26.41	12.44

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

* PLAS0528-001 06/01/2015

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING,
KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT,
SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON.....	\$ 38.52	15.43
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 39.02	15.43
TROWLING MACHINE OPERATOR ON COMPOSITION.....	\$ 39.02	15.43

* PLAS0555-002 06/01/2015

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 30.58	18.18
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 30.58	18.18
CEMENT MASONS.....	\$ 29.98	18.18
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 31.18	18.18

Zone Differential (Add To Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

- ZONE 1: Projects within 30 miles of the respective city hall
- ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
- ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
- ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
- ZONE 5: More than 80 miles from the respective city hall

 TEAM0037-002 06/01/2014

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHAKIYAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 26.90	14.37
GROUP 2.....	\$ 27.02	14.37
GROUP 3.....	\$ 27.15	14.37
GROUP 4.....	\$ 27.41	14.37
GROUP 5.....	\$ 27.63	14.37
GROUP 6.....	\$ 27.79	14.37
GROUP 7.....	\$ 27.99	14.37

Zone Differential (Add to Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

- ZONE 1: Projects within 30 miles of the respective city hall.
- ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
- ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
- ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
- ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom cumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

TEAM0174-001 01/01/2014

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 32.18	16.69
GROUP 2:.....	\$ 31.34	16.69
GROUP 3:.....	\$ 28.53	16.69
GROUP 4:.....	\$ 23.56	16.69
GROUP 5:.....	\$ 31.73	16.69

ZONE B (25-45 miles from center of listed cities*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities*): Add \$1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired) (when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0690-004 01/01/2014

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA
COUNTIES

Rates Fringes

Truck drivers: (AREA 1:
SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln,
Okanogan, Pen Oreille, Spokane, Stevens, and Whitman
Counties

AREA 1: LEWISTON ZONE CENTER:
Asotin, Columbia, and Garfield Counties

AREA 2: PASCO ZONE CENTER:
Benton, Franklin, Walla Walla and Yakima Counties)

AREA 1:		
GROUP 1.....	\$ 20.17	15.19
GROUP 2.....	\$ 22.44	15.19
GROUP 3.....	\$ 22.94	15.19
GROUP 4.....	\$ 23.27	15.19
GROUP 5.....	\$ 23.38	15.19
GROUP 6.....	\$ 23.55	15.19
GROUP 7.....	\$ 24.08	15.19
GROUP 8.....	\$ 24.44	15.19
AREA 2		
GROUP 1.....	\$ 21.77	15.19
GROUP 2.....	\$ 24.31	15.19
GROUP 3.....	\$ 24.42	15.19
GROUP 4.....	\$ 24.75	15.19
GROUP 5.....	\$ 24.86	15.19
GROUP 6.....	\$ 25.02	15.19
GROUP 7.....	\$ 25.56	15.19
GROUP 8.....	\$ 25.88	15.19

Zone Differential (Add to Zone 1 rate: Zone 1 + \$2.00)

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power
Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and
under); Leverperson (loading trucks at bunkers); Trailer
Mounted Hydro Seeder and Mulcher; Seeder & Mulcher;
Stationary Fuel Operator; Tractor (small, rubber-tired,
pulling trailer or similar equipment)

WA150001 Modification 8

Federal Wage Determinations for Highway Construction

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWS & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

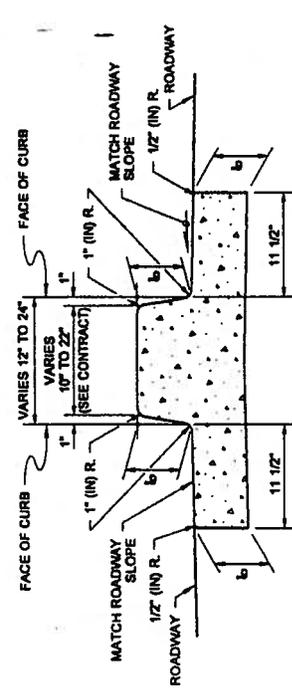
4.) All decisions by the Administrative Review Board are final.

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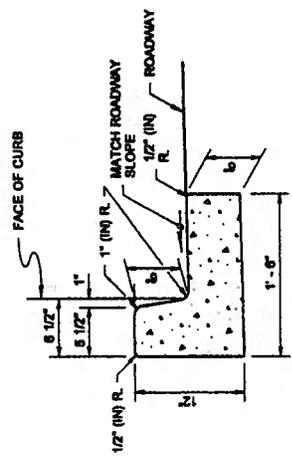
END OF GENERAL DECISION

APPENDIX B

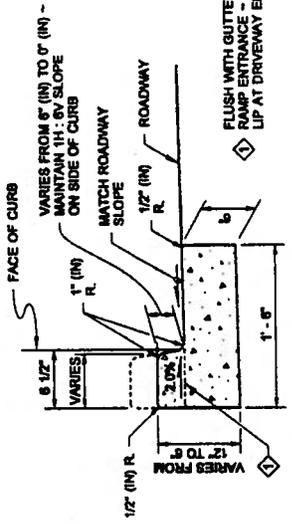
STANDARD PLANS



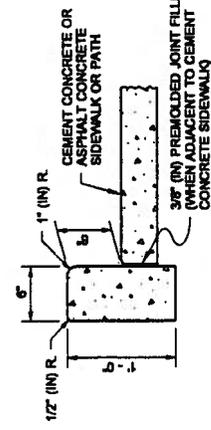
DUAL-FACED CEMENT CONCRETE TRAFFIC CURB AND GUTTER



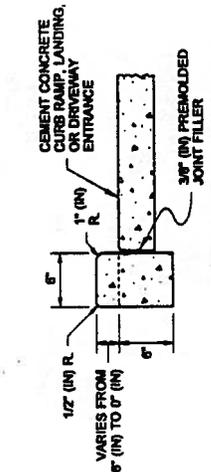
CEMENT CONCRETE TRAFFIC CURB AND GUTTER



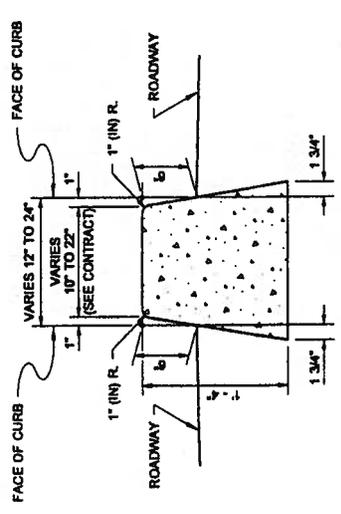
DEPRESSED CURB SECTION AT CURB RAMPS AND DRIVEWAY ENTRANCES



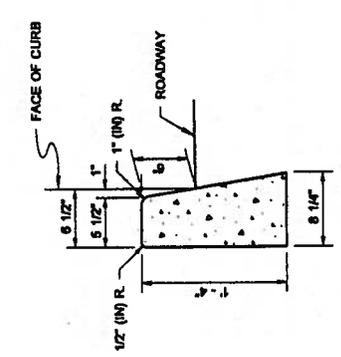
CEMENT CONCRETE PEDESTRIAN CURB AT CURB RAMPS, LANDINGS, AND DRIVEWAY ENTRANCES



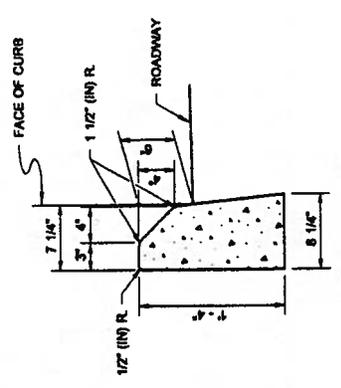
MOUNTABLE CEMENT CONCRETE TRAFFIC CURB



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

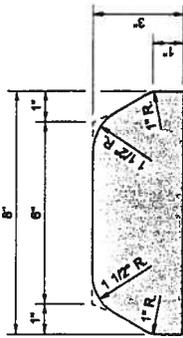
**CEMENT CONCRETE CURBS
STANDARD PLAN F-10-12-03**

SHEET 1 OF 1 SHEET

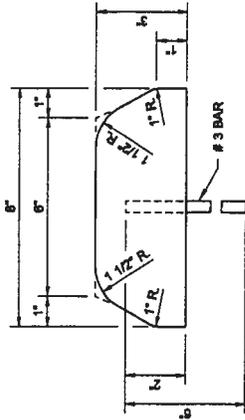
APPROVED FOR PUBLICATION
Baltimore, Pa.
Jan 11 2014 12:25 PM



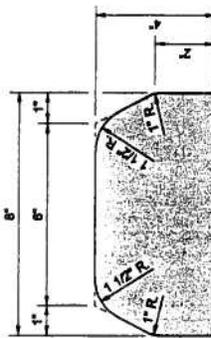
DRAWN BY: BILL BERENS



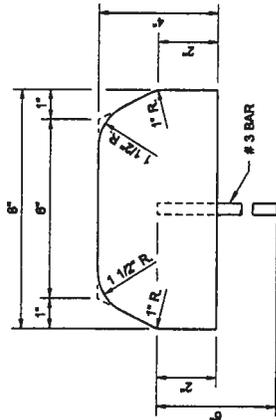
TYPE 1
(HOT MIX ASPHALT)



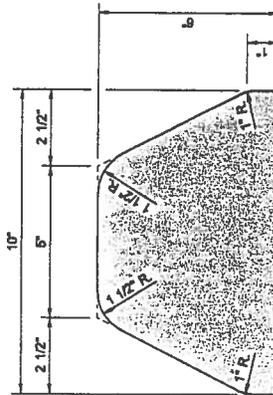
TYPE 4
(CEMENT CONCRETE)



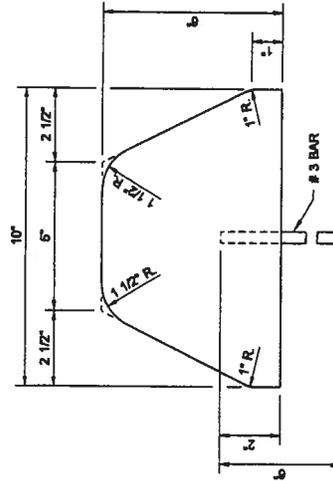
TYPE 2
(HOT MIX ASPHALT)



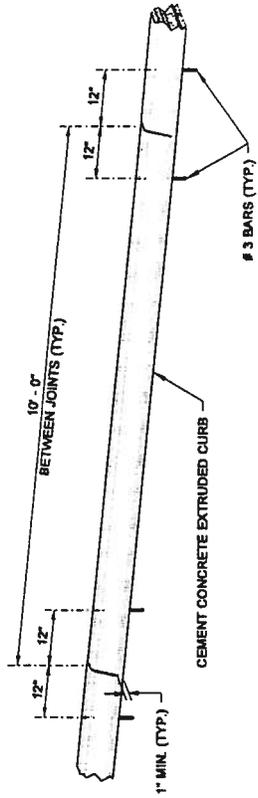
TYPE 5
(CEMENT CONCRETE)



TYPE 3
(HOT MIX ASPHALT)



TYPE 6
(CEMENT CONCRETE)



SPACING OF ANCHOR BARS
(FOR TYPES 4, 5, AND 6)

NOTE
JOINTS MAY BE FORMED DURING INSTALLATION USING A WOOD BOARD. ANCHOR BARS SHOULD BE SHOWN AFTER CONCRETE CURES TO MINIMUM STRENGTH.



EXPIRES AUGUST 26, 2007

EXTRUDED CURB

STANDARD PLAN F-10.42-00

SHEET 1 OF 1 SHEET

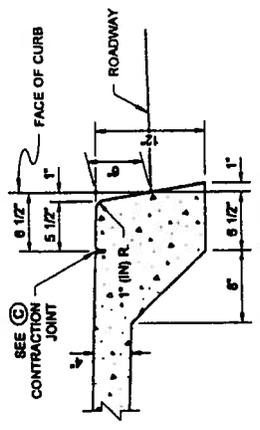
APPROVED FOR PUBLICATION

Ken L. Smith 01-23-07

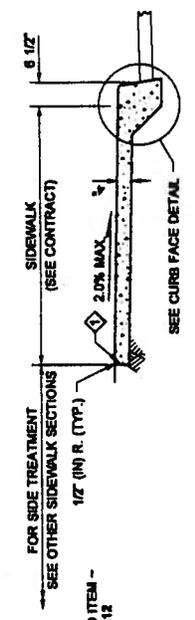
STATE ENGINEER DATE

Washington State Department of Transportation





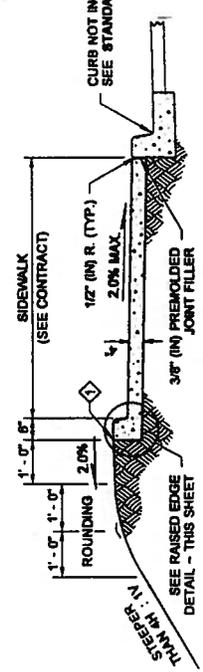
CURB FACE DETAIL
 EXTEND SIDEWALK TRANSVERSE EXPANSION JOINTS TO INCLUDE CURB (PULL DEPTH)



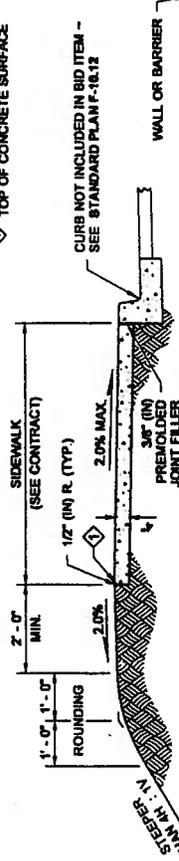
MONOLITHIC CEMENT CONCRETE CURB AND SIDEWALK

NOTE

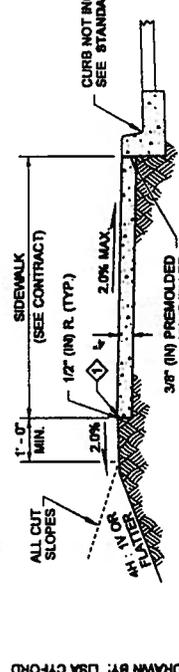
1. Four feet of the sidewalk width shall be the minimum pedestrian accessible route free of vertical and horizontal obstructions. Gratings, Access Covers, Junction Boxes, Cable Vaults, Pull Boxes and other appurtenances within the sidewalk must have slip resistant surfaces, be flush with surface, and match grade of the sidewalk.



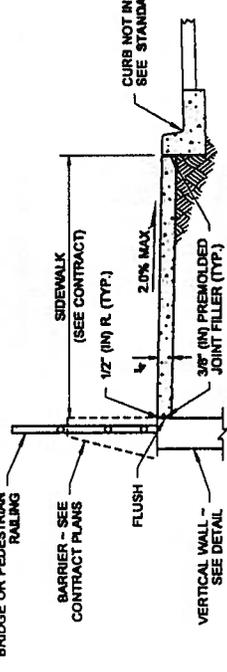
WITH RAISED EDGE



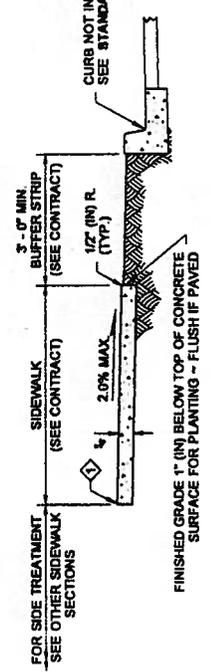
ADJACENT TO CURB (STEEP FILL SLOPES)



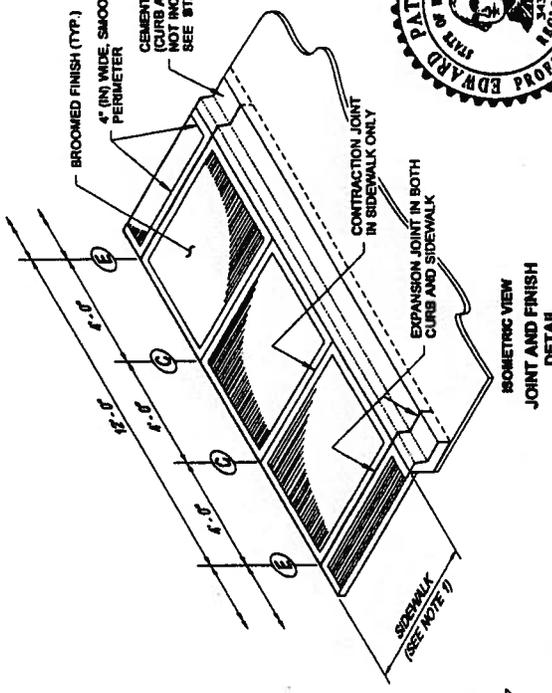
ADJACENT TO CURB



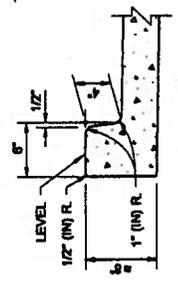
ADJACENT TO CURB AND RAILING OR WALL



ADJACENT TO BUFFER STRIP

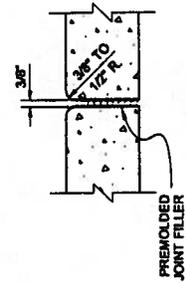


SIDEWALK ADJACENT TO WALL DETAIL

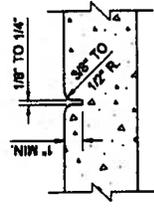


RAISED EDGE DETAIL

EXTEND SIDEWALK TRANSVERSE JOINTS TO INCLUDE RAISED EDGE



(E) EXPANSION JOINT



(C) CONTRACTION JOINT



Barry, Ed
 May 6 2014 3:41 PM

CEMENT CONCRETE SIDEWALK

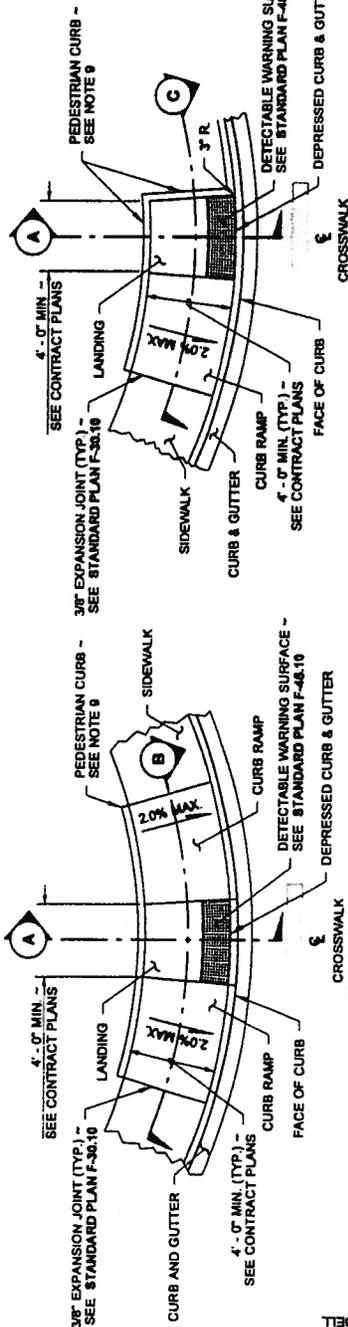
STANDARD PLAN F-30.10-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
 Matthew P. Jones
 Jan 11 2011 12:57 PM
 STATE OF WASHINGTON
 Washington State Department of Transportation

NOTES

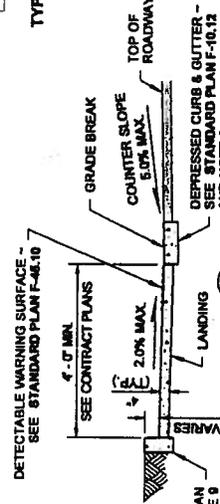
1. Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp location shall be placed within the width of the associated crosswalk, or as shown in the Contract Plans.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
3. Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances in front of the Curb Ramp or on any part of the Curb Ramp or Landing.
4. See Contract Plans for the curb design specified. See Standard Plan F-10.12 for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
5. See Standard Plan F-30.10 for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
6. The Bid item "Cement Concrete Curb Ramp Type * does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
7. The Curb Ramp maximum running slope shall not require the ramp length to exceed 15 feet to avoid chasing the slope indefinitely when connecting to steep grades. When applying the 15-foot max. length, the running slope of the curb ramp shall be as flat as feasible.
8. Curb Ramp, Landing, and Flares shall receive broom finish. See Standard Specifications 8-14.
9. Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.



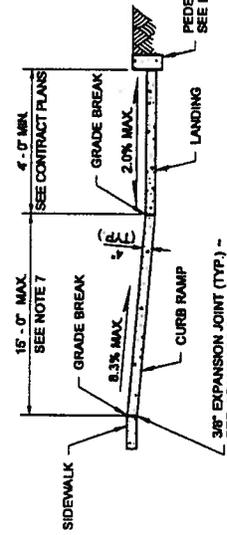
PLAN VIEW
TYPE PARALLEL A

PLAN VIEW
TYPE PARALLEL B

DRAWN BY: FERN ULDELL

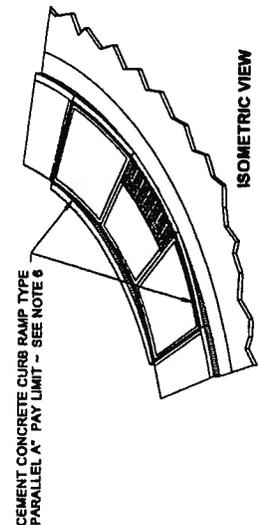


SECTION A

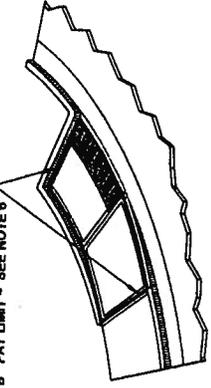


SECTION B

SECTION C



ISOMETRIC VIEW
TYPE PARALLEL A PAY LIMIT

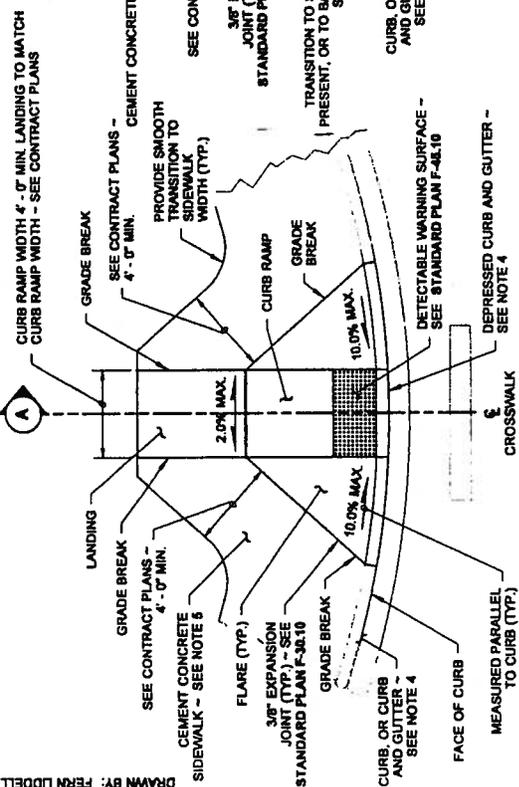


ISOMETRIC VIEW
TYPE PARALLEL B PAY LIMIT

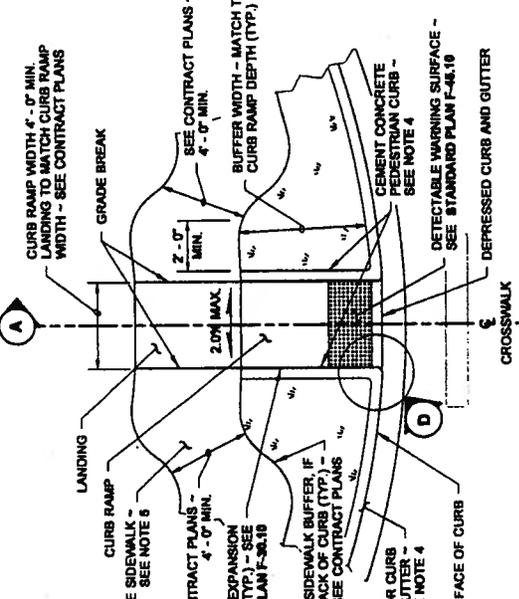
LEGEND
SLOPE IN EITHER DIRECTION

EDWARD PATRICK BARRY VERHULST
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
34363

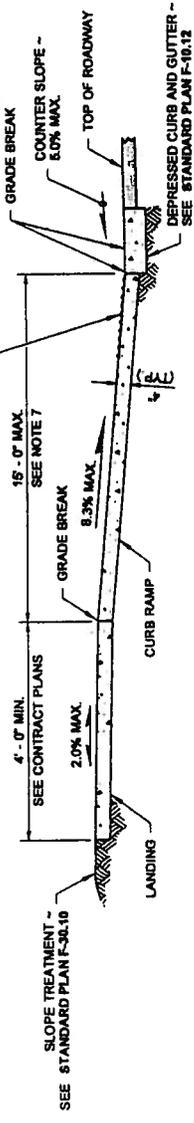
DRAWN BY: FERN LIDDELL



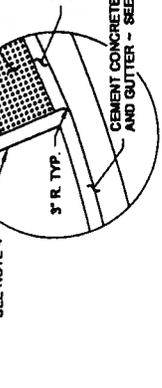
PLAN VIEW
TYPE PERPENDICULAR A



PLAN VIEW
TYPE PERPENDICULAR B
(SHOWN WITH BUFFER)



SECTION A

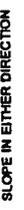


CURB RADIUS DETAIL (D)

NOTES

1. Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp location shall be placed within the width of the associated crosswalk or as shown in the Contract Plans.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
3. Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances in front of the Curb Ramp or on any part of the Curb Ramp or Landing.
4. See the Contract Plans for the curb design specified. See Standard Plan F-10.12 for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
5. See Standard Plan F-30.10 for Cement Concrete Sidewalk details. See Contract Plans for width and placement of sidewalk.
6. The Bid Item "Cement Concrete Curb Ramp Type _____" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalk.
7. The Curb Ramp maximum running slope shall not require the ramp length to exceed 15-feet to avoid chasing the slope indefinitely when connecting to steep grades. When applying the 15-foot maximum length, the running slope of the Curb Ramp shall be as flat as feasible.
8. Curb Ramp, Landing, and Flares shall receive broom finish. See Standard Specifications 8-14.

LEGEND



SLOPE IN EITHER DIRECTION



DETECTABLE WARNING SURFACE - SEE STANDARD PLAN F-40.10



DEPRESSED CURB AND GUTTER - SEE NOTE 4



CEMENT CONCRETE CURB AND GUTTER - SEE NOTE 4



PERPENDICULAR CURB RAMP
STANDARD PLAN F-40.15-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bektovich III
 STATE DESIGN ENGINEER
 DATE: 6/20/13
 Washington State Department of Transportation

ISOMETRIC VIEW

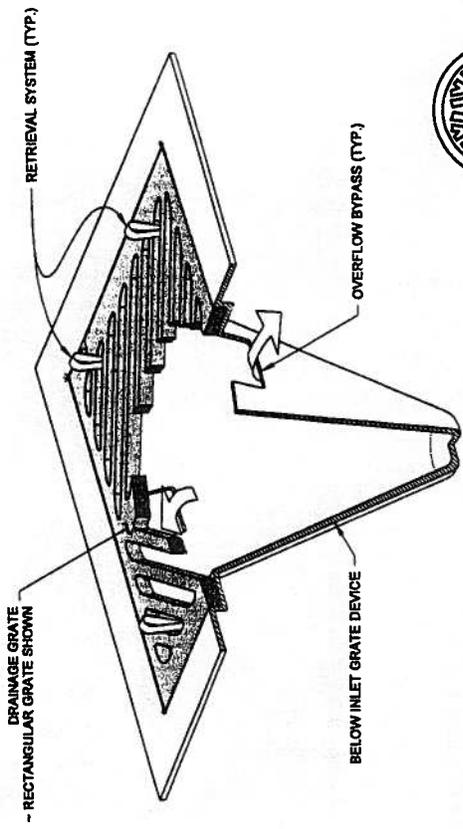
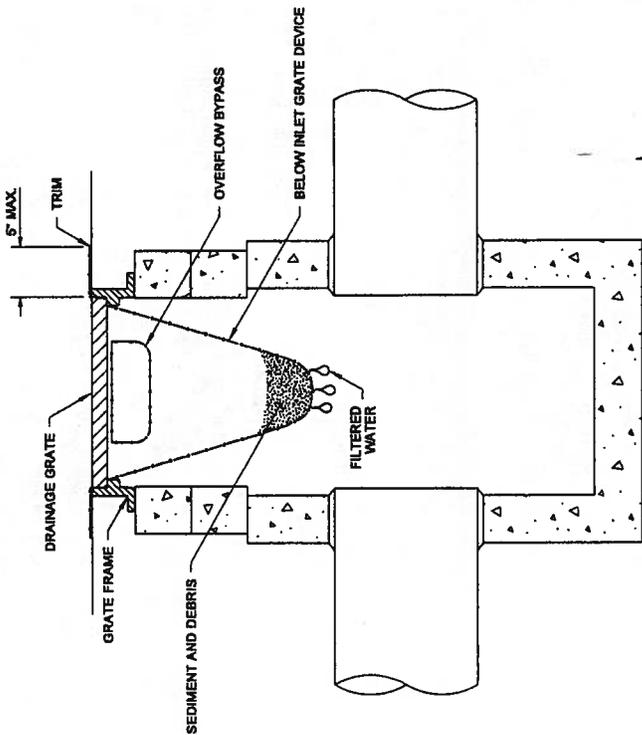
TYPE PERPENDICULAR B PAY LIMIT

ISOMETRIC VIEW

TYPE PERPENDICULAR A PAY LIMIT

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).

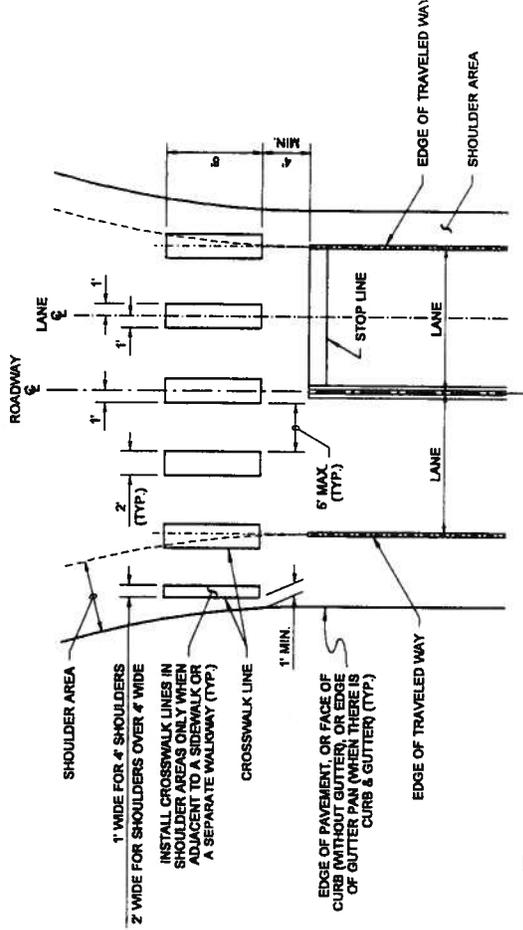


STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000596

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

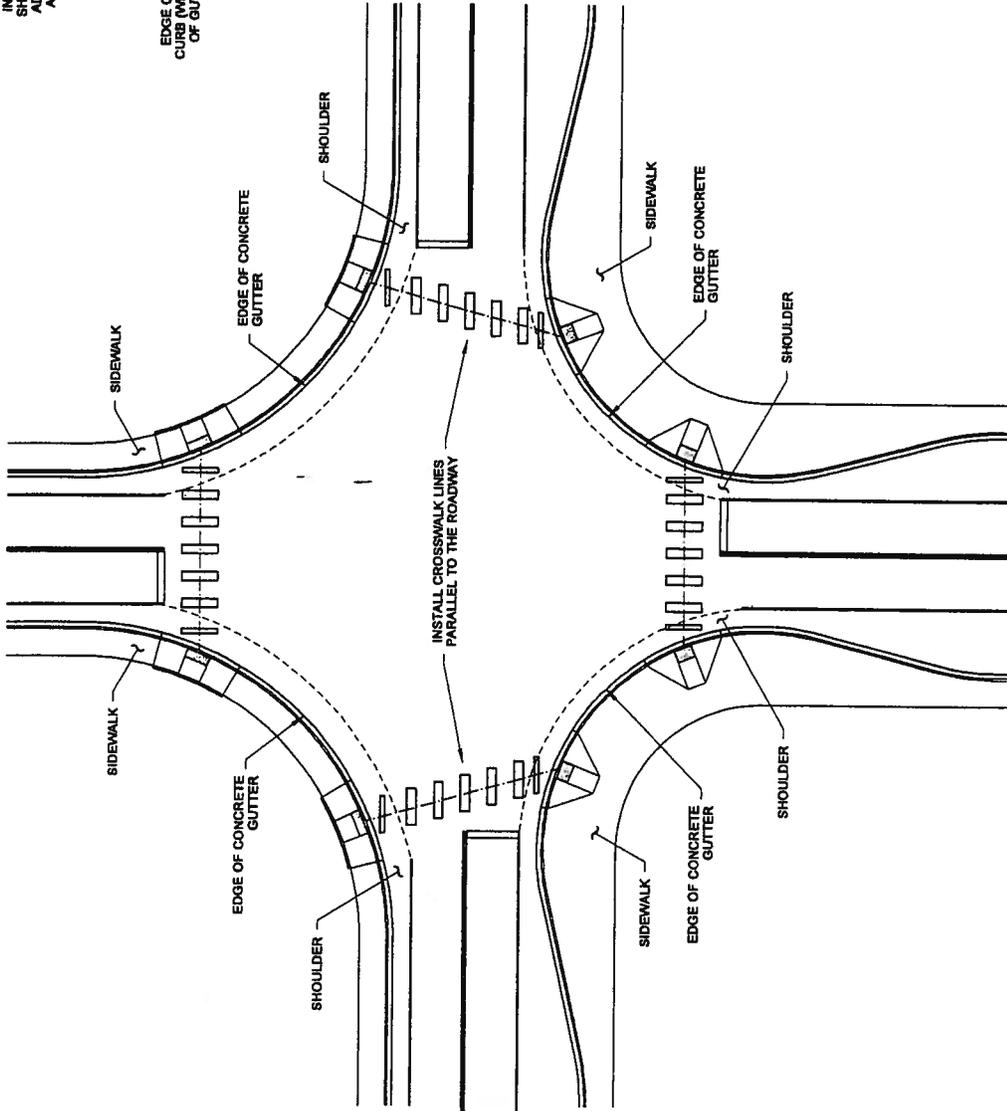
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakofich III
STATE DESIGN ENGINEER
DATE 09-20-07
Washington State Department of Transportation



DETAIL

NOTES

1. See the Contract Plans for locations of crosswalk centerlines.
2. To the maximum extent possible, curb ramp centerline should be perpendicular to the crosswalk centerline.
3. To the maximum extent possible, crosswalks should be perpendicular to the centerline of the traveled way.



TYPICAL APPLICATIONS



EXPIRES AUGUST 9, 2007

CROSSWALK LAYOUT
STANDARD PLAN M-15.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith

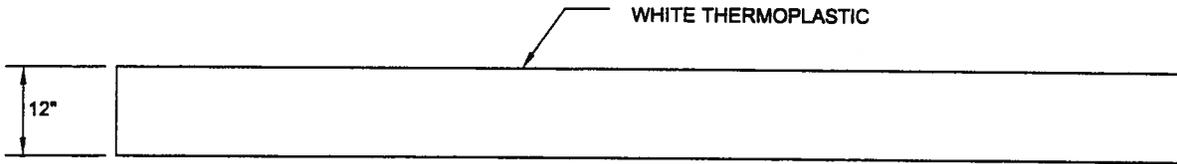
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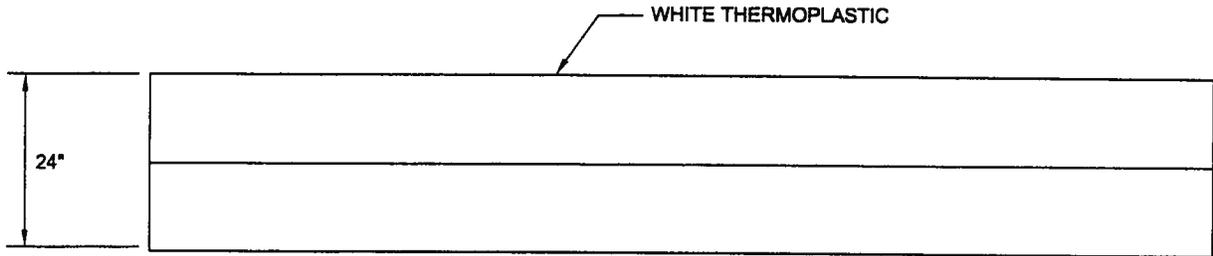
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WASTE ENGINEER
Washington State Department of Transportation

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NON-ARTERIAL



ARTERIAL



STOP BARS

Approved By:
 City Engineer
 Date: May 30, 2004

330
 Number

City of Snohomish Public Works Department

