

# CONTRACT DOCUMENTS

For Construction of:

**Library Crosswalk Rectangular Rapid Flash Beacon (RRFB)  
Improvements**

**SMALL PUBLIC WORKS PROJECT # ST2015-06**

Must be an approved contractor on the City of Ferndale's Small Works Roster in order to Bid this project:

<http://www.cityofferndale.org>



# LIBRARY CROSSWALK RRFB IMPROVEMENTS

## FERNDALE, WASHINGTON

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**BID PROCEDURES AND CONDITIONS**  
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**INVITATION TO BID  
FOR  
LIBRARY CROSSWALK RECTANGULAR RAPID FLASH BEACON (RRFB)  
IMPROVEMENTS**

**MUST BE AN APPROVED CONTRACTOR ON THE CITY OF FERNDALE'S SMALL  
WORKS ROSTER IN ORDER TO BID THIS PROJECT**

**NOTICE IS HEREBY GIVEN** by **CITY OF FERNDALE** that sealed bid proposals will be received by the City of Ferndale at Ferndale City Hall, 2095 Main Street, Ferndale, Washington, 98248, (360) 384-4006, until **January 7, 2016, at 4:00 PM**, and will then and there be opened and publicly read for the following construction work:

**PROJECT DESCRIPTION:** This contract provides for the installation of a Rectangular Rapid Flash Beacon (RRFB) Crosswalk Warning System on the east leg of the Main Street and Sterling Avenue intersection. As a result of the estimated lead time required to obtain the RRFB System and the poles for the RRFB System, the Contracting Agency shall pre-purchase the RRFB System and the poles for the RRFB System. Work will include traffic control; installation of the RRFB System; removal and replacement of existing sidewalk and ADA ramps; HMA paving; and other work in accordance with the Contract Plans, Special Provisions, the Standard Specifications, including the amendments thereto, and Standard Plans.

Additional information, copies of maps, plans, specifications, and addenda for this project will be sent by e-mail. All technical questions regarding this project are to be submitted to Luis Ponce by e-mail [luis@recivil.com](mailto:luis@recivil.com) with the subject line reading, Library Crosswalk RRFB Improvements Project.

**Pre-Bid Conference**

Due to the nature of the project, the Contracting Agency will hold one pre-bid conference for all proposal holders for this project. Subcontractors or other plan holders are encouraged to attend.

Those prospective bidders wanting to take part in the Pre-Bid Conference shall meet at the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. The meeting will start **December 30, 2015, at 10:00 AM**. A jobsite visit may follow upon request. Attendance at this Pre-Bid Conference is not mandatory.

All bid envelopes must be plainly marked on the outside, "Library Crosswalk Rectangular Rapid Flash Beacon (RRFB) Improvements Project". Sealed bids shall be received by one of the following delivery methods before **January 7, 2016, at 4:00 PM**. Any bids received after the due date and time will not be considered.

1. Hand delivered: Bids delivered in person shall be received only at the office of the City of Ferndale, Reception Desk, 2095 Main Street, Ferndale, WA 98248.
2. Via mail: Bids shall be mailed to the City of Ferndale, Attn: Toni Segerman, P.O. Box 936, Ferndale, WA 98248.

The City reserves the right to reject any or all bids if such action is in the best interest of the City. The City of Ferndale is an equal opportunity and affirmative action employer.

**BID GUARANTY:** 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 five percent (5%) of the amount of such bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond and payment bond both in an amount of 100 percent (100%) of the contract price within the time stated in the specifications, the bid proposal deposit shall be forfeited to the City of Ferndale. All bidders and subcontractors shall have a contractor's license to work in the State of Washington and a City of Ferndale Business License before starting work. All work performed on this project will be subject to prevailing state wage rates.

**BID PROPOSAL FORMS**  
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**CITY OF FERNDALE**  
**LIBRARY CROSSWALK RECTANGULAR RAPID FLASH BEACON (RRFB) IMPROVEMENTS**

( ) SECTION REFERENCE

12/14/15

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1 LUMP SUM	MOBILIZATION (1-09.7)		
			\$	\$
			per LS	
2	1 LUMP SUM	SPCC PLAN (1-07)		
			\$	\$
			per LS	
3	30 CUBIC YARD	COLD MIX MAINTENANCE (1-08)		
			\$	\$
			per CY	
4	1 LUMP SUM	REMOBILIZATION (1-09)		
			\$	\$
			per LS	
5	1 LUMP SUM	PROJECT TEMPORARY TRAFFIC CONTROL (1-10)		
			\$	\$
			per LS	
6	650 HOUR	FLAGGERS AND SPOTTERS (1-10)		
			\$	\$
			per HR	
7	30 HOUR	OTHER TRAFFIC CONTROL LABOR (1-10)		
			\$	\$
			per HR	
8	1 LUMP SUM	REMOVAL OF STRUCTURE AND OBSTRUCTION (2-02)		
			\$	\$
			per LS	
9	1,700 LINEAR FOOT-INCH	SAWCUT ACP (2-02)		
			\$	\$
			per LF-IN	
10	280 LINEAR FOOT-INCH	SAWCUT PCC (2-02)		
			\$	\$
			per LF-IN	

**CITY OF FERNDALE**  
**LIBRARY CROSSWALK RECTANGULAR RAPID FLASH BEACON (RRFB) IMPROVEMENTS**

( ) SECTION REFERENCE

12/14/15

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
11	10 CUBIC YARD	ROADWAY EXCAVATION INC. HAUL (2-03)		
			\$	\$
			per CY	
12	15 TON	CRUSHED SURFACING TOP COURSE (4-04)		
			\$	\$
			per TON	
13	40 TON	HMA CLASS 1/2" PG 64-22 (5-04)		
			\$	\$
			per TON	
14	0 CALC	JOB MIX COMPLIANCE PRICE ADJUSTMENT (5-04)		
			\$0.00	\$0.00
			CALC	
15	0 CALC	COMPACTION PRICE ADJUSTMENT (5-04)		
			\$0.00	\$0.00
			CALC	
16	150 SQUARE YARD	PLANING BITUMINOUS PAVEMENT (5-04)		
			\$	\$
			per SY	
17	1 EACH	ADJUST MANHOLE (7-05)		
			\$	\$
			per EA	
18	1 LUMP SUM	ESC LEAD (8-01)		
			\$	\$
			per LS	
19	3 EACH	INLET PROTECTION (8-01)		
			\$	\$
			per EA	
20	1 FORCE ACCOUNT	EROSION/WATER POLLUTION CONTROL (8-01)		
			\$	\$
			500.00	500.00
			FA	

**CITY OF FERNDALE**  
**LIBRARY CROSSWALK RECTANGULAR RAPID FLASH BEACON (RRFB) IMPROVEMENTS**

( ) SECTION REFERENCE

12/14/15

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
21	20 HOUR	STREET CLEANING (8-01)		
			\$	\$
			per HR	
22	1 FORCE ACCOUNT	LANDSCAPE RESTORATION (8-02)		
			\$	\$
			2,000.00	2,000.00
			FA	
23	175 LINEAR FOOT	CEMENT CONC. TRAFFIC CURB AND GUTTER (8-04)		
			\$	\$
			per LF	
24	10 SQUARE YARD	CEMENT CONC. DRIVEWAY ENTRANCE 6 IN. THICK (8-06)		
			\$	\$
			per SY	
25	0.22 HUNDRED	RAISED PAVEMENT MARKERS TYPE 1 (8-09)		
			\$	\$
			per HUN	
26	0.06 HUNDRED	RAISED PAVEMENT MARKERS TYPE 2 (8-09)		
			\$	\$
			per HUN	
27	60 SQUARE YARD	CEMENT CONC. SIDEWALK (8-14)		
			\$	\$
			per SY	
28	2 EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL A (8-14)		
			\$	\$
			per EA	
29	24 SQUARE FOOT	DETECTABLE WARNING SURFACE (8-14)		
			\$	\$
			per SF	
30	10 SQUARE YARD	TEXTURED CEMENT CONCRETE SIDEWALK (8-14)		
			\$	\$
			per SY	



**CITY OF FERNDALE**  
**LIBRARY CROSSWALK RECTANGULAR RAPID FLASH BEACON (RRFB) IMPROVEMENTS**

( ) SECTION REFERENCE

12/14/15

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
31	1 LUMP SUM	RRFB SYSTEM (8-20)		
			\$	\$
			per LS	
32	1 LUMP SUM	PERMANENT SIGNING (8-21)		
			\$	\$
			per LS	
33	80 LINEAR FOOT	PAINT LINE (8-22)		
			\$	\$
			per LF	
34	96 SQUARE FOOT	PLASTIC CROSSWALK LINE (8-22)		
			\$	\$
			per SF	
35	2 EACH	POTHOLE EXISTING UNDERGROUND UTILITY (8-30)		
			\$	\$
			per EA	
36	1 EST	REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES (8-31)		
			\$	\$
			2,500.00	2,500.00
			EST	
<b>Total \$</b>				

CITY OF FERNDALE  
Public Works Department  
P.O. Box 936  
2095 Main Street  
Ferndale, WA 98248

**BID PROPOSAL INFORMATION  
LIBRARY CROSSWALK RRFB IMPROVEMENTS  
SMALL PUBLIC WORKS PROJECT**

Whatcom County, Washington

2015

**MUST BE AN APPROVED CONTRACTOR ON THE CITY OF FERNDALE'S SMALL WORKS ROSTER TO BID THIS PROJECT: <http://www.cityofferndale.org>**

All bid envelopes must be plainly marked on the outside, "Sealed Bid, LIBRARY CROSSWALK RRFB IMPROVEMENTS # ST2015-06".

Sealed Bids will be received at the following location before the specified time:

**Bids may be hand delivered to:** City of Ferndale, Public Works Department, located at 2095 Main Street, Ferndale, WA.

**Bids may be mailed to:** City of Ferndale - Public Works Department  
Attn: Toni Segerman  
P.O. Box 936  
2095 Main Street  
Ferndale, WA 98248

The bid opening date for this project will be **January 7, 2016**. The bids will be opened and read after **4:00 PM** on this date.

**ENTIRE PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE**

**FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE**

**BID PROPOSAL**  
**FOR**  
**LIBRARY CROSSWALK RRFB IMPROVEMENTS**  
**FERNDAL, WASHINGTON**

Date: \_\_\_\_\_

TO: City of Ferndale

Gentlepersons:

This certifies that the Undersigned: has examined the location of the project site and the conditions of work; and has carefully read and thoroughly understands the contract documents entitled: "**LIBRARY CROSSWALK RRFB IMPROVEMENTS**", in Ferndale, including the "Bid Procedures and Conditions", "Specifications and Conditions", "Contract Forms", and "Plans" governing the work embraced in this project and the method by which payment will be made for said work. The Undersigned hereby proposes to undertake and complete the work embraced in this project in accordance with said contract documents, and agrees to accept as payment for said work, the schedule of lump sum and unit prices as set forth in the "Bid" below.

The Undersigned acknowledges that payment will be based on the actual work performed and material used as measured or provided for in accordance with the said contract documents, and that no additional compensation will be allowed for any taxes not included in each lump sum or unit price, and that the basis for payment will be the actual work performed and measured or provided for in accordance with the said contract documents.

## **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 have agreed to the provisions of this declaration.

### **NOTICE TO ALL BIDDERS**

To report bid rigging activities call:

**1-800-424-9071**

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

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

## BIDDER IDENTIFICATION

The name of the Bidder submitting this proposal, the address and phone number to which all communications concerned with this proposal shall be made and the number which has been assigned indicating the Bidder is licensed to do business in the State of Washington are as follows:

Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contractor's Number: \_\_\_\_\_

The Firm submitting this proposal is a \_\_\_\_\_ Sole Proprietorship  
\_\_\_\_\_ Partnership  
\_\_\_\_\_ Corporation

The names and titles of the principal officers of the corporation submitting this proposal, or of the partnership, or of all persons interested in this proposal as principals are as follows:

_____	_____
_____	_____
_____	_____
_____	_____

-----

NOTE: Signatures of this proposal must be identified above. Failure to identify the Signatories will be cause for considering the proposal irregular and for subsequent rejection of the bid.

## BID PROPOSAL SIGNATURE AND ADDENDUM ACKNOWLEDGMENT

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein. A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximation estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

- |                          |                 |   |
|--------------------------|-----------------|---|
| <input type="checkbox"/> | CASH            | IN THE AMOUNT OF _____                    |
| <input type="checkbox"/> | CASHIER'S CHECK | _____ DOLLARS                             |
| <input type="checkbox"/> | CERTIFIED CHECK | (\$_____) PAYABLE TO THE CITY OF FERNDALE |
| <input type="checkbox"/> | PROPOSAL BOND   | IN THE AMOUNT OF 5% OF THE BID.           |

Receipt is hereby acknowledged by addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_, &

**SIGNATURE OF AUTHORIZED OFFICIAL(S)**

(PROPOSAL MUST BE SIGNED)

SIGNATURE

FIRM NAME

STATE OF WASHINGTON )  
 ) ss.  
COUNTY OF WHATCOM )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally appeared \_\_\_\_\_ to me personally known to be the person described in and who executed the above instrument and who acknowledged to me the act of signing thereof.

NOTARY PUBLIC, in and for the  
State of Washington, residing at:

My Commission Expires:

**This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the City of Ferndale will be cause for considering the proposal irregular and for subsequent rejection of the bid.**

## BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we of \_\_\_\_\_, as principal, and the \_\_\_\_\_ a corporation duly organized under the laws of the State of \_\_\_\_\_ and having its principal place of business at \_\_\_\_\_, in the State of Washington, as Surety, are held and firmly bound unto the City of Ferndale, a Municipal Corporation in the State of Washington, in the full and penal sum of five percent (5%) of the total bid amount appearing on the bid proposal of said principal for the work hereinafter described, for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, jointly and severally, firmly by these presents.

The condition of this bond is such that, whereas, the principal herein is herewith submitting his or its bid proposal for, **LIBRARY CROSSWALK RRFB IMPROVEMENTS**, said bid proposal, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if the said bid proposal submitted by the said PRINCIPAL be accepted, and the contract be awarded to said PRINCIPAL, and if said PRINCIPAL shall duly make and enter into and execute said contract and shall furnish the performance bond as required by the bidding and contract documents within a period of five (5) days from and after said award, exclusive of the day of such award, then its obligation to pay the above-mentioned penal sum as liquidated damages shall be null and void, otherwise it shall remain and be in full force and effect.

SIGNED AND SEALED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

Principal

By \_\_\_\_\_ (Seal)

Surety

By \_\_\_\_\_  
Attorney-In-Fact

The Attorney-in-fact who executes this bond on behalf of the surety company, must attach a copy of his power-of-attorney as evidence of his authority.

**CONTRACT FORMS**  
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Informational



**CONTRACT  
FOR:  
LIBRARY CROSSWALK RRFB IMPROVEMENTS  
FERNDAL, WASHINGTON**

This Contract, made and entered into this \_\_\_\_ day of \_\_\_\_, 2016 by and between the City of Ferndale, 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 Contract, the parties hereto covenant and agree as follows:

1. The Contractor shall do all of the work and furnish all of the labor, materials, tools and equipment for the construction of the improvements and shall perform any changes in the work, all in full compliance with the contract documents entitled "LIBRARY CROSSWALK RRFB IMPROVEMENTS, Ferndale, Washington".
2. The "Bid Proposal", "Specifications and Conditions", "Contract Forms", and the "Plans" sections contained in said contract documents are hereby referred to and by reference made a part hereof.
3. The Owner hereby promises and agrees with the Contractor to employ, and does employ the Contractor to furnish the labor, materials, tools and equipment, and to and cause to be done the above-described work, and to complete and finish the same in accordance with the said contract documents and the terms and conditions herein contained, and hereby contracts to pay for the same, according to the said contract documents, including the schedule of estimated quantities, and unit and lump sum prices in the Bid Proposal, the approximate sum of \_\_\_\_\_, the total amount of bid, subject to the actual quantity of work performed, at the time and in the manner and upon the conditions provided for in this contract.
4. The Contractor for himself, and for his agents, successors, assigns, subcontractors and/or employees, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. The Owner hereby appoints and the Contractor hereby accepts Reichhardt & Ebe Engineering, Inc., hereinafter referred to as the Engineer, as the City's representative for the purpose of administering the provisions of this Contract, including the Owner's right to receive and act on all reports and documents related to this Contract, to request and receive additional information from the Contractor, to assess the general performance of the Contractor under this Contract, to determine if the contracted services are being performed in accordance with Federal, State or local laws, and to administer any other right granted to the Owner under this Contract. The Owner expressly reserves the right to terminate this

Contract as provided in the contract documents, and also expressly the reserves the right to commence civil action for the enforcement of this contract.

6. This Contract contains terms and conditions agreed upon by the parties. The parties agree that there are no other understandings, oral or otherwise, regarding the subject matter of this Contract.
7. The Contractor agrees to comply with all applicable Federal, State, City or municipal standards for the licensing, certification, operation of facilities and programs, and accreditation and licensing of individuals.
8. The Contractor shall not assign or subcontract any portion of the work provided for under the terms of this Contract without obtaining prior written approval of the Engineer. All terms and conditions of this Contract shall apply to any approved subcontract or assignment related to this Contract.
9. The parties intend that an independent Contractor-Owner relationship will be created by this Contract. The Owner is interested only in the results to be achieved, the implementation of the work will lie solely with the Contractor. The Contractor will be solely and entirely responsible for its acts and for the acts of its agents, employees, servants, subcontractors, or otherwise during the performance of this Contract. In the performance of the work herein contemplated, the Contractor is an independent Contractor with regard to the performance of the details of the work; however, the components of and the results of the work contemplated herein must meet the approval of the Engineer and shall be subject to the Engineer's general rights of inspection and review to secure the satisfactory completion thereof.
10. The Contractor agrees and covenants to indemnify, defend, and save harmless, the Owner and the City of Ferndale and those persons who were, now are, or shall be duly elected or appointed officials or members of employees thereof, hereinafter referred to as the "Owner" or "City" against and from any loss, damage, costs, charge, expense, liability, claims, demands or judgments, of whatsoever kind or nature, whether to persons or to property, arising wholly or partially out of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees, except only such injury or damage as shall have been caused by or resulted from the sole negligence of the City. In case any suit or cause of action shall be brought against the Owner or the City on account of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees the Contractor hereby agrees and covenants to assume the defense thereof and to pay any and all costs, charges, attorney's fees and other expenses and any and all judgments that may be incurred or obtained against the City.

In the event the Owner is required to institute legal action and/or participate in the legal action to enforce this Indemnification and Hold Harmless Clause, the Contractor agrees to pay the Owner or City's legal fees, costs and disbursements incurred in establishing the right to indemnification. If the claim, suit, or action for injuries, death, or damages as

provided for in the preceding paragraphs of this specification is caused by or results from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the indemnitor or the indemnitor's agents for employees the indemnity provisions provided for in the preceding paragraphs of this specification shall be valid and enforceable only to the extent of the indemnitor's negligence.

Contractor hereby specifically and expressly waives any immunity under Industrial Insurance, Title 51 RCW and acknowledges that this waiver was mutually negotiated by the parties herein. In the event of litigation between the parties to enforce the rights under this paragraph, reasonable attorney's fees shall be allowed to the prevailing party.

11. This Contract has been and shall be construed as having been made and delivered within the State of Washington and it is mutually understood and agreed by each party hereto that this Contract shall be governed by the laws of the State of Washington, both as to interpretation and performance. Any action in law, suit and equity or judicial proceedings for the enforcement of this contract, or any provisions thereof, shall be instituted and maintained in the courts of competent jurisdiction located in City of Ferndale, Washington.
12. The failure of the Owner to insist upon strict performance of any of the covenants and agreements of this Contract or to exercise any option herein conferred in any one or more instances shall not be construed to be a waiver or relinquishment of any such, or any other covenants or agreements, but the same shall be and remain in full force and effect.
13. It is understood and agreed by the parties hereto that if any part of this agreement is determined to be illegal, the validity of the remaining portions shall be construed as if the agreement did not contain the particular illegal part.
14. No change or addition to this Contract shall be valid or binding upon either party unless such change or addition shall be in writing, executed by both parties.
15. In the event that funding from State, Federal, or other sources is withdrawn, reduced, or limited in any way after the effective date of this Agreement, and prior to its normal completion, the Owner may summarily terminate this Agreement as to the funds withdrawn, reduced, or limited notwithstanding any other termination provisions of this Agreement. If the level of funding withdrawn, reduced or limited is so great that the Owner deems that the continuation of the programs covered by this Agreement is no longer in the best interest of the City, the Owner may summarily terminate this Agreement in whole notwithstanding any other termination of this Agreement. Termination under this section shall be effective upon receipt of written notice as specified herein.

IN WITNESS WHEREOF, the Contractor has executed this instrument, on the day and year first below written and the Owner has caused this instrument to be executed by and in the name of the said County, the day and year first above written.



**PERFORMANCE BOND**  
**to the**  
**City of Ferndale**

**KNOW ALL MEN BY THESE PRESENTS**, That we \_\_\_\_\_ the Contractor named in the Contract hereinafter referred to as PRINCIPAL, and \_\_\_\_\_ as SURETY, are jointly and severally held and firmly bound to the City of Ferndale, hereinafter referred to as OWNER named in said Contract LIBRARY CROSSWALK RRFB IMPROVEMENTS, Ferndale, Washington, for the penal sum of, \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, assigns, administrators and successors jointly and severally, firmly by these presents.

**THE CONDITION OF THIS OBLIGATION IS SUCH**, that Whereas, the Principal entered into a contract with the Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_, 2016, for such construction work with the City of Ferndale, Washington.

**NOW, THEREFORE**, if the Principal shall well, truly and faithfully perform all of the provisions and fulfill all of the undertakings, covenants, terms, conditions and agreements of said contract during the period of the original contract and any extensions thereof that may be granted by the Owner, with or without notices to the surety; and during the life of any guaranty required under the contract; and shall also well and truly perform and fulfill all of the undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said contract that may hereafter be made; notice of which modifications to the surety being hereby waived, shall indemnify and save harmless owner from all cost and damage by reason of the principal's default of failure to do so, and shall pay the State of Washington sales and use taxes, and amounts due said state pursuant to Titles 50 and 51 of the Revised Code of Washington then this obligation to be void, otherwise to remain in full force and effect.

**IN WITNESS WHEREOF**, the above bonded parties have executed this instrument under their separate seals this \_\_\_\_\_ day of \_\_\_\_\_, 2016, the name and corporate seal of each corporate party hereto affixed, and these presents duly signed by its undersigned representatives pursuant to authority of its governing body.

Corporate Seal:

\_\_\_\_\_  
PRINCIPAL

ATTEST: (If Corporation)

By: \_\_\_\_\_

Title: \_\_\_\_\_

Corporate Seal:

\_\_\_\_\_  
SURETY

By: \_\_\_\_\_

Title: \_\_\_\_\_

Informational

**PAYMENT BOND**  
**to the**  
**City of Ferndale**

**KNOW ALL MENT BY THESE PRESENTS: that**

\_\_\_\_\_  
(Name of Contractor)

\_\_\_\_\_  
(Address of Contractor)

a \_\_\_\_\_, hereinafter called Principal,  
(Corporation, Partnership or Individual)

and \_\_\_\_\_  
(Name of Surety)

\_\_\_\_\_  
(Address of surety)

hereinafter called **SURETY**, are held and firmly bound unto \_\_\_\_\_

\_\_\_\_\_  
(Name of Owner)

\_\_\_\_\_  
(Address of Owner)

hereinafter called **OWNER**, in the penal sum of \_\_\_\_\_ Dollars, \$(\_\_\_\_\_) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

**THE CONDITION OF THIS OBLIGATION** is such that whereas, the Principal entered into a certain contract with the **OWNER**, dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, a copy of which is hereto attached and made a part hereof for the construction of:

**NOW, THEREFORE**, if the Principal shall promptly make payment to all persons, firms, **SUBCONTRACTORS**, and corporations furnishing materials for or performing labor in the prosecution of the **WORK** provided for in such contract, and any authorized extension or modification thereof including all amounts due for materials, lubricants, oil, gasoline, coal, and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such **WORK**, and all Insurance premiums on said **WORK**, and for all labor, performed in such **WORK** whether by **SUBCONTRACTOR** or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

**PROVIDED, FURTHER**, that the said **SURETY** for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the **WORK** to be performed thereunder or the **SPECIFICATIONS** accompanying the same shall in any wise affect its obligation on this **BOND**, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to

the **WORK** or to the **SPECIFICATIONS**.

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

**IN WITNESS WHEREOF**, this instrument is executed in \_\_\_\_\_ counterparts, each on of which  
(number)  
shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_

**ATTEST:**

\_\_\_\_\_  
Principal  
\_\_\_\_\_  
(Principal) Secretary

(SEAL) By \_\_\_\_\_ (s)

\_\_\_\_\_  
(Address)  
\_\_\_\_\_

\_\_\_\_\_  
Witness as to Principal

\_\_\_\_\_  
(Address)  
\_\_\_\_\_

\_\_\_\_\_  
(Surety)

**ATTEST:**

By \_\_\_\_\_  
(Attorney –in-Fact)

\_\_\_\_\_  
Witness as to Surety (Address

\_\_\_\_\_  
(Address)

**NOTE:** Date of **BOND** must not be prior to date of Contract.

If **CONTRACTOR** is Partnership, all partners should execute **BOND**.

**IMPORTANT:** Surety companies executing **BONDS** must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the **PROJECT** is located.



**CITY OF FERNDAL  
RETAINAGE INVESTMENT OPTION**

CONTRACTOR: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

Pursuant to Chapter 60.28 RCW, you may choose how your retainage under this contract will be held and invested. Please complete and sign this form indicating your preference. If you fail to do so, the City of Ferndale (City) will hold your retain age as described in "Current Expense", option 1 below.

- \_\_\_\_\_ 1. Current Expense: The City will retain your money in its Current Expense Fund Account until thirty days following final acceptance of the improvement or work as completed. You will not receive interest earned on this money.
- \_\_\_\_\_ 2. Interest Bearing Account: The City will deposit retainage checks in an interest-bearing account in a bank, mutual savings bank, or savings and loan association, not subject to withdrawal until after the final acceptance of the improvement or work as completed or until agreed to by both parties. Interest on the account will be paid to you.

**BONDS AND SECURITIES ACCEPTABLE BY THE CITY OF FERNDAL:**

1. Bills, certificates, notes or bonds of the United States.
2. Other obligations of the United States or its agencies.
3. Indebtedness of the Federal national Mortgage Association.
4. Time Deposits in commercial banks.

Designate below the type of investment selected:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- \_\_\_\_\_ 3. Bond-in-Lieu: With the consent of the City, the contractor may submit a bond for all or any portion of the amount of funds retained by the City in a form acceptable to the City and from a bonding company meeting standards established by the City, if any. Unless otherwise indicated, the contractor elects to submit a bond for the entire 5% retainage amount. Such bond and any proceeds there from shall be made subject to all claims and liens and in the same manner and priority as set forth for retained percentages in Chapter 60.28 RCW. Whenever the City accepts a bond-in-lieu of retained funds from a contractor, the contractor shall accept like bonds from any subcontractors or suppliers from which the contractor has retained funds. The contractor shall then release the funds retained from the subcontractor or supplier, to the subcontractor or supplier, within thirty days of the contractor's receipt of the retained funds from the City.

Retainage is normally released 30 - 45 days after final acceptance of work by the City, or following receipt Employment Security / Department of Revenue clearance, whichever takes longer.

\_\_\_\_\_  
(Contractor's Signature)

\_\_\_\_\_  
Date

Title: \_\_\_\_\_

Name of Bank: \_\_\_\_\_

Bank Address: \_\_\_\_\_

Bank Telephone Number: \_\_\_\_\_

Bank Account Number: \_\_\_\_\_

Informational

**SPECIFICATIONS AND CONDITIONS**

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**LIBRARY CROSSWALK RECTANGULAR RAPID  
FLASH BEACON (RRFB) IMPROVEMENTS  
CITY OF FERNDALE, WASHINGTON  
City Project Number ST2015-06**

Specifications & Conditions  
Drawings

**Plans Provided for:**

City of Ferndale  
**Kevin Renz, Public Works Director**  
2095 Main Street  
Ferndale, WA 98248  
Phone: (360) 384-4006

**Engineer:**

Reichhardt & Ebe Engineering, Inc.  
**423 Front Street**  
**Lynden, WA 98264**  
**Phone: (360) 354-3687**  
**Fax: (360) 354-0407**

**LIBRARY CROSSWALK RECTANGULAR RAPID FLASH  
BEACON (RRFB) IMPROVEMENTS  
CITY OF FERNDALE, WASHINGTON  
City Project Number ST2015-06**

**Contract Provisions  
Professional Engineer Approvals**

Provisions for Sections 8-20 and 9-29 of these Special Provisions shall be deemed approved by the signature and stamp below:



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Approved

All Provisions other than Sections 8-20 and 9-29 of these Special Provisions shall be deemed approved by signature and stamp below:



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Approved

## **INTRO.AP1**

### **INTRODUCTION**

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

### **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

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.

## **1-01.AP1**

### **Section 1-01, Definitions and Terms August 3, 2015**

#### **1-01.3 Definitions**

The definition for “**Engineer**” is revised to read:

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

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.

The following new term and definition is inserted after the definition for “**Proposal Form**”:

**Reference Information** – Information provided to the Contractor by the Contracting Agency that is not part of the Contract.

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.

## **1-02.AP1**

### **Section 1-02, Bid Procedures and Conditions August 3, 2015**

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

The third paragraph is revised to read:

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

### **1-02.9 Delivery of Proposal**

This section is revised to read:

For projects scheduled for Bid opening in Olympia, the Proposal shall be sealed and submitted in the envelope provided with it to the address below or shall be submitted electronically via Trns·Port Expedite® software and BidExpress®. The Bidder shall fill in all blanks on this envelope to ensure proper handling and delivery. Bids are to be received no later than until 11:00:59 A.M. Pacific time on the date of Bid opening:

Washington State Department of Transportation  
Room 2D20  
310 Maple Park Avenue SE  
Olympia WA 98501-2361

For projects scheduled for Bid opening in other locations the Proposal shall be sealed and submitted in the envelope provided with it at the location and time identified in the Special Provisions. The Bidder shall fill in all blanks on this envelope to ensure proper handling and delivery.

Proposals that are received as required will be publicly opened and read as specified in Section 1-02.12. The Contracting Agency will not open or consider any Proposal when the Proposal or Bid deposit is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals.

When a Bid deposit is furnished in a physical format as specified in Section 1-02.7 the Bid deposit shall be submitted in a sealed envelope marked as “BID SUPPLEMENT” and with the Bidder’s company name, project title, and Bid date.

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

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

Unless specifically allowed in the Contract, emailed requests to withdraw, revise, or supplement a Proposal are not acceptable.

### **1-02.13 Irregular Proposals**

This section is revised to read:

1. A Proposal will be considered irregular and may be rejected if:
  - a. The Bidder is not prequalified;
  - b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
  - c. A price per unit cannot be determined from the Bid Proposal;
  - d. The Proposal form is not properly executed;

- e. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
  - f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Utilization Certification, if applicable, as required in Section 1-02.6;
  - g. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed Disadvantaged Business Enterprise Utilization Certification that they are in agreement with the Bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
  - h. The Bidder fails to submit Disadvantaged Business Enterprise 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; or
  - i. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.
2. A Proposal may be considered irregular and may be rejected if:
- a. The Proposal does not include a unit price for every Bid item;
  - b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
  - c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
  - d. The completed Proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
  - e. Receipt of Addenda is not acknowledged;
  - f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
  - g. If Proposal form entries are not made in ink.

## **1-03.AP1**

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

#### **1-03.3 Execution of Contract**

The first paragraph is revised to read:

Within 20 calendar days after the Award date, the successful Bidder shall return the signed Contracting Agency-prepared Contract, an insurance certification as required by Section 1-07.18,



and a satisfactory bond as required by law and Section 1-03.4, and shall be registered as a contractor in the state of Washington.

#### **1-03.4 Contract Bond**

The last word of item 3 is deleted.

Item 4 is renumbered to 5.

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

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

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

The first sentence is revised to read:

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

### **1-04.AP1**

#### **Section 1-04, Scope of the Work**

**August 3, 2015**

#### **1-04.3 Vacant**

This section, including title, is revised to read:

##### **1-04.3 Reference Information**

Reference Information provided to the Contractor is not part of the Contract. The Contracting Agency does not guarantee the accuracy of the Reference Information and is not responsible for the content of the Reference Information in any manner. Any use of Reference Information by the Contractor is done solely at the Contractor's risk.

#### **1-04.4 Changes**

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

- A. When the character of the Work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
- B. When an item of Work, as defined elsewhere in the Contract, is increased in excess of 125 percent or decreased below 75 percent of the original Contract quantity. For the purpose of this Section, an item of Work will be defined as any item that qualifies for adjustment under the provisions of Section 1-04.6.

The following two new sentences are inserted at the beginning of the eighth paragraph:

Within 14 calendar days of delivery of the change order the contractor shall endorse and return the change order, request an extension of time for endorsement or respond in accordance with Section 1-

04.5. The Contracting Agency may unilaterally process the change order if the Contractor fails to comply with these requirements.

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.  $(\text{gross cost of deleted work}) - (\text{gross cost of added work}) = (\text{gross savings})$
2.  $(\text{gross savings}) - (\text{Contractor's engineering costs}) - (\text{Contracting Agency's costs}) = (\text{net savings})$
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.
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.

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.

#### **1-04.4(1) Minor Changes**

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

Payments or credits for changes amounting to \$25,000 or less may be made under the Bid item "Minor Change".

#### **1-04.5 Procedure and Protest by the Contractor**

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

The Contractor accepts all requirements of a change order by: (1) endorsing it, (2) writing a separate acceptance, (3) not responding within the allotted time as outlined in Section 1-04.4, or (4) not protesting in the way this Section provides.

### **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:

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

All Working Drawings shall be considered Type 3 Working Drawings except as specifically noted otherwise in the Contract. Unless designated otherwise by the Contractor, submittals of Working Drawings will be reviewed in the order they are received by the Engineer. In the event that several Working Drawings are received simultaneously, the Contractor shall specify the sequence in which

they are to be reviewed. If the Contractor does not submit a review sequence for simultaneous Working Drawing submittals, the review sequence will be at the Engineer's discretion.

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

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

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

Unit Bid prices shall cover all costs of Working Drawings.

## **1-06.AP1**

### **Section 1-06, Control of Material**

**August 3, 2015**

#### **1-06.1(4) Fabrication Inspection Expense**

This section is revised to read:

In the event the Contractor elects to have items fabricated beyond 300 miles from Seattle, Washington, the Contracting Agency will deduct from monies due or that may become due to the Contractor all costs to perform plant approval and fabrication acceptance inspection for the items listed in Table 1 and costs for initial plant approval for items listed in Table 2. Plants currently listed on the QPL for the items shown in Table 1 and Table 2 in this section do not require plant approval.

**Table 1: Items Requiring Plant Approval and Fabrication Acceptance Inspection**

Anchor Bolts (ASTM A449 & F1554 Grade 105)	Precast Concrete Vaults (Electrical, Utility, Drainage, etc.)
Bridge Bearings (Cylindrical, Disc, Fabric Pad, Low Rise, Pin, Pendulum, and Spherical)	Precast Concrete Girders and Precast Bridge Components
Cattle Guards	Prestressed Concrete Girders
Coated Piling and Casing	Prestressed Concrete Panels
Epoxy-Coated Reinforcing Steel	Precast Reinforced Concrete Box Culverts
Fabricated / Welded Miscellaneous Metal Drainage Items: Grate Inlets, and Drop Inlets	Precast Reinforced Concrete Split Box Culverts
Longitudinal Seismic Restainers	Precast Reinforced Concrete Three Sided Structures
Metal Bridge Railing and Handrail	Prestressed Concrete Piles
Metal Castings for Concrete Drainage, electrical, and Utility Items	Retrofit Guardrail Posts with Welded Base Plates

Modular Expansion Joints	Signal Standards
Paint & Powder Coating Facilities for Table 1 items	Signing Material
Precast Concrete Bridge Deck Panels	Sign Structures – Cantilever , Sign Bridge, and Bridge Mounted, Roadside Type PLT / PLU
Precast Concrete Catch Basins, Manholes, Inlets, Drywells, and Risers	Soldier Piles
Precast Concrete Drain, Perforated Underdrain, Culvert, Storm Sewer, and Sanitary Sewer Pipe	Steel Bridges and Steel Bridge Components
Precast Concrete Floor Panels	Steel Column Jackets
Precast Concrete Junction Boxes, Pull Boxes, Cable Vaults	Steel Light Standards, and High Mast Light Poles
Precast Concrete Marine Pier Deck Panels	Strip Seal Expansion Joints
Precast Concrete Pier Caps	Structural Steel for Ferry Terminal Berthing, Pedestrian and Vehicle Loading Structures
Precast Concrete Retaining Walls, including Lagging Panels	Timber Bridges
Precast Concrete Roof Panels	Treated Timber and Lumber 6 inch by 6 inch or larger
Precast Concrete Structural Earth Walls, Noise Barrier Walls, Wall Panels, and Wall Stem Panels	Welded Structural Steel (Miscellaneous)
Precast Concrete Traffic Barrier	

Table 2: Items Requiring Initial Plant Approval Only

Epoxy Coating of Dowels and Tiebars for Concrete Pavement	Precast Concrete Blocks for Structural Earth Walls
Guardrail Posts and Blocks	Steel Pipe Piling

The deductions for fabrication inspection costs will be as shown in the Payment Table below.

Zone	Place of Fabrication or Inspection Site	Reduction in Payment
1	Within 300 airline miles from Seattle	None*
2	Between 300 and 3,000 airline miles from Seattle	\$700.00 per inspection day**
3	Over 3,000 airline miles from Seattle	\$1,000 per inspection day,** but not less than \$2,500 per trip
<p>* Fabrication inspection expense does not apply for initial acceptance inspection in Zone 1. Re-inspection of items due to unacceptable workmanship or scheduling errors made by the Contractor, fabricator, or facility applying protective coatings will be assessed at \$60.00 per hour but not less than \$120.00 per inspection.</p> <p>** An inspection day includes any calendar day or portion of a calendar day spent by one inspector inspecting, on standby, or traveling to and from, a place of fabrication. An additional cost per inspection day will be assessed for each additional inspector. Reimbursement will be assessed at \$280.00 per day for weekends and holidays for each on site inspector in travel status, but not engaged in inspection or travel activities when fabrication activities are not</p>		



taking place.
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Where fabrication of an item takes place in more than one zone, the reduction in payment will be computed on the basis of the entire item being fabricated in the farthest of zones where any fabrication takes place on that item.

The rates for Zones 2 and 3 shall be applied for the full duration of time for all fabrication inspection activities, to include, but not be limited to: plant approvals, prefabrication meetings, fabrication, coatings, and final inspection. When an inspection is for more than one Contract the fabrication inspection costs shall be prorated as determined by the Engineer.

## **1-07.AP1**

### **Section 1-07, Legal Relations and Responsibilities to the Public August 3, 2015**

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

The third paragraph is supplemented with the following:

A copy of all safety plans (e.g., fall protection work plan) that are developed by the Contractor shall be submitted to the Engineer as a Type 1 Working Drawing. When requested by the Engineer, the Contractor shall provide training to WSDOT employees working on-site for any activity covered by a safety plan. Costs for training that is provided solely to Contracting Agency employees will be paid to the Contractor in accordance with Section 1-09.4.

#### **1-07.2 State Taxes**

This section is revised to read:

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 Contracting Agency will not adjust its payment if the Contractor bases a Bid on a misunderstood tax liability.

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

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

This section including title is revised to read:

##### **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.

### **1-07.15 Temporary Water Pollution/Erosion Control**

This section's title is revised to read:

#### **1-07.15 Temporary Water Pollution Prevention**

This section's content is deleted.

### **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**

**August 3, 2015**

### **1-08.1 Subcontracting**

The eighth paragraph is revised to read:

On all projects, the Contractor shall certify to the actual amounts paid to Disadvantaged, Minority, Women's, or Small Business Enterprise firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This Certification shall be submitted to the Project Engineer on a monthly basis each month between Execution of the Contract and Physical Completion of the Contract using the application available

at: <https://remoteapps.wsdot.wa.gov/mapsdata/tools/dbeparticipation>. The monthly report is due 20 calendar days following the end of the month. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

The ninth paragraph is deleted and replaced with the following new paragraph:

The Contractor shall comply with the requirements of RCW 39.04.250, 39.76.011, 39.76.020, and 39.76.040, in particular regarding prompt payment to Subcontractors. Whenever the Contractor withholds payment to a Subcontractor for any reason including disputed amounts, the Contractor shall provide notice to the Subcontractor with a copy to the Contracting Agency identifying the reason for the withholding and a clear description of what the Subcontractor must do to have the withholding released. Following receipt of a progress payment from the Contracting Agency, a Monthly Payment Summary form shall be submitted to the Engineer in PDF format within 20 calendar days. The Monthly Payment Summary shall include all Subcontractors that completed Work that was paid on the progress estimate by the Contracting Agency. Retainage withheld by the Contractor prior to completion of the Subcontractors work is exempt from reporting as a payment withheld and is not included in the withheld amount. The Monthly Payment Summary form is available from the Engineer. The Contracting Agency's copy of the notice to Subcontractor for deferred payments shall be submitted with the Monthly Payment Summary.

#### **1-08.1(1) Subcontract Completion and Return of Retainage Withheld**

This section is revised to read:

The following procedure shall apply to all subcontracts entered into as a part of this Contract:

##### **Requirements**

1. Upon request, the Engineer will provide a copy of any or all progress payment estimates, with regard to contract payments to any interested party to the project.
2. The Contractor shall make payment to the Lower Tier Subcontractor not later than ten calendar days after receipt of payment for work satisfactorily completed by the Lower Tier Subcontractor, to the extent of the Lower Tier Subcontractor's interest therein.
3. In the event the Contractor believes they have the right under the Contract or Subcontract to withhold payment in part or whole from a Lower Tier Subcontractor they shall provide immediate notification to that Lower Tier Subcontractor and the Engineer. The notice shall include an accounting of payments to date, the value and reason for the withheld amount, and an explanation of what must be done to have the withheld amount released. The Lower Tier Subcontractor shall be paid within eight calendar days after the Subcontractor completes the remedial action identified.
4. Every subcontract and lower tier subcontract shall have a dispute resolution process incorporated for resolving issues between the parties to the subcontract, or one shall be established as necessary.
5. If the parties agree, the WSDOT will make a third party neutral available provided the parties to the dispute agree that the cost of doing so is split between them.
6. The Engineer will withhold the same amount of funds from the Contractor as was withheld if the issue is not resolved by the next progress estimate.

7. Failure by a Contractor or Subcontractor to comply with these requirements may result in one or more of the following:
  - a) Reflected in the Prime Contractor's Performance Evaluation.
  - b) Cancellation, termination or suspension of the Contract, in whole or in part.
  - c) Sanctions as provided by the Contract; subcontract; or by law under applicable prompt payment statutes including RCW 39.04.250.
8. The Subcontractor shall make a written request to the Contractor for the release of the Subcontractor's retainage or retainage bond.
9. Within 10 calendar days of the request, the Contractor shall determine if the subcontract has been satisfactorily completed including any required lien releases, documentation and material testing and shall inform the Subcontractor, in writing, of the Contractor's determination.
10. If the Contractor determines that the subcontract has been satisfactorily completed, the Subcontractor's retainage or retainage bond shall be released by the Contractor within 10 calendar days from the date of the written notice. If the Contractor determines that the Subcontractor has not achieved satisfactory completion of the subcontract, the Contractor must provide the Subcontractor with written notice, stating specifically why the subcontract Work is not satisfactorily completed and what has to be done to achieve completion. The Contractor shall release the Subcontractor's retainage or retainage bond within 10 calendar days after the Subcontractor has satisfactorily completed the Work identified in the notice.
11. In determining whether satisfactory completion has been achieved, the Contractor may require the Subcontractor to provide documentation such as certifications and releases, showing that all laborers, lower-tiered Subcontractors, suppliers of material and equipment, and others involved in the Subcontractor's Work have been paid in full. The Contractor may also require any documentation from the Subcontractor that is required by the subcontract or by the Contract between the Contractor and Contracting Agency or by law such as affidavits of wages paid, material acceptance certifications and releases from applicable governmental agencies to the extent that they relate to the Subcontractor's Work.
12. If the Contractor fails to comply with the requirements of the Specification and the Subcontractor's retainage or retainage bond is wrongfully withheld, the Subcontractor may seek recovery against the Contractor under applicable prompt pay statutes in addition to any other remedies provided for by the subcontract or by law.

**Conditions**

1. 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.
2. This Section of the Contract does not apply to retainage withheld by the Contracting Agency from monies earned by the Contractor. The Contracting Agency shall continue to

process the release of that retainage based upon the Completion Date of the project as defined in Section 1-08.5 Time for Completion and in accordance with the requirements and procedures set forth in RCW 60.28.

**Payment**

The Contractor shall be solely responsible for any additional costs involved in paying retainage to the Subcontractors prior to total project completion. Those costs shall be incidental to the respective Bid items.

**1-09.AP1**

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

**1-09.6 Force Account**

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

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

**1-10.AP1**

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

**1-10.1(1) Materials**

The following material reference is deleted from this section:

Barrier Drums      9-35.8

**1-10.1(2) Description**

The first paragraph is revised to read:

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

**1-10.2(1) General**

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

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

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

The first paragraph is revised to read:

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

The last paragraph is revised to read:

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

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

The first paragraph is revised to read:

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

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

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

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

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

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

In the third paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

In the fourth paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

In the fifth paragraph, “NCHRP 350” is revised to read “NCHRP 350 or MASH”.

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

The first paragraph is revised to read:

The Contractor shall furnish all personnel for flagging, for the execution of all procedures related to temporary traffic control and for 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.

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

This section’s title is revised to read:

##### **Flaggers**

The first paragraph is revised to read:

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

The last paragraph is deleted.

### **1-10.3(1)B Other Traffic Control Labor**

This section is revised to read:

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

### **1-10.3(3)B Sequential Arrow Signs**

This section is supplemented with the following:

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

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

This section is revised to read:

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

### **1-10.3(3)F Barrier Drums**

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

#### **1-10.3(3)F Vacant**

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

The fifth paragraph is revised to read:

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

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

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

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

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

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

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

This section is deleted and replaced with the following:

“Traffic Control Supervisor”, 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 1-10.2(1)B.

“Pedestrian Traffic Control”, lump sum.

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

“Flaggers”, 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 defined in Section 1-10.3(1)A.

“Other Traffic Control Labor”, 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 labor costs incurred by the Contractor in performing the Work specified for this item in Section 1-10.4(2).

“Construction Signs Class A”, per square foot.

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)A. In the event that “Do Not Pass” and “Pass With Care” signs must be left in place, a change order, as described in Section 1-04.4, will be required. When the Bid Proposal contains the item “Sign Covering”, then covering those signs indicated in the Contract will be measured and paid according to Section 8-21.

“Sequential Arrow 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 described in Section 1-10.3(3)B.

“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.

## **2-01.AP2**

### **Section 2-01, Clearing, Grubbing, and Roadside Cleanup August 3, 2015**

#### **2-01.2 Disposal of Usable Materials and Debris**

This section is revised to read:

The Contractor shall meet all requirements of state, county, and municipal regulations regarding health, safety, and public welfare in the disposal of all usable material and debris.

The Contractor shall dispose of debris by one or more of the disposal methods described below.

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

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

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

## **2-03.AP2**

### **Section 2-03, Roadway Excavation and Embankment August 3, 2015**

#### **2-03.1 Description**

The first paragraph is supplemented with the following:

The Work includes the removal of pavement, sidewalks, curbs and gutters as described in Section 2-02 when these items lie within an excavation area.

#### **2-03.3 Construction Requirements**

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

##### **2-03.3(19) Removal of Pavement, Sidewalks, Curbs, and Gutters**

The requirements of Section 2-02.3(3) shall also apply when pavements, sidewalks, curbs, and gutters lie within an excavation.

##### **2-03.3(1) Widening of Cuts**

This section is revised to read:

If routine cuts do not supply enough material to form the embankment, the Contractor shall obtain more material from areas inside or outside the Right of Way and/or from widening one or both sides of existing cuts as determined by the Engineer. The Contractor shall dress the sides of the cuts to any slopes the Engineer may require. If the Contractor has dressed a cut before the Engineer determines to widen it, the Contracting Agency will pay for the resloping as provided in Section 1-04.4. In addition, material obtained from areas beyond the cuts shown in the Plans that result in additional haul will be paid by the Contracting Agency as provided in Section 1-04.4.

##### **2-03.3(14) Embankment Construction**

The third paragraph is revised to read:

**Hillside Terraces** – The Contractor shall terrace the original ground or embankment when the slope of the surface is 2H:1V or steeper unless otherwise directed by the Engineer. The face of each terrace shall be a minimum of 1 foot and a maximum of 5 feet in height and shall be vertical or near vertical as required to remain stable during material placement and compaction. The bench of the terrace shall slope outward to drain and shall not be inclined steeper than 0.05 foot per foot. Terraces damaged during work shall be reestablished. The Engineer may order the Contractor to place gravel backfill, pipe drains or both to drain any seepage.

##### **2-03.3(14)C Compacting Earth Embankments**

The last nine paragraphs are deleted and replaced with the following three new paragraphs:

**Moisture Content** – The Contractor shall adjust moisture content during compaction to produce a firm, stable and unyielding embankment. The embankment shall be free from pumping and rutting due to excessive moisture and is the Contractor's responsibility to manage and adjust as necessary.

The Contracting Agency will consider all costs for drying embankment material to be incidental to other Work, including excessive moisture due to inclement weather. If, however, the Contract includes an aeration item, the Contracting Agency will pay for such Work as specified in Sections 2-03.4 and 2-03.5.

The Contractor shall repair, at no expense to the Contracting Agency, any partial or complete embankment that loses stability because of continued hauling across it. Evidence of lost stability includes pumping, rutting or lateral displacement of embankment. The Contractor shall also alter hauling equipment or procedures to prevent further damage.

### **2-03.3(14)L Embankment Widening for Guardrail**

The first sentence is revised to read:

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

The second sentence is deleted.

## **2-09.AP2**

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

**August 3, 2015**

### **2-09.3(2) Classification of Structure Excavation**

The first sentence of item number 1 is revised to read:

**Class A** – Structure excavation required for bridge and retaining wall footings, precast reinforced concrete three sided structure footings, geosynthetic retaining walls, structural earth walls, sign structure footings, pile or drilled shaft caps, seals, wingwall footings, precast reinforced concrete box culverts, precast reinforced concrete split box culverts, detention vaults, and noise barrier wall footings shall be classified as Structure excavation Class A.

### **2-09.4 Measurement**

The second paragraph is revised to read:

**Horizontal Limits** – The Contracting Agency will use the sides of the trench or pit as horizontal limits in measuring excavation. No payment for Structure excavation will be made for material removed (1) more than 1 foot outside the perimeter of any pile cap, footing, or seal; (2) more than 3 feet beyond the Roadway side of a wing wall; (3) more than 1 foot beyond the other sides and end of a wing wall; (4) more than 1 foot outside the perimeter of the soil reinforcement area for geosynthetic and structural earth walls; and (5) more than 4-feet beyond the inside opening of precast reinforced concrete box culverts and precast reinforced concrete split box culverts. For precast reinforced concrete three sided structures, no payment for Structure excavation will be made for material removed more than 1 foot outside the perimeter of the footing or more than 4 feet beyond the inside opening, whichever is greater.

The seventh paragraph is revised to read:

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

### 3-04.AP3

#### Section 3-04, Acceptance of Aggregate

April 6, 2015

##### 3-04.5 Payment

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

In Table 2, the row containing the item “HMA Aggregate” is revised to read:

9-03.8(2)	HMA Aggregate						15	15	Uncompacted Void Content 15
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### 5-04.AP5

#### Section 5-04, Hot Mix Asphalt

August 3, 2015

##### 5-04.2 Materials

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

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

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP. If greater than 20 percent RAP by total weight of HMA or any amount of RAS is utilized in the production of HMA, the Contractor shall sample and test the RAP and RAS during stockpile construction in accordance with WSDOT FOP for AASHTO T 308 for determination of asphalt binder content and WSDOT FOP for WAQTC/AASHTO T 27/T 11 for gradation of the aggregates. The RAP shall be sampled and tested at a frequency of one sample for every 1,000 tons produced and not less than ten samples per project. The RAS shall be sampled and tested at a frequency of one sample for every 100 tons produced and not less than ten samples per project. The asphalt content and gradation test data shall be reported to the Contracting Agency when submitting the mix design for approval on the QPL. If utilized, the amount of RAS shall not exceed 5-percent of the total weight of the HMA. The Contractor shall include the RAP and RAS as part of the mix design as defined in these Specifications.

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

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

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

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

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

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

In the first paragraph, the last sentence of item number 4 is revised to read:

The Contractor shall provide for the setup and operation of the field testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).

The first paragraph is supplemented with the following:

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

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

The first paragraph is supplemented with the following new sentence:

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

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

#### **5-04.3(5)A Preparation of Existing Surfaces**

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

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

#### **5-04.3(7) Preparation of Aggregates**

This section is revised to read:

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

#### **5-04.3(7)A1 General**

This section is revised to read:

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

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

Changes to the job mix formula of a mix design may require the development of a new mix design and resubmittal for QPL approval.

Changes to aggregate that may require a new mix design include the source of material or a change in the percentage of material from a stockpile greater than 5 percent. Changes to the percentage of material from a stockpile will be calculated exclusive of the RAP content for mix designs with 20 percent RAP or less by total weight of HMA.

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

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

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

Once the RAP and RAS stockpiles have been constructed the Contractor shall extract, recover and test the asphalt residue from the RAP and RAS stockpiles to determine the percent of recycling agent and/or grade of new asphalt binder needed to meet the grade of asphalt binder required by the contract. The asphalt extraction testing shall be performed in accordance with AASHTO T 164 or ASTM D 2172 using reagent grade trichloroethylene. The asphalt recovery shall be performed in accordance with AASHTO R 59 or ASTM D 1856. The recovered asphalt residue shall be tested in accordance with AASHTO R 29 to determine the asphalt binder grade in accordance with Section 9-02.1(4). Once the recovered asphalt binder grade is determined the percent of recycling agent and/or grade of new asphalt binder shall be determined in accordance with ASTM D 4887. The final blend of recycling agent, recovered and new asphalt shall be tested in accordance with AASHTO R 29. The final blended asphalt binder shall be the grade as required by the Contract and comply with the requirements of in accordance with Section 9-02.1(4).

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

This section is revised to read:

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

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

#### **5-04.3(7)A3 Commercial Evaluation**

This section is revised to read:

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

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

#### **5-04.3(8) Mixing**

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

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

The last paragraph is supplemented with the following new sentence:

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

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

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

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

This section is supplemented with the following new table:

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

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

This section is revised to read:

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

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

In the first paragraph, “checking” and “cracking” are deleted.

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

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

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

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

#### **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 specified level of density attained will be determined by the statistical evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8 when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.



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:

The results of all compaction acceptance testing and the CPF of the lot after three sublots have been tested will be available to the Contractor through WSDOT’s website. Determination of the relative density of the HMA with a nuclear density gauge requires a correlation factor and may require resolution after the correlation factor is known. When a core is taken for gauge correlation at the location of a subplot, the relative density of the core will be used for the subplot test result and is exempt from retesting. Acceptance of HMA compaction will be based on the statistical evaluation and CPF so determined.

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

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

In the second sentence of the second paragraph, “moisture-density” is revised to read “density”.

In the second paragraph, the fourth sentence is deleted.

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

This section is revised to read:

Anti-stripping additive shall be added to the liquid asphalt by the asphalt supplier prior to shipment to the asphalt mixing plant. Anti-stripping additive shall be added in the amount designated on the QPL for the mix design. Anti-strip is not required for temporary work that will be removed prior to Completion.

#### **5-04.4 Measurement**

The following new paragraph is inserted after the first paragraph:

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

The second to last paragraph is deleted.

#### **5-04.5 Payment**

The bid item “Removing Temporary Pavement Marking”, per linear foot and paragraph following bid item are deleted.

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

“Roadway Core”, per each.

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

### **8-01.AP8**

#### **Section 8-01, Erosion Control and Water Pollution Control August 3, 2015**

#### **8-01.2 Materials**

This section is supplemented with the following new paragraph:

For all seed the Contractor shall furnish the Engineer with the following documentation:

1. The state or provincial seed dealer license and endorsements.
2. Copies of Washington State Department of Agriculture (WSDA) test results on each lot of seed. Test results must be within six months prior to the date of application.

#### **8-01.3(1)A Submittals**

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

Modified TESC Plans shall meet all requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109.

#### **8-01.3(1)C Water Management**

Items number 1 through 3 are deleted.

This section is supplemented with the following new subsections:

### **8-01.3(1)C1 Disposal of Dewatering Water**

When uncontaminated groundwater with a pH range of 6.5 – 8.5 is encountered in an excavation on a project covered by a NPDES Construction Stormwater General Permit, it may be disposed of as follows:

1. When the turbidity of the groundwater is 25 NTU or less, it may bypass detention and treatment facilities and be discharged into the stormwater conveyance system at a rate that will not cause erosion or flooding in the receiving surface water body.
2. When the turbidity of the groundwater is not more than 25 NTU above or 125% of the turbidity of the site stormwater runoff, whichever is greater, the same detention and treatment facilities as used to treat the site runoff may be used.
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.
- 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.
  - 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 to prevent it from coming into contact with construction activity or mixing with construction stormwater. It shall be discharged at its preconstruction outfall point in such a manner that there is no increase in erosion downstream of 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 with sufficient water so the longitudinal depressions remain in the soil surface until completion of the seeding.

#### **8-01.3(2)B Seeding and Fertilizing**

In the list in the second paragraph, item numbers 1-5 are revised to read:

1. A hydro seeder that utilizes water as the carrying agent, and maintains continuous agitation through paddle blades. It shall have an operating capacity sufficient to agitate, suspend, and mix into a homogeneous slurry the specified amount of seed and water or other material. Distribution and discharge lines shall be large enough to prevent stoppage and shall be equipped with a set of hydraulic discharge spray nozzles that will provide a uniform distribution of the slurry.
2. Blower equipment with an adjustable disseminating device capable of maintaining a constant, measured rate of material discharge that will ensure an even distribution of seed at the rates specified.
3. Helicopters properly equipped for aerial seeding.
4. Power-drawn drills or seeders.
5. Areas in which the above methods are impractical may be seeded by hand methods.

#### **8-01.3(2)C Liming**

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

#### **8-01.3(2)C Vacant**

#### **8-01.3(2)D Mulching**

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

Distribution of straw mulch material shall be by means that utilizes forced air to blow mulch material on seeded areas.

#### **8-01.3(11) Outlet Protection**

In the last sentence, "Section 9-13.6" is revised to read "Section 9-13.1(5)".

#### **8-01.4 Measurement**

In the twelfth paragraph, "liming" is deleted.

#### **8-01.5 Payment**

The bid item "Liming", per acre is deleted.

## **8-02.AP8**

### **Section 8-02, Roadside Restoration January 5, 2015**

#### **8-02.3(1) Responsibility During Construction**

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

This Work shall include keeping the planted and seeded areas free from insect infestation, weeds or unwanted vegetation, litter, and other debris along with retaining the finished grades and mulch in a neat uniform condition.

#### **8-02.3(2) Roadside Work Plan**

This section's title is revised to read:

##### **Work Plans**

This section's content is deleted in its entirety and replaced with the following new subsections:

##### **8-02.3(2)A Roadside Work Plan**

Before starting any Work that disturbs the earth and as described in Sections 8-01, 8-02 and 8-03, the Contractor shall submit a roadside work plan. The roadside work plan shall be submitted as a Type 1 Working Drawing and shall define the Work necessary to provide all Contract requirements, including: wetland excavation, soil preparation, habitat structure placement, planting area preparation, seeding area preparation, bark mulch and compost placement, seeding, planting, plant replacement, irrigation, and weed control in narrative form.

The Roadside Work Plan shall also include a copy of the approved progress schedule.

##### **8-02.3(2)B Weed and Pest Control Plan**

The Weed and Pest Control Plan shall be submitted as a Type 1 Working Drawing. The weed and pest control plan shall include scheduling and methods of all control measures required under the Contract or proposed by the Contractor including soil preparation methods to meet the required soil surface conditions in the planting, bark mulch, and wetland areas. The weed control plan shall show general weed control including hand, mechanical and chemical methods, timing, application of herbicides including type, rate, use and timing, mowing, and noxious weed control. Target weeds and unwanted vegetation to be removed shall be identified and listed in the weed control plan.

The plan shall be prepared and signed by a licensed Commercial Pest Control Operator or Consultant when chemical pesticides are proposed. The plan shall include methods of weed control; dates of weed control operations; and the name, application rate, and Material Safety Data Sheets of all proposed herbicides. In addition, the Contractor shall furnish the Engineer with a copy of the current product label for each pesticide and spray adjuvant to be used. These product labels shall be submitted with the weed control plan for approval.

##### **8-02.3(2)C Plant Establishment Plan**

The Plant Establishment Plan shall be prepared in accordance with the requirements of Section 8-02.3(13) and submitted as a Type 1 Working Drawing. The Plan shall show the proposed scheduling of activities, materials, equipment to be utilized for the first-year plant establishment, and an emergency contact person. The Plan shall include the management of the irrigation system, when

applicable. Should the plan become unworkable at any time during the first-year plant establishment, the Contractor shall submit a revised plan prior to proceeding with further Work.

#### **8-02.3(3) Weed and Pest Control**

This section is supplemented with the following new paragraph:

Grass, including grass applied in accordance with Section 8-01, growing within the mulch ring of a plant shall be considered a weed and be controlled on the project in accordance with the weed and pest control plan.

#### **8-02.3(4) Topsoil**

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

After the topsoil has been spread, all large clods, hard lumps, and rocks 2 inches in diameter and larger, and litter shall be raked up, removed, and disposed of by the Contractor.

The following new paragraph is inserted after the first paragraph:

Topsoil stockpiled for project use shall be protected to prevent erosion and weed growth. Weed growth on topsoil stockpile sites shall be immediately eliminated in accordance with the approved Weed and Pest Control Plan.

#### **8-02.3(4)C Topsoil Type C**

The last sentence is revised to read:

Topsoil Type C shall meet the requirements of Sections 8-02.3(4), 8-02.3(4)B, and 9-14.1(3).

#### **8-02.3(12) Completion of Initial Planting**

Item number 4 in the last paragraph is deleted.

#### **8-02.3(13) Plant Establishment**

The first sentence of the second paragraph is deleted.

The second paragraph is supplemented with the following new sentence:

The 1 calendar year shall be extended an amount equal to any periods where the Contractor does not comply with the plant establishment plan.

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

During the first year of plant establishment under PSIFE (Plant Selection Including Plant Establishment), the Contractor shall meet monthly with the Engineer for the purpose of joint inspection of the planting material on a mutually agreed upon schedule.

The last two paragraphs are deleted.

#### **8-02.4 Measurement**

This section is supplemented with the following:

Plant selection will be measured per each.

PSIFE \_\_ (Plant Selection Including Plant Establishment) will be measured per each.



### **8-02.5 Payment**

The paragraph following the bid item “Topsoil Type \_\_\_\_”, per acre is revised to read:

The unit Contract price per acre for “Topsoil Type \_\_\_\_” shall be full payment for all costs for the specified Work.

The bid item “PSIPE \_\_\_\_”, per each and the paragraph following the bid item are revised to read:

“PSIPE \_\_\_\_”, per each.

The unit Contract price for “Plant Selection \_\_\_\_”, per each, and “PSIPE \_\_\_\_”, per each, shall be full pay for all Work necessary for weed control within the planting area, planting area preparation, fine grading, planting, cultivating, plant storage and protection, fertilizer and root dip, staking, cleanup, and water necessary to complete planting operations as specified to the end of first year plant establishment.

The bid item “Plant Establishment - \_\_\_\_ Year” is deleted.

## **8-04.AP8**

### **Section 8-04, Curbs, Gutters, and Spillways January 5, 2015**

#### **8-04.2 Materials**

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

Hand Placed Riprap            9-13.1(4)

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

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

Expansion joints in the curb or curb and gutter shall be spaced as shown in the Plans, and placed at the beginning and ends of curb returns, drainage Structures, bridges, and cold joints with existing curbs and gutters.

In the third sentence of the fourth paragraph, “1/4-inch” is revised to read “3/8-inch”.

#### **8-04.3(1)A Extruded Cement Concrete Curb**

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

Cement concrete curbs shall be anchored to the existing pavement by placing steel reinforcing bars 1 foot on each side of every joint.

The third paragraph is revised to read:

Steel reinforcing bars shall meet the dimensions shown in the Standard Plans.

## **8-09.AP8**

### **Section 8-09, Raised Pavement Markers April 7, 2014**

#### **8-09.3(6) Recessed Pavement Marker**

The following sentence is inserted after the first sentence of the first paragraph:

The Contractor shall ensure that grinding of the pavement does not result in any damage, (e.g. chipping, spalling or raveling) to the pavement to remain.

## **8-20.AP8**

### **Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical August 3, 2015**

#### **8-20.2(1) Equipment List and Drawings**

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

Supplemental data would include such items as catalog cuts, product Specifications, shop drawings, wiring diagrams, etc.

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

If the luminaires are not listed in the Qualified Products List, the Contractor shall submit the following information for each different type of luminaire required on the Contract:

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

The Contractor shall submit for approval Type 3E Working Drawings in accordance with Section 1-05.3 for each of the following types of standards called for on this project:

The fifth paragraph is revised to read:

The Contractor will not be required to submit shop drawings for approval for light standards and traffic signal standards conforming to the preapproved plans listed in the Special Provisions. The Contractor may use preapproved plans posted on the WSDOT website with a more current revision date than published in the Special Provisions.

#### **8-20.3(1) General**

The following six new paragraphs are inserted after the second paragraph:

If a portion of an existing communication conduit system is damaged due to the Contractor's activities, the affected system shall be restored to original condition. Conduit shall be repaired. Communication cables shall be replaced and the communication system shall be made fully operational within 24 hours of being damaged.

Damaged communication cable shall be replaced between existing termination or splice points. No additional termination or splice points will be allowed. An existing termination or splice point is defined as a location where all existing fiber strands or twisted pair wires are terminated or spliced at one point. Communication cable shall be defined as either copper twisted pair or fiber optic cables.

The Contractor may use temporary splices to restore Contracting Agency communication systems until the permanent communication cable system is restored.

When damage to an existing communication system has occurred, the Contractor shall perform the following in addition to other restoration requirements:

1. Inspect the communication raceway system including locate wire or tape to determine the extent of damage.
2. Contact the Engineer for Fiber Optic Cable and Twisted Pair (TWP) Copper Cable acceptance testing requirements and communication system restoration requirements.
3. Initially perform the acceptance tests to determine the extent of damage and also perform the acceptance tests after repairs are completed. Provide written certification that the communication cable system, including the locate wire or tape, is restored to test standard requirements.

Communication cables shall be restored by Contractor personnel that are WSDOT prequalified for communication installation work. Restoration shall be considered electrical work when the path of the communication system interfaces with electrical systems. Electrical work of this nature shall be performed by Contractor personnel that are WSDOT prequalified for work on both electrical and communication systems.

If the Contractor or Subcontractors are unable or unqualified to complete the restoration work, the Engineer may have the communication or electrical systems restored by other means and subtract the cost from the money that will be or is due the Contractor.

When field repair of existing conduit, innerduct or outerduct is required, the repair kits shall be installed per manufacturer's recommendations. Repair kits and each connection point between the repair kit and the existing raceway system shall be sealed to prevent air leakage during future cable installation.

#### **8-20.3(5)B Conduit Type**

This section is revised to read:

Conduit shall be rigid polyvinyl chloride (PVC), high density polyethylene (HDPE), rigid metal or flexible metal depending on the application.

Rigid metal conduit shall be installed at the following locations:

1. Within railroad right of way.
2. All surface-mounted conduit, with the exception of pole risers.
3. All runs within slip form placed concrete.

Unless otherwise required by the owning utility:

1. Service lateral runs shall be Schedule 80 PVC or Schedule 80 HDPE.
2. Pole risers shall be Schedule 80 PVC.

Conduit runs, including outer-duct, that enter the traveled way or shoulders shall be Schedule 80 HDPE, Schedule 80 PVC, or rigid metal.

Conduit runs, including outer-duct, that do not enter the traveled way or shoulders shall be Schedule 80 HDPE, Schedule 40 PVC or rigid metal.

Flexible metal conduit is allowed only at locations called for in the Plans.

Except as described under Non-Metallic Conduit, unless otherwise indicated in the Plans or Standard Plans, the same type of conduit shall be used for the entire length of the run, from outlet to outlet.

Innerduct shall have a smooth wall non ribbed interior surface, with factory pre-lubricated coating.

Innerduct within the Traveled Way or Shoulders and innerduct which is not factory installed shall be Schedule 40 HDPE. The innerduct shall be continuous with no splices. Innerduct which is pulled into the outer duct in the field shall be installed with an extra 2 feet of conduit beyond each end of the outer-duct and shall be allowed to finish contracting for 21 calendar days before it is terminated. Innerduct shall be terminated with end bells flush to ¼-inch out of the outer-duct and the space between the outer-duct and innerduct shall be sealed with rodent and moisture resistant foam designed for this application and installed per manufacturer's recommendations.

### **8-20.3(8) Wiring**

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

Every conductor at every wire termination, connector, or device shall have an approved wire marking sleeve bearing, as its legend, the circuit number indicated in the Contract.

### **8-20.3(13)A Light Standards**

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

Conduit shall extend a maximum of 1 inch above the top of the foundation, including grounding end bushing or end bell bushing.

In the fourth paragraph, the second sentence of item number 1 is revised to read:

Conduits shall be cut to a maximum height of 2 inches above the foundation including grounding end bushing or end bell bushing.

## **8-21.AP8**

### **Section 8-21, Permanent Signing August 3, 2015**

#### **8-21.2 Materials**

This section is revised to read:

Materials shall meet the requirements of the following sections:

Roadside Sign Structures	9-06.16
Permanent Signs	9-28

The Contractor shall submit a Manufacturer's Certificate of Compliance for all permanent signs; a copy of the Manufacturer's Certificate of Compliance shall be available at the fabricator's plant. Permanent signs will be inspected at the fabricator's plant prior to shipment to the project unless otherwise accepted by the Engineer. Signs without an approved decal shall not be installed on the project with the exception of double-faced signs which do not receive decals or fabricator's stickers.

#### **8-21.3(9)F Foundations**

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

The excavation and backfill shall conform to the requirements of Section 2-09.3.

#### **8-22.AP8**

### **Section 8-22, Pavement Marking April 6, 2015**

#### **8-22.3(6) Removal of Pavement Markings**

The second and third sentences of the first paragraph are revised to read:

Grinding to remove pavement markings is allowed prior to application of a Bituminous Surface Treatment. Grinding to remove pavement marking from hot mix asphalt and cement concrete pavements is allowed to a depth just above the pavement surface, then water blasting or shot blasting shall be required to remove the remaining markings.

#### **8-23.AP8**

### **Section 8-23, Temporary Pavement Markings January 5, 2015**

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

#### **8-23.1 Description**

The Work consists of furnishing, installing, and removing temporary pavement markings. Temporary pavement markings shall be provided where noted in the Plans; for all lane shifts and detours resulting from construction activities; or when permanent markings are removed because of construction operations.

#### **8-23.2 Materials**

Materials for temporary markings shall be paint, plastic, tape, raised pavement markers or flexible raised pavement markers. Materials for pavement markings shall meet the following requirements:

Raised Pavement Markers	9-21
Temporary Marking Paint	9-34.2(6)
Plastic	9-34.3
Glass Beads for Pavement Marking Materials	9-34.4
Temporary Pavement Marking Tape	9-34.5
Temporary Flexible Raised Pavement Markers	9-34.6

### **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.

##### **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).

All damage to the permanent Work caused by removing temporary pavement markings shall be repaired by the Contractor at no additional cost to the Contracting Agency.

**8-23.4 Measurement**

Temporary pavement markings will be measured by the linear foot of each installed line or grouping of markers, with no deduction for gaps in the line or markers and no additional measurement for the second application of paint required for long duration paint lines. Short duration and long duration temporary pavement markings will be measured for the initial installation only.

**8-23.5 Payment**

Payment will be made in accordance with Section 1-04.1, for each of the following Bid items that are included in the Proposal:

“Temporary Pavement Marking – Short Duration”, per linear foot.

“Temporary Pavement Marking – Long Duration”, per linear foot.

The unit Contract price per linear foot for “Temporary Pavement Marking – Short Duration” and “Temporary Pavement Marking – Long Duration” shall be full pay for all Work.

## **9-01.AP9**

### **Section 9-01, Portland Cement August 3, 2015**

#### **9-01.2(3) Low Alkali Cement**

This section is revised to read:

When low alkali portland cement is required, the percentage of alkalies in the cement shall not exceed 0.60 percent by weight calculated as  $\text{Na}_2\text{O}$  plus  $0.658 \text{ K}_2\text{O}$ . This limitation shall apply to all types of portland cement.

#### **9-01.2(4) Blended Hydraulic Cement**

The first paragraph is revised to read:

Blended hydraulic cement shall be either Type IP(X)(MS), Type IS(X)(MS), Type IT(PX)(LY), Type IT(SX)(LY), or Type IL(X) cement conforming to AASHTO M 240 or ASTM C 595, except that the portland cement used to produce blended hydraulic cement shall not contain more than 0.75 percent alkalies by weight calculated as  $\text{Na}_2\text{O}$  plus  $0.658 \text{ K}_2\text{O}$  and shall meet the following additional requirements:

1. Type IP(X)(MS) - Portland-Pozzolan Cement where (X) equals the targeted percentage of fly ash, the fly ash is limited to a maximum of 35 percent by weight of the cementitious material; (MS) indicates moderate sulfate resistance.
2. Type IS(X)(MS) - Portland Blast- Furnace Slag Cement, where: (X) equals the targeted percentage of ground granulated blast-furnace slag, the ground granulated blast furnace slag is limited to a maximum of 50 percent by weight of the cementitious material; (MS) indicates moderate sulfate resistance.
3. Type IT(PX)(LY), where (PX) equals the targeted percentage of pozzolan, and (LY) equals the targeted percentage of limestone. The pozzolan (PX) shall be Class F fly ash and shall be a minimum of 25% and a maximum of 35%. (LY) shall be a minimum of 5% and a maximum of 15%. Separate testing of each source of fly ash at each proposed replacement level shall be conducted in accordance with ASTM C 1012 at the storage temperature prescribed in Section 9.3 of the test procedure, as well as at a storage temperature of  $5.0 \pm 2.0$  °C. Expansion at 1 year shall be 0.10% or less for each test temperature.
4. Type IT(SX)(LY), where (SX) equals the targeted percentage of slag cement, and (LY) equals the targeted percentage of limestone. (SX) shall be a minimum of 30% and a maximum of 50%. (LY) shall be a minimum of 5% and a maximum of 15%. Separate testing of each source of slag at each proposed replacement level shall be conducted in accordance with ASTM C 1012 at the storage temperature prescribed in Section 9.3 of the test procedure, as well as at a storage temperature of  $5.0 \pm 2.0$  °C. Expansion at 1 year shall be 0.10% or less for each test temperature.



5. Type IL(X), where (X) equals the targeted percentage of limestone, and shall be a minimum of 5% and a maximum of 15%. Type IL(X) shall only be used with either 25% to 35% replacement with Class F fly ash, or with 30% to 50% replacement with slag cement. Separate testing of each source of fly ash or slag at each proposed replacement level shall be conducted in accordance with ASTM C 1012 at the storage temperature prescribed in Section 9.3 of the test procedure, as well as at a storage temperature of  $5.0 \pm 2.0$  °C. Expansion at 1 year shall be 0.10% or less for each test temperature.

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.

This section is supplemented with the following new paragraph:

Limestone shall meet the requirements of AASHTO M 240 or ASTM C 595.

### **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.

## **9-03.AP9**

### **Section 9-03, Aggregates**

**August 3, 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.

### **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.

### **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	Percent Passing	Plasticity Index
1	No. 200	0 - 12	N/A
2	No. 200	12.1 - 35	6 or Less
3	No. 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.

### **9-03.21(1)B Vacant**

This section, including title, is revised to read:

#### **9-03.21(1)B Concrete Rubble**

Concrete rubble shall not be placed below the ordinary high water mark of any water of the State.

### **9-03.21(1)D Recycled Steel Furnace Slag**

This section is supplemented with the following new sentence:

Recycled steel furnace slag shall not be placed below the ordinary high water mark of any water of the State.

**9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material**

In the table, the “Concrete Rubble” value for the item "Gravel Backfill for Drains" is revised to read “0”.

In the table, the “Concrete Rubble” value for the item "Backfill for Sand Drains" is revised to read “0”.

In the table, the “Concrete Rubble” value for the item "Sand Drainage Blanket" is revised to read “0”.

**9-04.AP9**

**Section 9-04, Joint and Crack Sealing Materials  
August 3, 2015**

**9-04.1(4) Elastomeric Expansion Joint Seals**

In this section, “AASHTO M 220” is revised to read “ASTM D 2628”.

**9-04.2 Joint Sealants**

In the first paragraph, “AASHTO M 324” is revised to read “ASTM D 6690”.

**9-04.2(2) Poured Rubber Joint Sealer**

In item number 9, “WSDOT Test Method No. 412” is revised to read “ASTM D 5329”.

**9-04.2(3) Polyurethane Sealant**

The first paragraph is revised to read:

Polyurethane sealant shall conform to ASTM C 920 Type S Grade NS Class 25 Use M or ASTM C 920 Type S Grade NS Class 35 Use M.

**9-14.AP9**

**Section 9-14, Erosion Control and Roadside Planting  
August 3, 2015**

**9.14.1 Soil**

This section, including title, is revised to read:

**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.

**9-14.1(2) Topsoil Type B**

The last sentence of the second paragraph is deleted.

**9-14.2 Seed**

This section is revised to read:

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 Erosion Control and Roadside Planting**

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

##### **9-14.4(9) Horticultural Grade Perlite**

Horticultural grade perlite shall be in a pelletized or granular form.

Horticultural grade perlite shall meet the following requirements for quality and grading:

<b>Quality Requirements</b>		
<b>Property</b>	<b>Test Method</b> <sup>Note 1</sup>	<b>Requirement</b>
pH (of water slurry)	PI 202	6.5 – 8.0
Bulk Density, lb/ft <sup>3</sup>	PI 200	2 - 10

Note 1 – PI, abbreviation for the Perlite Institute

<b>Gradation Requirements</b>	
<b>Sieve Size</b>	<b>Percent Passing</b>
No. 4	99 – 100
No. 18	30 max
No. 30	10 max

All percentages are by weight.

##### **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(5) Lime**

This section, including title, is revised to read:

#### **9-14.4(5) Agricultural Grade Dolomite Lime**

Agricultural grade dolomite lime shall be in a pelletized or granular form, meeting the grading requirements of ASTM C 602 for Class E.

#### **9-14.4(6) Gypsum**

This section, including title, is revised to read:

##### **9-14.4(6) Agricultural Grade Gypsum**

Agricultural grade gypsum shall consist of Calcium Sulfate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) in a pelletized or granular form and shall meet the following grading requirements:

<b>Sieve Size</b>	<b>Percent Passing</b>
1/4"	99 – 100
No. 20	20 max

All percentages are by weight.

#### **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.

##### **9-14.4(8)A Compost Submittal Requirements**

Item 2 is revised to read:

2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the Jurisdictional Health Department in accordance with WAC 173-350 (Minimum Functional Standards for Solid Waste Handling).

#### **9-14.6(1) Description**

Item number 3 in the fourth paragraph is revised to read:

3. Live pole cuttings shall have a diameter between 2 inches and 3.5 inches. Live poles shall have no more than three branches which must be located at the top end of the pole and those branches shall be pruned back to the first bud from the main stem.

#### **9-14.6(2) Quality**

The second and third paragraphs in this section are revised to read:

All plant material shall comply with State and Federal laws with respect to inspection for plant diseases and insect infestation. Plants must meet Washington State Department of Agriculture plant

quarantines and have a certificate of inspection. Plants originating in Canada must be accompanied by a phytosanitary certificate stating the plants meet USDA health requirements.

All plant material shall be purchased from a nursery licensed to sell plants in their state or province.

## **9-29.AP9**

### **Section 9-29, Illumination, Signal, Electrical August 3, 2015**

#### **9-29.1 Conduit, Innerduct, and Outerduct**

This section is supplemented with the following new subsection:

##### **9-29.1(9) Repair**

Manufacturer repair kits shall be used for field repair of existing conduit, innerduct and outerduct. The conduit repair kit shall be manufactured specifically for the repair of existing damaged conduit, inner duct and outer duct. The repair kit shall be prepackaged and include the split conduit and split couplings necessary to restore the damaged conduit to the original inside dimensions including a water and air tight seal.

#### **9-29.2(1)B Heavy Duty Junction Boxes**

The second paragraph is revised to read:

The Heavy-Duty Junction Box steel frame, lid support and lid fabricated from steel plate and shapes shall be painted with a shop applied, inorganic zinc primer in accordance with Section 6-07.3. Ductile iron and gray iron castings shall not be painted.

The following new paragraph is inserted after the second paragraph:

The concrete used in Heavy-Duty Junction Boxes shall have a minimum compressive strength of 4,000 psi.

In the fourth paragraph (after the preceding Amendment is applied), the table is revised to read:

<b>Materials</b>	<b>Requirement</b>
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
Safety Bars	In accordance with approved shop drawings

The last paragraph is revised to read:

The bearing seat and lid perimeter shall be free from burrs, dirt, and other foreign debris that would prevent solid seating. Bolts and nuts shall be liberally coated with anti-seize compound. Bolts shall be installed snug tight. The bearing seat and lid perimeter shall be machined to allow a minimum of 75 percent of the bearing areas to be seated with a tolerance of 0.0 to 0.005 inches measured with a feeler gage. The bearing area percentage will be measured for each side of the lid as it bears on the frame.

### **9-29.2(2) Standard Duty and Heavy-Duty Cable Vaults and Pull Boxes**

This section's title is revised to read:

#### **Small Cable Vaults, Standard Duty Cable Vaults, Heavy-Duty Cable Vaults, Standard Duty Pull Boxes, and Heavy-Duty Pull Boxes**

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

Small, Standard Duty and Heavy-Duty Cable Vaults and Standard Duty and Heavy-Duty Pull Boxes shall be constructed as a concrete box and as a concrete lid.

### **9-29.2(2)A Standard Duty Cable Vaults and Pull Boxes**

This section's title is revised to read:

#### **Small Cable Vaults, Standard Duty Cable Vaults, and Standard Duty Pull Boxes**

The first paragraph is revised to read:

Small and Standard Duty Cable Vaults and Standard Duty Pull boxes shall be concrete and have a minimum load rating of 22,500 pounds and be tested in accordance with Section 9-29.2(1)C for concrete Standard Duty Junction Boxes.

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

Concrete for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall have a minimum compressive strength of 4,000 psi.

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

All Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes placed in sidewalks, walkways, and shared-use paths shall have slip-resistant surfaces.

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



Materials for Small and Standard Duty Cable Vaults and Standard Duty Pull Boxes shall conform to the following:

### **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

This section is supplemented with the following new subsection:

#### **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).

### **9-29.13(2) Manufacturing Quality**

This section, including title, is revised to read:

#### **9-29.13(2) Traffic Signal Controller Assembly Testing**

Each traffic signal controller assembly shall be tested as follows. The Contractor shall:

1. Prior to shipping, arrange appointment for testing at the WSDOT Materials Laboratory.
2. Assembly shall be defined as tightening all screws, nuts and bolts, verifying that all wiring is clear of moving parts and properly secured, installing all pluggables, connecting all cables and ensure that all Contract required documents are present, proper documentation is provided, and all equipment required by the Contract is installed.
3. The Contractor shall demonstrate that all of the functions required by the Contract perform as intended. Demonstration shall include energizing the cabinet and verifying that all 8 phases, 4 pedestrian movements and 4 overlaps (as required by the Contract Provisions) operate per Section 9-29.13. The Contractor shall place the controller in minimum recall with interval timing set at convenient value for testing purposes. Upon a satisfactory demonstration the controller assembly will then be accepted by WSDOT for testing.
4. If the assembly and acceptance for testing is not complete within 7 calendar days of delivery, the Project Engineer may authorize the return of the assembly to the Contractor, with collect freight charges to the Contractor.
5. WSDOT will test each traffic signal control assembly in accordance with the following test methods, WSDOT T 421, T 422, T 423, T 424, T 425, T 427, and T 428.
6. If the traffic signal control assembly passes all testing, the Contractor will be notified where the assembly is to be picked-up for delivery to the project. The Contractor shall pick-up the assembly within 7 calendar days of notification.
7. If the traffic signal control assembly fails testing, the Contractor has 7 calendar days to repair or replace any components that fail during the testing process at no cost to the Contracting Agency. All repairs shall be completed during normal business hours for the

State Materials Lab. A failure shall be defined as a component that no longer functions as intended under the conditions required or does not meet the requirements of the Contract and is at the sole discretion of WSDOT. Once all repairs and replacement of components is complete WSDOT will retest the traffic controller as specified in step 6 and all costs for retesting will be deducted from monies due or that may become due the Contractor.

#### **9-29.13(2)A Traffic Signal Controller Assembly Testing**

This section is deleted.

#### **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.

#### **9-34.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:

<b>Metal Concentration Limits</b>		
<b>Element</b>	<b>Test Method</b>	<b>Max. Parts Per Million (ppm)</b>
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.

### **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).

**SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS**  
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## INTRODUCTION TO THE SPECIAL PROVISIONS

*(July 31, 2007 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 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 date of the GSP and its source, as follows:

*(May 18, 2007 APWA GSP)*

*(August 7, 2006 WSDOT GSP)*

*(April 2, 2007 R&E GSP)*

*(NWR February 5, 2007)*

Also incorporated into the Contract Documents by reference are:

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

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

1 **DIVISION 1**  
2 **GENERAL REQUIREMENTS**

3  
4 **DESCRIPTION OF WORK**  
5 *(March 13, 1995 WSDOT GSP)*  
6

7 This contract provides for the installation of a Rectangular Rapid Flash Beacon (RRFB)  
8 Crosswalk Warning System on the east leg of the Main Street and Sterling Avenue intersection.  
9 As a result of the estimated lead time required to obtain the RRFB System and the poles for the  
10 RRFB System, the Contracting Agency shall pre-purchase the RRFB System and the poles for  
11 the RRFB System. Work will include traffic control; installation of the RRFB System; removal  
12 and replacement of existing sidewalk and ADA ramps; HMA paving; and other work in  
13 accordance with the Contract Plans, Special Provisions, the Standard Specifications, including  
14 the amendments thereto, and Standard Plans.  
15

16 **1-01.3 Definitions**  
17 *(July 23, 2015 APWA GSP)*  
18

19 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them  
20 with the following:  
21

22 **Dates**  
23

24 ***Bid Opening Date***

25 The date on which the Contracting Agency publicly opens and reads the Bids.  
26

27 ***Award Date***

28 The date of the formal decision of the Contracting Agency to accept the lowest  
29 responsible and responsive Bidder for the Work.  
30

31 ***Contract Execution Date***

32 The date the Contracting Agency officially binds the Agency to the Contract.  
33

34 ***Notice to Proceed Date***

35 The date stated in the Notice to Proceed on which the Contract time begins.  
36

37 ***Substantial Completion Date***

38 The day the Engineer determines the Contracting Agency has full and unrestricted use  
39 and benefit of the facilities, both from the operational and safety standpoint, any  
40 remaining traffic disruptions will be rare and brief, and only minor incidental work,  
41 replacement of temporary substitute facilities, plant establishment periods, or correction  
42 or repair remains for the Physical Completion of the total Contract.  
43

44 ***Physical Completion Date***

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

1       ***Completion Date***

2       The day all the Work specified in the Contract is completed and all the obligations of the  
3       Contractor under the contract are fulfilled by the Contractor. All documentation required  
4       by the Contract and required by law must be furnished by the Contractor before  
5       establishment of this date.  
6

7       ***Final Acceptance Date***

8       The date on which the Contracting Agency accepts the Work as complete.  
9

10      Supplement this Section with the following:

11  
12      All references in the Standard Specifications, Amendments, or WSDOT General Special  
13      Provisions, to the terms “State”, “Department of Transportation”, “Washington State  
14      Transportation Commission”, “Commission”, “Secretary of Transportation”, “Secretary”,  
15      “Headquarters”, and “State Treasurer” shall be revised to read “Contracting Agency”.  
16

17      All references to “State Materials Laboratory” shall be revised to read “Contracting Agency  
18      designated location”.  
19

20      All references to “final contract voucher certification” shall be interpreted to mean the final  
21      payment form established by the Contracting Agency.  
22

23      **Additive**

24      A supplemental unit of work or group of bid items, identified separately in the Bid Proposal,  
25      which may, at the discretion of the Contracting Agency, be awarded in addition to the base  
26      bid.  
27

28      **Alternate**

29      One of two or more units of work or groups of bid items, identified separately in the Bid  
30      Proposal, from which the Contracting Agency may make a choice between different methods  
31      or material of construction for performing the same work.  
32

33      **Business Day**

34      A business day is any day from Monday through Friday except holidays as listed in Section  
35      1-08.5.  
36

37      **Contract Bond**

38      The definition in the Standard Specifications for “Contract Bond” applies to whatever bond  
39      form(s) are required by the Contract Documents, which may be a combination of a Payment  
40      Bond and a Performance Bond.  
41

42      **Contract Documents**

43      See definition for “Contract”.  
44



1       **Contract Time**

2       The period of time established by the terms and conditions of the Contract within which the  
3       Work must be physically completed.  
4

5       **Notice of Award**

6       The written notice from the Contracting Agency to the successful Bidder signifying the  
7       Contracting Agency's acceptance of the Bid Proposal.  
8

9       **Notice to Proceed**

10      The written notice from the Contracting Agency or Engineer to the Contractor authorizing  
11      and directing the Contractor to proceed with the Work and establishing the date on which the  
12      Contract time begins.  
13

14      **Traffic**

15      Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists,  
16      wheelchairs, and equestrian traffic.  
17

18      **1-02 BID PROCEDURES AND CONDITIONS**

19  
20      **1-02.1 Prequalification of Bidders**

21  
22      Delete this Section and replace it with the following:  
23

24          **1-02.1 Qualifications of Bidder**

25          *(January 24, 2011 APWA GSP)*  
26

27          Before award of a public works contract, a bidder must meet at least the minimum  
28          qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be  
29          awarded a public works project.  
30

31      **1-02.2 Plans and Specifications**

32      *(June 27, 2011 APWA GSP)*  
33

34      Delete this section and replace it with the following:  
35

36          Information as to where Bid Documents can be obtained or reviewed can be found in the Call  
37          for Bids (Advertisement for Bids) for the work.  
38

39          After award of the contract, plans and specifications will be issued to the Contractor at no  
40          cost as detailed below:  
41  
42  
43  
44  
45  
46

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	5	Furnished automatically upon award.
Contract Provisions	5	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	3	Furnished only upon request.

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

#### **1-02.4(1) General**

*(March 17, 2010 R&E GSP)*

Section 1-02.4(1) is supplemented with the following:

If the Bidder finds any discrepancy in, or omission from the specifications or plans, or if there is any doubt as to their meaning, the Bidder shall promptly notify Reichhardt & Ebe Engineering, Inc. (360) 354-3687. Any addenda issued during the time of bidding will be numbered consecutively and will be incorporated into these contract documents. The Bidder shall be responsible to ascertain, prior to submittal of a bid proposal that all addenda issued have been received, and are acknowledged on the "Bid Proposal Signature and Addendum Acknowledgment" form. Addendums will only be issued to those contractors appearing on the Plan Holders List at Reichhardt & Ebe Engineering, 423 Front Street, Lynden WA. It will be the responsibility of the contractor to ensure their name appears on the Plan Holders List.

Any interpretation or correction of the bid documents will be made only by addendum, and a copy of such addendum will be mailed or delivered to each person whose name appears on the Plan Holders List. The Contracting Agency will not be responsible for any other explanations or interpretations of the bid documents. No oral interpretations by the Contracting Agency of any provision in the bid documents will be considered binding.

#### **Pre-Bid Conference**

Due to the nature of the project, the Contracting Agency will hold one pre-bid conference for all proposal holders for this project. Subcontractors or other plan holders are encouraged to attend.

Those prospective bidders wanting to take part in the Pre-Bid Conference shall meet at the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. The meeting will start on December 30, 2015, at 10:00 AM. A jobsite visit may follow upon request. Attendance at this Pre-Bid Conference is not mandatory.

1       **1-02.4(2) Subsurface Information**

2       *(March 8, 2013 APWA GSP)*

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

4  
5       The existing HMA is approximately 8" thick.

6  
7       **1-02.5           Proposal Forms**

8       *(June 27, 2011 APWA GSP)*

9  
10      Delete this section and replace it with the following:

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

22  
23      The Contracting Agency reserves the right to arrange the proposal forms with alternates and  
24      additives, if to the advantage of the Contracting Agency. The bidder shall bid on all  
25      alternates and additives set forth in the Proposal Form unless otherwise specified.

26  
27      **1-02.6       Preparation of Proposal**

28      *(June 27, 2011 APWA GSP)*

29  
30      Supplement the second paragraph with the following:

- 31  
32      4.    If a minimum bid amount has been established for any item, the unit or lump sum price  
33      must equal or exceed the minimum amount stated.  
34      5.    Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed  
35      by the signer of the bid.

36  
37      Delete the last paragraph, and replace it with the following:

38  
39      The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

40  
41      A bid by a corporation shall be executed in the corporate name, by the president or a vice  
42      president (or other corporate officer accompanied by evidence of authority to sign).

43  
44      A bid by a partnership shall be executed in the partnership name, and signed by a partner. A  
45      copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE  
46      requirements are to be satisfied through such an agreement.

1 A bid by a joint venture shall be executed in the joint venture name and signed by a member  
2 of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid  
3 Form if any D/W/MBE requirements are to be satisfied through such an agreement.  
4

5 **1-02.7 Bid Deposit**

6 *(March 8, 2013 APWA GSP)*  
7

8 Supplement this section with the following:  
9

10 Bid bonds shall contain the following:

- 11 1. Contracting Agency-assigned number for the project;
- 12 2. Name of the project;
- 13 3. The Contracting Agency named as obligee;
- 14 4. The amount of the bid bond stated either as a dollar figure or as a percentage which  
15 represents five percent of the maximum bid amount that could be awarded;
- 16 5. Signature of the bidder's officer empowered to sign official statements. The signature of  
17 the person authorized to submit the bid should agree with the signature on the bond, and  
18 the title of the person must accompany the said signature;
- 19 6. The signature of the surety's officer empowered to sign the bond and the power of  
20 attorney.  
21

22 If so stated in the Contract Provisions, bidder must use the bond form included in the  
23 Contract Provisions.  
24

25 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.  
26

27 *(February 1, 2008, R&E GSP)*

28 Section 1-02.7 is supplemented with the following:  
29

30 All bid bonds shall be made payable to the City of Ferndale.  
31

32 **1-02.9 Delivery of Proposal**

33 *(August 15, 2012 APWA GSP, Option A)*  
34

35 Delete this section and replace it with the following:  
36

37 Each proposal shall be submitted in a sealed envelope, with the Project Name and Project  
38 Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as  
39 otherwise required in the Bid Documents, to ensure proper handling and delivery.  
40

41 If the project has FHWA funding and requires DBE Written Confirmation Documents or  
42 Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit  
43 with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on  
44 the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by  
45 Section 1-02.6.  
46

1 The Contracting Agency will not open or consider any Bid Proposal that is received after the  
2 time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other  
3 than that specified in the Call for Bids.

4  
5 **1-02.10 Withdrawing, Revising, or Supplementing Proposal**  
6 *(July 23, 2015 APWA GSP)*

7  
8 Delete this section in its entirety, and replace it with the following:

9  
10 After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may  
11 withdraw, revise, or supplement it if:

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

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

25  
26 Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded  
27 by the Contracting Agency and returned unopened. Mailed, Emailed, or faxed requests to  
28 withdraw, revise, or supplement a Bid Proposal are not acceptable.

29  
30 **1-02.12 Public Opening of Proposals**  
31 *(May 4, 2012 APWA GSP)*

32  
33 Delete this section and replace it with the following:

34  
35 Proposals will be opened and publicly read at the time indicated in the Call for Bids, after the  
36 deadline(s) for submitting all elements of the Bid Proposal including DBE Written  
37 Confirmation Documents and/or Good Faith Effort Documentation, unless the Bid opening  
38 has been delayed or canceled. Bidders, their authorized agents, and other interested parties  
39 are invited to be present.

40  
41 **1-02.13 Irregular Proposals**  
42 *(March 13, 2012 APWA GSP)*

43  
44 Revise item 1 to read:

- 45  
46 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.

*(December 29, 2008 R&E GSP)*

Item 1a is supplemented with the following:

"Bidders do not have to be pre-qualified."

#### **1-02.14 Disqualification of Bidders**

*(March 8, 2013 APWA GSP, Option B)*

Delete this Section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet the following Supplemental Criteria:

##### **1. Delinquent State Taxes**

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

1 B. Documentation: The Bidder shall not be listed on the Washington State  
2 Department of Revenue's "Delinquent Taxpayer List" website:  
3 <http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx> , or if they are  
4 so listed, they must submit a written payment plan approved by the Department  
5 of Revenue, to the Contracting Agency by the deadline listed below.  
6

7 2. **Federal Debarment**  
8

9 A. Criterion: The Bidder shall not currently be debarred or suspended by the  
10 Federal government.  
11

12 B. Documentation: The Bidder shall not be listed as having an "active exclusion"  
13 on the U.S. government's "System for Award Management" database  
14 ([www.sam.gov](http://www.sam.gov)).  
15

16 3. **Subcontractor Responsibility**  
17

18 A. Criterion: The Bidder's standard subcontract form shall include the  
19 subcontractor responsibility language required by RCW 39.06.020, and the  
20 Bidder shall have an established procedure which it utilizes to validate the  
21 responsibility of each of its subcontractors. The Bidder's subcontract form shall  
22 also include a requirement that each of its subcontractors shall have and  
23 document a similar procedure to determine whether the sub-tier subcontractors  
24 with whom it contracts are also "responsible" subcontractors as defined by  
25 RCW 39.06.020.  
26

27 B. Documentation: The Bidder, if and when required as detailed below, shall  
28 submit a copy of its standard subcontract form for review by the Contracting  
29 Agency, and a written description of its procedure for validating the  
30 responsibility of subcontractors with which it contracts.  
31

32 4. **Prevailing Wages**  
33

34 A. Criterion: The Bidder shall not have a record of prevailing wage violations as  
35 determined by WA Labor & Industries in the five years prior to the bid  
36 submittal date, that demonstrates a pattern of failing to pay workers prevailing  
37 wages, unless there are extenuating circumstances and such circumstances are  
38 deemed acceptable to the Contracting Agency.  
39

40 B. Documentation: The Bidder, if and when required as detailed below, shall  
41 submit a list of all prevailing wage violations in the five years prior to the bid  
42 submittal date, along with an explanation of each violation and how it was  
43 resolved. The Contracting Agency will evaluate these explanations and the  
44 resolution of each complaint to determine whether the violation demonstrate a  
45 pattern of failing to pay its workers prevailing wages as required.  
46

1           5.       **Claims Against Retainage and Bonds**

- 2
- 3           A. Criterion: The Bidder shall not have a record of excessive claims filed against
- 4           the retainage or payment bonds for public works projects in the three years prior
- 5           to the bid submittal date, that demonstrate a lack of effective management by
- 6           the Bidder of making timely and appropriate payments to its subcontractors,
- 7           suppliers, and workers, unless there are extenuating circumstances and such
- 8           circumstances are deemed acceptable to the Contracting Agency.
- 9
- 10          B. Documentation: The Bidder, if and when required as detailed below, shall
- 11          submit a list of the public works projects completed in the three years prior to
- 12          the bid submittal date that have had claims against retainage and bonds and
- 13          include for each project the following information:
- 14
- 15               • Name of project
  - 16               • The owner and contact information for the owner;
  - 17               • A list of claims filed against the retainage and/or payment bond for any
  - 18               of the projects listed;
  - 19               • A written explanation of the circumstances surrounding each claim and
  - 20               the ultimate resolution of the claim.
- 21

22       6.       **Public Bidding Crime**

- 23
- 24          A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime
- 25          involving bidding on a public works contract in the five years prior to the bid
- 26          submittal date.
- 27          B. Documentation: The Bidder, if and when required as detailed below, shall sign a
- 28          statement (on a form to be provided by the Contracting Agency) that the Bidder
- 29          and/or its owners have not been convicted of a crime involving bidding on a
- 30          public works contract.
- 31

32       7.       **Termination for Cause / Termination for Default**

- 33
- 34          A. Criterion: The Bidder shall not have had any public works contract terminated
- 35          for cause or terminated for default by a government agency in the five years
- 36          prior to the bid submittal date, unless there are extenuating circumstances and
- 37          such circumstances are deemed acceptable to the Contracting Agency.
- 38
- 39          B. Documentation: The Bidder, if and when required as detailed below, shall sign a
- 40          statement (on a form to be provided by the Contracting Agency) that the Bidder
- 41          has not had any public works contract terminated for cause or terminated for
- 42          default by a government agency in the five years prior to the bid submittal date;
- 43          or if Bidder was terminated, describe the circumstances. .
- 44

45       8.       **Lawsuits**

46



- 1 A. Criterion: The Bidder shall not have lawsuits with judgments entered against the  
2 Bidder in the five years prior to the bid submittal date that demonstrate a pattern  
3 of failing to meet the terms of contracts, unless there are extenuating  
4 circumstances and such circumstances are deemed acceptable to the Contracting  
5 Agency  
6
- 7 B. Documentation: The Bidder, if and when required as detailed below, shall sign a  
8 statement (on a form to be provided by the Contracting Agency) that the Bidder  
9 has not had any lawsuits with judgments entered against the Bidder in the five  
10 years prior to the bid submittal date that demonstrate a pattern of failing to meet  
11 the terms of contracts, or shall submit a list of all lawsuits with judgments  
12 entered against the Bidder in the five years prior to the bid submittal date, along  
13 with a written explanation of the circumstances surrounding each such lawsuit.  
14 The Contracting Agency shall evaluate these explanations to determine whether  
15 the lawsuits demonstrate a pattern of failing to meet of terms of construction  
16 related contracts  
17

18 As evidence that the Bidder meets the mandatory and supplemental responsibility criteria  
19 stated above, the apparent two lowest Bidders must submit to the Contracting Agency by  
20 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a  
21 written statement verifying that the Bidder meets all of the mandatory and supplemental  
22 criteria together with supporting documentation including but not limited to that detailed  
23 above (sufficient in the sole judgment of the Contracting Agency) demonstrating  
24 compliance with all mandatory and supplemental responsibility criteria. The Contracting  
25 Agency reserves the right to request such documentation from other Bidders as well, and to  
26 request further documentation as needed to assess Bidder responsibility. The Contracting  
27 Agency also reserves the right to obtain information from third-parties and independent  
28 sources of information concerning a Bidder's compliance with the mandatory and  
29 supplemental criteria, and to use that information in their evaluation. The Contracting  
30 Agency may (but is not required to) consider mitigating factors in determining whether the  
31 Bidder complies with the requirements of the supplemental criteria.  
32

33 The basis for evaluation of Bidder compliance with these mandatory and supplemental  
34 criteria shall include any documents or facts obtained by Contracting Agency (whether  
35 from the Bidder or third parties) including but not limited to: (i) financial, historical, or  
36 operational data from the Bidder; (ii) information obtained directly by the Contracting  
37 Agency from others for whom the Bidder has worked, or other public agencies or private  
38 enterprises; and (iii) any additional information obtained by the Contracting Agency which  
39 is believed to be relevant to the matter.  
40

41 If the Contracting Agency determines the Bidder does not meet the bidder responsibility  
42 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall  
43 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees  
44 with this determination, it may appeal the determination within two (2) business days of the  
45 Contracting Agency's determination by presenting its appeal and any additional  
46 information to the Contracting Agency. The Contracting Agency will consider the appeal

1 and any additional information before issuing its final determination. If the final  
2 determination affirms that the Bidder is not responsible, the Contracting Agency will not  
3 execute a contract with any other Bidder until at least two business days after the Bidder  
4 determined to be not responsible has received the Contracting Agency's final  
5 determination.

6  
7 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with  
8 concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility  
9 Criteria may make or submit requests to the Contracting Agency to modify the criteria.  
10 Such requests shall be in writing, describe the nature of the concerns, and propose specific  
11 modifications to the criteria. Bidders shall submit such requests to the Contracting Agency  
12 no later than five (5) business days prior to the bid submittal deadline and address the  
13 request to the Project Engineer or such other person designated by the Contracting Agency  
14 in the Bid Documents.

#### 15 16 **1-02.15 Pre Award Information**

17 *(August 14, 2013 APWA GSP)*

18  
19 Revise this section to read:

20  
21 Before awarding any contract, the Contracting Agency may require one or more of these  
22 items or actions of the apparent lowest responsible bidder:

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

34  
35 *(December 29, 2008 R&E GSP)*

36 Section 1-02.15 is supplemented with the following:

- 37  
38 9. Evidence of financial resources and experience,
- 39 10. Organization and equipment the Bidder has available for the performance of the contract  
40 by the Bidder and each proposed subcontractor.

## 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 5 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, 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 **1-03.4 Contract Bond**

2 *(July 23, 2015 APWA GSP)*

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

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

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

36 **1-03.7 Judicial Review**

37 *(July 23, 2015 APWA GSP)*

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

40  
41 Any decision made by the Contracting Agency regarding the Award and execution of the

42 Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted

43 under Washington Law. Such review, if any, shall be timely filed in the Superior Court of

44 the county where the Contracting Agency headquarters is located, provided that where an

45 action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction.

1 **1-04 SCOPE OF THE WORK**

2  
3 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and**  
4 **Addenda**

5 *(March 13, 2012 APWA GSP)*

6 Revise the second paragraph to read:

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

- 10 1. Addenda,  
11 2. Proposal Form,  
12 3. Special Provisions,  
13 4. Contract Plans,  
14 5. Amendments to the Standard Specifications,  
15 6. Standard Specifications,  
16 7. Contracting Agency's Standard Plans or Details (if any), and  
17 8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.  
18

19 **1-04.6 Variation in Estimated Quantities**

20 *(May 25, 2006 APWA GSP; may not be used on FHWA-funded projects)*

21  
22 Supplement this Section with the following:

23  
24 The quantities for:

25  
26 Sawcut ACP  
27 Sawcut PCC  
28 Crushed Surfacing Top Course  
29 HMA Class 1/2" PG 64-22  
30 Planing Bituminous Pavement  
31 Inlet Protection  
32 Paint Line  
33

34 have been entered into the Proposal only to provide a common proposal for bidders. Actual  
35 quantities will be determined in the field as the work progresses, and will be paid at the  
36 original bid price, regardless of final quantity. These bid items shall not be subject to the  
37 provisions of 1-04.6 of the Standard Specifications.  
38

39 **1-05 CONTROL OF WORK**

40  
41 **1-05.4 Conformity with and Deviations from Plans and Stakes**

42 *(March 30, 2007 R&E GSP)*

43  
44 Section 1-05.4 is supplemented with the following:

45  
46 Survey stakes will be provided by the Contracting Agency in accordance with this Section, as  
47 supplemented by the following:

1. Clearing stakes (no vertical control) will be placed at the approximate limits of clearing prior to the Contractor's clearing and grubbing operations.
2. Cut/fill stakes will be placed after completion of clearing and grubbing. The Contractor shall designate a qualified supervising grade checker for the project. This grade checker shall meet with the Engineer prior to the beginning of grading operations in order to develop a mutually agreeable staking and notation system for the project.
3. Offset stakes and grade hubs will be provided for enclosed drain lines, sanitary sewer mains, water mains, manhole structures and fire hydrants, according to the system agreed on by the grade checker Engineer.
4. The Engineer will not provide grade hubs within the traveled way on any section of road concurrent with the Contractor's hauling operations on that particular section of road.
5. Grade hubs will be provided only for the top of the ballast course. In order to eliminate unnecessary destruction of grade hubs, these hubs will not be placed within the traveled way until grading has been completed to plus or minus 0.05 feet, based on cut stake information, and until the roadway where the hubs are to be placed has been compacted to the satisfaction of the Engineer.
6. Staking for curb and gutter will be set on intervals of 25 feet. Curb and gutter grades must conform to within plus or minus 0.02 feet of elevations shown on the Project Plans. Deviation from this specification will be cause for rejection of non-conforming work. Asphalt finish graded must conform to within plus or minus 0.03 feet of elevations shown on the Project Plans.
7. Any additional survey stakes not specified herein or any replacement of survey stakes provided, will be accomplished by the Engineer at the Contractor's expense. The City of Ferndale may require payment from the Contractor for such additional or redundant surveying in an amount not to exceed the labor and equipment costs directly assignable to the additional work. Such costs may be deducted from payments due the Contractor in accordance with the provisions of Section 1-05.4.
8. Any claim by the Contractor for extra compensation by reason of alterations or reconstruction work allegedly due to error in the Engineer's line and grade will not be considered unless the original control points set by the Engineer still exist.

#### **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

1 in the written notice, with Contracting Agency forces or by such other means as the  
2 Contracting Agency may deem necessary.

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

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

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

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

## 26 27 **1-05.11 Final Inspection**

28  
29 Delete this section and replace it with the following:

## 30 31 **1-05.11 Final Inspections and Operational Testing** 32 *(October 1, 2005 APWA GSP)*

### 33 34 **1-05.11(1) Substantial Completion Date**

35  
36 When the Contractor considers the work to be substantially complete, the Contractor shall so  
37 notify the Engineer and request the Engineer establish the Substantial Completion Date. The  
38 Contractor's request shall list the specific items of work that remain to be completed in order  
39 to reach physical completion. The Engineer will schedule an inspection of the work with the  
40 Contractor to determine the status of completion. The Engineer may also establish the  
41 Substantial Completion Date unilaterally.

42  
43 If, after this inspection, the Engineer concurs with the Contractor that the work is  
44 substantially complete and ready for its intended use, the Engineer, by written notice to the  
45 Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer

1 does not consider the work substantially complete and ready for its intended use, the  
2 Engineer will, by written notice, so notify the Contractor giving the reasons therefor.  
3

4 Upon receipt of written notice concurring in or denying substantial completion, whichever is  
5 applicable, the Contractor shall pursue vigorously, diligently and without unauthorized  
6 interruption, the work necessary to reach Substantial and Physical Completion. The  
7 Contractor shall provide the Engineer with a revised schedule indicating when the Contractor  
8 expects to reach substantial and physical completion of the work.  
9

10 The above process shall be repeated until the Engineer establishes the Substantial  
11 Completion Date and the Contractor considers the work physically complete and ready for  
12 final inspection.  
13

#### 14 **1-05.11(2) Final Inspection and Physical Completion Date**

15

16 When the Contractor considers the work physically complete and ready for final inspection,  
17 the Contractor by written notice, shall request the Engineer to schedule a final inspection.  
18 The Engineer will set a date for final inspection. The Engineer and the Contractor will then  
19 make a final inspection and the Engineer will notify the Contractor in writing of all  
20 particulars in which the final inspection reveals the work incomplete or unacceptable. The  
21 Contractor shall immediately take such corrective measures as are necessary to remedy the  
22 listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without  
23 interruption until physical completion of the listed deficiencies. This process will continue  
24 until the Engineer is satisfied the listed deficiencies have been corrected.  
25

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

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

32 Upon correction of all deficiencies, the Engineer will notify the Contractor and the  
33 Contracting Agency, in writing, of the date upon which the work was considered physically  
34 complete. That date shall constitute the Physical Completion Date of the contract, but shall  
35 not imply acceptance of the work or that all the obligations of the Contractor under the  
36 contract have been fulfilled.  
37

#### 38 **1-05.11(3) Operational Testing**

39

40 It is the intent of the Contracting Agency to have at the Physical Completion Date a complete  
41 and operable system. Therefore when the work involves the installation of machinery or  
42 other mechanical equipment; street lighting, electrical distribution or signal systems;  
43 irrigation systems; buildings; or other similar work it may be desirable for the Engineer to  
44 have the Contractor operate and test the work for a period of time after final inspection but  
45 prior to the physical completion date. Whenever items of work are listed in the Contract  
46 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**

*(August 14, 2013 APWA GSP)*

Delete the sixth and seventh paragraphs of this section.

**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.

1 Add the following new section:

2  
3 **1-05.17 Oral Agreements**

4 *(October 1, 2005 AWP A GSP)*

5  
6 No oral agreement or conversation with any officer, agent, or employee of the Contracting  
7 Agency, either before or after execution of the contract, shall affect or modify any of the  
8 terms or obligations contained in any of the documents comprising the contract. Such oral  
9 agreement or conversation shall be considered as unofficial information and in no way  
10 binding upon the Contracting Agency, unless subsequently put in writing and signed by the  
11 Contracting Agency.

12  
13 **1-06 CONTROL OF MATERIALS**

14  
15 **1-06.4 Handling and Storing Materials**

16 *(February 1, 2008 R&E GSP)*

17  
18 Section 1-06.4 is supplemented with the following:

19  
20 The Contractor shall make arrangements for storage of equipment and materials.

21  
22 No staging area is provided by the Contracting Agency.

23  
24 **1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

25  
26 **1-07.1 Laws to Be Observed**

27 *(October 1, 2005 APWA GSP)*

28  
29 Supplement this section with the following:

30  
31 In cases of conflict between different safety regulations, the more stringent regulation shall  
32 apply.

33  
34 The Washington State Department of Labor and Industries shall be the sole and paramount  
35 administrative agency responsible for the administration of the provisions of the Washington  
36 Industrial Safety and Health Act of 1973 (WISHA).

37  
38 The Contractor shall maintain at the project site office, or other well known place at the  
39 project site, all articles necessary for providing first aid to the injured. The Contractor shall  
40 establish, publish, and make known to all employees, procedures for ensuring immediate  
41 removal to a hospital, or doctor's care, persons, including employees, who may have been  
42 injured on the project site. Employees should not be permitted to work on the project site  
43 before the Contractor has established and made known procedures for removal of injured  
44 persons to a hospital or a doctor's care.  
45

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

## 11 **1-07.2 State Taxes**

12  
13 Delete this section, including its sub-sections, in its entirety and replace it with the following:  
14

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

16 *(June 27, 2011 APWA GSP)*  
17

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

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

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

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

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

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

2  
3 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or  
4 existing buildings, or other structures, upon real property. This includes, but is not limited to,  
5 the construction of streets, roads, highways, etc., owned by the state of Washington; water  
6 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such  
7 sewers and disposal systems are within, and a part of, a street or road drainage system;  
8 telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above  
9 streets or roads, unless such power lines become a part of a street or road lighting system;  
10 and installing or attaching of any article of tangible personal property in or to real property,  
11 whether or not such personal property becomes a part of the realty by virtue of installation.

12  
13 For work performed in such cases, the Contractor shall collect from the Contracting Agency,  
14 retail sales tax on the full contract price. The Contracting Agency will automatically add this  
15 sales tax to each payment to the Contractor. For this reason, the Contractor shall not include  
16 the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule  
17 170, with the following exception.

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

23 **1-07.2(3) Services**

24  
25 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract  
26 wholly for professional or other services (as defined in Washington State Department of  
27 Revenue Rules 138 and 244).

28  
29 **1-07.15 Temporary Water Pollution/Erosion Control**

30 *(February 1, 2008 R&E GSP)*

31  
32 Section 1-07.15 is supplemented with the following:

33  
34 Erosion Control shall include but not be limited to preventing storm water which has come in  
35 contact with disturbed or excavated areas from entering the storm drainage system. The  
36 contractor will not allow flow from existing ditches or ground water to come in contact with  
37 disturbed or excavated areas. The contractor shall be required to take any means necessary to  
38 prevent, control and stop water pollution or erosion within the project as shown on the Plans.

39  
40 **1-07.17 Utilities and Similar Facilities**

41 *(April 2, 2007 WSDOT GSP)*

42  
43 Section 1-07.17 is supplemented with the following:

44  
45 Locations and dimensions shown in the Plans for existing facilities are in accordance with  
46 available information obtained without uncovering, measuring, or other verification.

1 The following addresses and telephone numbers of utility companies known or suspected of  
2 having facilities within the project limits are supplied for the Contractor's convenience:  
3

4 Puget Sound Energy, 1660 Park Lane, Burlington, WA 98233  
5 Jane Major, (360)-766-5571  
6

7 Frontier Communications, 595 Pease Road, Burlington, WA 98233  
8 Barb Robinson, (360) 757-7624  
9

10 Comcast Cable, 400 Sequoia Drive, Bellingham, WA 98226  
11 Bill Inama (360) 527-8241  
12 Thomas Hall (253) 439-8955  
13

14 Cascade Natural Gas, 1910 Racine Street, Bellingham, WA 98229  
15 Brandon Haugnes, (360)-733-5986  
16

17 Black Rock Cable, Inc., 3229 Northshore Rd., Bellingham, WA 98226  
18 Randy Wilson, (360) 734-7930  
19

20 City of Ferndale Public Works, 2095 Main Street, Ferndale, WA 98248  
21 Bo Westford, (360)-384-4006  
22

## 23 **1-07.18 Public Liability and Property Damage Insurance**

24

25 Delete this section in its entirety, and replace it with the following:  
26

### 27 **1-07.18 Insurance**

28 *(January 24, 2011 APWA GSP)*  
29

#### 30 **1-07.18(1) General Requirements**

- 31 A. The Contractor shall obtain the insurance described in this section from insurers approved by  
32 the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be  
33 provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating  
34 Guide, which is licensed to do business in the state of Washington (or issued as a surplus line  
35 by a Washington Surplus lines broker). The Contracting Agency reserves the right to  
36 approve or reject the insurance provided, based on the insurer (including financial condition),  
37 terms and coverage, the Certificate of Insurance, and/or endorsements.  
38  
39 B. The Contractor shall keep this insurance in force during the term of the contract and for thirty  
40 (30) days after the Physical Completion date, unless otherwise indicated (see C. below).  
41 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all  
42 subsequent renewals, shall be no later than the effective date of this Contract. The policy  
43 shall state that coverage is claims made, and state the retroactive date. Claims-made form  
44 coverage shall be maintained by the Contractor for a minimum of 36 months following the  
45 Final Completion or earlier termination of this contract, and the Contractor shall annually  
46 provide the Contracting Agency with proof of renewal. If renewal of the claims made form

1 of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase  
2 an extended reporting period ("tail") or execute another form of guarantee acceptable to the  
3 Contracting Agency to assure financial responsibility for liability for services performed.  
4

5 D. The insurance policies shall contain a "cross liability" provision.  
6

7 E. The Contractor's and all subcontractors' insurance coverage shall be primary and non-  
8 contributory insurance as respects the Contracting Agency's insurance, self-insurance, or  
9 insurance pool coverage.  
10

11 F. The Contractor shall provide the Contracting Agency and all Additional Insureds with  
12 written notice of any policy cancellation, within two business days of their receipt of such  
13 notice.  
14

15 G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified  
16 copy of the insurance policy(s).  
17

18 H. The Contractor shall not begin work under the contract until the required insurance has been  
19 obtained and approved by the Contracting Agency.

20 I. Failure on the part of the Contractor to maintain the insurance as required shall constitute a  
21 material breach of contract, upon which the Contracting Agency may, after giving five  
22 business days notice to the Contractor to correct the breach, immediately terminate the  
23 contract or, at its discretion, procure or renew such insurance and pay any and all premiums  
24 in connection therewith, with any sums so expended to be repaid to the Contracting Agency  
25 on demand, or at the sole discretion of the Contracting Agency, offset against funds due the  
26 Contractor from the Contracting Agency.  
27

28 J. All costs for insurance shall be incidental to and included in the unit or lump sum prices of  
29 the contract and no additional payment will be made.  
30

### 31 **1-07.18(2) Additional Insured**

32 All insurance policies, with the exception of Professional Liability and Workers Compensation,  
33 shall name the following listed entities as additional insured(s):

- 34     ▪ the Contracting Agency and its officers, elected officials, employees, agents, and  
35         volunteers  
36

37 The above-listed entities shall be additional insured(s) for the full available limits of liability  
38 maintained by the Contractor, whether primary, excess, contingent or otherwise, irrespective of  
39 whether such limits maintained by the Contractor are greater than those required by this  
40 Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor  
41 pursuant to 1-07.18(3) describes limits lower than those maintained by the Contractor.  
42

### 43 **1-07.18(3) Subcontractors**

44 Contractor shall ensure that each subcontractor of every tier obtains and maintains at a minimum  
45 the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B. Upon request of the Contracting  
46 Agency, the Contractor shall provide evidence of such insurance.

1 **1-07.18(4) Evidence of Insurance**

2 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and  
3 endorsements for each policy of insurance meeting the requirements set forth herein when the  
4 Contractor delivers the signed Contract for the work. The certificate and endorsements must  
5 conform to the following requirements:

- 6 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.  
7 2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-  
8 07.18(2) as Additional Insured(s), showing the policy number. The Contractor may submit a  
9 copy of any blanket additional insured clause from its policies instead of a separate  
10 endorsement. A statement of additional insured status on an ACORD Certificate of  
11 Insurance shall not satisfy this requirement.  
12 3. Any other amendatory endorsements to show the coverage required herein.  
13

14 **1-07.18(5) Coverages and Limits**

15 The insurance shall provide the minimum coverages and limits set forth below. Providing  
16 coverage in these stated minimum limits shall not be construed to relieve the Contractor from  
17 liability in excess of such limits. All deductibles and self-insured retentions must be disclosed  
18 and are subject to approval by the Contracting Agency. The cost of any claim payments falling  
19 within the deductible shall be the responsibility of the Contractor.  
20

21 **1-07.18(5)A Commercial General Liability**

22 A policy of Commercial General Liability Insurance, including:

- 23 Per project aggregate  
24 Premises/Operations Liability  
25 Products/ Completed Operations – for a period of one year following final acceptance of the  
26 work.  
27 Personal/Advertising Injury  
28 Contractual Liability  
29 Independent Contractors Liability  
30 Stop Gap / Employers' Liability  
31 Explosion, Collapse, or Underground Property Damage (XCU)  
32 Blasting (only required when the Contractor's work under this Contract includes exposures to  
33 which this specified coverage responds)  
34

35 Such policy must provide the following minimum limits:

- 36 \$1,000,000 Each Occurrence  
37 \$2,000,000 General Aggregate  
38 \$1,000,000 Products & Completed Operations Aggregate  
39 \$1,000,000 Personal & Advertising Injury, each offence  
40

41 Stop Gap / Employers' Liability

- 42 \$1,000,000 Each Accident  
43 \$1,000,000 Disease - Policy Limit  
44 \$1,000,000 Disease - Each Employee  
45

46 **1-07.18(5)B Automobile Liability**

47 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**

*(January 2, 2012 WSDOT GSP)*

Section 1-07.23(1) is supplemented with the following:

##### **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:



<b>Regulatory Posted Speed</b>	<b>Distance From Traveled Way (Feet)</b>
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:

\*\*\* A one lane closure will be allowed during working hours.\*\*\*

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 PM (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.

*(December 8, 2008 R&E GSP)*

Section 1-07.23(1) is supplemented with the following:

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

Work over an open lane of traffic will not be allowed, unless a plan for the protection of the traveling public from objects falling onto the traveled way is approved by the Engineer. This protection shall remain in place during construction and meet minimum vertical clearance for the highway.

#### **Controlled Access**

No special access or egress will be allowed the Contractor other than normal legal movements or as shown in the plans.

#### **Pedestrian Access**

The Contractor shall keep all pedestrian routes and access point (including sidewalks and crosswalks when located within the project limits) open and clear at all times unless permitted otherwise by the Engineer in an approved traffic control plan.

## **Signs and Traffic Control Devices**

All signs and traffic control devices for the permitted closures shall only be installed during the hours specified on the plans. Construction signs, if placed earlier than the specified hours of closure, shall be turned or covered so as not to be visible to motorists.

## **Hours of Darkness**

The Contractor shall, at no additional cost to the Contracting Agency, make all arrangements for operations during hours of darkness. A portable illumination system, which will adequately illuminate the entire work area shall be provided. Flagger stations and advance warning signs shall be illuminated with a minimum **150-watt** floodlight and to the satisfaction of the Engineer. Flares are for emergency use and are not considered a proper method of illumination.

## **Hour Adjustment**

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 closures hours.

## **Advance Notification**

The Contractor shall be responsible for notifying private property owners, or tenants, five (5) working days in advance of scheduled interruptions of access to private roads or driveways. The Contractor shall notify the Engineer three (3) working days in advance of scheduled interruptions of access to private road or driveways. The Contractor shall only interrupt access to one half of any private road or driveway. The Contractor shall notify private property owners, or tenants, by having a representative of the Contractor personally contact the private property owner or tenant. If the property owner or tenant is not available, the Contractor shall leave a door hanger notice indicating the commencement date of work, duration of work, the type of work being done, and the Contractor's and Engineer's phone number and address for questions and concerns. The Engineer shall be provided adequate time to review, comment, and approve the door hanger notice prior to the Contractor placing any notices. Access shall be restored as soon as possible, but not later than the end of each working day. Any exception will only be allowed with the approval of the private property owner, or tenant, and the Engineer. All costs involved with public notification shall be incidental to the various bid items.

The Contractor shall notify the Engineer in writing 5 working days in advance of any lane closure, sidewalk closure, or both.

## **Public Notification**

The Contractor shall notify the local fire, police, emergency service, and city engineering departments; transit companies; and the affected school district(s) in writing a minimum of 5 working days prior to each closure. The Contractor shall furnish copies of these notifications to the Engineer.

*(December 11, 2015 R&E GSP)*

Section 1-07.23(1) is supplemented with the following:

1       **City of Ferndale Library Advance Notification**

2       The Contractor shall be responsible for notifying the City of Ferndale Library five (5)  
3       working days in advance of scheduled interruptions to the Main Street Library entrance. The  
4       Contractor shall notify the Engineer three (3) working days in advance of scheduled  
5       interruptions to the Main Street Library entrance. The Contractor shall notify City of  
6       Ferndale Library by having a representative of the Contractor personally contact the City of  
7       Ferndale Library. If the City of Ferndale Library representative is not available, the  
8       Contractor shall immediately notify the Engineer. All costs involved with the City of  
9       Ferndale Library notification shall be incidental to the various bid items.

10  
11       **Temporary Ramps Conforming to Accessibility Standards**

12       The Contractor shall install and maintain temporary crushed surfacing or hot mix asphalt  
13       ramps to provide a safe path of travel for mobility-impaired pedestrians at all locations where  
14       ramps have been temporarily removed OR needed to route pedestrians.

- 15  
16
  - Temporary ramps shall be constructed so installation and removal will not damage  
17       existing pavement, curb and/or gutter.
  - Ramps shall have a minimum 4' wide walking surface and a slope not to exceed 8%.
  - Ramps shall snugly meet existing surfaces without gaps.
  - When required for drainage, a Schedule 40 PVC pipe minimum 2" diameter shall be  
20       installed through the ramp.
  - Transitions between ramps and the street surface shall be smooth such that no lip  
21       exists at the base of the ramp.
  - Sides of a ramp shall be protected where there is any drop-off.

22  
23  
24  
25  
26       Hot mix asphalt or crushed surfacing top course required to maintain pedestrian access  
27       during the life of this contract shall be furnished and placed by the Contractor immediately  
28       upon request by the Engineer. The items designated shall be paid for per the unit contract bid  
29       prices and shall include removal if required.

30  
31       **1-07.24   Rights of Way**

32       *(July 23, 2015 APWA GSP)*

33  
34       Delete this section and replace it with the following:

35  
36       Street Right of Way lines, limits of easements, and limits of construction permits are  
37       indicated in the Plans. The Contractor's construction activities shall be confined within these  
38       limits, unless arrangements for use of private property are made.

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

44  
45       Whenever any of the work is accomplished on or through property other than public Right of  
46       Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement

1 agreement obtained by the Contracting Agency from the owner of the private property.  
2 Copies of the easement agreements may be included in the Contract Provisions or made  
3 available to the Contractor as soon as practical after they have been obtained by the Engineer.  
4

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

14 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This  
15 includes entry onto easements and private property where private improvements must be  
16 adjusted.  
17

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

32 **1-07.26 Personal Liability of Public Officers**  
33 *(February 1, 2008 R&E GSP)*  
34

35 Section 1-07.26 is revised to read:  
36

37 Neither the Mayor, the Ferndale City Council, employees of the City, or the Engineer shall  
38 be personally liable for any acts or failure to act in connection with the Contract, it being  
39 understood that in such matters, they are acting solely as agents of the City of Ferndale.  
40

1 **1-08 PROSECUTION AND PROGRESS**

2  
3 Add the following new section:

4  
5 **1-08.0 Preliminary Matters**

6 *(May 25, 2006 APWA GSP)*

7  
8 Add the following new section:

9  
10 **1-08.0(1) Preconstruction Conference**

11 *(October 10, 2008 APWA GSP)*

12  
13 Prior to the Contractor beginning the work, a preconstruction conference will be held  
14 between the Contractor, the Engineer and such other interested parties as may be invited.

15 The purpose of the preconstruction conference will be:

- 16 1. To review the initial progress schedule;  
17 2. To establish a working understanding among the various parties associated or  
18 affected by the work;  
19 3. To establish and review procedures for progress payment, notifications,  
20 approvals, submittals, etc.;  
21 4. To establish normal working hours for the work;  
22 5. To review safety standards and traffic control; and  
23 6. To discuss such other related items as may be pertinent to the work.  
24

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

- 26 1. A breakdown of all lump sum items;  
27 2. A preliminary schedule of working drawing submittals; and  
28 3. A list of material sources for approval if applicable.  
29

30 Add the following new section:

31  
32 **1-08.0(2) Hours of Work**

33 *(December 8, 2014 APWA GSP)*

34  
35 Except in the case of emergency or unless otherwise approved by the Engineer, the normal  
36 working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and  
37 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires  
38 different than the normal working hours stated above, the request must be submitted in  
39 writing prior to the preconstruction conference, subject to the provisions below. The  
40 working hours for the Contract shall be established at or prior to the preconstruction  
41 conference.  
42

43 All working hours and days are also subject to local permit and ordinance conditions (such as  
44 noise ordinances).  
45

46 If the Contractor wishes to deviate from the established working hours, the Contractor shall  
47 submit a written request to the Engineer for consideration. This request shall state what

1 hours are being requested, and why. Requests shall be submitted for review no later than  
2 **\$\$noon on the working day\$\$** prior to the day(s) the Contractor is requesting to change the  
3 hours.  
4

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

- 7 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting  
8 Agency for the costs in excess of straight-time costs for Contracting Agency  
9 representatives who worked during such times. (The Engineer may require  
10 designated representatives to be present during the work. Representatives who may  
11 be deemed necessary by the Engineer include, but are not limited to: survey crews;  
12 personnel from the Contracting Agency's material testing lab; inspectors; and other  
13 Contracting Agency employees or third party consultants when, in the opinion of the  
14 Engineer, such work necessitates their presence.)
- 15 2. Considering the work performed on Saturdays, Sundays, and holidays as working  
16 days with regard to the contract time.
- 17 3. Considering multiple work shifts as multiple working days with respect to contract  
18 time even though the multiple shifts occur in a single 24-hour period.
- 19 4. If a 4-10 work schedule is requested and approved the non working day for the week  
20 will be charged as a working day.
- 21 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and  
22 recorded properly on certified payroll  
23

#### 24 **1-08.1 Subcontracting**

25 Section 1-08.1 is supplemented with the following:  
26

27 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall  
28 submit to the Engineer a certification that a written agreement between the Contractor and  
29 the subcontractor or between the subcontractor and any lower tier subcontractor has been  
30 executed.  
31

32 A subcontractor or lower tier subcontractor will not be permitted to perform any work under  
33 the contract until the following documents have been completed and submitted to the  
34 Engineer:  
35

- 36 1. Request to Sublet Work (Form 421-012), and
- 37 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification.  
38

39 The Contractor's records pertaining to the requirements of this Special Provision shall be  
40 open to inspection or audit by representatives of the Contracting Agency during the life of  
41 the contract and for a period of not less than three years after the date of acceptance of the  
42 contract. The Contractor shall retain these records for that period. The Contractor shall also  
43 guarantee that these records of all subcontractors and lower tier subcontractors shall be  
44 available and open to similar inspection or audit for the same time period.  
45  
46

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

2 *(March 13, 2012 APWA GSP)*

3  
4 Revise this section to read:

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

12  
13 **1-08.4 Prosecution of Work**

14  
15 Delete this section in its entirety, and replace it with the following:

16  
17 **1-08.4 Notice to Proceed and Prosecution of Work**

18 *(June 27, 2011 APWA GSP)*

19  
20 Notice to Proceed will be given after the contract has been executed and the contract bond  
21 and evidence of insurance have been approved and filed by the Contracting Agency. The  
22 Contractor shall not commence with the work until the Notice to Proceed has been given by  
23 the Engineer. The Contractor shall commence construction activities on the project site  
24 within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The  
25 Contractor shall diligently pursue the work to the physical completion date within the time  
26 specified in the contract. Voluntary shutdown or slowing of operations by the Contractor  
27 shall not relieve the Contractor of the responsibility to complete the work within the time(s)  
28 specified in the contract.

29  
30 When shown in the Plans, the first order of work shall be the installation of high visibility  
31 fencing to delineate all areas for protection or restoration, as described in the Contract.  
32 Installation of high visibility fencing adjacent to the roadway shall occur after the placement  
33 of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon  
34 construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No  
35 other work shall be performed on the site until the Contracting Agency has accepted the  
36 installation of high visibility fencing, as described in the Contract.

37  
38 *(February 1, 2008 R&E GSP)*

39 Section 1-08.4 is supplemented with the following:

40  
41 **Project Meetings**

42 The Engineer shall be responsible for preparation of agenda, preparation of minutes and  
43 distribution of documentation. One set of the documentation will be sent to each  
44 participant. All meetings will be held at on-site, unless otherwise agreed upon.

45  
46 **Progress Meetings**

47 Regular Progress Meetings shall be schedule by the Engineer. Progress Meetings shall be

held weekly or as otherwise schedule by the Engineer.

The Progress Meeting agenda shall include, but not be limited to:

1. Review minutes of previous meeting, amend minutes if necessary, and accept minutes.
2. Review unresolved questions and issues from previous Progress Meetings and further consider those questions and issues.
3. Review new questions and issues regarding delays, coordination with other agencies, changed conditions or work scope, interferences, utilities, and requests for information (RFI's).
4. Review corrective measures to regain projected schedule
5. Review status of submittals, RFI's, change issues, as-built documentation, and other correspondence.
6. Review effects of proposed changes on progress schedule and coordination
7. Contractor to present updated look-ahead / as-built schedule describing activities to occur in the upcoming three weeks, and to document the as-built schedule for work accomplished since the prior meeting. Contractor to present the updated schedule at each regular weekly progress meeting.

#### **Coordination Meetings**

Coordination Meetings will commence after the NTP has been issued. The purpose of the Coordination Meetings is to coordinate the Contractor's Work with the work being done concurrently at the Site by others. Coordination meetings will be scheduled in conjunction with progress meetings when appropriate.

#### **Additional Meetings**

Additional meetings will be scheduled as necessary for the completion of various portions of the Work. Meetings will include pre-installation, pre-testing or other purpose as required by the specifications, conditions on the jobsite, or as requested by the Engineer or the project team.

All costs involved with the various meetings shall be incidental to the various bid items.

#### **1-08.5 Time for Completion**

*(March 13, 1995 WSDOT GSP)*

Section 1-08.5 is supplemented with the following:

This project shall be physically completed within **15** 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. The first working day shall be as noted on the Notice to Proceed.



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. Property owner releases per Section 1-07.24

#### **1-08.7 Maintenance During Suspension**

*(December 11, 2015 R&E GSP)*

Section 1-08.7 of the Standard Specifications is supplemented with the following:

If the Engineer determines that the Contractor has pursued the Work diligently and is unable to place the HMA in the roadway demolition areas shown on the Plans before the suspension, then the Contractor shall place cold mix in the roadway demolition areas and maintain the cold mix. This maintenance Work will include routine maintenance of:

1. Placing and compacting cold mix in the roadway demolition areas;
2. Removing the damaged cold mix when directed by the Engineer;
3. Placing and compacting new cold mix in the roadway demolition areas when directed by the Engineer;

4. Repeating this process as directed by the Engineer during the suspension of Work. After any suspension during which the Contractor has done the routine maintenance in the roadway demolition areas and the Contracting Agency has borne the costs for the maintenance, the Contractor shall accept the traveled Roadway as is when Work resumes. The Contractor shall make no claim against the Contracting Agency for the condition of the Roadway.

## **Measurement**

Contractor provided cold mix maintenance as described in this Section shall be measured by the cubic yard.

## **Payment**

The unit Contract price per cubic yard for "Cold Mix Maintenance" shall be full compensation for all costs incurred for placing, maintaining, excavating, loading, or otherwise disposing of the material.

# **1-09 MEASUREMENT AND PAYMENT**

## **1-09.2 Weighing Equipment**

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

*(February 1, 2008 R&E GSP)*

Section 1-09.2(1) is supplemented with the following:

Truck certified weight tickets must be machine-printed with gross, tare and net weights. Additional information required on each weight ticket: Truck Number, Driver's Name, Date, Load Time and Date, Load Site, Unload Time and Date, Unload Site. No handwritten weight tickets will be accepted.

At the Engineer's request, the Contractor shall provide the Engineer with a list of hauling vehicles and the licensed legal or permitted gross weight for each vehicle.

### **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 *(February 1, 2008 R&E GSP)*

2 Section 1-09.6 is supplemented with the following:

3  
4 No claim for force account shall be allowed except upon written order by the Engineer prior  
5 to the performance of the work. The Contractor shall submit the required force account  
6 documentation to the Engineer on a daily basis unless agreed otherwise. The Contractor and  
7 the Engineer shall review all work or material to be paid for under force account on a daily  
8 basis unless agreed otherwise. The Contractor may propose corrections to the force account  
9 quantities and shall supply supporting documentation to the Engineer within 2 working days,  
10 unless agreed otherwise, of having reviewed the force account quantities with the Engineer.  
11

### 12 **1-09.7 Mobilization**

13 *(December 11, 2015 R&E GSP)*

14  
15 Section 1-09.7 of the Standard Specifications is supplemented with the following:

#### 16 **Remobilization**

17 The intent of the Contract is to diligently pursue the Work and to complete the Work within  
18 the number of specified working days.  
19  
20

21 Should the Engineer order a suspension of all or any part of the Work because unsuitable  
22 weather prevents satisfactory and timely performance of the Work as per item 1 of the first  
23 paragraph of Section 1-08.6, then the Contractor shall be paid "Remobilization" per lump  
24 sum upon returning to work on the project. The Contractor shall not be paid  
25 "Remobilization" per lump sum and shall make no claim for such payment if the Work is  
26 suspended for any reason other than item 1 of the first paragraph of Section 1-08.6 or if the  
27 Work is not suspended at all. Further a suspension of Work shall be determined solely by the  
28 Engineer and done so by written order. Unworkable days as defined in Section 1-08.5 shall  
29 not be considered a suspension of Work.  
30

31 Remobilization consists of the expenses and operations performed by the Contractor to  
32 suspend Work operations and subsequently return to the project site at a later date and which  
33 is the direct result of a suspension of Work as described above. Items which are not included  
34 in the cost of Remobilization include but are not limited to:

- 35 1. Any portion of the Work covered by the specific Contract item or incidental Work  
36 which is to be included in a Contract item or items.
- 37 2. Profit, interest on borrowed money, overhead, or management costs.
- 38 3. Any costs of mobilizing equipment for force account work.
- 39 4. Changes in equipment or labor rates which are not specified in the Contract.  
40  
41  
42  
43  
44  
45  
46

1 **1-09.9 Payments**

2 *(March 13, 2012 APWA GSP)*

3  
4 Supplement this section with the following:

5  
6 Lump sum item breakdowns are not required when the bid price for the lump sum item is less  
7 than \$20,000.

8  
9 *(March 13, 2012 APWA GSP)*

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

11  
12 The basis of payment will be the actual quantities of Work performed according to the  
13 Contract and as specified for payment.

14  
15 The Contractor shall submit a breakdown of the cost of lump sum bid items at the  
16 Preconstruction Conference, to enable the Project Engineer to determine the Work performed  
17 on a monthly basis. A breakdown is not required for lump sum items that include a basis for  
18 incremental payments as part of the respective Specification. Absent a lump sum  
19 breakdown, the Project Engineer will make a determination based on information available.  
20 The Project Engineer's determination of the cost of work shall be final.

21  
22 Progress payments for completed work and material on hand will be based upon progress  
23 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the  
24 preconstruction conference.

25  
26 The initial progress estimate will be made not later than 30 days after the Contractor  
27 commences the work, and successive progress estimates will be made every month thereafter  
28 until the Completion Date. Progress estimates made during progress of the work are  
29 tentative, and made only for the purpose of determining progress payments. The progress  
30 estimates are subject to change at any time prior to the calculation of the final payment.

31  
32 The value of the progress estimate will be the sum of the following:

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

42  
43 Progress payments will be made in accordance with the progress estimate less:

- 44 1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;  
45 2. The amount of progress payments previously made; and

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

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

7  
8           **1-09.11(3)     Time Limitation and Jurisdiction**  
9           *(July 23, 2015 APWA GSP)*

10  
11          Delete this section and replace it with the following:

12  
13          For the convenience of the parties to the Contract it is mutually agreed by the parties that any  
14          claims or causes of action which the Contractor has against the Contracting Agency arising  
15          from the Contract shall be brought within 180 calendar days from the date of final acceptance  
16          (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any  
17          such claims or causes of action shall be brought only in the Superior Court of the county  
18          where the Contracting Agency headquarters is located, provided that where an action is  
19          asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties  
20          understand and agree that the Contractor's failure to bring suit within the time period  
21          provided, shall be a complete bar to any such claims or causes of action. It is further  
22          mutually agreed by the parties that when any claims or causes of action which the Contractor  
23          asserts against the Contracting Agency arising from the Contract are filed with the  
24          Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency  
25          to have timely access to any records deemed necessary by the Contracting Agency to assist in  
26          evaluating the claims or action.

27  
28           **1-09.13 Claims Resolution**

29  
30           **1-09.13(3)A   Administration of Arbitration**  
31           *(October 1, 2005 APWA GSP)*

32  
33          Revise the third paragraph to read:

34  
35          The Contracting Agency and the Contractor mutually agree to be bound by the decision of  
36          the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the  
37          Superior Court of the county in which the Contracting Agency's headquarters are located.  
38          The decision of the arbitrator and the specific basis for the decision shall be in writing. The  
39          arbitrator shall use the contract as a basis for decisions.

40  
41           **1-10    TEMPORARY TRAFFIC CONTROL**

42  
43           **1-10.1    General**  
44           *(March 17, 2010 R&E GSP)*  
45           Section 1-10.1 is supplemented with the following:

1 During grading operations, the elevation difference between the portion of the traveled way  
2 open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to  
3 allow cross traffic.  
4

5 In addition, for any modifications to the access provisions, the Contractor shall furnish  
6 satisfactory documentation that the affected property owners concur with the proposed  
7 change. The Contractor shall be responsible to coordinate with and make the necessary  
8 arrangements to accommodate the access requirements of the affected property owners and  
9 the public services.  
10

11 If a modification to traffic control is deemed necessary by the Engineer, the contractor shall  
12 immediately implement any requested modification(s). The need for flashing warning lights  
13 shall be as determined by the Engineer. The cost of modifications to the traffic control plans  
14 as directed by the Engineer shall be considered incidental to the Contract.  
15

16 The Contractor shall determine and place signs in accordance with the Manual on Uniform  
17 Traffic Control Devices (MUTCD) and the Plans. A traffic control plan shall be submitted to  
18 the Engineer for review and approval prior to the beginning of construction.  
19

## 20 **1-10.2 Traffic Control Management**

21 *(February 4, 2008 R&E GSP)*  
22

23 Section 1-10.2 is supplemented with the following:  
24

25 Before beginning work on the project, the Contractor shall designate a Traffic Control  
26 Supervisor. The Contractor shall provide the Engineer with a list of names and phone  
27 numbers of not more than six supervisory employees that may be called for traffic control, as  
28 needed, during working or non-working hours. The Contractor shall have at least one of  
29 these employees available at any time.  
30

31 If the Contractor's employees are not available in a timely manner to take care of emergency  
32 traffic control work, Contracting Agency forces will perform this work on behalf of the  
33 Contractor. If Contracting Agency forces provide emergency traffic control, the costs to the  
34 Contracting Agency will be deducted from progress payments due the Contractor in  
35 accordance with Section 1-10.1 of the Standard Specifications.  
36

### 37 **1-10.2(1) General**

38 *(December 1, 2008 WSDOT GSP)*  
39

40 Section 1-10.2(1) is supplemented with the following:  
41

42 Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the  
43 State of Washington. The Traffic Control Supervisor shall be certified by one of the following:  
44

45 The Northwest Laborers-Employers Training Trust  
46 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

#### **1-10.2(2) Traffic Control Plans** *(February 4, 2008 R&E GSP)*

Section 1-10.2(2) is supplemented with the following:

The Series K WSDOT Standard Plans are included in the contract documents as an appendix. These standard plans and the Traffic Control Plans included in the Contract Documents shall be considered as the project TCP's. The contractor may choose to submit alternate TCP's for approval as outlined in this section.

Any modifications to existing plans or new traffic plans shall be submitted to the Engineer for review and approval a minimum of five (5) working days prior to institution of the plan.

#### **1-10.3 Traffic Control Labor, Procedures and Devices**

##### **1-10.3(3) Traffic Control Devices** *(February 4, 2008 R&E GSP)*

Section 1-10.3 is supplemented with the following:

As may be indicated in the Signing Plan or Traffic Control Plan, the Contractor may be required to install signs, warning lights, or both, on barricades.

#### **1-10.4 Measurement**

##### **1-10.4(3) Reinstating Unit Items With Lump Sum Traffic Control**

Section 1-10.4(3) is supplemented with the following:  
*(August 2, 2004 WSDOT GSP)*

1 The bid proposal contains the item "Project Temporary Traffic Control," lump sum and  
2 the additional temporary traffic control items listed below. The provisions of Section 1-  
3 10.4(1), Section 1-10.4(3), and Section 1-10.5(3) shall apply.  
4

5 "Flaggers and Spotters"

6 "Other Traffic Control Labor"



**DIVISION 2**  
**EARTHWORK**

**2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

**2-01.1 Description**

*(February 4, 2008 R&E GSP)*

Section 2-01.1 is supplemented with the following:

This item also includes any clearing and grubbing necessary for the construction of driveways, storm drain system, and the reconstruction of intersecting roads shown on the plans.

Clearing and Grubbing work includes removal and disposal of topsoil to a depth of 6-inches and trees as shown on the plans. In addition to natural materials, clearing and grubbing shall also include removing and disposing of all refuse and any remaining structures, obstructions, trees and/or tree stumps within the right-of-way excluding contiguous pavement or structures identified under "Removal of Structures and Obstructions", as directed by the Engineer.

**2-01.2 Disposal of Useable Material and Debris**

*(February 4, 2008 R&E GSP)*

Section 2-01.2 is supplemented with the following:

Unless otherwise provided in the specifications, all material removed under this item shall become the property of the Contractor.

**2-01.2(1) Disposal Method No. 1 - Open Burning**

*(February 4, 2008 R&E GSP)*

Section 2-01.2(1) is supplemented with the following:

Disposal method No. 1 shall not be permitted within the project limits.

**2-01.2(3) Disposal Method No. 3 - Chipping**

*(March 17, 2010 R&E GSP)*

Section 2-01.2(3) is supplemented with the following:

Revise the fourth sentence to read:

"All chips shall become the property of the Contractor and shall be removed".

1 **2-01.3 Construction Requirements**

2  
3 **2-01.3(1) Clearing**

4 *(February 4, 2008 R&E GSP)*

5  
6 Section 2-01.3(1) is supplemented with the following:

- 7  
8 8. The Contractor shall clear all areas staked and flagged by the Engineer prior to the  
9 placement of cut/fill stakes, offset stakes or grade hubs.  
10 9. Tree trimming shall be sequenced so that overhanging limbs are removed prior to  
11 commencing construction activities. Construction activities include equipment staging,  
12 materials storage, and worker-vehicle parking.  
13 10. When tree roots are encountered during construction activities, the Contractor shall  
14 carefully expose all roots greater than 1 inch diameter, either by hand or gently with the  
15 machine bucket, and then cut cleanly with lopper or saw. Pulling and wrenching of the  
16 roots shall not be allowed.  
17

18 **2-01.3(2) Grubbing**

19  
20 Section 2-01.3(2) is supplemented with the following:

- 21  
22 f. Stumps shall be removed except where doing so would damage water, sewer lines or  
23 other utilities. Voids left by stump removal shall be backfilled with a granular material  
24 and compacted in accordance with Section 2-03.3(14)C. Unless otherwise noted, all  
25 materials removed shall become the property of the Contractor and shall be disposed of  
26 outside the project limits.  
27 g. If equipment outriggers are placed between the proposed sidewalk and the trees, the  
28 Contractor shall place plywood or large wood chips to spread out the weight of the  
29 outriggers.  
30

31 **2-01.5 Payment**

32 *(February 4, 2008 R&E GSP)*

33  
34 Section 2-01.5 is supplemented with the following:

35  
36 "Clearing and Grubbing," lump sum. No additional payment shall be made for haul. Any  
37 other clearing and grubbing not specifically identified as being paid for elsewhere will be  
38 considered incidental to this bid item and no other payment shall be made.  
39

40 **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

41  
42 **2-02.1 Description**

43 *(September 15, 2008 R&E GSP)*

44  
45 Section 2-02.1 is supplemented with the following:

Also included will be existing asphalt concrete pavement, chip seal, cement concrete curbs, gutter, sidewalk, driveways, retaining walls, culverts, ecology blocks, guardrail and posts, plugging drainage pipes, landscaping structures, fire hydrants, fences, and other structures necessary to complete the work indicated on the plans or as directed by the Engineer. Equipment, labor, and materials necessary to perform the work as specified shall be considered a portion of this work. All material shall be hauled offsite to a permitted, Contractor provided disposal site in accordance with Section 2-03.3(7)C. No payment will be made for haul.

## **2-02.3 Construction Requirements**

*(February 4, 2008 R&E GSP)*

Section 2-02.3 is supplemented with the following:

### **Utility Removal**

Cavities left by removal of features by other parties, i.e., utility poles or other obstructions, shall be backfilled and compacted by the Contractor in accordance with Section 2-03.3(14)C.

### **Use of Explosives**

Explosives shall not be used in the demolition.

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

*(March 9, 2008 R&E GSP)*

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

Delete Item 1. No on-site burial of pavement, sidewalks, curbs and gutters, is allowed.

Item 3 is supplemented with the following: "At locations where the existing concrete is to remain, the horizontal sawcut line shall not vary more than 1/8 inch along the edge of a 10-foot straightedge placed on the surface parallel to the horizontal sawcut line."

### **Removal of Cement Concrete Curb, Gutter and Sidewalk**

The Contractor shall use a sawcut to delineate the curb, gutter and sidewalk to be removed from curb, gutter and sidewalk to remain. The Contractor shall take care to avoid damaging adjacent curb, gutter and sidewalk to remain. Any damage caused to the curb, gutter and sidewalk to remain, as a result of the Contractor's operations, shall be repaired to the satisfaction of the Engineer at no additional cost to the Contracting Agency.

## **2-02.4 Measurement**

*(February 4, 2008 R&E GSP)*

Section 2-02.4 is supplemented with the following:

Saw-cut ACP will be measured by the linear foot-inch along the line and slope of the cut prior to sawcutting and as staked by the Engineer.

1 Saw-cut PCC will be measured by the linear foot-inch along the line and slope of the cut  
2 prior to sawcutting and as staked by the Engineer.

#### 3 4 **2-02.5 Payment**

5 *(February 4, 2008 R&E GSP)*

6  
7 Section 2-02.5 is supplemented with the following:

8  
9 The lump sum contract price for "Removal of Structures and Obstructions" shall be full  
10 compensation for all tools, equipment, materials, and labor to excavate and dispose of the  
11 above materials, including Haul and disposal fees. Removal of any structures and  
12 obstructions readily apparent by visual inspection from the ground surface and not identified  
13 elsewhere will be considered incidental to this bid item.

14  
15 The unit contract price per linear foot-inch for "Saw-cut ACP" and "Saw-cut PCC" as  
16 indicated on the Bid Proposal shall be full compensation for all labor, including hand  
17 removal if required, material, tools and equipment required to complete the Bid Items in  
18 accordance with Section 1-04.1.

#### 19 20 **2-03 ROADWAY EXCAVATION AND EMBANKMENT**

##### 21 22 **2-03.1 Description**

23 *(July 28, 2015 R&E GSP)*

24  
25 Section 2-03.1 is supplemented with the following:

26  
27 The work described in this section, regardless of the nature or type of the materials  
28 encountered includes excavating and grading the roadway and areas for curb, gutter and  
29 sidewalk, driveways, excavating material placed in the temporary ditch, excavating in borrow  
30 pits, excavating below grade, removing slide materials and disposing of all excavated  
31 material. Any excavation or embankment required to maintain positive drainage to or from  
32 drainage ditches or swales will be considered incidental to this bid item. This item also  
33 includes any excavation required to construct new driveway grades.

34  
35 Excess material shall become the property of the contractor for disposal. This work may  
36 include temporary stockpiling of material as dictated by the contractors operations. No  
37 specific stockpile sites are provided within the project limits, however on-site stockpiling  
38 may be permitted as approved by the Engineer. The costs for stockpiling shall be included in  
39 the bid items in this section.

##### 40 41 **2-03.3(7)C Contractor-Provided Disposal Site**

42 Section 2-03.3(7)C is supplemented with the following:

43  
44 Before completing any filling outside of the project limits, the Contractor, or property owner  
45 desiring to receive the fill, shall acquire all permits and approvals required for the use of the  
46 disposal site.

1 **2-03.3(14)C Compacting Earth Embankments**

2 Section 2-03.3(14)C is supplemented with the following:

3  
4 Only Method B is allowed.

5  
6 **2-03.4 Measurement**

7 Section 2-03.4 is supplemented with the following

8  
9 Only one determination of the original ground elevation will be made on this project.  
10 Measurement for roadway excavation will be based on the original ground elevations  
11 recorded previous to the award of this contract with the volume of sidewalk, planing  
12 bituminous pavement, and asphalt concrete pavement deducted. Control stakes will be set  
13 during construction to provide the Contractor with all essential information for the  
14 construction of excavation.

15  
16 If discrepancies are discovered in the ground elevations which will materially affect the  
17 quantities of earthwork, the original computations of earthwork quantities will be adjusted  
18 accordingly.

19  
20 Earthwork quantities will be computed, either manually or by means of electronic data  
21 processing equipment, by use of the average end area method or by the finite element  
22 analysis method utilizing digital terrain modeling techniques.

23  
24 Copies of the ground cross-section notes will be available for the bidder's inspection, before  
25 the opening of bids, at the Engineer's office.

26  
27 Upon award of the contract, copies of the original ground cross-sections will be furnished to  
28 the successful bidder on request to the Engineer.

29  
30 Removal of Asphalt Concrete Pavement and sidewalk will not be measured under this bid  
31 item. Pavement and sidewalk removal shall be paid under the bid items "Removal of  
32 Structures and Obstructions".

33  
34 **2-03.5 Payment**

35 Section 2-03.5 is supplemented with the following:

36  
37 The unit contract price per cubic yard for "Roadway Excavation Including Haul" shall be  
38 compensation for all labor, materials, tools and equipment necessary to excavate, shape, load,  
39 or otherwise dispose of surplus or unsuitable material off-site as specified herein. This item  
40 shall include the cost of compacting and proof rolling the subgrade.

41  
42 **2-04 HAUL**

43  
44 **2-04.4 Measurement**

45 *(February 5, 2008 R&E GSP)*

46  
47 Section 2-04.4 is revised to read:

1 No specific unit of measurement shall apply. All costs involved for haul shall be incidental  
2 to and included in the various bid items.  
3

4 **2-04.5 Payment**

5 *(February 5, 2008 R&E GSP)*  
6

7 Section 2-04.5 is deleted in its entirety.  
8

9 **2-07 WATERING**  
10

11 **2-07.4 Measurement**

12 *(September 15, 2008 R&E GSP)*  
13

14 Section 2-07.4 is supplemented with the following:  
15

16 The Contractor shall provide water distribution records including truck tickets and operator time  
17 records if requested by the Engineer. The Contractor will not be allowed to use City water from  
18 fire hydrant without first renting a backflow preventer and meter from the City. Use of City  
19 water must be pre-approved by the Public Works Department. If Contracting Agency water is  
20 used, water meter records will be recorded and used as the basis for payment.  
21

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**DIVISION 5**  
**SURFACE TREATMENTS AND PAVEMENTS**

**5-04 HOT MIX ASPHALT**

**5-04.3 Construction Requirements**

*(February 25, 2008 R&E GSP)*

Section 5-04.3 is supplemented with the following:

All castings within paved areas shall be adjusted to finished grade after the final lift of paving as shown on the plans and paid per Section 7-05.5.

*(December 11, 2015 R&E GSP)*

Section 5-04.3 is supplemented with the following:

Petrotac shall be installed per manufacturer's 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 ~~\$\$\$Project Limits\$\$.~~

**5-04.3(5)A Preparation Of Existing Surfaces**

*(March 9, 2010 R&E GSP)*

Section 5-04.3(5)A is supplemented with the following:

Tack coat shall be uniformly applied to cover the face of the gutter abutting the HMA with a thin film of residual asphalt free of streaks and bare spots.

The Contractor shall limit the amount of tack coat placed to that amount that will be fully covered by the asphalt overlay at the end of each work shift.

*(NWR February 9, 2004)*

The Contractor shall ensure that the asphalt for tack coat does not enter into State waters, including wetlands.

In accordance with Section 1-07.15(1) **Spill Prevention, Control and Countermeasures Plan** (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be taken in the event that the paving operation is suspended or terminated prior to the asphalt for tack coat being fully covered.

**5-04.3(5)C Crack Sealing**

*(February 25, 2008 R&E GSP)*



1 Section 5-04.3(5)C is supplemented with the following:

2  
3 All joints shall be sealed with using Rubberized Asphalt meeting the requirement of section  
4 9-04.10.

5  
6 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

7  
8 Delete this section and replace it with the following:

9  
10 **5-04.3(7)A2 Nonstatistical Evaluation**

11 *(January 16, 2014 APWA GSP)*

12  
13 Mix designs for HMA accepted by Nonstatistical evaluation shall;

- 14 • Be submitted to the Project Engineer on WSDOT Form 350-042
- 15 • Have the aggregate structure and asphalt binder content determined in accordance with
- 16 WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-
- 17 03.8(2) and 9-03.8(6).
- 18 • Have anti-strip requirements, if any, for the proposed mix design determined in
- 19 accordance with WSDOT Test Method T 718 or based on historic anti-strip and
- 20 aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA
- 21 mix designs utilized that include RAP will be completed without the inclusion of the
- 22 RAP.

23  
24 At or prior to the preconstruction meeting, the contractor shall provide one of the following mix  
25 design verification certifications for Contracting Agency review;

- 26  
27 • The proposed mix design indicated on a WSDOT mix design/anti-strip report that is
- 28 within one year of the approval date
- 29 • The proposed HMA mix design submittal (Form 350-042) with the seal and certification
- 30 (stamp & signature) of a valid licensed Washington State Professional Engineer.
- 31 • The proposed mix design by a qualified City or County laboratory mix design report that
- 32 is within one year of the approval date.

33  
34 The mix design will be performed by a lab accredited by a national authority such as Laboratory  
35 Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials  
36 Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall  
37 supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL)  
38 program.

39  
40 At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year  
41 verification period with a certification from the Contractor that the materials and sources are the  
42 same as those shown on the original mix design.

43  
44 **5-04.3(8)A1 General**

45 *(January 16, 2014 APWA GSP)*

1 Delete this section and replace it with the following:

2 Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

3  
4 Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the  
5 contract documents.

6  
7 The mix design will be the initial JMF for the class of HMA. The Contractor may request a  
8 change in the JMF. Any adjustments to the JMF will require the approval of the Project  
9 Engineer and must be made in accordance with Section 9-03.8(7).

10  
11 Commercial evaluation may be used for Commercial HMA and for other classes of HMA in  
12 the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores,  
13 prelevel, and pavement repair. Other nonstructural applications of HMA accepted by  
14 commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of  
15 HMA accepted by commercial evaluation will be at the option of the Project Engineer.  
16 Commercial HMA can be accepted by a contractor certificate of compliance letter stating the  
17 material meets the HMA requirements defined in the contract.

18  
19 **5-04.3(8)A4 Definition of Sampling Lot and Sublot**

20 *(January 16, 2014 APWA GSP)*

21  
22 Section 5-04.3(8)A4 is supplemented with the following:

23  
24 For HMA in a structural application, sampling and testing for total project quantities less than  
25 400 tons is at the discretion of the engineer. For HMA used in a structural application and with  
26 a total project quantity less than 800 tons but more than 400 tons, a minimum of one  
27 acceptance test shall be performed:

- 28 i. If test results are found to be within specification requirements, additional testing  
29 will be at the engineers discretion.  
30 ii. If test results are found not to be within specification requirements, additional  
31 testing as needed to determine a CPF shall be performed.

32  
33 **5-04.3(8)A5 Test Results**

34 *(January 16, 2014 APWA GSP)*

35  
36 The first paragraph of this section is deleted.

37  
38 **5-04.3(8)A6 Test Methods**

39 *(January 16, 2014 APWA GSP)*

40  
41 Delete this section and replace it with the following:

42  
43 Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If  
44 tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing  
45 for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing  
46 for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

1  
2 **5-04.3(9) Spreading And Finishing**  
3 *(February 25, 2008 R&E GSP)*

4 Section 5-04.3(9) is supplemented with the following:

5  
6 During grading operations, the elevation difference between the portion of the traveled way  
7 open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to  
8 allow cross traffic.  
9

10 **5-04.3(14) Planing Bituminous Pavement**  
11 *(March 9, 2010 R&E GSP)*  
12

13 Section 5-04.3(14) is supplemented with the following:

14  
15 **Transverse Joints**

16 Unless specifically directed by the Engineer, all connections to existing asphalt shall be by a  
17 vertical sawcut abutting the pavements together and heated prior to mat construction. All  
18 joints of new hot mix asphalt to an existing pavement shall be sealed with an appropriate  
19 asphalt joint sealer. The Contractor shall construct and maintain a temporary hot mix asphalt  
20 wedge in accordance with Section 5-04.3(12) across the entire width of the transverse edge  
21 when traffic is allowed prior to paving. The wedge shall be constructed before opening the  
22 lane to traffic. The Contractor shall remove the wedge immediately prior to paving.  
23

24 **Beveled Edge Planing**

25 A beveled edge shall be constructed in areas with a planed depth of more than 0.20 foot that  
26 will not be paved during the same work shift.  
27

28 The Contractor shall use a beveled cutter on the mandrel of the planing equipment, or other  
29 approved method(s), to eliminate the vertical edge(s). The beveled edge(s) shall be  
30 constructed at a 4:1 slope.  
31

32 **5-04.5 Payment**  
33

34 Section 5-04.5 is supplemented with the follows:  
35 *(December 11, 2015 R&E GSP)*  
36

37 All reference to measurement and payment of Petrotac are deleted. All costs for furnishing,  
38 installing, and performing these items shall be incidental to and included in the unit bid price  
39 of various HMA items.  
40

1 **DIVISION 8**

2 **MISCELLANEOUS CONSTRUCTION**

3  
4 **8-01 EROSION CONTROL AND WATER POLLUTION CONROL**

5  
6 **8-01.4 Measurement**

7 *(March 18, 2010, 2008 R&E GSP)*

8 Section 8-01.4 is supplemented with the following:

9  
10 No specific unit of measure shall apply to the lump sum item “ESC Lead.”

11  
12 **8-01.5 Payment**

13 *(March 18, 2010 R&E GSP)*

14 Section 8-01.5 is supplemented with the following:

15  
16 The first item, “ESC Lead”, is revised to read:

17  
18 “ESC Lead”, lump sum.

19  
20 The sixth item, “Inlet Protection” of Section 8-01.5 is revised to read:

21  
22 “Inlet Protection”, per each. The unit contract price per each for inlet protection shall include  
23 all costs for removal and disposal of accumulated debris, inlet protection maintenance, and  
24 inlet protection removal and disposal.

25  
26 **8-02 ROADSIDE RESTORATION**

27  
28 **8-02.4 Measurement**

29 *(March 18, 2010 R&E GSP)*

30 Section 8-02.4, is supplemented with the following:

31  
32 Work performed under the item “Landscape Restoration” shall be measured in accordance  
33 with Section 1-09.6 Force Account.

34  
35 **8-02.5 Payment**

36 *(February 7, 2008 R&E GSP)*

37 Section 8-02.5 is supplemented with the following:

38  
39 Payment for “Landscape Restoration” shall be on a force account basis as per Section 1-09.  
40 For the purpose of providing a common proposal for all bidders, and for that purpose only,  
41 the Contracting Agency has established the amount of force account for this item and has  
42 entered the amount in the bid proposal to become a part of the total bid by the Contractor.

43  
44 **8-04 CURBS, GUTTERS, AND SPILLWAYS**

45  
46 **8-04.3 Construction Requirements**

47  
48 **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

1 Section 8-04.3(1) is supplemented with the following:

2  
3 Depressed curb driveways and wheel chair ramp openings shall be provided at such locations  
4 as directed by the Engineer or shown on the Plans. All curved sections with a radius less  
5 than 500 feet shall be formed in arc sections to match the radii detailed in the Plans. The  
6 Contractor shall provide temporary ramps over new concrete curbing at driveway locations.  
7 Concrete placement shall be accomplished with line and grade control such that a 10-foot  
8 long straight edge placed on the concrete surface in the gutter or against the face of the curb  
9 shows no variance greater than 1/8 inch in grade or 1/4 inch on line, except at a designed  
10 angle point. Under no circumstances shall variances be allowed that cause drainage away  
11 from the catch basin or other drainage structures.

12  
13 Curb drains shall be constructed of 2-inch PVC pipe or other material subject to approval of  
14 the Engineer, cut to length to pass from the back of curb through the curb to the face of the  
15 curb at the gutter line. Spacing will be maximum of 50 feet, center to center, and/or each  
16 side of the driveways and at such locations as designated by the Engineer or as shown on the  
17 Plans.

18  
19 The first paragraph is revised to read:

20  
21 Cement concrete curb, curb and gutter, gutter, and spillway shall be constructed with air  
22 entrained concrete Class 3000 conforming to the requirement of Section 6-02 except at  
23 driveway entrances. Cement concrete curb or curb and gutter along the full width of a  
24 driveway entrance shall be constructed with air entrained concrete Class 4000 conforming to  
25 the requirements of Section 6-02.

26  
27 The fourth paragraph is revised to read:

28  
29 Expansion joints in the curb or curb and gutter shall be spaced at 15-foot intervals, the  
30 beginning and ends of curb returns, drainage structures, bridges, and cold joints with existing  
31 curbs and gutters. The expansion joint shall be filled to full cross-section with 3/8-inch  
32 premolded joint filler. When curb or curb and gutter is placed adjacent to Portland Cement  
33 Concrete Pavement, a 1/4-inch thick, 6-inch deep premolded joint filler shall be installed  
34 between the two vertical surfaces to prevent cracking. When noted in the Plans, the  
35 Contractor shall install the catch basin gutter pan at drainage structures abutting the curb and  
36 gutter.

#### 37 38 **8-04.5 Payment**

39 Section 8-04.5, is supplemented with the following:

40  
41 Payment for cement concrete curb and gutter shall be at the unit price bid per linear foot and  
42 shall be full compensation for all labor, equipment, and materials necessary to construct this  
43 item, as specified in place, including curb drains, depressed curb driveways and wheel chair  
44 ramp openings. This item includes all excavation, grading, and placement of backfill  
45 necessary to construct cement concrete curb and gutter which are not identified as part of  
46 other bid items.

## **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**

### **8-06.3 Construction Requirements**

*(February 8, 2008 R&E GSP)*

Section 8-06.3 is supplemented with the following:

Driveways shall meet the following minimum requirements.

1. 3/8-inch premolded joint filler shall be placed at 20 foot centers, maximum and shall be matched to curb and gutter joints.
2. 'V' grooves shall be scored 3/4-inch deep at five-foot intervals.
3. Driveway sections shall be brush finished longitudinally with a fiber brush.
4. For driveways wider than 20 feet, place 3/4-inch deep 'V' groove at the mid-point. For driveways greater than 30 feet wide, place 3/4-inch deep 'V' groove at one-third points.
5. All joints shall be cleaned and edged.
6. The back of some driveways may be depressed at the direction of the Engineer.
7. Driveways shall have a uniform thickness of 8-inches.
8. Six (6) inches of compacted gravel base shall be placed beneath driveways.

### **8-06.5 Payment**

Section 8-06.5 is supplemented with the following:

"Cement Conc. Driveway Entrance \_\_\_ In. Thick", per square yard.

All costs in constructing the driveway entrance, including pedestrian curb, in segments and installing and removing the temporary approach shall be included.

## **8-14 CEMENT CONCRETE SIDEWALKS**

### **8-14.1 Description**

Section 8-14.1 is supplemented with the following:

This work shall consist of constructing cement concrete sidewalks, stamped cement concrete sidewalks, and sidewalk ramps, in accordance with details shown in the Plans and these Specifications and in conformity to lines and grades shown in the Plans or as established by the Engineer. Replacement or matching to existing driveways shall be completed with a similar material and finish as that which exists or as directed by the Engineer.

### **8-14.3 Construction Requirements**

Section 8-14.3 is supplemented with the following:

Sidewalks shall meet the following minimum requirements.

1. Sidewalks shall have a uniform thickness of 4-inches.
2. All curved sections shall be formed in arc sections to match the radii detailed in the Plans
3. 3/8-inch through joints shall be placed 20 feet center to center, and shall be matched to curb and gutter joints.
4. "V" grooves shall be scored 3/4-inch deep at five-foot intervals.

5. All joints shall be cleaned and edged.
6. The Contractor shall provide temporary ramps over new concrete curbing at driveway locations.
7. Two (2) inches of washed rock shall be placed beneath sidewalks. Washed rock shall conform to Section 9-03.12(5).

#### **Textured Cement Concrete Sidewalks**

The Contractor shall stamp the areas indicated on the Plans. The stamped concrete shall be a two-color system with a base color hardener and a release color. Color shall be a light grey hardener with a Cobblestone Grey release. Color hardener and release shall be applied and installed in accordance with the manufacturer's written recommendations. The stamp pattern shall be Ashlar Slate pattern or approved equal.

Work shall be performed by workers experienced with concrete stamping and concrete coloring. The Contractor shall provide certification that they have completed a minimum of three concrete stamping projects for roadway related projects.

The Contractor shall provide a job-site sample to be approved by the Engineer prior to placing textured cement concrete. The sample shall be a minimum of six feet by six feet, completed panel, including stamp pattern, colored concrete, and sealer.

Following placement, screeding, and floating of the concrete, color hardener shall be troweled into the concrete. After troweling the hardener into the concrete, a second coat of color hardener shall be placed uniformly on top of concrete.

After 4 days of curing or according to the manufacturer's instruction, the color release shall be pressure washed and allowed to dry completely. When the textured concrete is dry, the Contractor shall apply a sealer to the concrete. Sealer shall be as recommended by the color hardener manufacturer's recommendation and as approved by the Engineer.

Concrete finishing for transitions to existing cement concrete shall match the existing surface as closely as possible.

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

Section 8-14.3(4) is supplemented with the following:

It shall be the Contractor's responsibility to protect curing concrete until it is set to prevent vandalism. Any repairs needed to correct vandalism during the initial set period, including full replacement of the damaged panel, shall be at the expense of the Contractor and subject to approval of the Engineer.

#### **8-14.4 Measurement**

Section 8-14.4 is supplemented with the following:

1 Textured Cement Concrete Sidewalks shall be measured by the square yard of finished  
2 surface.

#### 3 4 **8-14.5 Payment**

5 Section 8-14.5 is supplemented with the following:

6  
7 Payment for "Cement Concrete Sidewalk" and "Textured Cement Concrete Sidewalk", shall  
8 be at the unit price bid per square yard of cement concrete in place and shall be full  
9 compensation for all labor, equipment, and material necessary to construct this item in place,  
10 including driveway sections and repair sections, as specified including leveling and grading  
11 subgrade. Washed rock, and cement concrete pedestrian curb, shall be considered incidental  
12 to this bid item

13  
14 "Cement Conc. Curb Ramp Type \_\_\_\_", per each

15 The unit Contract price per each for "Cement Concrete Curb Ramp Type \_\_\_\_", shall be full  
16 pay for installing the curb ramp as specified, including the "Detectable Warning Surface" and  
17 leveling and grading subgrade. Washed rock, and cement concrete pedestrian curb, shall be  
18 considered incidental to this bid item.

### 19 20 21 **8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT** 22 **TRANSPORATION SYSTEMS, AND ELECTRICAL**

#### 23 24 **8-20 .1 Description**

25  
26 (\*\*\*\*\*)

27 The work involves constructing a solar-powered rectangular rapid flash beacon (RRFB) at  
28 the intersection of Main St./Sterling Ave. in the City of Ferndale. The RRFB will serve an  
29 existing marked crosswalk crossing Main St. on the east leg of the intersection in front of  
30 the City's public library. The existing crosswalk and associated sidewalk ramps will be  
31 modified as part of the project.

32  
33 The work shall be closely coordinated with the curb, gutter, sidewalk and sidewalk ramp  
34 improvements to be constructed in conjunction with this project.

35  
36 The work consists of **removing** signs, sign posts, roadway and sidewalk; and **furnishing**  
37 **and installing** concrete foundations, roadway, sidewalk, RRFB poles with frangible bases  
38 (contracting agency-supplied), RRFB solar panels (contracting agency-supplied), RRFB  
39 controller cabinets and internal equipment (contracting agency-supplied), RRFB light bars  
40 (contracting agency-supplied), accessible pedestrian push button assemblies with signs  
41 (contracting agency-supplied), conductors (contracting agency-supplied), ground rod,  
42 traffic signing; temporary traffic control; testing; and all other work necessary to provide a  
43 complete and operational RRFB system as intended by the Plans and these Special  
44 Provisions.

#### 45 46 **8-20.2 Materials**

47  
48 Section 8-20.2 is supplemented with the following:



1 (\*\*\*\*\*)

2 ***Contracting Agency-Supplied Materials***

3 The Contracting Agency will supply the following materials for the RRFB system:

4

5 <u>Description</u>	6 <u>Quantity</u>
7 RRFB pole	2 ea.
8 Frangible RRFB pole base w/ grounding lug	2 ea.
9 Pole stiffening collar	2 ea.
10 Anchor bolt set	2 ea.
11 RRFB solar panel and mount	2 ea.
12 RRFB light bar	4 ea.
13 RRFB controller cabinet	2 ea.
14 APS pedestrian push button assembly	2 ea.
15 Push button sign	2 ea.

16

17 When Contracting Agency-supplied materials require foundations, the Contractor may  
18 request release of Contracting Agency-supplied materials, except for anchor bolts, only after  
19 foundations for the equipment described above have cured.

20 The Contractor shall notify the Engineer three working days in advance of the date  
21 Contracting Agency-supplied materials are required.

22  
23 Contracting Agency-supplied materials will be available for pick up, dimensional  
24 verification or bolt pattern verification during normal working hours from the City of  
25 Ferndale Maintenance Shop located at:

26  
27 5500 – Legoe Avenue  
28 Ferndale, WA 98248  
29

30 (\*\*\*\*\*)

31 ***RRFB System***

32  
33 New Section 9-29.22 shall be inserted as follows:

34  
35 The RRFB system shall be solar-powered and communicate wirelessly across the  
36 roadway. The RRFB assemblies shall be located as shown on the Plans and installed in  
37 accordance with the details on the Plans and per manufacturer's recommendations. See  
38 these Special Provisions for Contracting Agency-Supplied materials related to the  
39 RRFB system. All mounting hardware not supplied by the Contracting Agency shall be  
40 furnished by the Contractor.

41  
42 ***Equipment List And Drawings***

43  
44 Section 8-20.2(1) is supplemented with the following:

45 (NWR November 13, 1996)

46 Manufacturer's data for materials proposed for use in the contract which require  
47 approval shall be submitted in one complete package.  
48

### 8-20.3 Construction Requirements

#### *General*

(NWR May 15, 2000)

#### **Electrical Equipment Removals**

Removals associated with the electrical system shall not be stockpiled within the job site without the Engineer's approval.

#### *Testing*

Section 8-20.3(11) is supplemented with the following:

(\*\*\*\*\*)

Prior to the RRFB Turn-on event, the Contractor shall conduct a coordination meeting with the following Contracting Agency personnel and others included as invited attendees:

Engineer  
Project Inspector  
RRFB Supplier Representative (Western Systems)

The Contractor shall provide the Engineer a minimum of 5 days written notice of the proposed coordination meeting date and time.

Prior to the coordination meeting, the Contractor shall complete the items of work detailed in the Traffic Signal Turn-on Checklist (as applicable) and submit the completed checklist to the Engineer. The Traffic Signal Turn-on Checklist form will be furnished to the Contractor by the Engineer.

Prior to scheduling a turn-on date, the Contractor shall provide verification to the Engineer that all manufacturer-recommended tests have been completed.

### 8-20.4 Measurement

The first paragraph of Section 8-20.4 is supplemented with the following:

(\*\*\*\*\*)

RRFB System

### 8-20.5 Payment

The first two paragraphs of Section 8-20.5 is supplemented with the following:

(\*\*\*\*\*)

“RRFB System”, lump sum.

1 Section 8-20.5 is supplemented with the following:

2  
3 (\*\*\*\*\*)

4 The construction signs used during the first 30 days after the RRFB is turned on will be paid  
5 as part of "Permanent Signing".  
6

## 7 **8-21 PERMANENT SIGNING**

### 8 9 **8-21.2 Materials**

10 Section 8-21.2 is supplemented with the following:

11  
12 Permanent signs shall be mounted on Type ST-2 Sign Supports.  
13

### 14 **8-21.3 Construction Requirements**

#### 15 16 **8-21.3(4) Sign Removal**

17 Section 8-21.3(4) is supplemented with the following:

18  
19 All signs removed shall be salvaged without damage and delivered to the City of Ferndale  
20 shop yard located at 5500 Legoe Avenue. The contractor shall take care to salvage all  
21 signs, posts and concrete sign post bases or sleeves.  
22

23 Delivery shall occur during the hours of 7:00 a.m. to 3:30 p.m. Monday thru Friday. Five  
24 days written advance notice shall be delivered to the Engineer prior to delivery. Material  
25 will not be accepted without the required advance notice.  
26

27 Equipment damaged during removal or delivery shall be repaired or replaced to the  
28 Engineer's satisfaction at no cost to the Contracting Agency.  
29

30 The Contractor shall be responsible for unloading the equipment where directed by the  
31 Engineer at the delivery site.  
32

### 33 **8-21.5 Payment**

34 Section 8-21.5 is supplemented with the following:

35  
36 The lump sum price in the Proposal will be full compensation for the costs of all labor,  
37 tools, equipment, and materials necessary or incidental to provide all signs, supports, and  
38 mounting hardware.  
39

## 40 **8-22 PAVEMENT MARKING**

### 41 42 **8-22.1 Description**

43 Section 8-22.1 is supplemented with the following:

44  
45 Also included in this item is the complete removal of existing and temporary pavement  
46 markings that will conflict with the new channelization. This work shall be incidental to the  
47 various bid items of the Contract, and no additional compensation will be made.

1  
2 **8-22.2 Materials**

3 Section 8-22.2 is supplemented with the following:

4  
5 In accordance with Section 8-22.2 of the Standard Specifications, the plastic material used  
6 to form pavement markings shall be Type A – liquid hot applied thermoplastic.  
7

8 **8-22.3 Construction Requirements**

9 *(February 11, 2008 R&E GSP)*

10  
11 Section 8-22.3 is supplemented with the following:

12  
13 Pavement markings shall be applied with appropriate templates to avoid non-uniform edges  
14 and unwanted drippings. Any such non-conforming pavement markings will be removed and  
15 replaced at the Contractors expense.  
16

17 **8-22.3(1) Preliminary Spotting**

18 Section 8-22.3(1) is supplemented with the following:

19  
20 The Contractor shall notify the Engineer three (3) working days in advance of scheduled  
21 preliminary spotting.  
22

23 The following new Section is created:

24  
25 **8-30 POTHOLE EXISTING UNDERGROUND UTILITY**

26  
27 **8-30.1 Description**

28  
29 When directed by the Engineer or shown on the Plans, this work shall consist of potholing  
30 existing underground utilities. The Contractor shall perform utility investigations or  
31 coordinate with utility companies as required. At the direction of the Engineer, the  
32 Contractor shall perform exploratory excavations or provide hand potholing as required to  
33 collect as-built utility information. The Contractor shall verify the depth and location of  
34 existing underground utilities. The Contractor shall immediately notify the Engineer if field  
35 conditions differ from that shown on the Plans. The Contractor shall give the owner advance  
36 notice of four (4) working days, prior to conducting such investigations.  
37

38 **8-30.4 Measurement**

39  
40 Measurement for potholing existing underground utilities will be by the unit for each  
41 pothole.  
42

43 **8-30.5 Payment**

44 Payment will be made in accordance with Section 1-04.1, for the following bid items:

45  
46 “Pothole Existing Underground Utility”, per each.

1 The unit contract price per each for “Pothole Existing Underground Utility” shall be full  
2 compensation for all equipment, labor, and materials to locate the existing utility, verify the  
3 utilities’ vertical and horizontal location, and restoring the disturbed area.  
4

5 The following new Section is created:  
6

## 7 **8-31 REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES**

8

### 9 **8-31.1 Description**

10

11 This work shall consist of the repair of existing public and private facilities, and the  
12 correction, repair, removal, or construction of items as directed by the Engineer. This shall  
13 not exempt the contractor from protecting known existing facilities, or from the  
14 responsibility for repair of such known existing facilities.  
15

### 16 **8-31.3 Construction Requirements**

17

18 The contractor shall obtain written or verbal approval from the Engineer, prior to proceeding  
19 with any repair of existing or private facilities. Work performed without approval from the  
20 Engineer will not be compensated.  
21

22 The Contractor and the Contracting Agencies’ representative or Engineer shall reconcile the  
23 hours of work for labor and equipment on a daily basis for the purpose of tracking all work  
24 under this item. The Contractor shall supply the Engineer with material invoices for all  
25 materials incorporated into this work in a timely manner. Invoices shall be original or copies  
26 of original invoices from the material supplier.  
27

### 28 **8-31.4 Measurement**

29

30 Work performed under the item “Repair Existing Public and Private Facilities” shall be  
31 measured in accordance with Section 1-09.6 Force Account.  
32

### 33 **8-31.5 Payment**

34

35 Payment for the item “Repair Existing Public and Private Facilities” shall be full  
36 compensation for all labor, tools, equipment, materials and subcontractor work needed to  
37 complete individual items of work as directed by the engineer. This item shall be paid in  
38 accordance with Section 1-09.6 Force Account.  
39

**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:

ESAL's

The number of ESAL's for the design and acceptance of the HMA shall be 4.4 million.

**9-03.10 Aggregate for Gravel Base**  
(December 28, 2009 R&E GSP)

Section 9-03.10 is revised to read:

Gravel base shall consist of granular material, either naturally occurring or processed. It shall be essentially free from various types of wood waste or other extraneous or objectionable materials. It shall have such characteristics of size and shape that it will compact readily and the maximum particle size shall not exceed ½ of the depth of the layer being placed.

Gravel base shall meet the following requirements for grading and quality when placed in hauling vehicles for delivery to the roadway or during manufacture and placement into a temporary stockpile. The exact point of acceptance will be determined by the Engineer.

<u>Sieve Size</u>	<u>Percent Passing</u>
4" square	100
1-1/2" square	70-100
1/2" square	35-80
U.S. No. 4	15-50
U.S. No. 40	20 max
U.S. No. 200	5.0 max

Sand Equivalent shall be 40 min.

All percentages are by weight.

Gravel base material retained on a No. 4 sieve shall contain not more than 0.20 percent by weight of wood waste.

**(August 3, 2015)**  
**Standard Plans**

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 15-048, effective August 3, 2015 is made a part of this contract.

The Standard Plans are revised as follows:

A-30.15

DELETED

A-50.10

Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20

Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30

Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

B-10.20 and B-10.40

Substitute “step” in lieu of “handhold” on plan

B-15.60

Table, Maximum Knockout Size column, 120” Diam., 42” is revised to read; 96”

B-25.20

Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-55.20

Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40

Offset & Bend details, add the subtitle, “Plan View” above titles

C-8b

Sheet 2, Anchor Plate detail, callout, was – 1” DIAM. HOLE (TYP.)” IS REVISED TO READ; “1 1/8” (IN) DIAM. HOLE (TYP.)”

C-1

Assembly Detail, Steel Post, (post) callout – was - ”W6 x 9 or W6 x 15” is revised to read; “W6 x 8.5 or W6 x 9 or W6 x 15”

C-10

General Note 1, first sentence, was – “Length of W8 x 35 and W6 x 9 shall be determined by measurement from top of ground to top of grout pad.” Is revised to read; “Length of W8 x 35 and W6 x 8.5 or W6 x 9 shall be determined by measurement from top of ground to top of grout pad.”

Sheet 1, Post Base Plate Detail, callout, was – “W6 x 9” is revised to read; “W6 x 8.5 or W6 x 9”

Sheet 1, Box Culvert Guardrail Steel Post Type 2 detail, callout, was – “W6 x 9 Steel Post” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post”

Sheet 1, Post Anchor Attachment Detail, callout, was – “W6 x 9 ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 ~ See Note 1”

Sheet 1, Detail A, callout, was – “W6 x 9 Steel Post ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post ~ See Note 1”

Sheet 2, Box Culvert Guardrail Steel Post Type 1, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

Sheet 2, Detail B, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

#### C-16a

Note 1, reference C-28.40 is revised to C-20.10

#### C-16b

Note 3, reference C-28.40 is revised to C-20.10

#### C-22.14

Plan, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

Elevation, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

#### F-10.12

Section Title, was – “Depressed Curb Section” is revised to read: “Depressed Curb and Gutter Section”

#### F-10.40

“EXTRUDED CURB AT CUT SLOPE”, Section detail - Deleted

#### H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

#### J-3

DELETED

#### J-3b

DELETED

#### J-3C

DELETED

#### J-10.22

Key Note 1, was – “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305.” Is revised to read; “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel.”



Key Note 4, “Test with (SPDT Snap Action, Positive close 15 Amp – 120/277 volt “T” rated). Is revised to read: “Test Switch (SPDT snap action, positive close 15 amp – 120/277 volt “T” rated).”

Key Note 14, was – “Hinged dead front with ¼ turn fasteners or slide latch.” Is revised to read; “Hinged dead front with ¼ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s).”

Key Note 15, was – “Cabinet Main Bonding Jumper. Buss shall be 4 lug tinned copper. See Cabinet Main bonding Jumper detail, Standard Plan J-3b.” is revised to read; “Cabinet Main Bonding Jumper Assembly ~ Buss shall be 4 lug tinned copper ~ See Standard Plan J-10.20 for Cabinet Main Bonding Jumper Assembly details.”

#### J-20.11

Sheet 2, Foundation Detail, Elevation, callout – “Type 1 Signal Pole” is revised to read: “Type PS or Type 1 Signal Pole”

Sheet 2, Foundation Detail, Elevation, add note below Title, “(Type 1 Signal Pole Shown)”

#### J-20.16

View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

#### J-21.10

Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR.. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

#### J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½” DIAM., is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

#### J-21.16

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

#### J-22.15

Ramp Meter Signal Standard, elevation, dimension 4’ - 6” is revised to read; 6’-0”

(2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½” DIAM. is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

#### J-28.50

Section D, callout, was – Backup Strip (ref. to key note 3) is revised to read; “Continuous Backup Strip (ref. to key note 3)”

Key Note 3, was – ¼” Thick, or No thinner than pole wall thickness. Tack weld or seal weld to Base plate. Is revised to read; “1/4” Thick, or No thinner than Pole wall thickness. Tack weld in root or continuous seal weld to Base plate or Pole wall.”

J-28.70

Detail C, dimension, 2" MAX. is revised to read: 1" MAX.

Detail D, dimension, 2" MAX. is revised to read: 1" MAX.

J-29.10

Galvanized Welded Wire Mesh detail, callout – "Drill and Tap for 1/4" Diam. Cap Screw, 3 Places, @ 9" center, all 4 edges S.S. Screw, ASTM F593 and washer"

Is revised to read;

"\*Drill and Tap 1/4" (IN) Diam. x 1" (IN) Cap Screw with washer ~ space approx.. 9" o.c. ~ Liberally coat threads with Anti-seize compound (TYP.)"

Add Boxed note: \* Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

J-29.15

Title, "Camera Pole Standard" is revised to read; "Camera Pole Standard Details"

J-29-16

Title, "Camera Pole Standard Details" is revised to read; "Camera Pole Details"

J-40.10

Sheet 2 of 2, Detail F, callout, "12 – 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 12" S. S. FLAT WASHER" is revised to read; "12 – 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 1/2" (IN) S. S. FLAT WASHER"

J-60.14

All references to J-16b (6x) are revised to read; J-60.11

J-90.10

Section B, callout, "Hardware Mounting Rack ~ S. S. 1-5/8" Slotted Channel" is revised to read: "Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

J-90.20

Section B, callout, "Hardware Mounting Rack (Typ.) ~ S. S. 1-5/8" Slotted Channel" is revised to read: "Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

K-80.10

Sign Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Sidewalk and Curb Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Behind Traffic Barrier Section), Delete dimensions - 6' TO 12' MIN. and 6' MIN.

Sign with Supplemental Plaque Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Ditch Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN. Delete dimension – 6' MIN.

K-80.30

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

M-11.10

Layout, dimension (from stop bar to “X”), was – 23’ is revised to read; 24’

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/7/07	A-30.35-00.....10/12/07	A-50.20-01.....9/22/09
A-10.20-00.....10/5/07	A-40.00-00.....8/11/09	A-50.30-00.....11/17/08
A-10.30-00.....10/5/07	A-40.10-03.....12/23/14	A-50.40-00.....11/17/08
A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.10-03.....12/23/14
A-30.10-00.....11/8/07	A-40.20-03.....12/23/14	A-60.20-03.....12/23/14
	A-40.50-02.....12/23/14	A-60.30-00.....11/8/07
A-30.30-01.....6/16/11	A-50.10-00.....11/17/08	A-60.40-00.....8/31/07
B-5.20-01.....6/16/11	B-30.50-01.....4/26/12	B-75.20-01.....6/10/08
B-5.40-01.....6/16/11	B-30.70-03.....4/26/12	B-75.50-01.....6/10/08
B-5.60-01.....6/16/11	B-30.80-00.....6/8/06	B-75.60-00.....6/8/06
B-10.20-01.....2/7/12	B-30.90-01.....9/20/07	B-80.20-00.....6/8/06
B-10.40-00.....6/1/06	B-35.20-00.....6/8/06	B-80.40-00.....6/1/06
B-10.60-00.....6/8/06	B-35.40-00.....6/8/06	B-82.20-00.....6/1/06
B-15.20-01.....2/7/12	B-40.20-00.....6/1/06	B-85.10-01.....6/10/08
B-15.40-01.....2/7/12	B-40.40-01.....6/16/10	B-85.20-00.....6/1/06
B-15.60-01.....2/7/12	B-45.20-00.....6/1/06	B-85.30-00.....6/1/06
B-20.20-02.....3/16/12	B-45.40-00.....6/1/06	B-85.40-00.....6/8/06
B-20.40-03.....3/16/12	B-50.20-00.....6/1/06	B-85.50-01.....6/10/08
B-20.60-03.....3/15/12	B-55.20-00.....6/1/06	B-90.10-00.....6/8/06
B-25.20-01.....3/15/12	B-60.20-00.....6/8/06	B-90.20-00.....6/8/06
B-25.60-00.....6/1/06	B-60.40-00.....6/1/06	B-90.30-00.....6/8/06
B-30.10-01.....4/26/12	B-65.20-01.....4/26/12	B-90.40-00.....6/8/06
B-30.20-02.....4/26/12	B-65.40-00.....6/1/06	B-90.50-00.....6/8/06
B-30.30-01.....4/26/12	B-70.20-00.....6/1/06	B-95.20-01.....2/3/09
B-30.40-01.....4/26/12	B-70.60-00.....6/1/06	B-95.40-00.....6/8/06
C-1.....6/16/11	C-6.....5/30/97	C-23.60-03.....6/11/14
C-1a.....7/14/15	C-6a.....10/14/09	C-24.10-01.....6/11/14
C-1b.....7/14/15	C-6c.....1/6/00	C-25.18-05.....7/14/15
C-1c.....5/30/97	C-6d.....5/30/97	C-25.20-06.....7/14/15
C-1d.....10/31/03	C-6f.....7/25/97	C-25.22-05.....7/14/15
C-2.....1/6/00	C-7.....6/16/11	C-25.26-03.....7/14/15
C-2a.....6/21/06	C-7a.....6/16/11	C-25.80-03.....6/11/14
C-2b.....6/21/06	C-8.....2/10/09	C-40.14-02.....7/2/12
C-2c.....6/21/06	C-8a.....7/25/97	C-40.16-02.....7/2/12
C-2d.....6/21/06	C-8b.....6/27/11	C-40.18-02.....7/2/12
C-2e.....6/21/06	C-8e.....2/21/07	C-70.10-01.....6/17/14
C-2f.....3/14/97	C-8f.....6/30/04	C-75.10-01.....6/11/14
C-2g.....7/27/01	C-10.....6/3/10	C-75.20-01.....6/11/14
C-2h.....3/28/97	C-16a.....6/3/10	C-75.30-01.....6/11/14
C-2i.....3/28/97	C-16b.....6/3/10	C-80.10-01.....6/11/14
C-2j.....6/12/98	C-20.10-03.....7/14/15	C-80.20-01.....6/11/14
C-2k.....7/27/01	C-20.14-03.....6/11/14	C-80.30-01.....6/11/14
C-2n.....7/27/01	C-20.15-02.....6/11/14	C-80.40-01.....6/11/14
C-2o.....7/13/01	C-20.18-02.....6/11/14	C-80.50-00.....4/8/12
C-2p.....10/31/03	C-20.19-02.....6/11/14	C-85.10-00.....4/8/12

C-3.....7/2/12	C-20.40-05.....7/14/15	C-85.11-00.....4/8/12
	C-20.41-01.....7/14/15	
C-3a.....10/4/05	C-20.42-05.....7/14/15	C-85.14-01.....6/11/14
C-3b.....6/27/11	C-20.45.01.....7/2/12	C-85.15-01.....6/30/14
C-3c.....6/27/11	C-22.14-03.....6/11/14	C-85.16-01.....6/17/14
C-4b.....6/8/06	C-22.16-05.....7/14/15	C-85.18-01.....6/11/14
C-4e.....10/23/14	C-22.40-04.....10/23/14	C-85.20-01.....6/11/14
	C-22.41-01.....10/23/14	
C-4f.....7/2/12	C-22.45-01.....10/23/14	C-90.10-00.....7/3/08
D-2.04-00.....11/10/05	D-2.48-00.....11/10/05	D-3.17-01.....5/17/12
D-2.06-01.....1/6/09	D-2.64-01.....1/6/09	D-4.....12/11/98
D-2.08-00.....11/10/05	D-2.66-00.....11/10/05	D-6.....6/19/98
D-2.14-00.....11/10/05	D-2.68-00.....11/10/05	D-10.10-01.....12/2/08
D-2.16-00.....11/10/05	D-2.80-00.....11/10/05	D-10.15-01.....12/2/08
D-2.18-00.....11/10/05	D-2.82-00.....11/10/05	D-10.20-00.....7/8/08
D-2.20-00.....11/10/05	D-2.84-00.....11/10/05	D-10.25-00.....7/8/08
D-2.32-00.....11/10/05	D-2.86-00.....11/10/05	D-10.30-00.....7/8/08
D-2.34-01.....1/6/09	D-2.88-00.....11/10/05	D-10.35-00.....7/8/08
D-2.36-03.....6/11/14	D-2.92-00.....11/10/05	D-10.40-01.....12/2/08
D-2.42-00.....11/10/05	D-3.09-00.....5/17/12	D-10.45-01.....12/2/08
D-2.44-00.....11/10/05	D-3.10-01.....5/29/13	D-15.10-01.....12/2/08
D-2.60-00.....11/10/05	D-3.11-03.....6/11/14	D-15.20-02.....6/2/11
D-2.62-00.....11/10/05	D-3.15-02.....6/10/13	D-15.30-01.....12/02/08
D-2.46-01.....6/11/14	D-3.16-02.....5/29/13	
E-1.....2/21/07	E-4.....8/27/03	
E-2.....5/29/98	E-4a.....8/27/03	
F-10.12-03.....6/11/14	F-10.62-02.....4/22/14	F-40.15-02.....6/20/13
F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-02.....6/20/13
F-10.18-00.....6/27/11	F-30.10-03.....6/11/14	F-45.10-01.....6/21/12
F-10.40-02.....6/21/12	F-40.12-02.....6/20/13	F-80.10-03.....6/11/14
F-10.42-00.....1/23/07	F-40.14-02.....6/20/13	
G-10.10-00.....9/20/07	G-24.60-04.....6/23/15	G-70.20-02.....6/10/13
G-20.10-02.....6/23/15	G-25.10-04.....6/10/13	G-70.30-02.....6/10/13
G-22.10-03.....7/10/15	G-30.10-04.....6/23/15	G-90.10-01.....5/11/11
G-24.10-00.....11/8/07	G-50.10-02.....6/23/15	G-90.20-03.....7/10/15
G-24.20-01.....2/7/12	G-60.10-03.....6/18/15	G-90.30-02.....3/22/13
G-24.30-01.....2/7/12	G-60.20-02.....6/18/15	G-90.40-01.....10/14/09
G-24.40-05.....6/23/15	G-60.30-02.....6/18/15	G-95.10-01.....6/2/11
G-24.50-03.....6/17/14	G-70.10-03.....6/18/15	G-95.20-02.....6/2/11
		G-95.30-02.....6/2/11
H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-01.....2/7/12
H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-01.....2/16/12
H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	H-70.30-02.....2/7/12
I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
I-30.10-02.....3/22/13	I-30.30-01.....6/10/13	I-50.20-01.....6/10/13
I-30.15-02.....3/22/13	I-30.40-01.....6/10/13	I-60.10-01.....6/10/13
I-30.16-00.....3/22/13	I-30.60-00.....5/29/13	I-60.20-01.....6/10/13

I-30.17-00.....3/22/13

I-40.10-00.....9/20/07

I-80.10-01.....8/11/09

J-10.....7/18/97

J-10.10-03.....6/3/15

J-10.15-01.....6/11/14

J-10.16-00.....6/3/15

J-10.17-00.....6/3/15

J-10.18-00.....6/3/15

J-10.20-00.....6/3/15

J-10.21-00.....6/3/15

J-10.22-00.....5/29/13

J-15.10-01.....6/11/14

J-15.15-02.....7/10/15

J-20.10-03.....6/30/14

J-20.11-02.....6/30/14

J-20.15-03.....6/30/14

J-20.16-02.....6/30/14

J-20.20-02.....5/20/13

J-20.26-01.....7/12/12

J-21.10-04.....6/30/14

J-21.15-01.....6/10/13

J-21.16-01.....6/10/13

J-21.17-01.....6/10/13

J-21.20-01.....6/10/13

J-22.15-02.....7/10/15

J-22.16-03.....7/10/15

J-26.10-02.....3/15/12

J-26.15-01.....5/17/12

J-26.20-00.....6/11/14

J-27.10-00.....3/15/12

J-27.15-00.....3/15/12

J-28.10-01.....5/11/11

J-28.22-00.....8/07/07

J-28.24-01.....6/3/15

J-28.26-01.....12/02/08

J-28.30-03.....6/11/14

J-28.40-02.....6/11/14

J-28.42-01.....6/11/14

J-28.43-00.....6/11/14

J-28.45-02.....6/11/14

J-28.50-02.....6/2/11

J-28.60-01.....6/2/11

J-28.70-01.....5/11/11

J-29.10-00.....6/27/11

J-29.15-00.....6/27/11

J-29.16-01.....6/20/13

J-30.10-00.....6/18/15

J-40.10-03.....5/20/13

J-40.20-02.....6/11/14

J-40.30-03.....5/20/13

J-40.35-01.....5/29/13

J-40.36-01.....5/20/13

J-40.37-01.....5/20/13

J-40.38-01.....5/20/13

J-40.39-00.....5/20/13

J-40.40-00.....5/20/13

J-50.10-00.....6/3/11

J-50.11-00.....6/3/11

J-50.12-00.....6/3/11

J-50.15-00.....6/3/11

J-50.16-01.....3/22/13

J-50.20-00.....6/3/11

J-50.25-00.....6/3/11

J-50.30-00.....6/3/11

J-60.05-00.....6/16/11

J-60.11-00.....5/20/13

J-60.12-00.....5/20/13

J-60.13-00.....6/16/10

J-60.14-00.....6/16/10

J-75.10-02.....7/10/15

J-75.20-01.....7/10/15

J-75.30-02.....7/10/15

J-75.40-01.....6/11/14

J-75.41-00.....6/11/14

J-75.45-01.....6/11/14

J-90.10-01.....6/27/11

J-90.20-01.....6/27/11

J-90.21-00.....6/30/14

K-70.20-00.....2/15/07

K-80.10-00.....2/21/07

K-80.20-00.....12/20/06

K-80.30-00.....2/21/07

K-80.35-00.....2/21/07

K-80.37-00.....2/21/07

L-10.10-02.....6/21/12

L-20.10-03.....7/14/15

L-30.10-02.....6/11/14

L-40.10-02.....6/21/12

L-40.15-01.....6/16/11

L-40.20-02.....6/21/12

L-70.10-01.....5/21/08

L-70.20-01.....5/21/08

M-1.20-03.....6/24/14

M-1.40-02.....6/3/11

M-1.60-02.....6/3/11

M-1.80-03.....6/3/11

M-9.60-00.....2/10/09

M-11.10-01.....1/30/07

M-15.10-01.....2/6/07

M-17.10-02.....7/3/08

M-40.10-03.....6/24/14

M-40.20-00.....10/12/07

M-40.30-00.....9/20/07

M-40.40-00.....9/20/07

M-2.20-03.....7/10/15	M-20.10-02.....6/3/11	M-40.50-00.....9/20/07
M-2.21-00.....7/10/15		
M-3.10-03.....6/3/11	M-20.20-02.....4/20/15	M-40.60-00.....9/20/07
M-3.20-02.....6/3/11	M-20.30-03.....4/20/15	M-60.10-01.....6/3/11
M-3.30-03.....6/3/11	M-20.40-03.....6/24/14	M-60.20-02.....6/27/11
M-3.40-03.....6/3/11	M-20.50-02.....6/3/11	M-65.10-02.....5/11/11
M-3.50-02.....6/3/11	M-24.20-02.....4/20/15	M-80.10-01.....6/3/11
M-5.10-02.....6/3/11	M-24.40-02.....4/20/15	M-80.20-00.....6/10/08
M-7.50-01.....1/30/07	M-24.50-00.....6/16/11	M-80.30-00.....6/10/08
M-9.50-02.....6/24/14	M-24.60-04.....6/24/14	

## **APPENDICES**

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**APPENDIX A**  
**STATE PREVAILING WAGE RATES**  
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State of Washington  
Department of Labor & Industries  
Prevailing Wage Section - Telephone 360-902-5335  
PO Box 44540, Olympia, WA 98504-4540

## Washington State Prevailing Wage

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

### Journey Level Prevailing Wage Rates for the Effective Date: 11/24/2015

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Whatcom	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$43.95	<u>5D</u>	<u>1H</u>	
Whatcom	<a href="#">Boilermakers</a>	Journey Level	\$44.35		<u>1</u>	
Whatcom	<a href="#">Brick Mason</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Brick Mason</a>	Pointer-Caulker-Cleaner	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Building Service Employees</a>	Janitor	\$9.47		<u>1</u>	
Whatcom	<a href="#">Building Service Employees</a>	Shampooer	\$9.47		<u>1</u>	
Whatcom	<a href="#">Building Service Employees</a>	Waxer	\$9.47		<u>1</u>	
Whatcom	<a href="#">Building Service Employees</a>	Window Cleaner	\$9.47		<u>1</u>	
Whatcom	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$24.89		<u>1</u>	
Whatcom	<a href="#">Carpenters</a>	Acoustical Worker	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Bridge, Dock And Wharf Carpenters	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Carpenter	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Carpenters on Stationary Tools	\$54.15	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Creosoted Material	\$54.12	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Floor Finisher	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Floor Layer	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Carpenters</a>	Scaffold Erector	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Cement Masons</a>	Journey Level	\$53.95	<u>7A</u>	<u>1M</u>	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver	\$107.22	<u>5D</u>	<u>4C</u>	<u>8A</u>
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$64.42	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$58.33	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator	\$58.33	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator Tender	\$54.27	<u>5A</u>	<u>4C</u>	
Whatcom	<a href="#">Dredge Workers</a>	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Dredge Workers</a>	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>	

Whatcom	<a href="#">Dredge Workers</a>	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Dredge Workers</a>	Mates	\$56.44	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Dredge Workers</a>	Oiler	\$56.00	<u>5D</u>	<u>3F</u>	
Whatcom	<a href="#">Drywall Applicator</a>	Journey Level	\$54.02	<u>5D</u>	<u>1H</u>	
Whatcom	<a href="#">Drywall Tapers</a>	Journey Level	\$29.63		<u>1</u>	
Whatcom	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$13.82		<u>1</u>	
Whatcom	<a href="#">Electricians - Inside</a>	Cable Splicer	\$63.94	<u>7H</u>	<u>1E</u>	
Whatcom	<a href="#">Electricians - Inside</a>	Construction Stock Person	\$31.71	<u>7H</u>	<u>1D</u>	
Whatcom	<a href="#">Electricians - Inside</a>	Journey Level	\$59.82	<u>7H</u>	<u>1E</u>	
Whatcom	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.37		<u>1</u>	
Whatcom	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$14.69		<u>1</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$69.95	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$63.97	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$43.62	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$63.97	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$63.97	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$53.81	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$63.97	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$47.55	<u>5A</u>	<u>4D</u>	
Whatcom	<a href="#">Electronic Technicians</a>	Journey Level	\$25.09		<u>1</u>	
Whatcom	<a href="#">Elevator Constructors</a>	Mechanic	\$82.67	<u>7D</u>	<u>4A</u>	
Whatcom	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$89.40	<u>7D</u>	<u>4A</u>	
Whatcom	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In-Factory Work Only	\$13.67		<u>1</u>	
Whatcom	<a href="#">Fence Erectors</a>	Fence Erector	\$22.97		<u>1</u>	
Whatcom	<a href="#">Flaggers</a>	Journey Level	\$37.26	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Glaziers</a>	Journey Level	\$56.16	<u>7L</u>	<u>1Y</u>	
Whatcom	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journeyman	\$63.18	<u>5J</u>	<u>1S</u>	
Whatcom	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$19.85		<u>1</u>	
Whatcom	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Inland Boatmen</a>	Boat Operator	\$56.78	<u>5B</u>	<u>1K</u>	
Whatcom	<a href="#">Inland Boatmen</a>	Cook	\$53.30	<u>5B</u>	<u>1K</u>	
Whatcom	<a href="#">Inland Boatmen</a>	Deckhand	\$53.30	<u>5B</u>	<u>1K</u>	

Whatcom	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$54.32	<u>5B</u>	<u>1K</u>	
Whatcom	<a href="#">Inland Boatmen</a>	Launch Operator	\$55.57	<u>5B</u>	<u>1K</u>	
Whatcom	<a href="#">Inland Boatmen</a>	Mate	\$55.57	<u>5B</u>	<u>1K</u>	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$11.48		<u>1</u>	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$12.78		<u>1</u>	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$9.47		<u>1</u>	
Whatcom	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$10.53		<u>1</u>	
Whatcom	<a href="#">Insulation Applicators</a>	Journey Level	\$54.02	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Ironworkers</a>	Journeyman	\$63.53	<u>7N</u>	<u>1Q</u>	
Whatcom	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Airtrac Drill Operator	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Ballast Regular Machine	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Batch Weighman	\$37.26	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Brick Pavers	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Brush Cutter	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Brush Hog Feeder	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Burner	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Caisson Worker	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Carpenter Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Caulker	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Cement Dumper-paving	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Cement Finisher Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Change House Or Dry Shack	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Chipping Gun (under 30 Lbs.)	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Chipping Gun(30 Lbs. And Over)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Choker Setter	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Chuck Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Clary Power Spreader	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Clean-up Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Concrete Dumper/chute Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Concrete Form Stripper	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Concrete Placement Crew	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Concrete Saw Operator/core	\$44.76	<u>7A</u>	<u>3I</u>	

		Driller				
Whatcom	<a href="#">Laborers</a>	Crusher Feeder	\$37.26	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Curing Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (incl. Charred Material)	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Ditch Digger	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Diver	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Drill Operator (hydraulic,diamond)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Dry Stack Walls	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Dump Person	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Epoxy Technician	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Erosion Control Worker	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Fine Graders	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Firewatch	\$37.26	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Form Setter	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Gabian Basket Builders	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	General Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Grinders	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Grout Machine Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Groutmen (pressure)including Post Tension Beams	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Guardrail Erector	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	High Scaler	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Jackhammer	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Laserbeam Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Maintenance Person	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Manhole Builder-mudman	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Material Yard Person	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Motorman-dinky Locomotive	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$44.76	<u>7A</u>	<u>3I</u>	

Whatcom	<a href="#">Laborers</a>	Pavement Breaker	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pilot Car	\$37.26	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pipe Layer Lead	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pipe Layer/tailor	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pipe Pot Tender	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pipe Reliner	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pipe Wrapper	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Pot Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Powderman	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Powderman's Helper	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Power Jacks	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Raker - Asphalt	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Re-timberman	\$45.32	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Remote Equipment Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Rigger/signal Person	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Rip Rap Person	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Rivet Buster	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Rodder	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Scaffold Erector	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Scale Person	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Sloper (over 20")	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Sloper Sprayer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Spreader (concrete)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Stake Hopper	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Stock Piler	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Tamper (multiple & Self-propelled)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Topper	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Track Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Track Liner (power)	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Traffic Control Laborer	\$39.84	<u>7A</u>	<u>3I</u>	<u>8R</u>
Whatcom	<a href="#">Laborers</a>	Traffic Control Supervisor	\$39.84	<u>7A</u>	<u>3I</u>	<u>8R</u>
Whatcom	<a href="#">Laborers</a>	Truck Spotter	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Tugger Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 0-30 psi	\$74.29	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$79.32	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air	\$83.00	<u>7A</u>	<u>3I</u>	<u>8Q</u>

		Worker 44.01-54.00 psi				
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$88.70	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$90.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$95.92	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$97.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$99.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$101.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$45.42	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Tunnel Work-Miner	\$45.42	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Whatcom	<a href="#">Laborers</a>	Vibrator	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Vinyl Seamer	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Watchman	\$33.86	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Welder	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Well Point Laborer	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers</a>	Window Washer/cleaner	\$33.86	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$43.95	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$44.76	<u>7A</u>	<u>3I</u>	
Whatcom	<a href="#">Landscape Construction</a>	Irrigation Or Lawn Sprinkler Installers	\$11.50		<u>1</u>	
Whatcom	<a href="#">Landscape Construction</a>	Landscape Equipment Operators Or Truck Drivers	\$11.50		<u>1</u>	
Whatcom	<a href="#">Landscape Construction</a>	Landscaping Or Planting Laborers	\$11.50		<u>1</u>	
Whatcom	<a href="#">Lathers</a>	Journey Level	\$54.02	<u>5D</u>	<u>1H</u>	
Whatcom	<a href="#">Marble Setters</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$13.81		<u>1</u>	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$9.47		<u>1</u>	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$13.81		<u>1</u>	
Whatcom	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$13.81		<u>1</u>	
Whatcom	<a href="#">Millwright</a>	Journey Level	\$30.79		<u>1</u>	
Whatcom	<a href="#">Modular Buildings</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Painters</a>	Journey Level	\$37.80	<u>6Z</u>	<u>2B</u>	
Whatcom	<a href="#">Pile Driver</a>	Journey Level	\$54.27	<u>5D</u>	<u>4C</u>	
Whatcom	<a href="#">Plasterers</a>	Journey Level	\$51.68	<u>7Q</u>	<u>1R</u>	
Whatcom	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$63.57	<u>5A</u>	<u>1G</u>	
Whatcom	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operators	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>



Whatcom	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Batch Plant Operator, Concrete	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Bobcat	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Brooms	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cableways	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Chipper	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Compressor	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine -laser Screed	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Conveyors	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes Friction: 200 tons and over	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: A-frame - 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Friction cranes through 199 tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<a href="#">Power Equipment Operators</a>	Crusher	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Deck Engineer/deck Winches (power)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Derricks, On Building Work	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Elevator And Man-lift: Permanent And Shaft Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Forklift: 3000 Lbs And Over With Attachments	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Forklifts: Under 3000 Lbs. With Attachments	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Gradechecker/stakeman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Guardrail Punch	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Locator	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Operator	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>



Whatcom	<a href="#">Power Equipment Operators</a>	Motor Patrol Graders	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 100 Tons And Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Power Plant	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Quad 9, Hd 41, D10 And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Rigger And Bellman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Rigger/Signal Person, Bellman (Certified)	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Rollagon	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Service Engineers - Equipment	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Shotcrete/gunite Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Tons.				
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Crane Up To 175' In Height Base To Boom	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Crane: over 175' through 250' in height, base to boom	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Tower Cranes: over 250' in height from base to boom	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver Under 100 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Welder	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Asphalt Plant Operators	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Assistant Engineer	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Batch Plant Operator, Concrete	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Bobcat	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brooms	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bump Cutter	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableways	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Chipper	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressor	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Finish Machine -laser Screed	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Conveyors	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes Friction: 200 tons and over	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: A-frame - 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: Friction cranes through 199 tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer/deck Winches (power)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks, On Building Work	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drilling Machine	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator And Man-lift: Permanent And Shaft Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklift: 3000 Lbs And Over With Attachments	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklifts: Under 3000 Lbs. With Attachments	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Gradechecker/stakeman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Guardrail Punch	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Locator	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Operator	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead 8 Yards. & Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Locomotives, All	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Material Transfer Device	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>

	<a href="#">Underground Sewer &amp; Water</a>					
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$57.51	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Motor Patrol Graders	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$56.00	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$56.44	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 100 Tons And Over	\$57.51	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pavement Breaker	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pile Driver (other Than Crane Mount)	\$56.44	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Plant Oiler - Asphalt, Crusher	\$56.00	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Power Plant	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pumps - Water	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quad 9, Hd 41, D10 And Over	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rigger And Bellman	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rigger/Signal Person, Bellman (Certified)	\$56.00	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rollagon	\$56.94	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>
Whatcom	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$53.57	<a href="#">7A</a>	<a href="#">3C</a>	<a href="#">8P</a>



Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Saws - Concrete	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Service Engineers - Equipment	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shotcrete/gunite Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Slipform Pavers	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane Up To 175' In Height Base To Boom	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane: over 175' through 250' in height, base to boom	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Cranes: over 250' in height from base to boom	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver Under 100 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welder	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$45.75	<u>5A</u>	<u>4A</u>	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$43.38	<u>5A</u>	<u>4A</u>	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$45.75	<u>5A</u>	<u>4A</u>	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$40.84	<u>5A</u>	<u>4A</u>	
Whatcom	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$30.74	<u>5A</u>	<u>4A</u>	
Whatcom	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$23.95		<u>1</u>	
Whatcom	<a href="#">Residential Brick Mason</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Residential Carpenters</a>	Journey Level	\$23.81		<u>1</u>	
Whatcom	<a href="#">Residential Cement Masons</a>	Journey Level	\$27.28		<u>1</u>	
Whatcom	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$25.00		<u>1</u>	
Whatcom	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$23.91		<u>1</u>	
Whatcom	<a href="#">Residential Electricians</a>	Journey Level	\$37.65		<u>1</u>	
Whatcom	<a href="#">Residential Glaziers</a>	Journey Level	\$13.79		<u>1</u>	
Whatcom	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$13.96		<u>1</u>	
Whatcom	<a href="#">Residential Laborers</a>	Journey Level	\$20.00		<u>1</u>	
Whatcom	<a href="#">Residential Marble Setters</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Residential Painters</a>	Journey Level	\$17.43		<u>1</u>	
Whatcom	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$28.26		<u>1</u>	
Whatcom	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$37.72	<u>5A</u>	<u>1G</u>	
Whatcom	<a href="#">Residential Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$34.87	<u>7J</u>	<u>1I</u>	
Whatcom	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$23.46		<u>1</u>	
Whatcom	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$13.23		<u>1</u>	
Whatcom	<a href="#">Residential Stone Masons</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$14.00		<u>1</u>	

Whatcom	<a href="#">Residential Tile Setters</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Roofers</a>	Journey Level	\$25.27		<u>1</u>	
Whatcom	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$59.42	<u>7F</u>	<u>1E</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Boilermaker	\$39.82	<u>7M</u>	<u>1H</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Carpenter	\$15.16		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Crane Operator	\$16.04		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Electrician	\$15.18		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Heat & Frost Insulator	\$63.18	<u>5J</u>	<u>1S</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Inside Machinist	\$16.70		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Laborer	\$23.38		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Outside Machinist	\$14.69		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Painter	\$15.16		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Pipefitter	\$15.18		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Sheet Metal	\$20.26		<u>1</u>	
Whatcom	<a href="#">Shipbuilding &amp; Ship Repair</a>	Welder/burner	\$15.21		<u>1</u>	
Whatcom	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$16.03		<u>1</u>	
Whatcom	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Journey Level	\$14.23		<u>1</u>	
Whatcom	<a href="#">Soft Floor Layers</a>	Journey Level	\$42.88	<u>5A</u>	<u>3D</u>	
Whatcom	<a href="#">Solar Controls For Windows</a>	Journey Level	\$9.47		<u>1</u>	
Whatcom	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$54.76	<u>7J</u>	<u>1R</u>	
Whatcom	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$13.23		<u>1</u>	
Whatcom	<a href="#">Stone Masons</a>	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$15.00		<u>1</u>	
Whatcom	<a href="#">Surveyors</a>	All Classifications	\$36.16	<u>Null</u>	<u>1</u>	
Whatcom	<a href="#">Telecommunication Technicians</a>	Journey Level	\$42.07	<u>7E</u>	<u>1E</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$37.60	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$20.79	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Installer (Repairer)	\$36.02	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Special Aparatus Installer I	\$37.60	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Special Apparatus Installer II	\$36.82	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Heavy)	\$37.60	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$34.94	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction -</a>	Telephone Lineperson	\$34.93	<u>5A</u>	<u>2B</u>	



	<a href="#">Outside</a>					
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Groundperson	\$19.73	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Lineperson/Installer	\$26.31	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television System Technician	\$31.50	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Television Technician	\$28.23	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Telephone Line Construction - Outside</a>	Tree Trimmer	\$34.93	<u>5A</u>	<u>2B</u>	
Whatcom	<a href="#">Terrazzo Workers</a>	Journey Level	\$47.46	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Tile Setters</a>	Journey Level	\$47.46	<u>5A</u>	<u>1M</u>	
Whatcom	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Finisher	\$38.29	<u>5A</u>	<u>1B</u>	
Whatcom	<a href="#">Traffic Control Stripers</a>	Journey Level	\$17.41		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Asphalt Mix	\$30.15		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Dump Truck	\$19.32		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Dump Truck And Trailer	\$19.32		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Other Trucks	\$14.48		<u>1</u>	
Whatcom	<a href="#">Truck Drivers</a>	Transit Mixer	\$16.81		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$15.00		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$9.47		<u>1</u>	
Whatcom	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$18.02		<u>1</u>	

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**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.

1. 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.
  - 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.

**Overtime Codes Continued**

1.
  - 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.
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.

**Overtime Codes Continued**

2. 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.
- 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.

**Overtime Codes Continued**

3. 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.
- 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.

**Overtime Codes Continued**

4. 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.
- G. All hours worked on Saturdays 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.

**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).
- 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.

**Holiday Codes Continued**

5. 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, the Friday 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).
- 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.

**Holiday Codes Continued**

7. 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.
- 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.



**Holiday Codes Continued**

7. 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
- 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.

**Note Codes Continued**

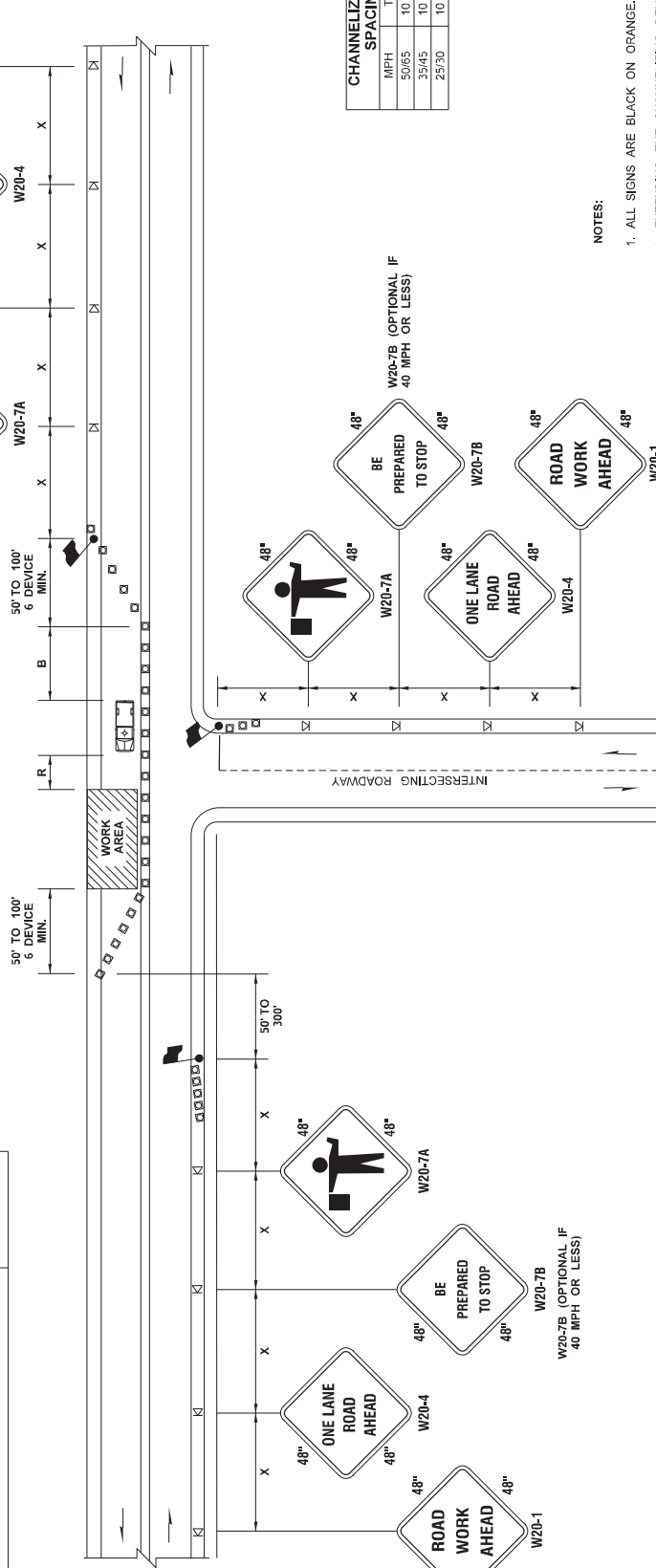
Benefit Code Key – Effective 9/2/2015 thru 3/1/2016

8. 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.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.

**APPENDIX B**  
**TRAFFIC CONTROL PLAN – WSDOT STANDARD PLANS**  
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BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	-	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R											
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.										
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.											
PROTECTIVE VEHICLE	NO SPECIFIED DISTANCE REQUIRED										
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.											

SIGN SPACING = X (1)			
RURAL HIGHWAYS	60 / 65 MPH	800' ±	
RURAL ROADS	45 / 55 MPH	500' ±	
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±	
RURAL ROADS URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)	
URBAN STREETS	25 MPH OR LESS	100' ± (2)	
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.			
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.			



## ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

FILE NAME	S:\Design R Pl 814-Standard\2-Plan Sheet Library\01-Published PSL\TC Work Zone Traffic Control\TC-1 One Lane Two Way Traffic Control with Flaggers\TC-1.dgn		
DATE	11/15/23	PM	
DESIGNED BY	9/18/2014	FHMcCo	
CHECKED BY			
PROJ. ENG.			
REGIONAL ADM.			
REVISION	DATE	BY	
NO.	REVISION	DATE	BY
WASH	STATE	FED.AID	PROJ.NO.
JOB NUMBER	CONTRACT NO.	LOCATION NO.	

PLAN REF NO	TC1
SHEET	OF
WASHINGTON STATE Department of Transportation	TRAFFIC CONTROL PLAN

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)									
LANE WIDTH (feet)	Posted Speed (mph)								
	25	30	35	40	45	50	55	60	65
10	105	150	205	270	450	500	550	-	-
11	115	165	225	295	495	550	605	660	-
12	125	180	245	320	540	600	660	720	780

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)									
SHOULDER WIDTH (feet)	Posted Speed (mph)								
	25	30	35	40	45	50	55	60	65
8'	40	40	60	90	120	130	150	160	170
10'	40	60	90	90	150	170	190	200	220

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)		
FREWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS	100' ± (2)

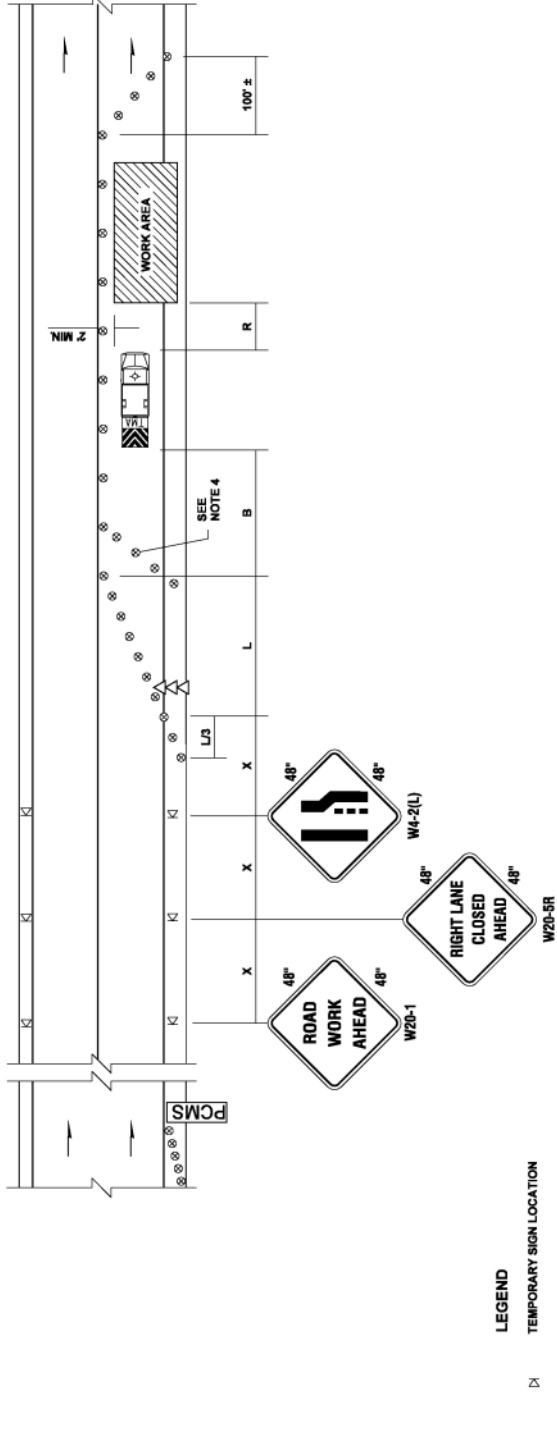
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA									
LONGITUDINAL BUFFER SPACE = B									
SPEED (MPH)	25	30	35	40	45	50	55	60	65
LENGTH (feet)	155	200	250	305	360	425	495	570	645

BUFFER VEHICLE ROLL AHEAD DISTANCE = R									
TRANSPORTABLE ATTENUATOR	30 FEET MIN.								
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	100 FEET MAX.								



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

#### NOTES:

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
- USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- ALL SIGNS ARE BLACK ON ORANGE.

## SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

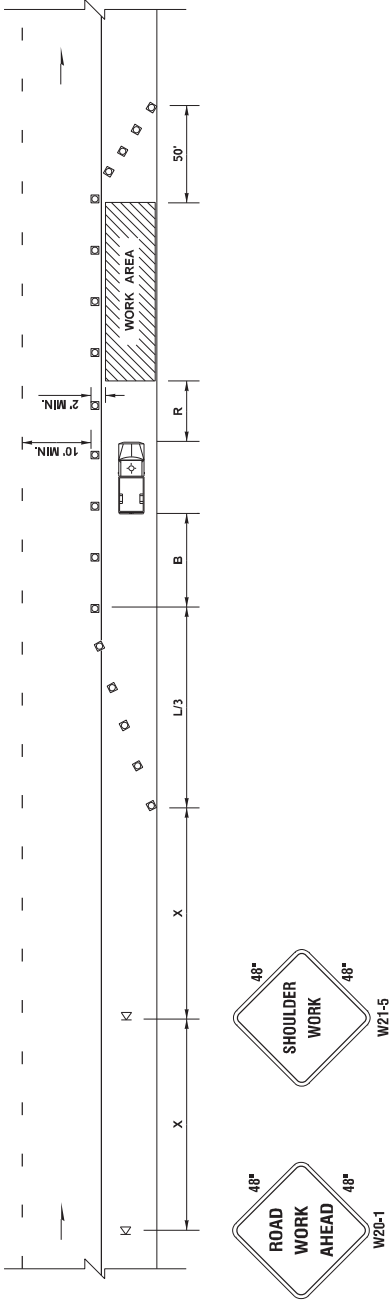
FILE NAME: S:\Design R P\4-Standard\2-Plan Sheet Library\01-Published PBL\UTC Work Zone Traffic Control\TC-3 Single-Lane Closure for Multi-Lane Roadway\TC-3.dgn DATE: 2/10/2015 PLOTTED BY: fclark DESIGNED BY: fclark CHECKED BY: fclark PROJ. ENGR: fclark REGIONAL ADM: fclark		WASH JOB NUMBER: fclark CONTRACT NO: fclark LOCATION NO: fclark		DATE: fclark BY: fclark REVISION: fclark		P.E. STAMP NO: fclark DATE: fclark		Washington State Department of Transportation		PLOT NO TC3 SHEET OF SHEETS	
TRAFFIC CONTROL PLAN											

SIGN SPACING = X (1)	
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH
URBAN STREETS	25 MPH OR LESS
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.	
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.	

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	60	90	-	-	-	-	-
10'	40	60	60	90	90	-	-	-	-	-
USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'										

CHANNELIZATION DEVICE SPACING (feet)			
MPH	TAPER	TANGENT	
35/40	30	60	
25/30	20	40	

BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305							
BUFFER VEHICLE ROLL AHEAD DISTANCE = R											
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.											
30 FEET MIN. TO 100 FEET MAX.											
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.											
NO SPECIFIED DISTANCE REQUIRED											



- LEGEND**
- K1 TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - PROTECTIVE VEHICLE

## SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)

NOT TO SCALE

- NOTES:**
1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
  2. ALL SIGNS ARE BLACK ON ORANGE.

FILE NAME	S:\Design R Pl 814-Standard\2-Plan Sheet Library\01-Published PSL\TC Work Zone Traffic Control\TC-5 Shoulder Closure - Low Speed (40 MPH or Less)\TC-5.dgn
DATE	1/20/14 PM
DESIGNED BY	FH&Co
CHECKED BY	
PROJ. ENGR	
REGIONAL ADM.	

WASH	STATE	DATE
JOB NUMBER	LOCATION NO.	DATE
CONTRACT NO.		DATE

	<b>Washington State</b> Department of Transportation
--	---

Plan Ref No <b>TC5</b>	SHEET OF SHEETS
TRAFFIC CONTROL PLAN	

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
30 FEET MIN. TO 100 FEET MAX.										
PROTECTIVE VEHICLE										
NO SPECIFIED DISTANCE REQUIRED										
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS	100' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
 (2) RAMP SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	-

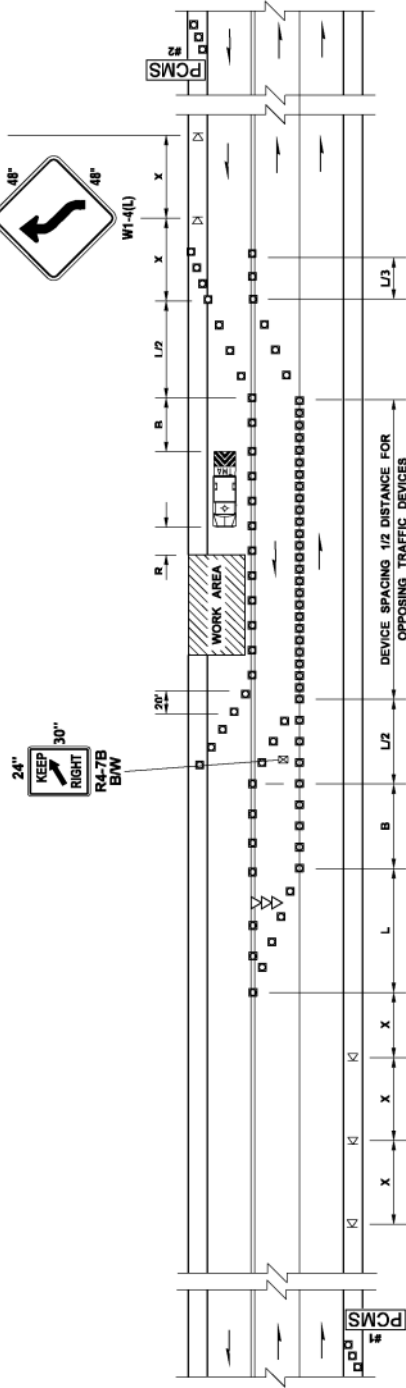
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/60	40	80
35/45	30	60
25/30	20	40

PCMS #1	
1	2
LEFT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

PCMS #2	
1	2
LANE SHIFTS LEFT	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.



- LEGEND**
- TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - TRANSPORTABLE ATTENUATOR
  - PORTABLE CHANGEABLE MESSAGE SIGN
  - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

## NOTES

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- FOR SPEED LIMIT OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- RECOMMENDED EXTENDING DEVICE TAPER (U/3) ACROSS SHOULDER.
- ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

# LANE SHIFT - THREE LANE ROADWAY

NOT TO SCALE

FILE NAME	S:\041918 R P8 SH-Standard3 Plan Sheet Library\01 Published PBL\TC Work Zone Traffic Control\TC-13 Lane Shift - Three Lane Roadway\TC-13.dgn
DATE	3/15/2018 PM 11:52:15
DESIGNED BY	WASH
ENTERED BY	JOHN BARNES
PROJ. ENGR.	CONTRACT NO.
REGIONAL ADM.	LOCATION NO.
REVISION	DATE
BY	DATE

**Washington State**  
 Department of Transportation

Plot 1  
 PLAN REF NO  
**TC12**  
 SHEET  
 OF  
 SHEETS

## TRAFFIC CONTROL PLAN

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
30 FEET MIN. TO 100 FEET MAX.										
PROTECTIVE VEHICLE										
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										
NO SPECIFIED DISTANCE REQUIRED										

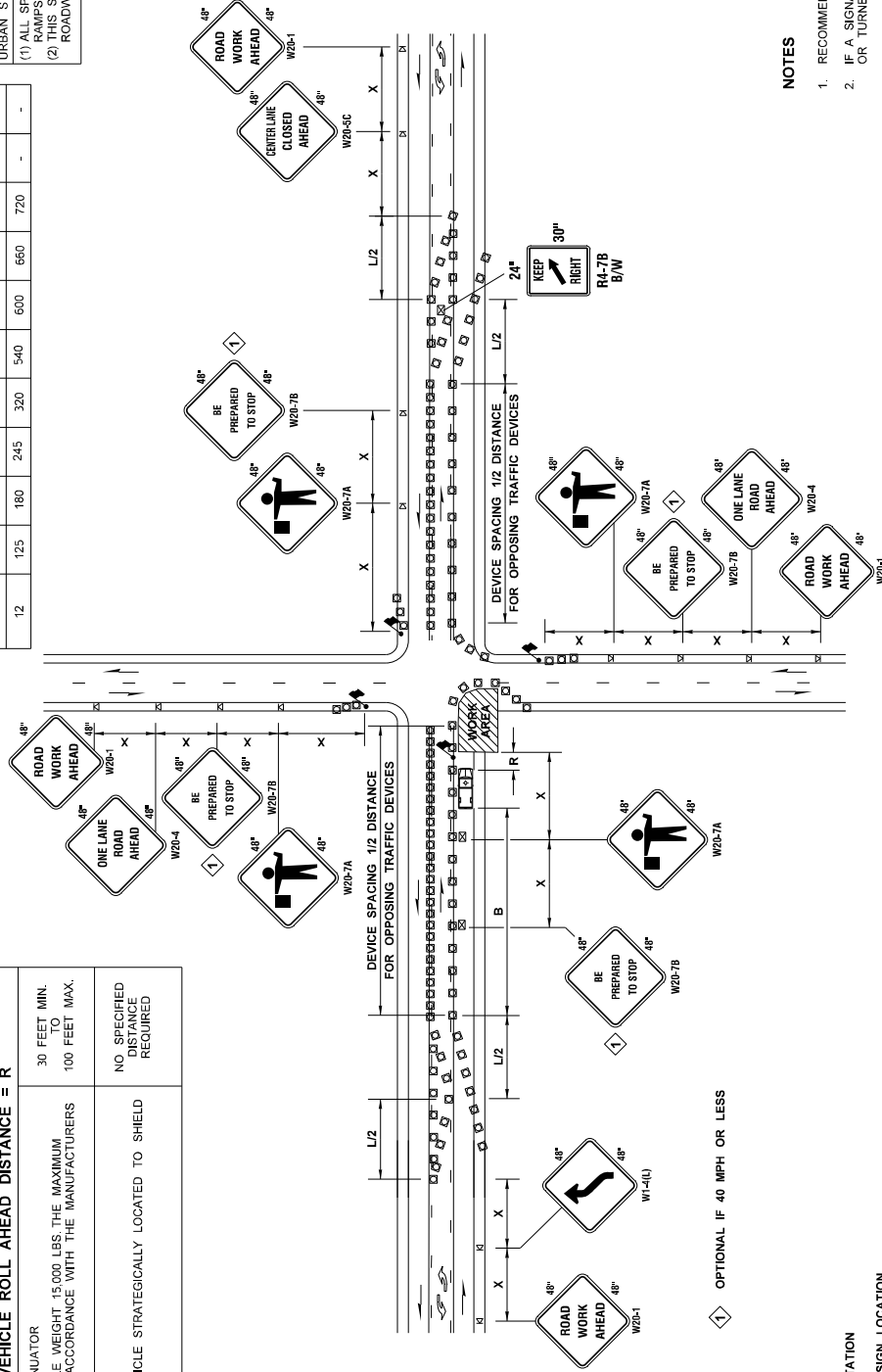
MINIMUM TAPER LENGTH = L (feet)											
LANE WIDTH (feet)	Posted Speed (mph)										
	25	30	35	40	45	50	55	60	65	70	
10	105	130	205	270	450	500	550	-	-	-	
11	115	165	225	295	495	550	605	660	-	-	
12	125	180	245	320	540	600	660	720	-	-	

SIGN SPACING = X (1)	
RURAL HIGHWAYS	60 / 65 MPH
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH
URBAN STREETS	25 MPH OR LESS
URBAN STREETS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)	
MPH	TAPER
50/70	40
35/45	30
25/30	20



OPTIONAL IF 40 MPH OR LESS

LEGEND

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE - RECOMMENDED
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

NOTES

- RECOMMEND EXTENDING DEVICE TAPER (U3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

INTERSECTION LANE CLOSURE ~ THREE LANE ROADWAY

NOT TO SCALE

FILE NAME	S:\Design R Pls 814-Standard\2-Plan Sheet Library\01-Published PSL\TC Work Zone Traffic Control\WTC-14 Intersection Lane Closure - Three Lane Roadway\TC-14.sign
DATE	1/27/17 PM
TIME	9:18:20:14
DESIGNED BY	FileCo
DESIGNED BY	
CHECKED BY	
PROJ. ENGR	
REGIONAL ADM.	
DATE	BY
REVISION	
REGION	STATE
CONTRACT NO.	WASH
JOB NUMBER	
LOCATION NO.	
FED.AID PROJ.NO.	

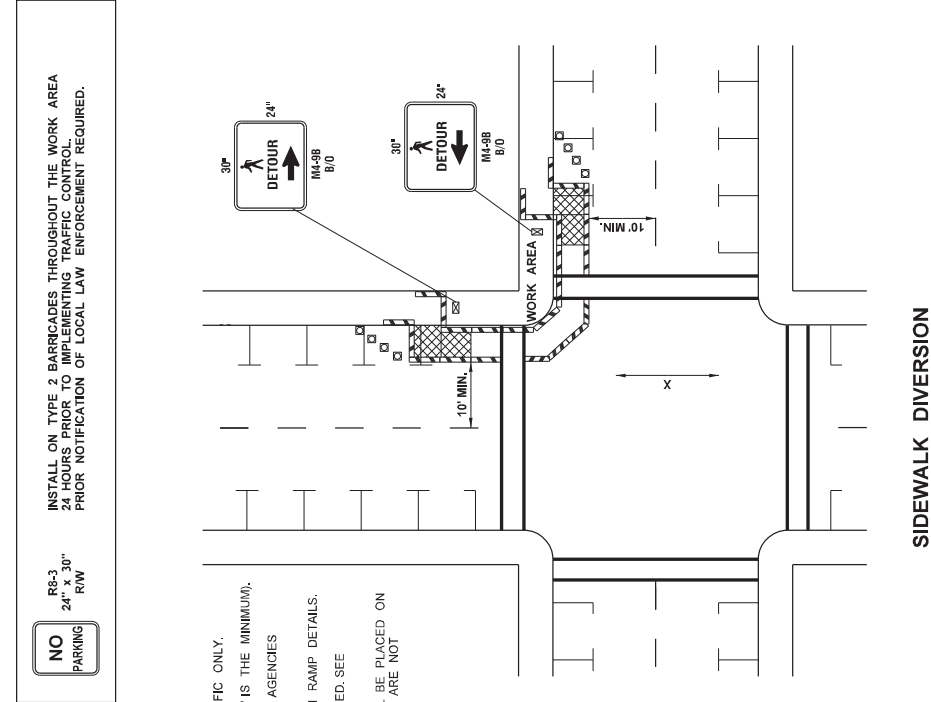
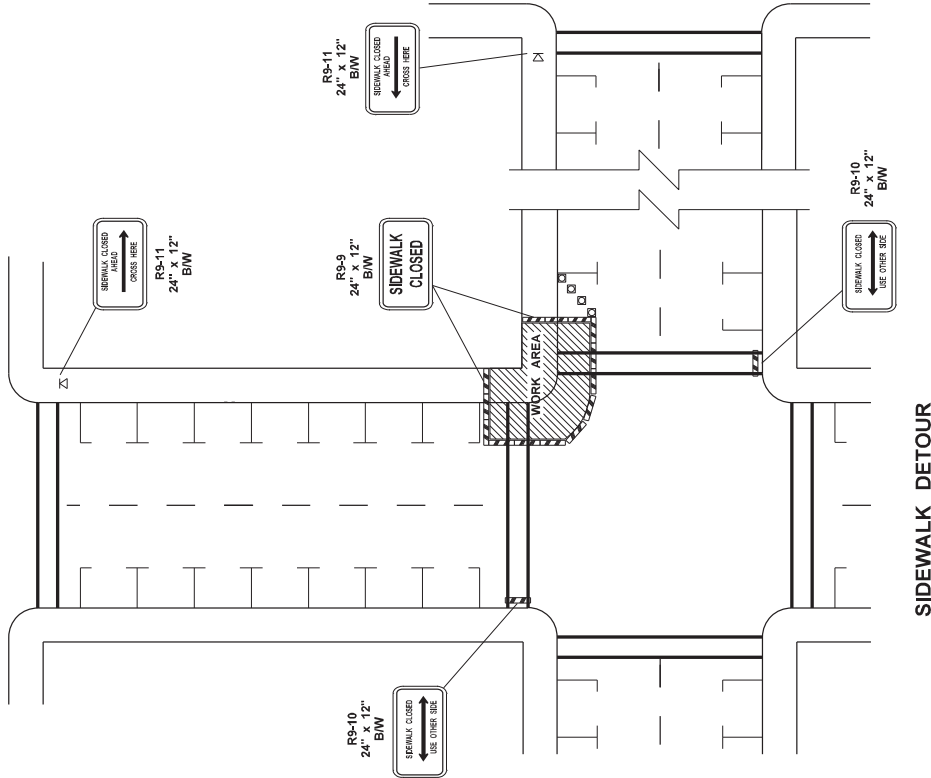


Washington State  
Department of Transportation

TRAFFIC CONTROL PLAN





Plot 1  
PLAN REF NO  
TC14  
SHEET  
OF  
SHEETS





- ## NOTES
1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
  2. A 60" PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
  3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
  4. SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
  5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED. SEE STANDARD SPECIFICATION 11-10.2.4(1b).
  6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.

## LEGEND

- |   |                                 |
|---|---------------------------------|
|  | TEMPORARY SIGN LOCATION         |
|  | CHANNELIZING DEVICES            |
|  | PEDESTRIAN CHANNELIZING DEVICES |
|  | TEMPORARY PEDESTRIAN RAMP FOR   |

# INTERSECTION PEDESTRIAN TRAFFIC CONTROL

[illegible]

**NOT TO SCALE**

DATE \_\_\_\_\_

P.E. STAND BOX



Washington State  
Department of Transportation

PEDESTRIAN CONTROL AND PROTECTION

Plot 1	PLAN REF NO	TC16
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BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANU- FACTURER RECOMMENDATION)
◇ ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

MINIMUM TAPER LENGTH = L (FEET)	
LANE WIDTH (FEET)	POSTED SPEED (MPH)
25	30 35 40 45 50 55
10	105 150 205 270 450 500 550
11	115 165 225 264 495 550 605
12	125 180 245 320 540 600 660

SIGN SPACING = X (1)	
RURAL ROADS	45 / 55 MPH 500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH 350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH 200' ± (2)
URBAN STREETS	25 MPH OR LESS 100' ± (2)
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE	

# NOTES

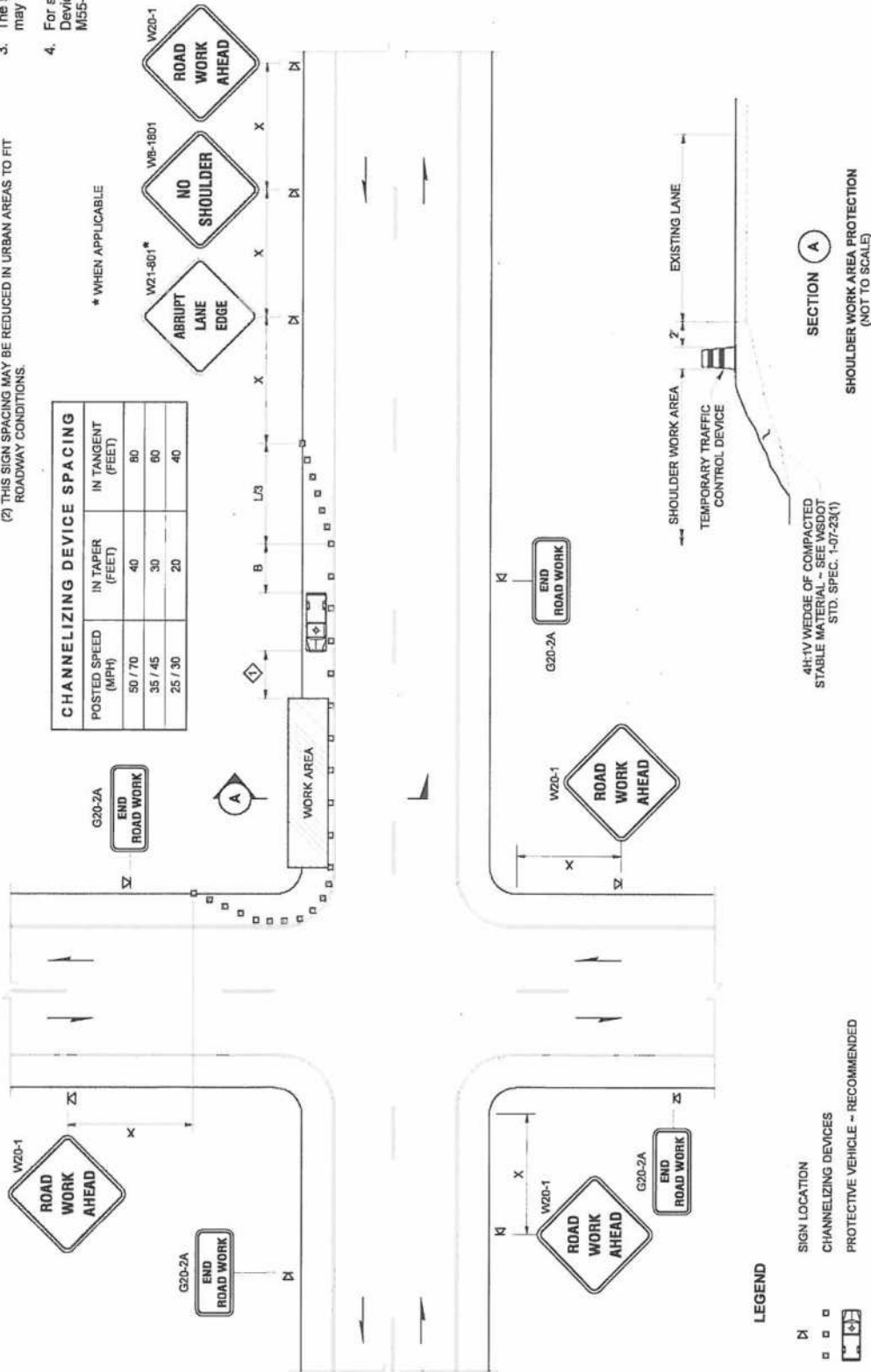
1. A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
2. For long term projects conflicting pavement markings that are no longer applicable shall be removed. Temporary markings shall be used as necessary and signs shall be post mounted.
3. The sign MOTORCYCLES USE EXTREME CAUTION may be used.
4. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
35 / 45	30	60
25 / 30	20	40

\* WHEN APPLICABLE



## LEGEND

- ◇ SIGN LOCATION
- CHANNELIZING DEVICES
- ◇ PROTECTIVE VEHICLE - RECOMMENDED



11/23/15

**INTERSECTION  
~ SHOULDER WORK**  
**STANDARD PLAN K-36.20-00**  
SHEET 1 OF 1 SHEET

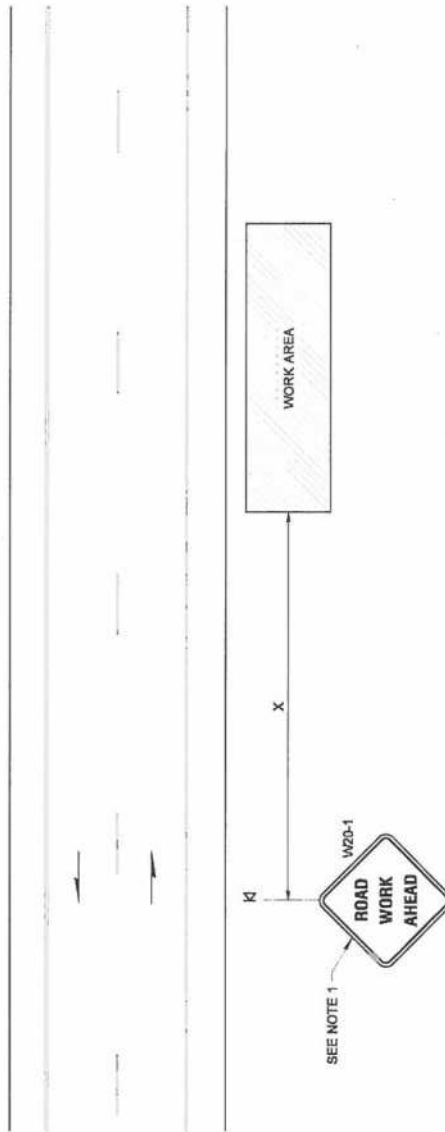
SIGN SPACING = X (1)			
RURAL ROADS	45 / 55 MPH	500' ±	
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±	
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)	
URBAN STREETS	25 MPH OR LESS	100' ± (2)	
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE			

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

## NOTES

1. The sign shown is not required in the following cases: the work space is behind a barrier, or more than 2' behind the curb, or more than 15' from the edge of a roadway.
2. For sign size, refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.



## LEGEND

K1 SIGN LOCATION



11/23/15

**WORK BEYOND  
THE SHOULDER**  
**STANDARD PLAN K-40.80-00**  
SHEET 1 OF 1 SHEET

# NOTES

- See Standard Plan K-24.80 for typical lane closure signing details, device spacing requirements, and lane closure taper length.
- MOTORCYCLES USE EXTREME CAUTION signs shall be installed when the following roadway conditions exist:
  - grooved pavement
  - abrupt lane edge
  - steel plates
  - loose gravel of earth
- Specific signs for each of the conditions noted shall be installed along with MOTORCYCLES USE EXTREME CAUTION signs. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

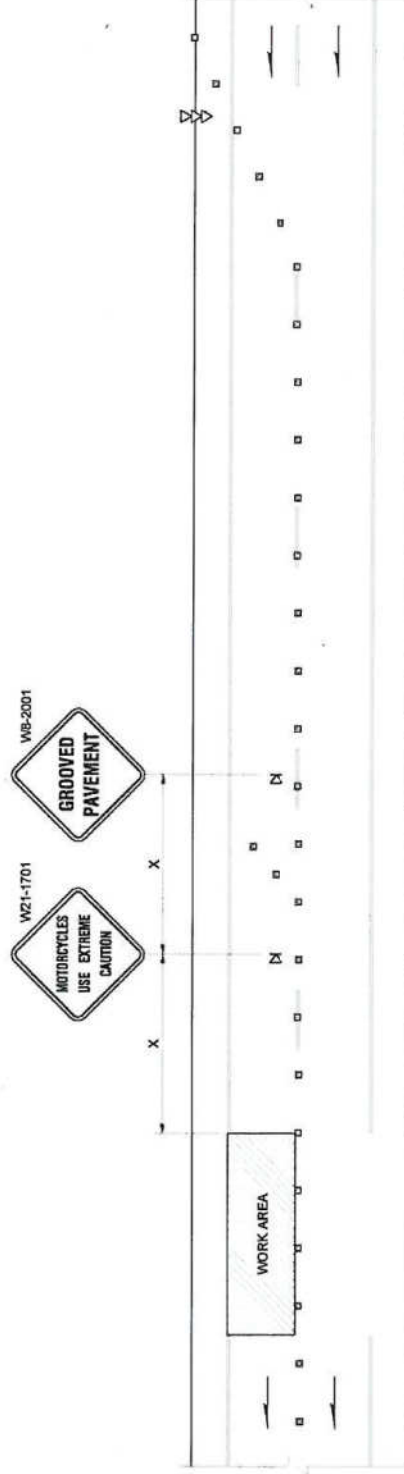
CHANNELIZING DEVICE SPACING

POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
35 / 45	30	80
25 / 30	20	40

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.

(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



## LEGEND

- ▤ SIGN LOCATION
- CHANNELIZING DEVICES
- ARROW PANEL

MOTORCYCLE WARNING SIGN (W21-1701) SHOULD BE INSTALLED AT 1 MILE SPACING, THROUGHOUT THE WORK ZONE WHERE THE CONDITION EXISTS, AS PART OF THE SEQUENCE OF OTHER APPROPRIATE STANDARD WARNING SIGNS ON 1 MILE SPACING

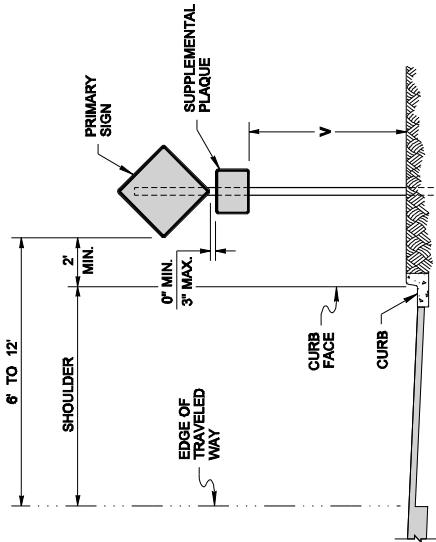


11/23/15

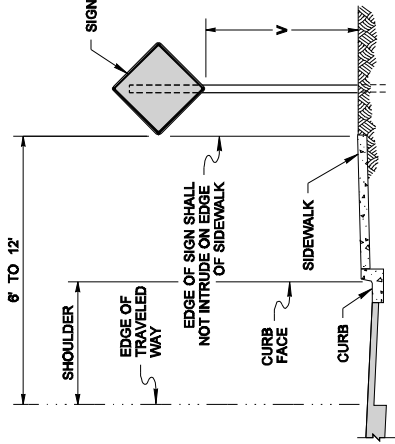
**MOTORCYCLE  
SUPPLEMENTAL SIGNING  
STANDARD PLAN K-60.40-00**  
SHEET 1 OF 1 SHEET

NOTES

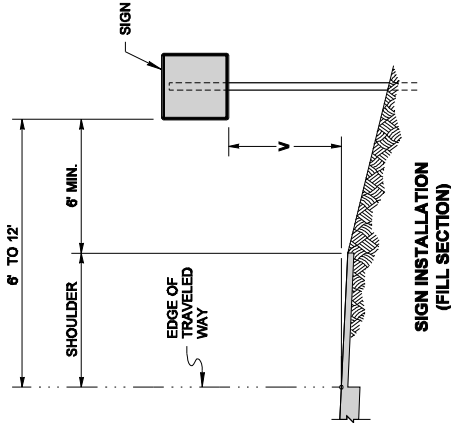
1. For sign installation details, see Std. Plan G - series.
2. In rural areas, the "V" Height can be a minimum of 7 feet for primary signs and 6 feet for the supplemental plaques for greater visibility, as directed by the engineer.
3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.



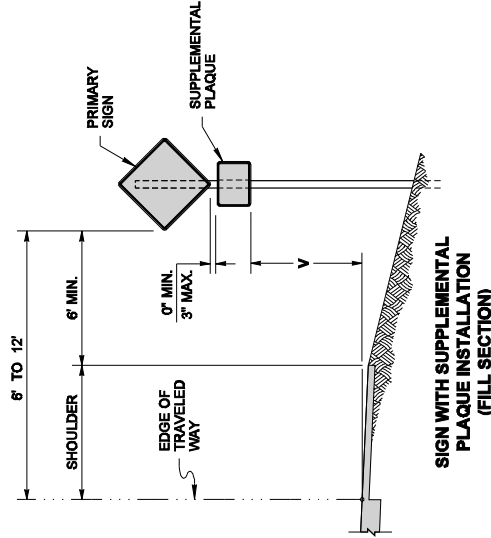
SIGN INSTALLATION  
(CURB SECTION)



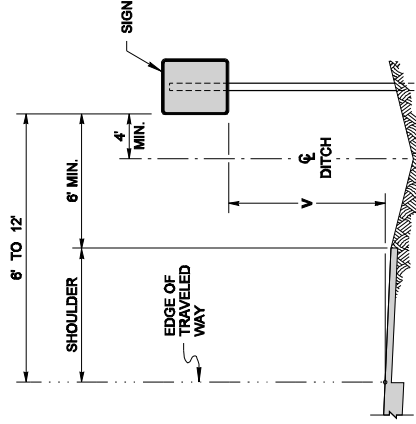
SIGN INSTALLATION  
(SIDEWALK AND CURB SECTION)



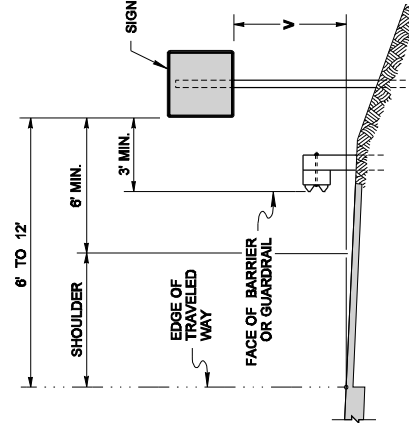
SIGN INSTALLATION  
(FILL SECTION)



SIGN WITH SUPPLEMENTAL  
PLAQUE INSTALLATION  
(FILL SECTION)



SIGN INSTALLATION  
(DITCH SECTION)



SIGN INSTALLATION  
(BEHIND TRAFFIC BARRIER)

HEIGHT V		TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM	4' MINIMUM	6' MINIMUM
URBAN	7' MINIMUM	6' MINIMUM	8' MINIMUM

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT.  
FOR ANY REVISIONS, CONTACT THE ORIGINAL DESIGNER.  
FOR THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, A COPY MAY BE OBTAINED UPON REQUEST.

THEODORE J. TREPANIER  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
No. 25325  
EXPIRES AUGUST 9, 2007

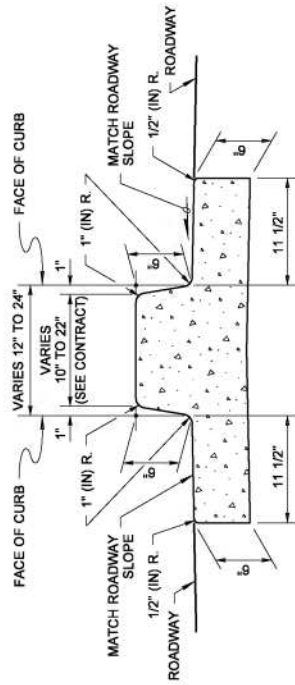
**CLASS A  
CONSTRUCTION SIGNING  
INSTALLATION  
STANDARD PLAN K-80.10-00**

SHEET 1 OF 1 SHEET

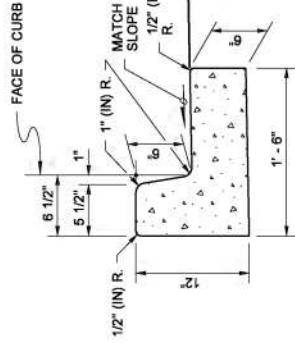
APPROVED FOR PUBLICATION  
**Ken L. Smith** 02-21-07  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

**APPENDIX C**  
**WSDOT STANDARD PLANS**  
(This Page Intentionally Left Blank)

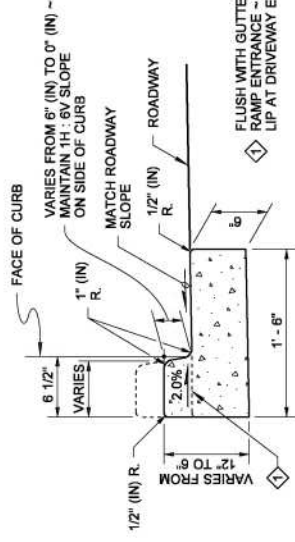




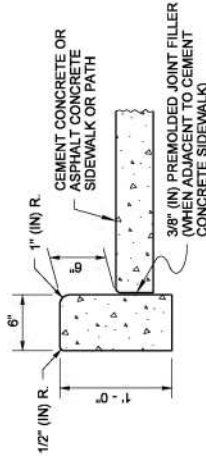
**DUAL-FACED CEMENT CONCRETE TRAFFIC CURB AND GUTTER**



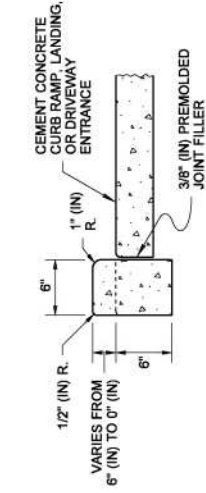
**CEMENT CONCRETE TRAFFIC CURB AND GUTTER**



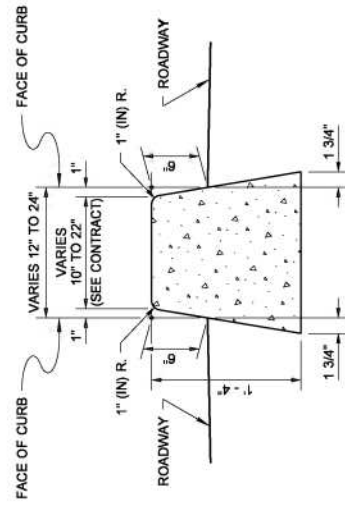
**DEPRESSED CURB SECTION AT CURB RAMPS AND DRIVEWAY ENTRANCES**



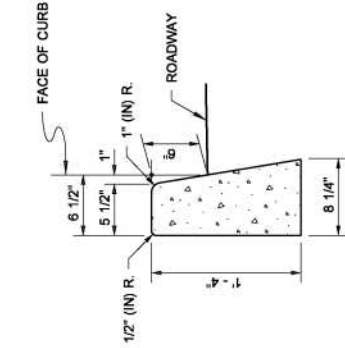
**CEMENT CONCRETE PEDESTRIAN CURB**



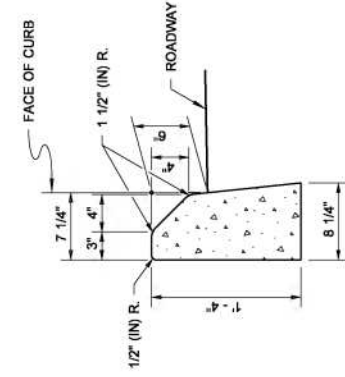
**CEMENT CONCRETE PEDESTRIAN CURB AT CURB RAMPS, LANDINGS, AND DRIVEWAY ENTRANCES**



**DUAL-FACED CEMENT CONCRETE TRAFFIC CURB**



**CEMENT CONCRETE TRAFFIC CURB**



**MOUNTABLE CEMENT CONCRETE TRAFFIC CURB**

**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.

DRAWN BY: FERN LIDDELL



Barry, Ed  
May 6 2014 3:31 PM

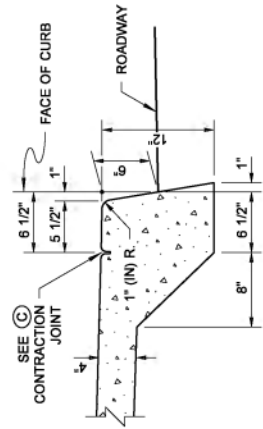
**CEMENT CONCRETE CURBS**

**STANDARD PLAN F-10.12-03**

SHEET 1 OF 1 SHEET

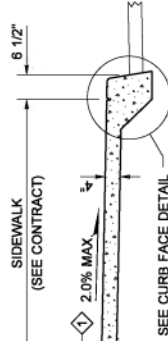
APPROVED FOR PUBLICATION  
Hatch, Inc.  
Jan 11 2014 1:25 PM

STATE DESIGN ENGINEER  
Washington State Department of Transportation



**CURB FACE DETAIL**

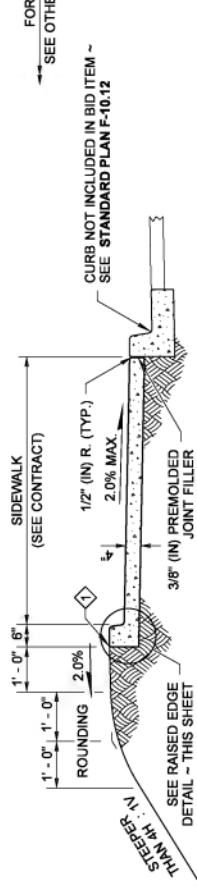
EXTEND SIDEWALK TRANSVERSE EXPANSION JOINTS TO INCLUDE CURB (FULL DEPTH)



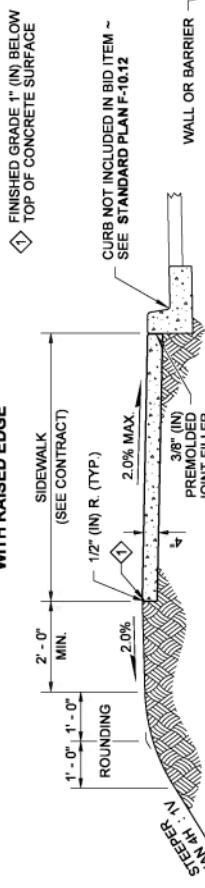
**MONOLITHIC CEMENT CONCRETE CURB AND SIDEWALK**

**NOTE**

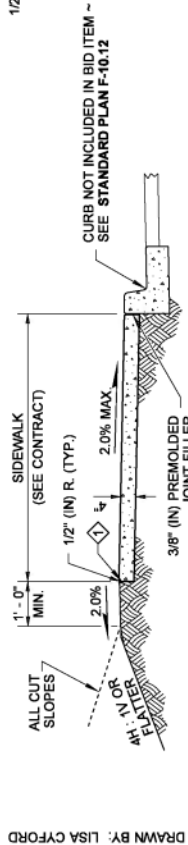
- Four feet of the sidewalk width shall be the minimum pedestrian accessible route free of vertical and horizontal obstructions. Gratings, Access Covers, Junction Boxes, Cable Vaults, Pull Boxes and other appearances within the sidewalk must have slip resistant surfaces, be flush with surface, and match grade of the sidewalk.



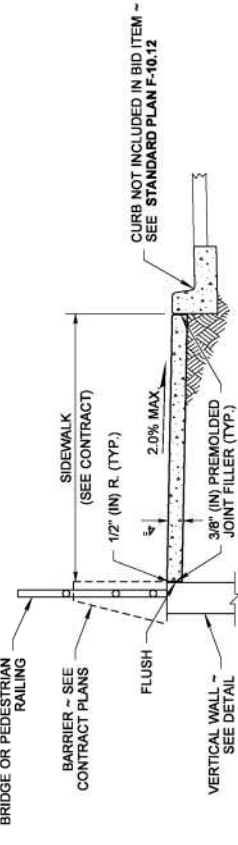
**WITH RAISED EDGE**



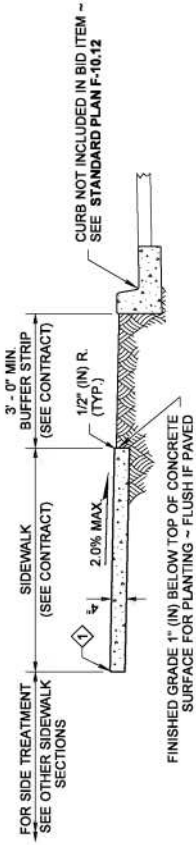
**ADJACENT TO CURB (STEEP FILL SLOPES)**



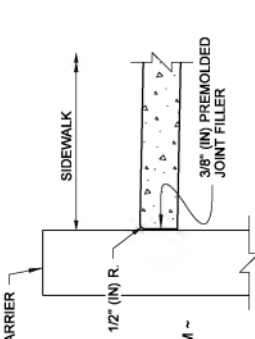
**ADJACENT TO CURB**



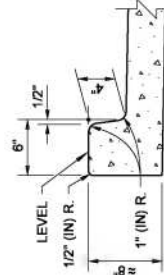
**ADJACENT TO CURB AND RAILING OR WALL**



**ADJACENT TO BUFFER STRIP**

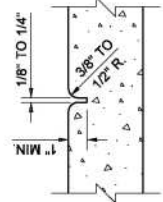


**SIDEWALK ADJACENT TO WALL DETAIL**

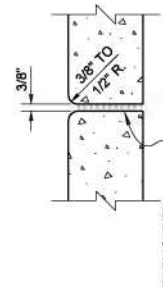


**RAISED EDGE DETAIL**

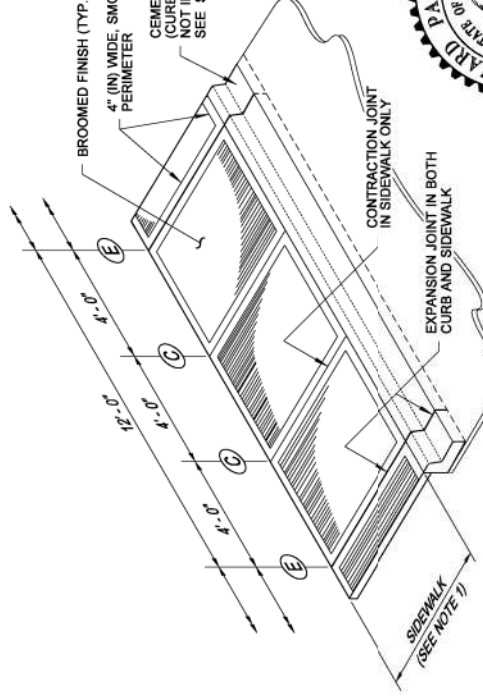
EXTEND SIDEWALK TRANSVERSE JOINTS TO INCLUDE RAISED EDGE



**CONTRACTION JOINT**



**EXPANSION JOINT**



**ISOMETRIC VIEW JOINT AND FINISH DETAIL**



Barry, Ed  
May 6 2014 3:41 PM

**CEMENT CONCRETE SIDEWALK**

**STANDARD PLAN F-30.10-03**

SHEET 1 OF 1 SHEET

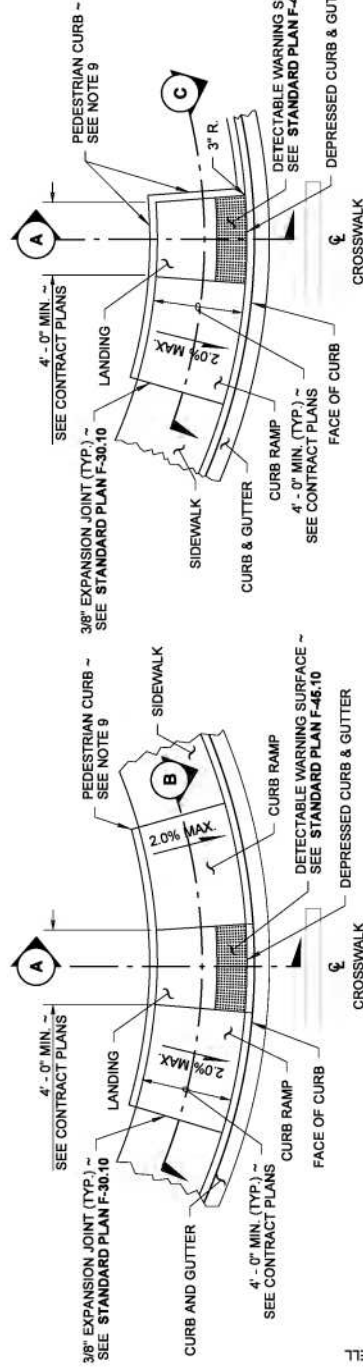
APPROVED FOR PUBLICATION  
Husveth, Pecos  
Jan 11 2014 1:23 PM

STATE DESIGN ENGINEER  
Washington State Department of Transportation

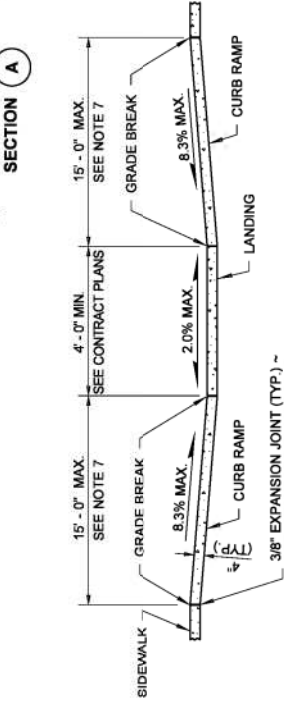


# NOTES

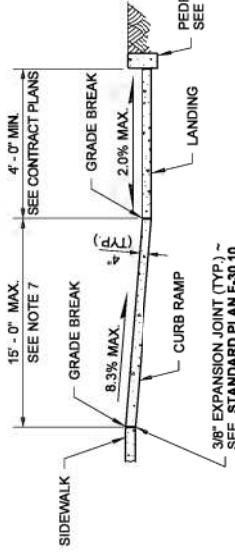
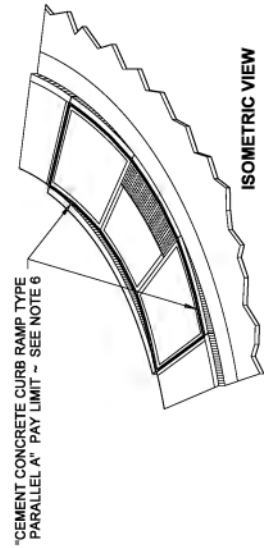
1. Provide a separate Curb Ramp for each marked or unmarked crosswalk. Curb Ramp location shall be placed within the width of the associated crosswalk, or as shown in the Contract Plans.
2. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes 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.
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.



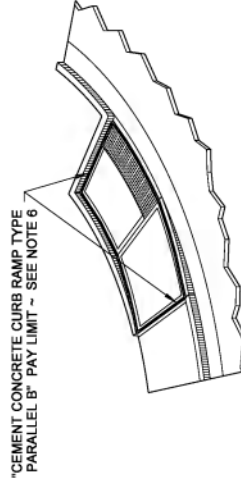
DRAWN BY: FERN LIDDELL



## SECTION B



## SECTION C



## LEGEND

SLOPE IN EITHER DIRECTION



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## PARALLEL CURB RAMP STANDARD PLAN F-40.12-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Pasco Bakofich III** 6/20/13

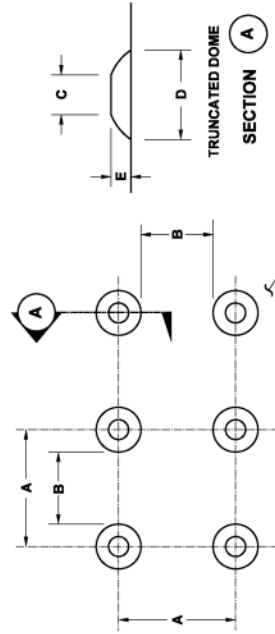
DATE

STATE DESIGN ENGINEER

Washington State Department of Transportation

ISOMETRIC VIEW  
TYPE PARALLEL B PAY LIMIT

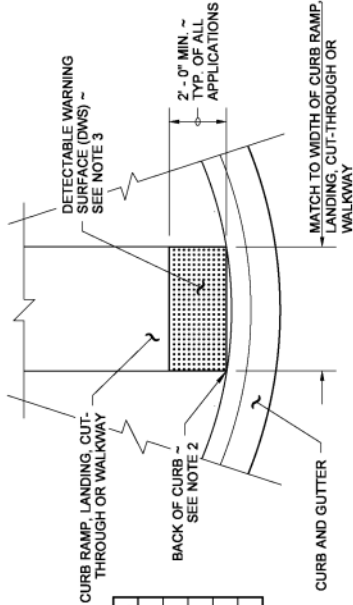
ISOMETRIC VIEW  
TYPE PARALLEL A PAY LIMIT



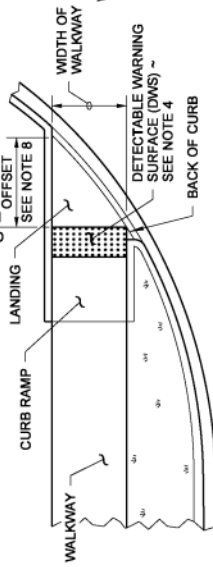
TRUNCATED DOME SPACING  
SEE NOTE 3

TRUNCATED DOME DETAILS  
SEE STANDARD SPECIFICATIONS FOR  
COLOR OF SURFACE

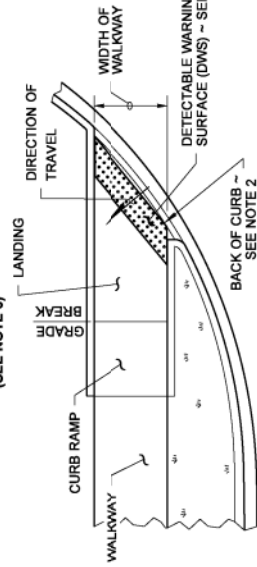
	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	—
C	0.45"	0.90"
D	0.9"	1.40"
E	0.2"	0.2"



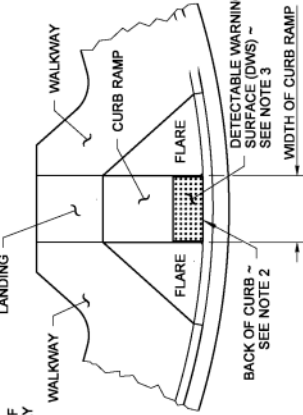
DETECTABLE WARNING SURFACE DETAIL



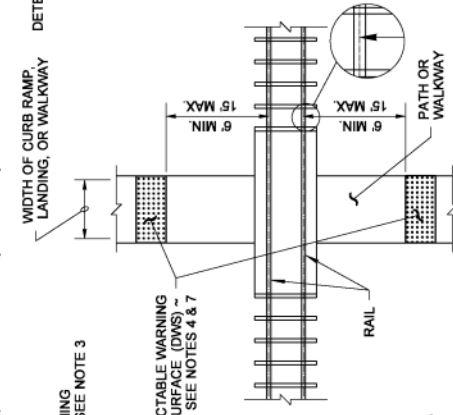
SINGLE DIRECTION CURB RAMP  
(GRADE BREAK BETWEEN CURB AND  
LANDING > 5 FT. FROM BACK OF CURB)  
(SEE NOTE 6)



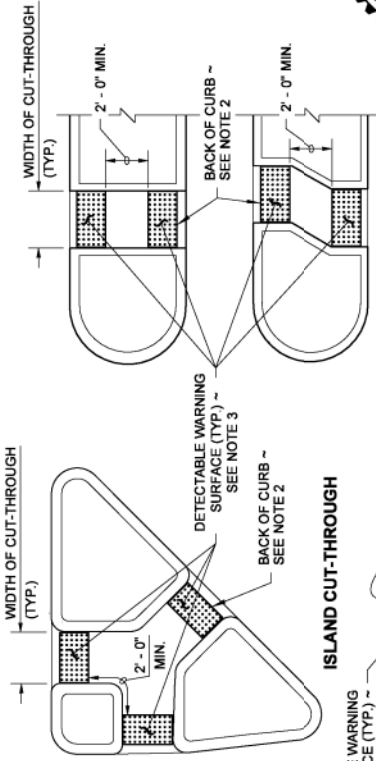
SINGLE DIRECTION CURB RAMP  
(GRADE BREAK BETWEEN CURB AND  
LANDING > 5 FT. FROM BACK OF CURB)  
(SEE NOTE 6)



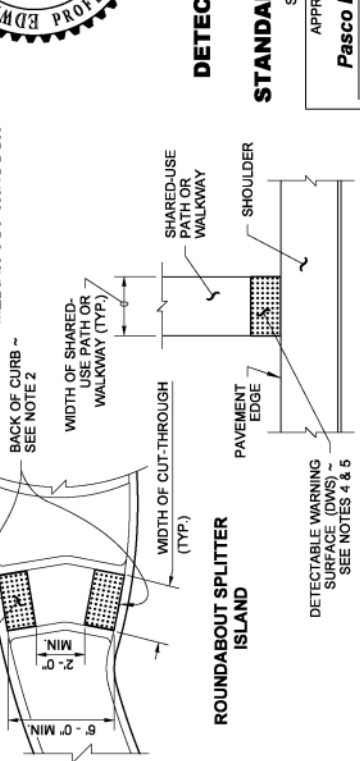
PERPENDICULAR CURB RAMP  
(SEE NOTE 6)



PARALLEL CURB RAMP  
(SEE NOTE 6)



DETECTABLE WARNING SURFACE DETAIL



ROUNDABOUT SPLITTER ISLAND

PEDESTRIAN RAILROAD CROSSING

PLACEMENT GUIDELINES

SHARED-USE PATH CONNECTION

NOTES

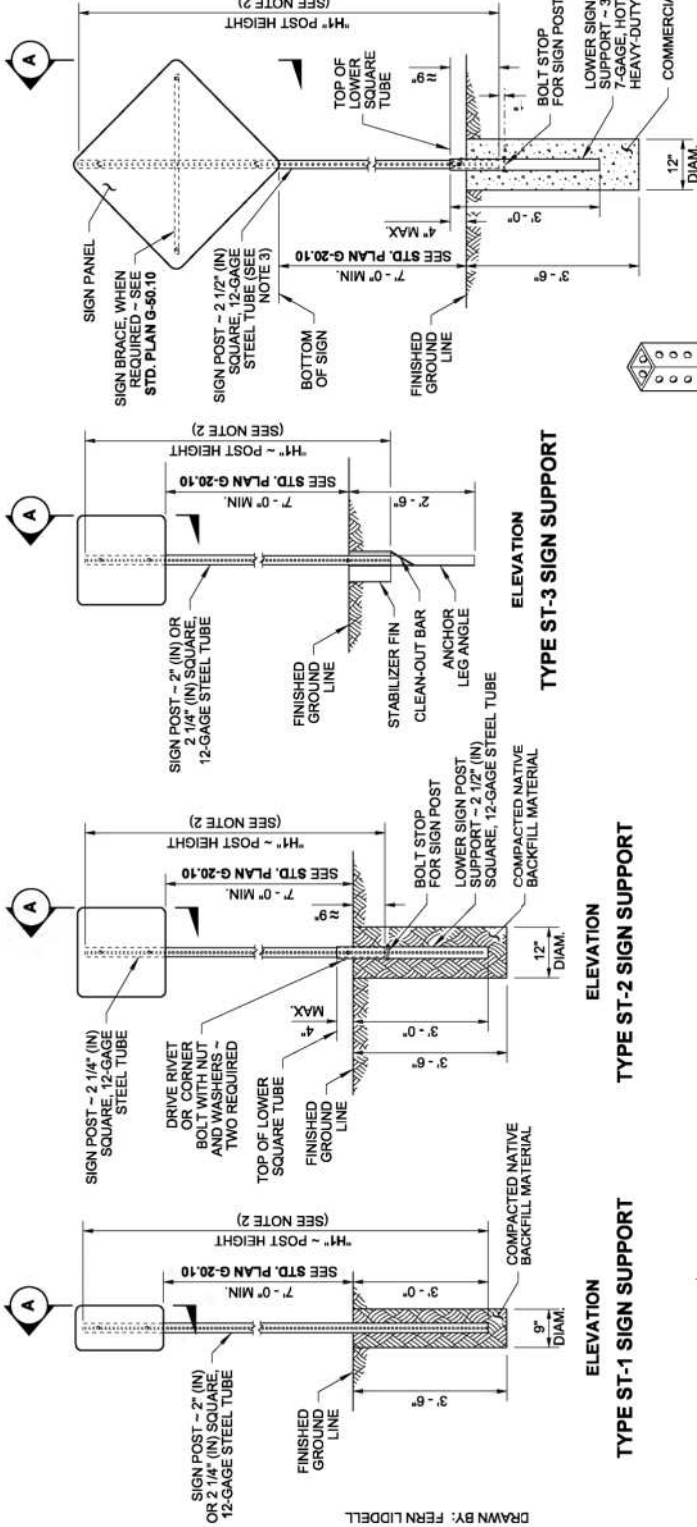
1. The Detectable Warning Surface (DWS) shall extend the full width of the curb ramp (exclusive of flares) or the landing.
2. The Detectable Warning Surface shall be placed at the back of curb, and need not follow the radius.
3. The rows of truncated domes shall be aligned to be perpendicular to the grade break at the back of curb.
4. The rows of truncated domes shall be aligned to be parallel to the direction of travel.
5. If curb and gutter are not present, such as a shared-use path connection, the Detectable Warning Surface shall be placed at the pavement edge.
6. See **Standard Plans** for sidewalk and curb ramp details.
7. If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from the rail.
8. When the grade break between the curb ramp and the landing is less than or equal to 5 ft. from the back of curb at all points, place the Detectable Warning Surface on the bottom of the curb ramp.



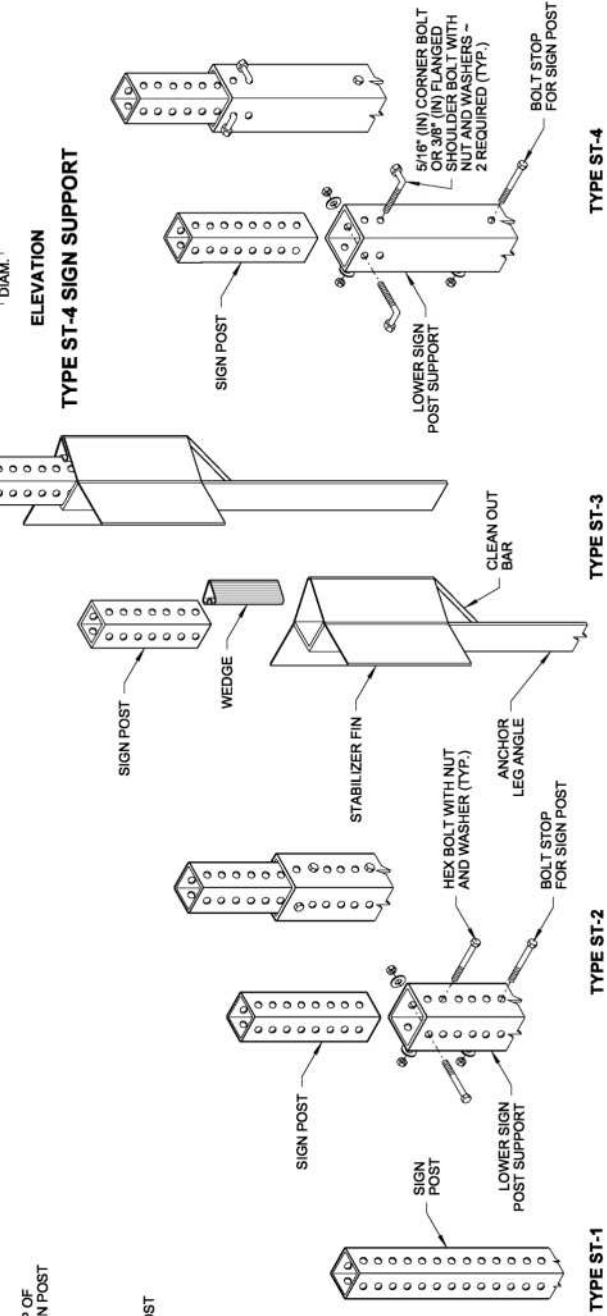
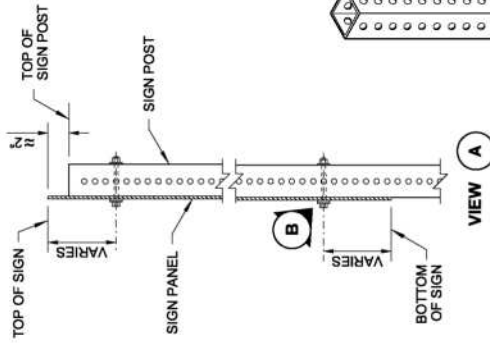
DETECTABLE WARNING SURFACE  
STANDARD PLAN F-45.10-01

# **NOTES**

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



DRAWN BY: FERN LIDDELL



**DETAIL B**



Notes: John C. Nisbitt  
Jan 12, 2014 7:41 AM

## **STEEL SIGN SUPPORT TYPES ST-1 - ST-4 INSTALLATION DETAILS STANDARD PLAN G-24.50-03**

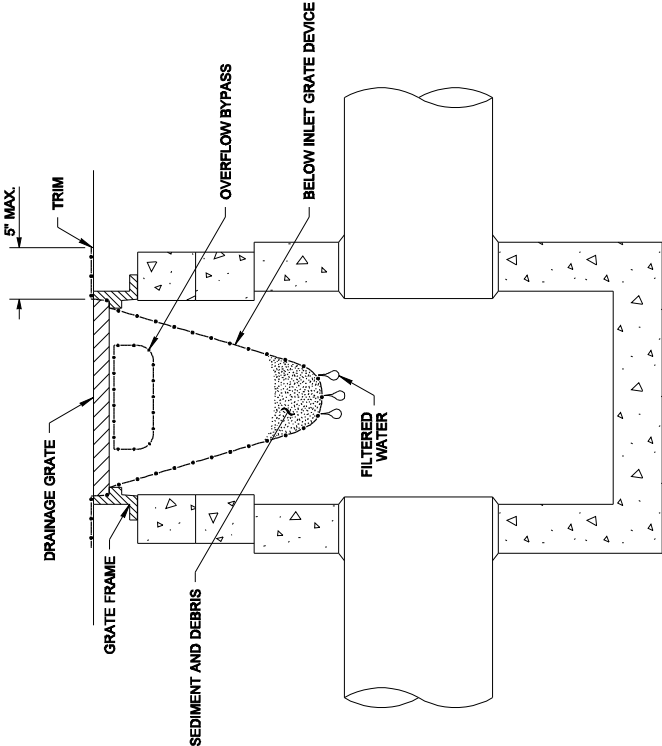
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Bakerich, Pasco  
Jan 17, 2014 9:39 AM

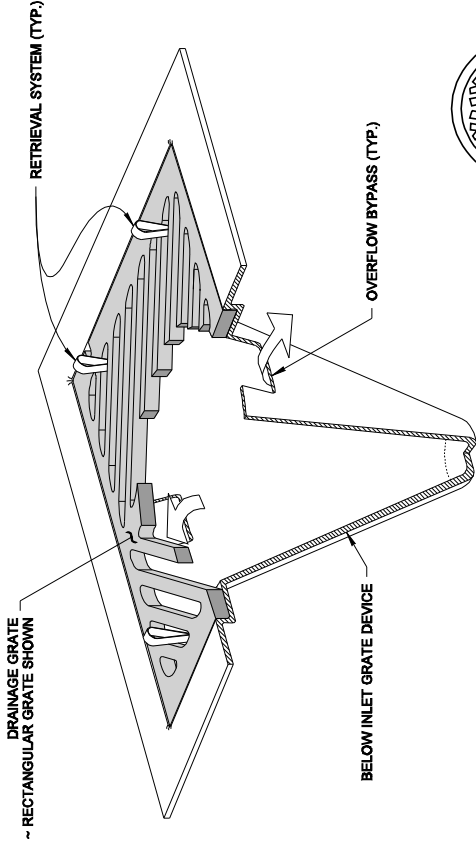
STATE DESIGN ENGINEER  
Washington State Department of Transportation

NOTES

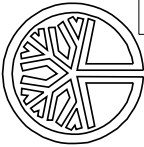
1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance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



SECTION VIEW  
NOT TO SCALE



ISOMETRIC VIEW



STATE OF  
WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT

MARK W. MAURER  
CERTIFICATE NO. 000598

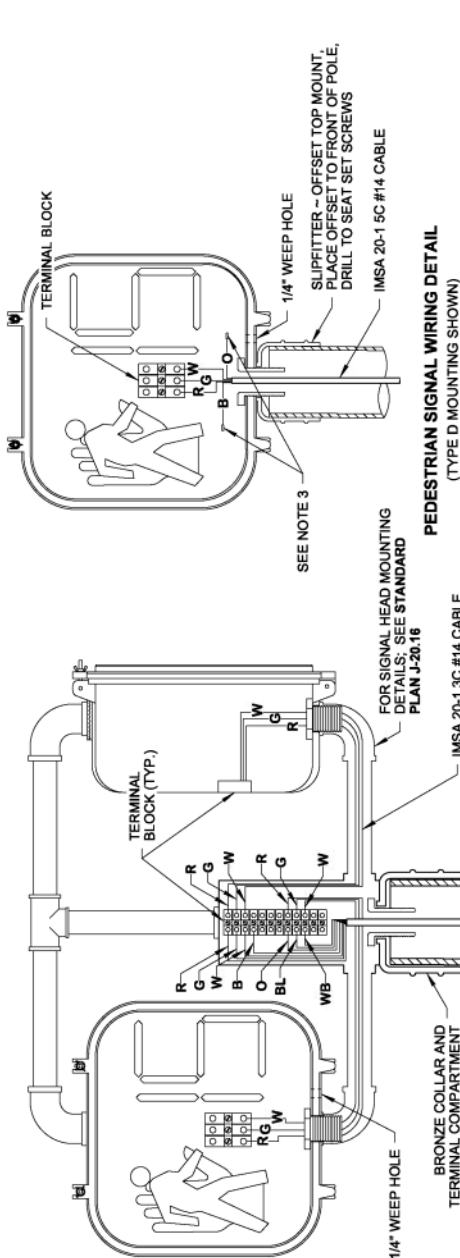
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. IT IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THE INTENTED PURPOSE. THE ORIGINAL, SIGNED BY THE ENGINEER AND ARCHITECT, MUST BE SUBMITTED WITH ANY PERMIT APPLICATION. A COPY MAY BE OBTAINED UPON REQUEST.

**STORM DRAIN  
INLET PROTECTION**  
**STANDARD PLAN I-40.20-00**  
SHEET 1 OF 1 SHEET

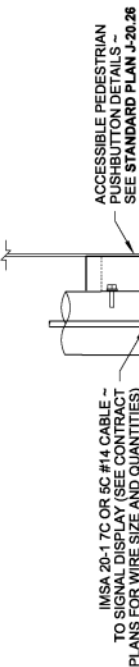
APPROVED FOR PUBLICATION  
**Pasco Bakotich III** 09-20-07  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

NOTES

1. See **Standard Plan J-21.10** for Signal Standard Foundation with Fixed Base and Slip Base details.
2. See **Standard Specification 9-29.3** for Cable Conductor requirements.
3. Install heat shrink caps on all spare conductors not terminated on a terminal strip.
4. Supplemental grounding conductor shall be non-insulated #4 AWG stranded copper and shall be clamped to vertical rebar with a connector suitable for use embedded in concrete: provide 3" - 0" min. slack. Attach to pole grounding stud with a full circle crimp-on connector (crimped with manufacturer's recommended crimper).
5. Equipment grounding conductor shall attach to grounding stud with a full circle crimp-on connector (crimped with a manufacturer's recommended crimper).

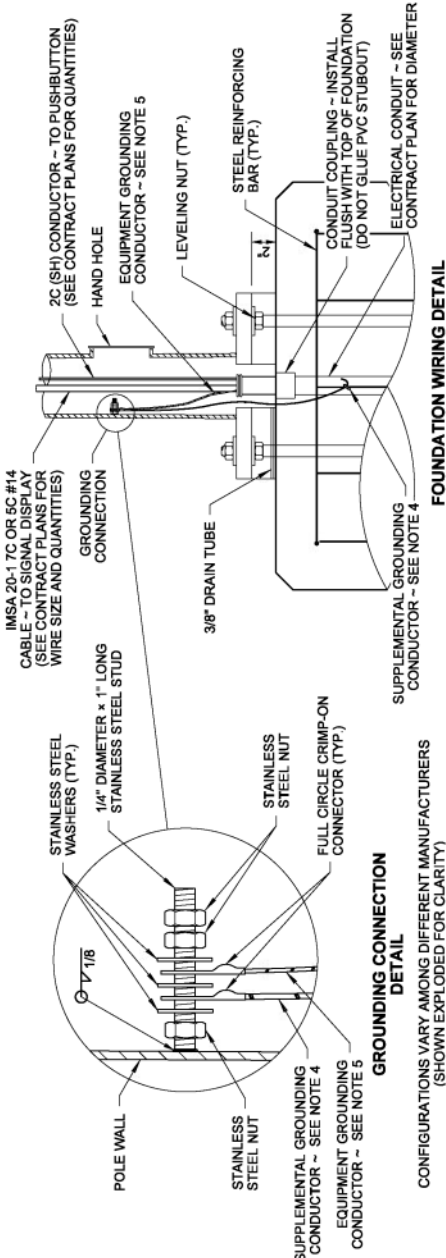


PEDESTRIAN SIGNAL WIRING DETAIL  
(TYPE D MOUNTING SHOWN)



DOUBLE PEDESTRIAN SIGNAL  
WIRING DETAIL  
(TYPE C MOUNTING SHOWN)

ACCESSIBLE PEDESTRIAN PUSHBUTTON  
WIRING DETAIL



GROUNDING CONNECTION  
DETAIL

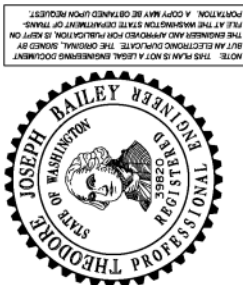
CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS  
(SHOWN EXPLODED FOR CLARITY)

5C PEDESTRIAN HEAD TERMINATIONS		
TERMINAL NUMBER	COLOR CODE	USE
7 * 1	R	DONT WALK DISPLAY
7 * 2	G	WALK DISPLAY
7 * 3	W	NEUTRAL CONDUCTOR
7 * 6	B	SPARE CONDUCTOR
7 * 7	O	SPARE CONDUCTOR

\* ASSOCIATED PHASE NUMBER

7C PEDESTRIAN HEAD TERMINATIONS		
TERMINAL NUMBER	COLOR CODE	USE
7 * 1	R	DONT WALK DISPLAY
7 * 2	G	WALK DISPLAY
7 * 3	W	NEUTRAL CONDUCTOR
7 * 6	B	SPARE CONDUCTOR
7 * 1	O	DONT WALK DISPLAY
7 * 2	BL	WALK DISPLAY
7 * 3	WB	NEUTRAL CONDUCTOR

\* ASSOCIATED PHASE NUMBER



**PEDESTRIAN SIGNAL  
STANDARD (TYPE PS)  
ELECTRICAL DETAIL  
STANDARD PLAN J-20.20-02**

SHEET 1 OF 1 SHEET

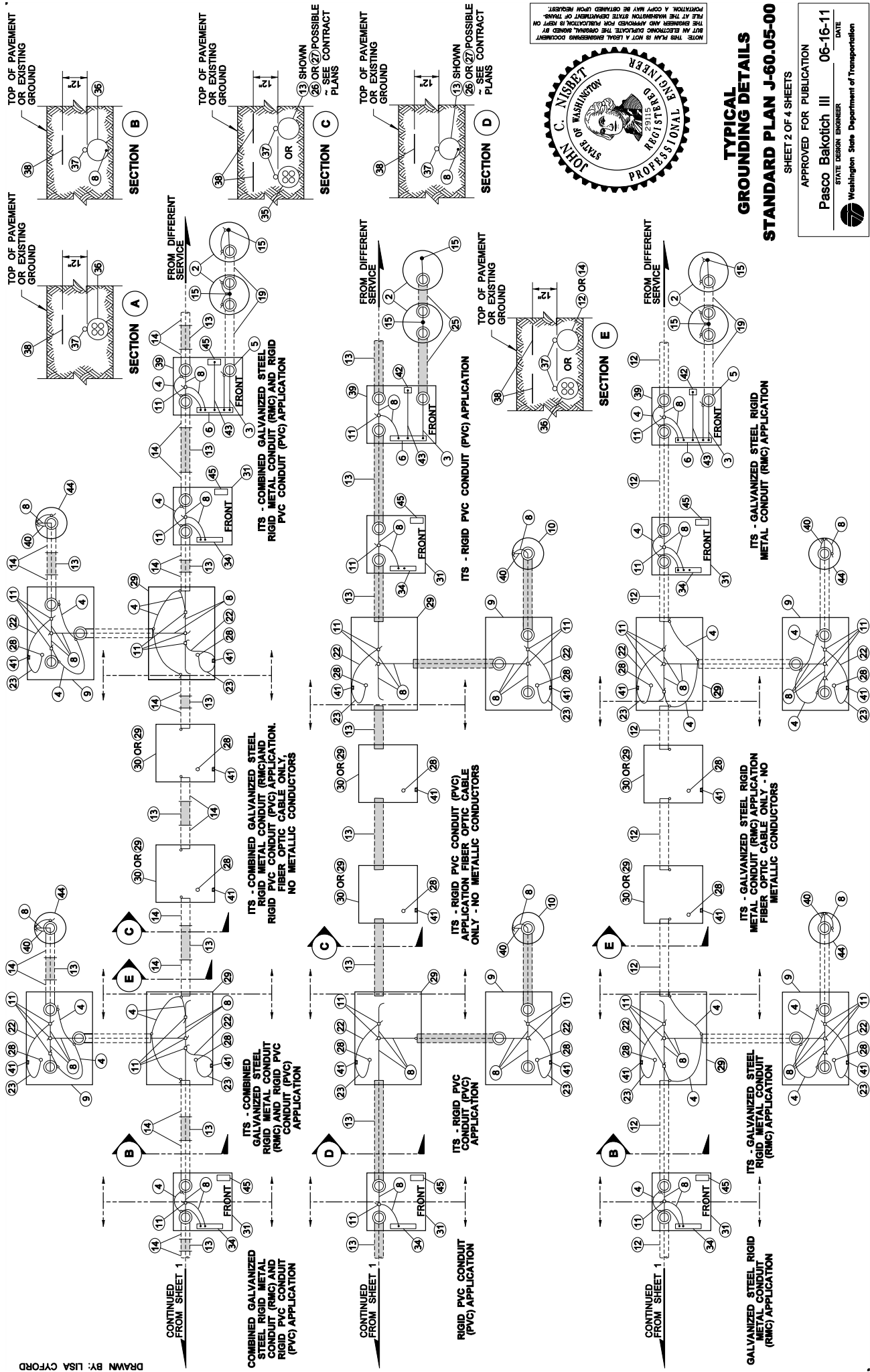
APPROVED FOR PUBLICATION

**Pasco Bakofich III** 5/20/13  
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation







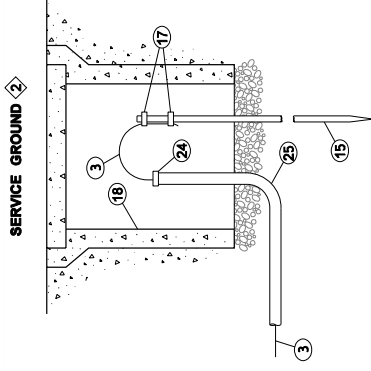
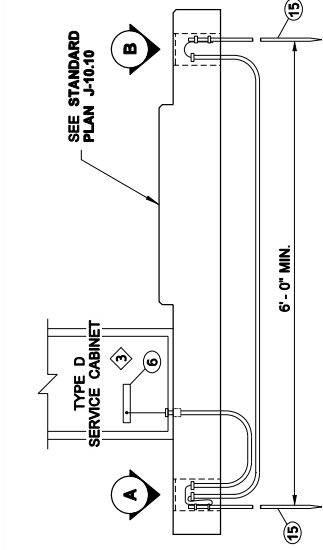
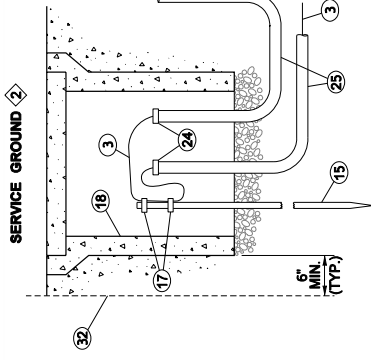
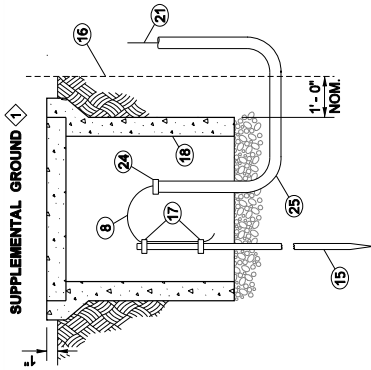
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. THE ENGINEER HAS ASSIGNED THE GROUNDING AND BONDING OF THE SYSTEM TO THE CONTRACTOR. A COPY MAY BE OBTAINED UPON REQUEST.

JOHN C. NISBET  
REGISTERED PROFESSIONAL ENGINEER  
2015  
STATE OF WASHINGTON

# TYPICAL GROUNDING DETAILS STANDARD PLAN J-60.05-00

SHEET 2 OF 4 SHEETS

APPROVED FOR PUBLICATION  
Pasco Bakotich III  
STATE DESIGN ENGINEER  
DATE 06-16-11  
Washington State Department of Transportation

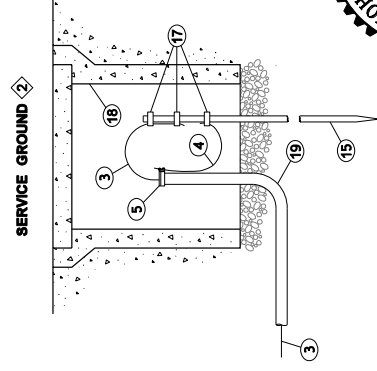
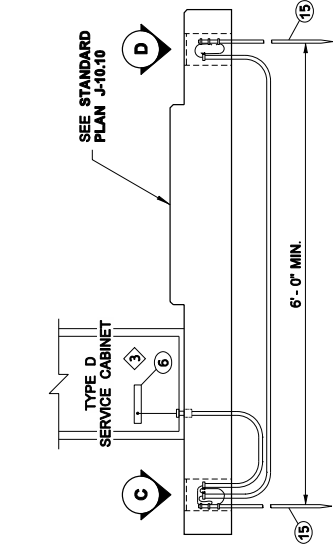
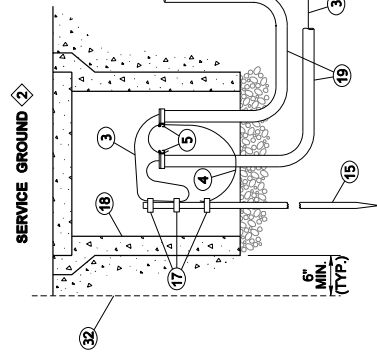
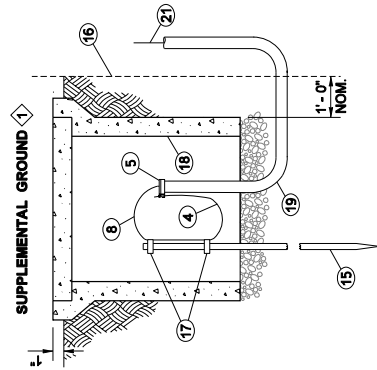


SEE KEY ON SHEET 1  
FOR PARTS

DETAIL A

RIGID PVC CONDUIT (PVC) APPLICATION

DETAIL B

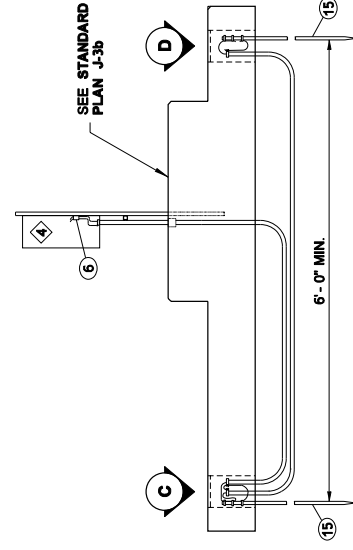
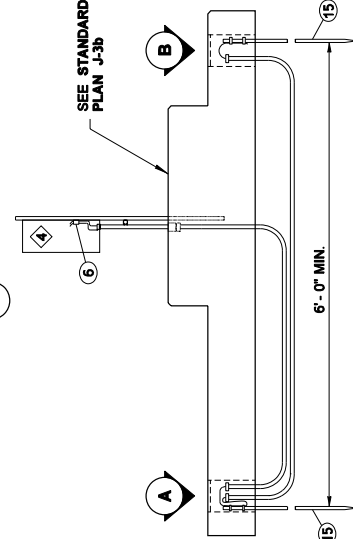


GALVANIZED STEEL RIGID METAL CONDUIT (RMC) APPLICATION

DETAIL C

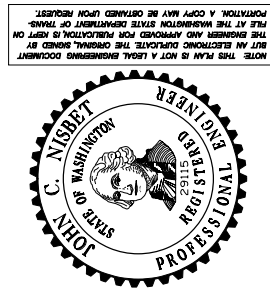
DETAIL D

- 1 Required to supplement equipment grounding for luminaires standards with direct burial aerial feeds, or where required in the plans
- 2 Required at all service and separately derived systems
- 3 Type D service cabinet shown. Use this concept for Type E cabinet or transformer. Type D service cabinet shall be installed on lower surfaces of foundation only. Type B service cabinet and transformer cabinet shall be installed on raised surface of foundation only.
- 4 Type B modified service cabinet
- 5 Grounding electrode conductor and equipment grounding conductor shall not be routed through lug on grounding bushing.



RIGID PVC CONDUIT (PVC) APPLICATION

GALVANIZED STEEL RIGID METAL CONDUIT (RMC) APPLICATION



# **TYPICAL GROUNDING DETAILS** **STANDARD PLAN J-60.05-00**

SHEET 3 OF 4 SHEETS

APPROVED FOR PUBLICATION	DATE
Pasco Bakotich III	06-16-11
STATE DESIGN ENGINEER	
Washington State Department of Transportation	



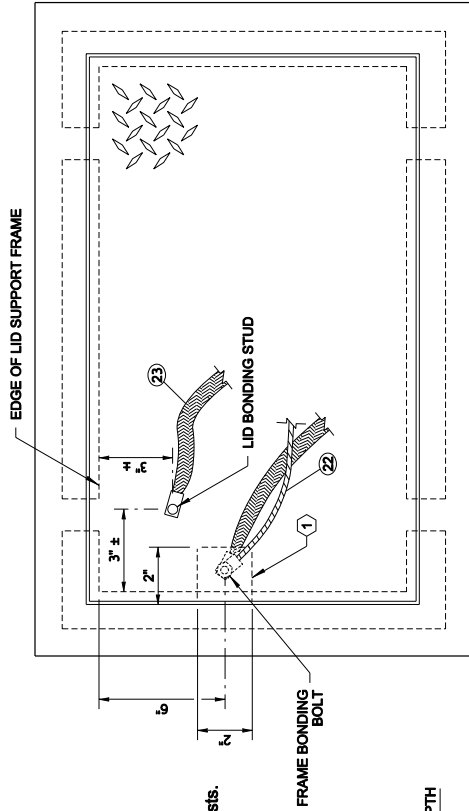
# 1 3/8" x 2" x 2" Frame Bonding Stud Plate with 1/4NC x 1"

Stainless Steel Bonding Stud.

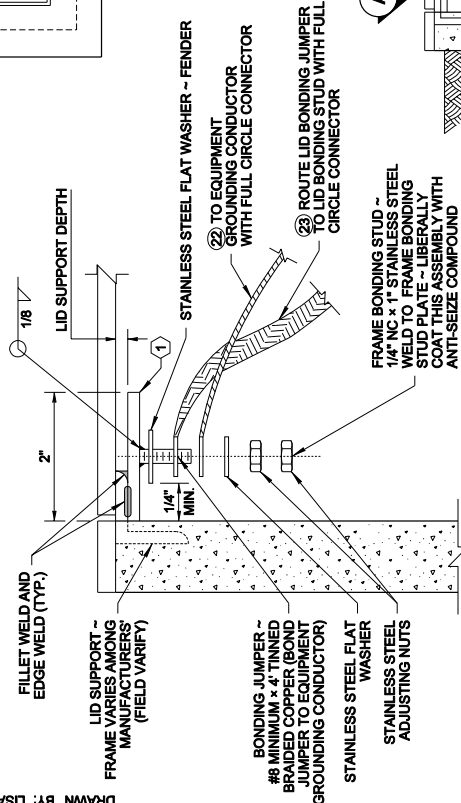
- Weld Bonding Stud to Frame Bonding Plate.
- Weld to lid support frame.
- 1/4" weld ~ 3 sides.
- Grind lid bearing surface flat after welding.
- All corners rounded. Corners along exposed sheared or cut edges shall be broken by light grinding to achieve an approximate 1/16" (inch) chamfer or rounding.
- Protect conductors with fireproof cloth prior to welding.
- Omit Frame Bonding Stud Plate if the Frame Bonding point already exists.

- Weld all around lid bonding stud ~ 1/4 NC x 1" stainless steel ~ liberally coat entire assembly w/ anti-seize compound.

DRAWN BY: LISA CYFORD

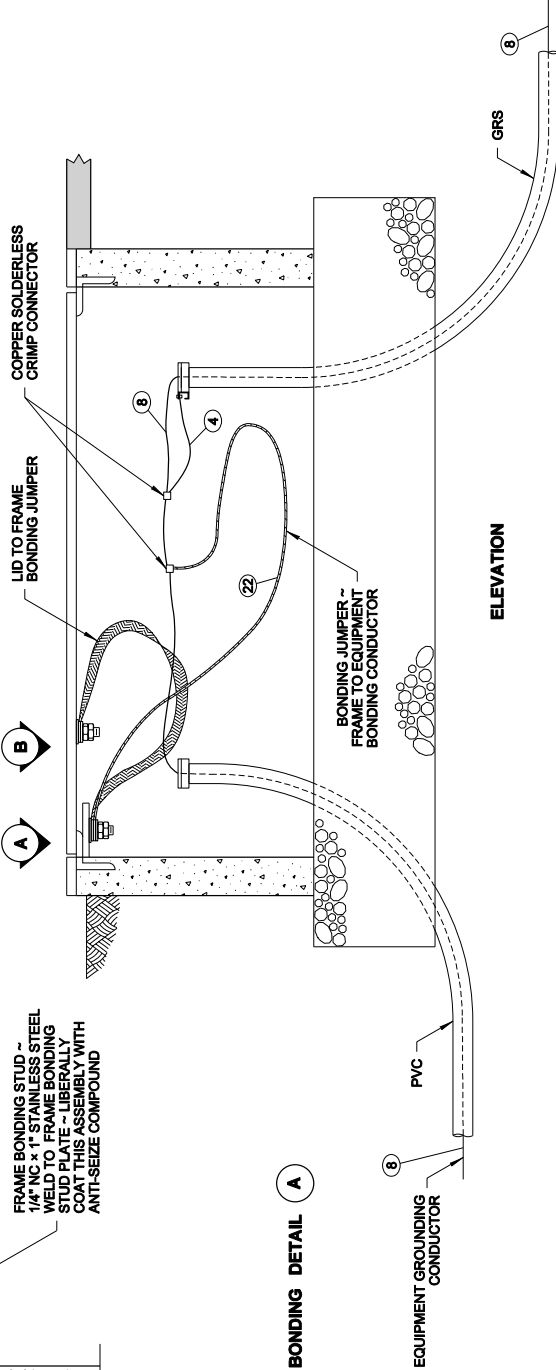


PLAN

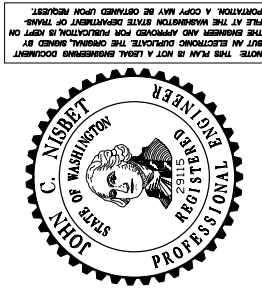


FRAME BONDING DETAIL A

LID BONDING DETAIL B



ELEVATION

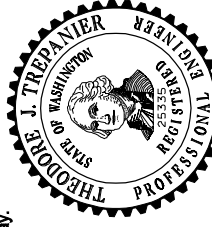


## TYPICAL GROUNDING DETAILS STANDARD PLAN J-60.05-00 SHEET 4 OF 4 SHEETS

APPROVED FOR PUBLICATION	DATE
Pasco Bakotich III	06-16-11
STATE DESIGN ENGINEER	
Washington State Department of Transportation	



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.



EXPIRES AUGUST 9, 2007

**STANDARD PLAN M-15.10-01**

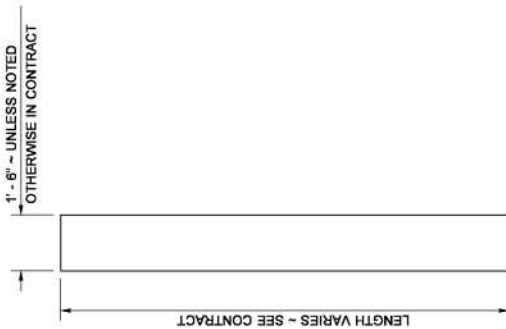
**SHEET 1 OF 1 SHEET**

**APPROVED FOR PUBLICATION**

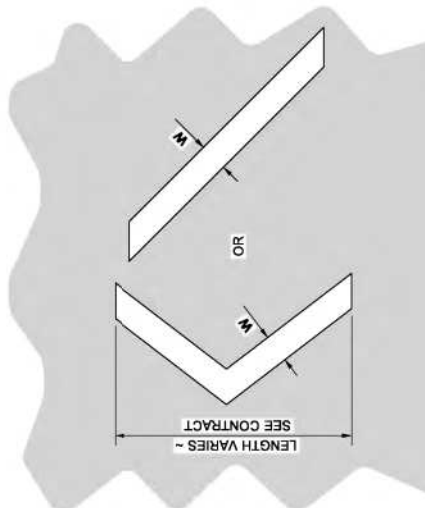
**Ken L. Smith**  
STATE DESIGN ENGINEER



## TYPICAL APPLICATIONS



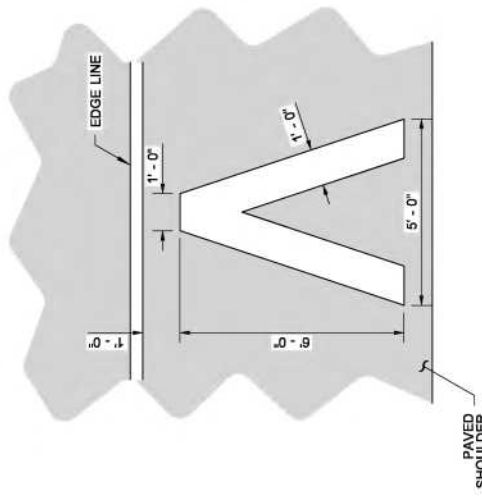
STOP LINE



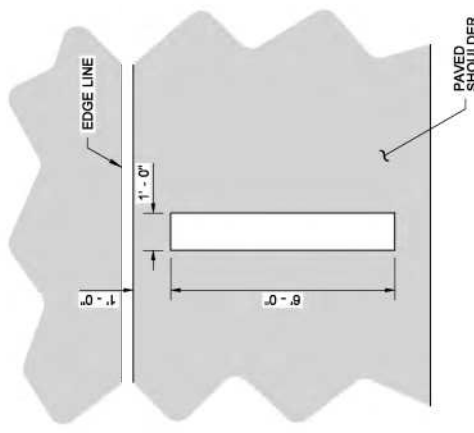
WHITE OR YELLOW - SEE CONTRACT  
CHEVRON OR DIAGONAL

CROSSHATCH MARKING

W = 8" (IN) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER  
W = 12" (IN) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER

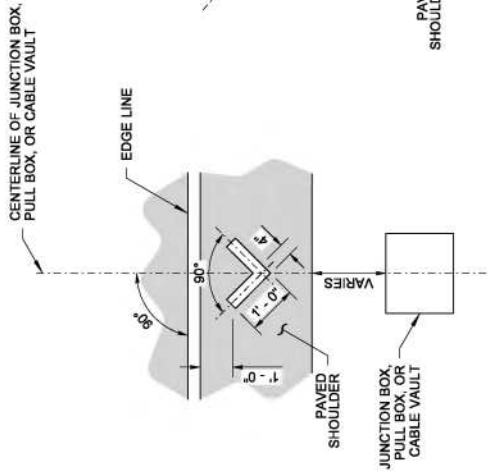


MARKING AREA = 11.73 SQ. FT.  
HALF-MILE MARKER

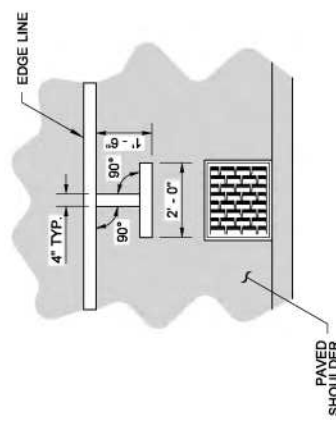


MARKING AREA = 6.00 SQ. FT.  
FULL MILE MARKER

AERIAL SURVEILLANCE MARKERS



MARKING AREA = 0.56 SQ. FT.  
JUNCTION BOX, PULL BOX,  
OR CABLE VAULT MARKINGS

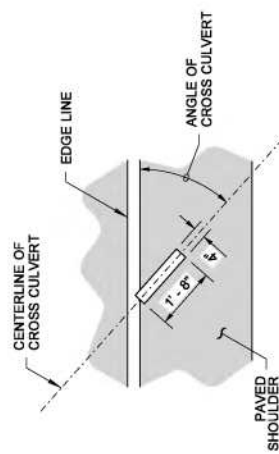


MARKING AREA = 1.08 SQ. FT.  
DRAINAGE STRUCTURE INLET

DRAINAGE MARKING

NOTE

- 1. If Rumble Strips are present, install marking outside of the Rumble Strip.



MARKING AREA = 0.56 SQ. FT.  
CROSS CULVERT

DRAINAGE MARKING



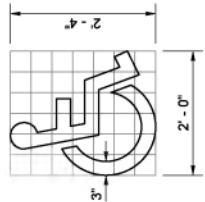
Walsh, Brian  
Jun 24 2014 2:35 PM  
Udacity

SYMBOL MARKINGS  
MISCELLANEOUS

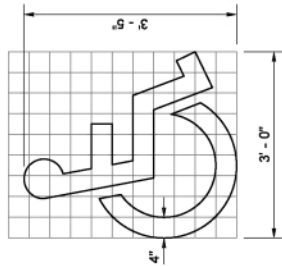
STANDARD PLAN M-24.60-04

SHEET 1 OF 2 SHEETS

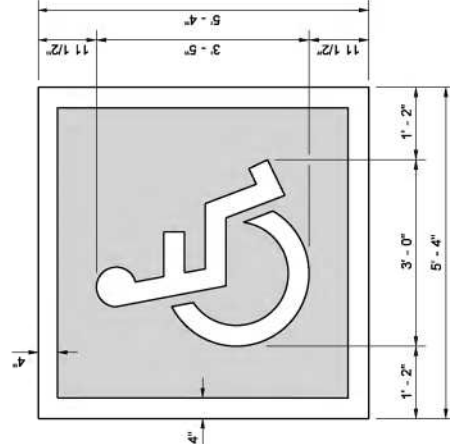
APPROVED FOR PUBLICATION  
Bakotich, Pisco  
Jun 24 2014 4:43 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation



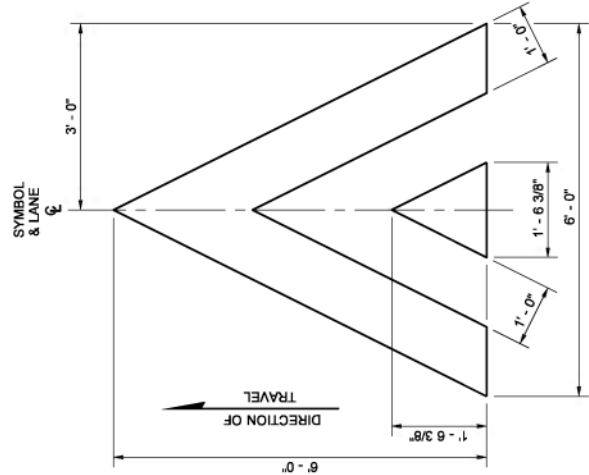
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (MINIMUM)**



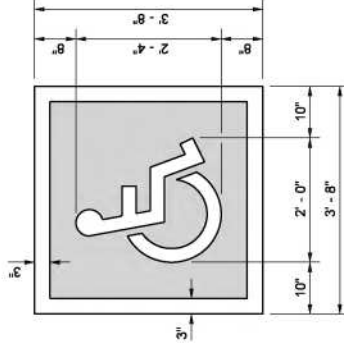
GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (STANDARD)**



TOTAL MARKING AREA = 28.44 SQ.FT.  
WHITE = 9.76 SQ.FT. BLUE = 18.68 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (STANDARD)**  
WITH BLUE BACKGROUND AND WHITE BORDER  
(REQUIRED FOR CEMENT CONCRETE SURFACES)



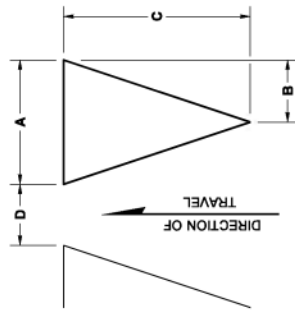
MARKING AREA = 12.08 SQ.FT.  
**SPEED BUMP SYMBOL**



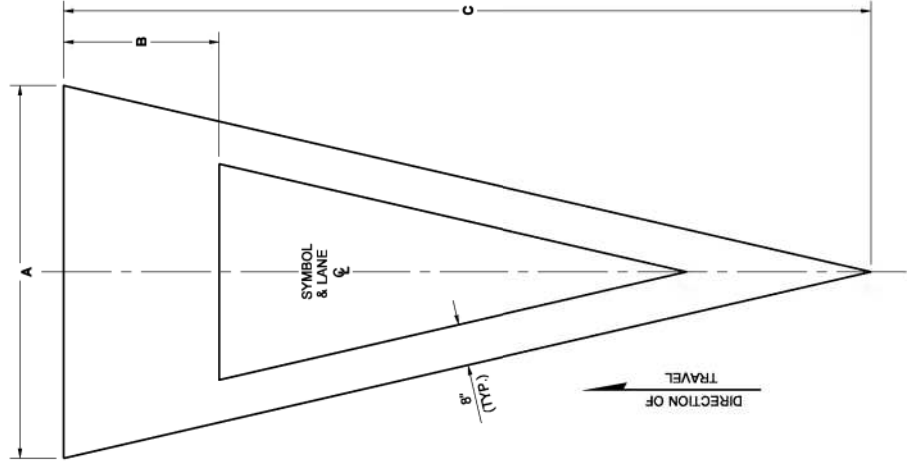
TOTAL MARKING AREA = 13.44 SQ.FT.  
WHITE = 4.82 SQ.FT. BLUE = 8.62 SQ.FT.  
**ACCESS PARKING SPACE SYMBOL (MINIMUM)**  
WITH BLUE BACKGROUND AND WHITE BORDER  
(REQUIRED FOR CEMENT CONCRETE SURFACES)

SYMBOL MARKING		A	B	C	D	USE	MARKING AREA
YIELD AHEAD SYMBOL	TYPE 1	6'-0"	2'-6"	13'-0"	N/A	LESS THAN 45 MPH	25.80 SQ.FT.
	TYPE 2	6'-0"	3'-0"	20'-0"	N/A	45 MPH OR GREATER	36.54 SQ.FT.
YIELD LINE SYMBOL	TYPE 1	1'-0"	6"	1'-6"	6"	LESS THAN 45 MPH	0.75 SQ.FT.
	TYPE 2	2'-0"	1'-0"	3'-0"	1'-0"	45 MPH OR GREATER	3.00 SQ.FT.
		2'-0"	1'-0"	3'-0"	1'-0"	ROUNDABOUT ENTRY *	3.00 SQ.FT.

\* MINIMUM OF 4 IN LANE



**YIELD LINE SYMBOL**  
(MULTIPLE SYMBOLS REQUIRED  
FOR TRANSVERSE YIELD LINE --  
SEE CONTRACT)



**YIELD AHEAD SYMBOL**



Walsh, Brian  
Jun 24 2014 2:37 PM

**SYMBOL MARKINGS  
MISCELLANEOUS**

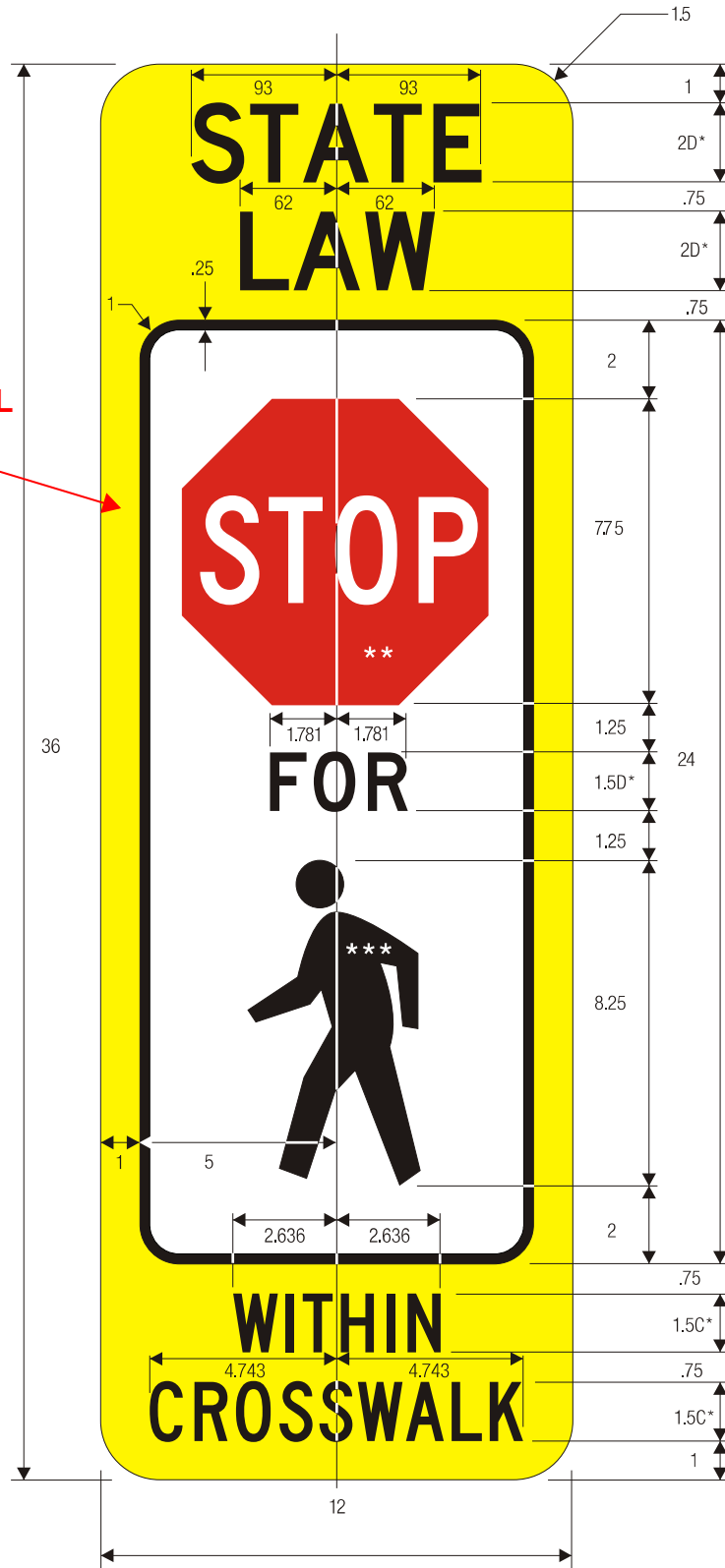
**STANDARD PLAN M-24.60-04**

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION  
Bakotch, Pisco  
Jun 24 2014 4:43 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

**APPENDIX D**  
**SIGN STANDARD PLANS**  
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**NOTE:**  
BACKGROUND SHALL  
BE FLUORESCENT  
YELLOW GREEN



**R1-6a**

IN-STREET PEDESTRIAN CROSSING

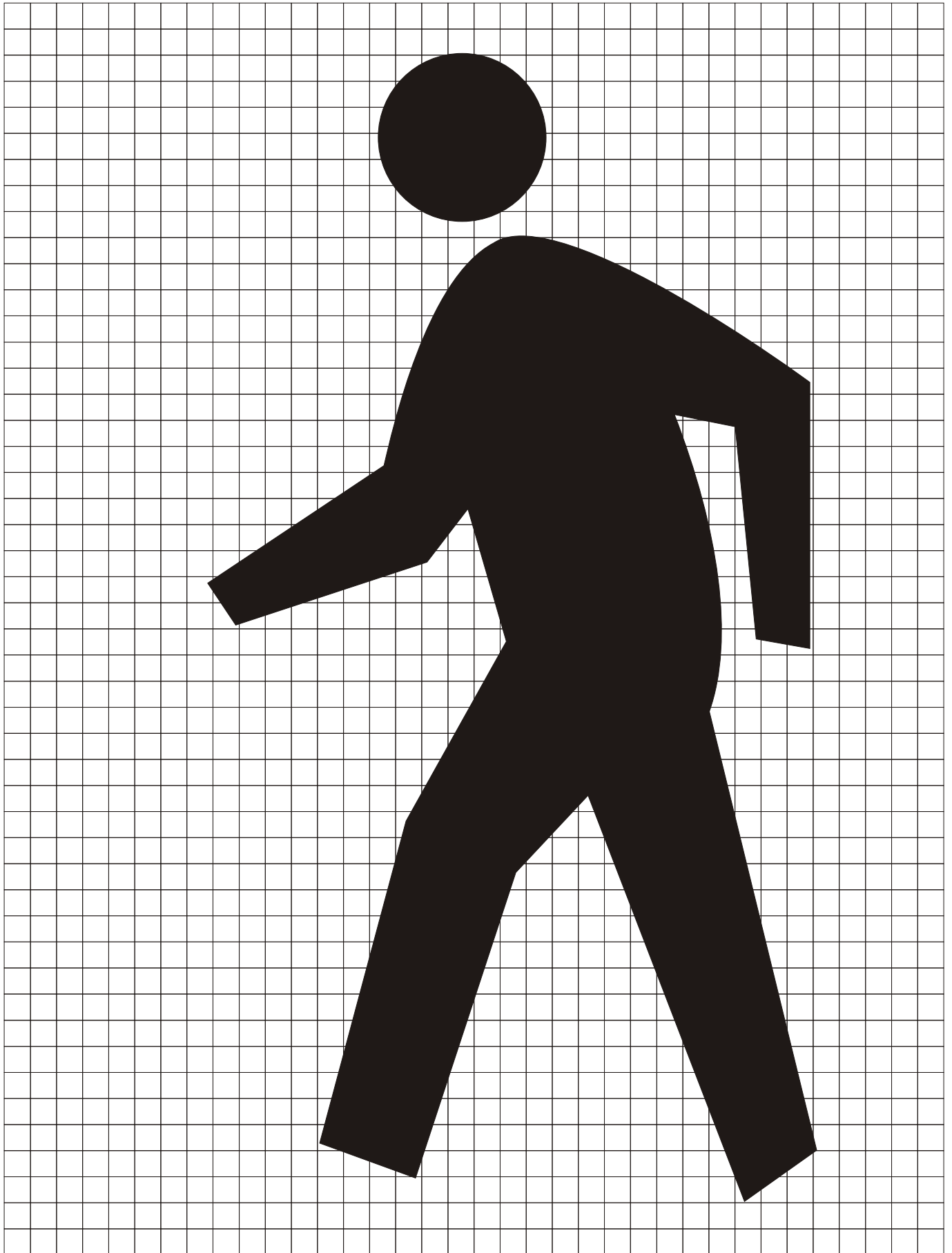
\*Series 2000 Standard Alphabets.

\*\*Insert R1-1 and size to fit.

\*\*\*See 6-10 for design detail.

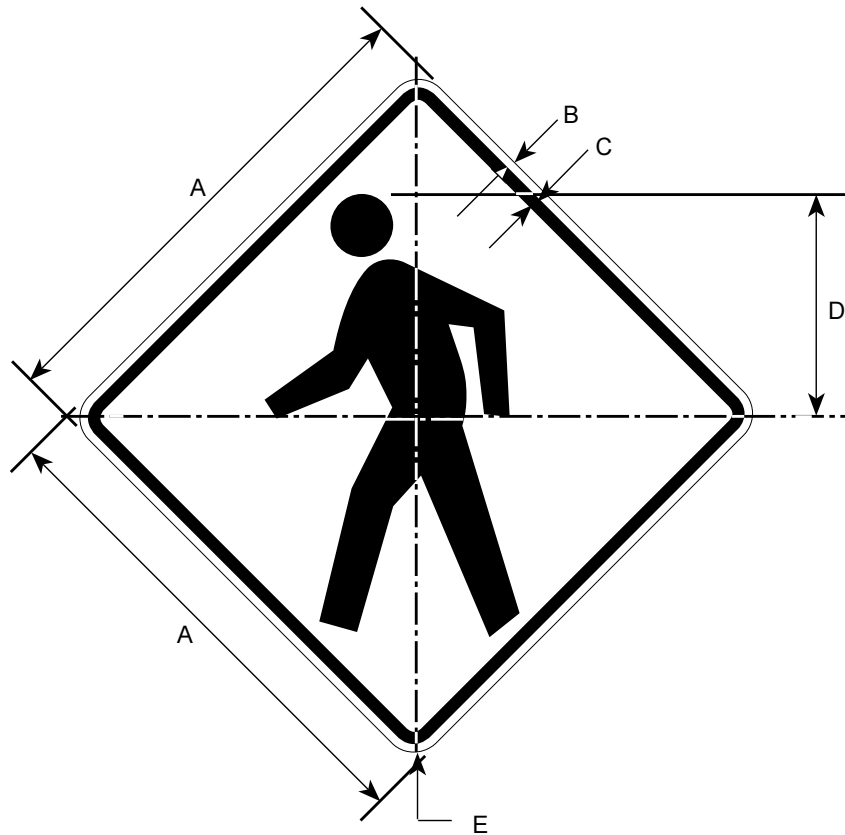
COLORS: LEGEND — BLACK  
BACKGROUND — ~~YELLOW~~ (RETROREFLECTIVE)  
YIELD SYMBOL — RED (RETROREFLECTIVE) ON WHITE (RETROREFLECTIVE)  
PED SYMBOL — BLACK ON WHITE (RETROREFLECTIVE)

**FLUORESCENT YELLOW GREEN**



# W11-2

11/97



\* SEE APPENDIX FOR SYMBOL DESIGN

DIMENSIONS (MILLIMETERS)				
A	B	C	D	E
600	9	16	275	38
750	13	19	338	47
900	16	22	400	56
1200	19	31	550	75

DIMENSIONS (INCHES)				
A	B	C	D	E
24	3/8	5/8	1	1 1/2
30	1/2	3/4	13 1/2	1 7/8
36	5/8	7/8	16	2 1/4
48	3/4	1 1/4	22	3

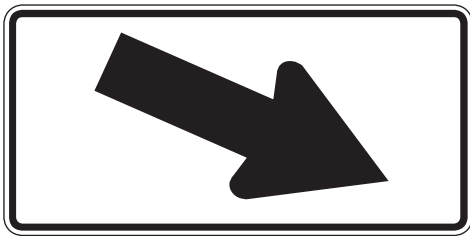
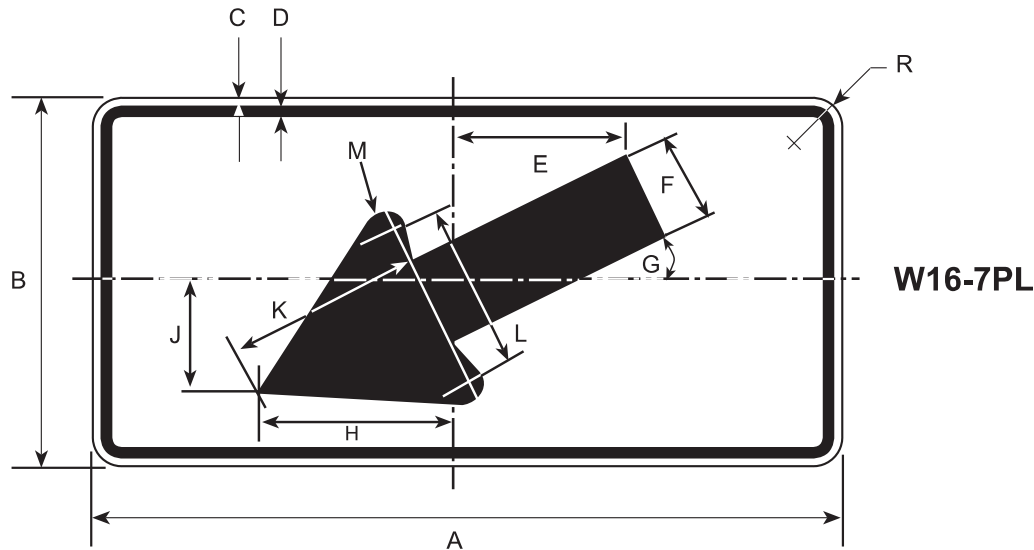
## COLORS

LEGEND - BLACK (NON-REFL.)  
BACKGROUND - YELLOW (REFL.)



# W16-7PL & R

8/02



**W16-7PR**

**NOTE: SIGN DESIGNERS SPECIFY SIGN COLOR**

DIMENSIONS (MILLIMETERS)												
A	B	C	D	E	F	G	H	J	K	L	M	R
600	300	9	16	105	75	30°	147	81	147	173	14	38
750	450	13	19	163	113	30°	219	123	219	259	23	38

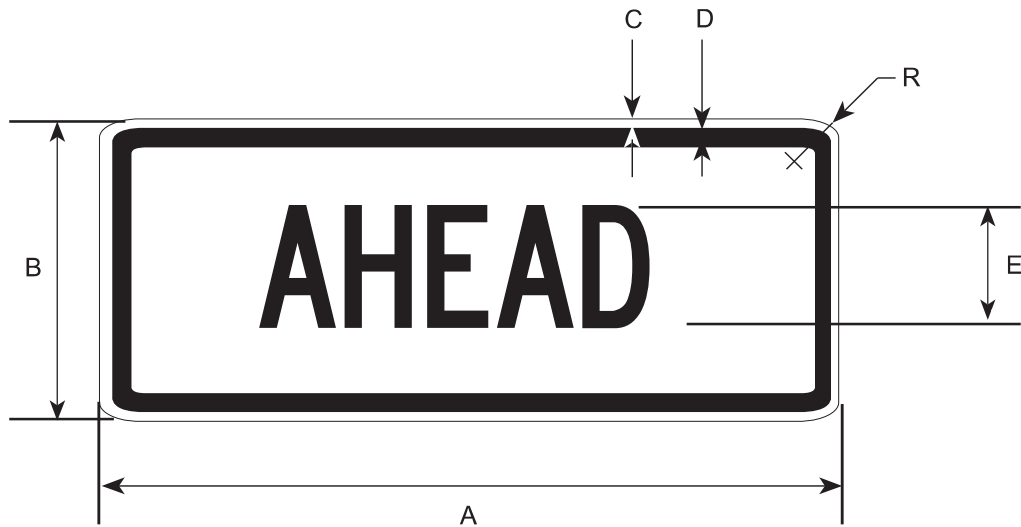
DIMENSIONS (INCHES)												
A	B	C	D	E	F	G	H	J	K	L	M	R
24	12	3/8	5/8	4 3/16	3	30°	5 7/8	3 1/4	5 7/8	6 15/16	9/16	1 1/2
30	18	1/2	3/4	6 1/2	4 1/2	30°	8 3/4	4 15/16	8 3/4	10 3/8	15/16	1 1/2

## COLORS

LEGEND — BLACK (NON-REFL)  
 BACKGROUND — YELLOW (REFL)  
 OR FLUORESCENT  
 YELLOW GREEN (REFL)

# W16-9P

4/03



DIMENSIONS (MILLIMETERS)					
A	B	C	D	E	R
600	250	9	16	100-C	38
900	375	16	22	200-C	57
1200	500	19	31	300-C	75

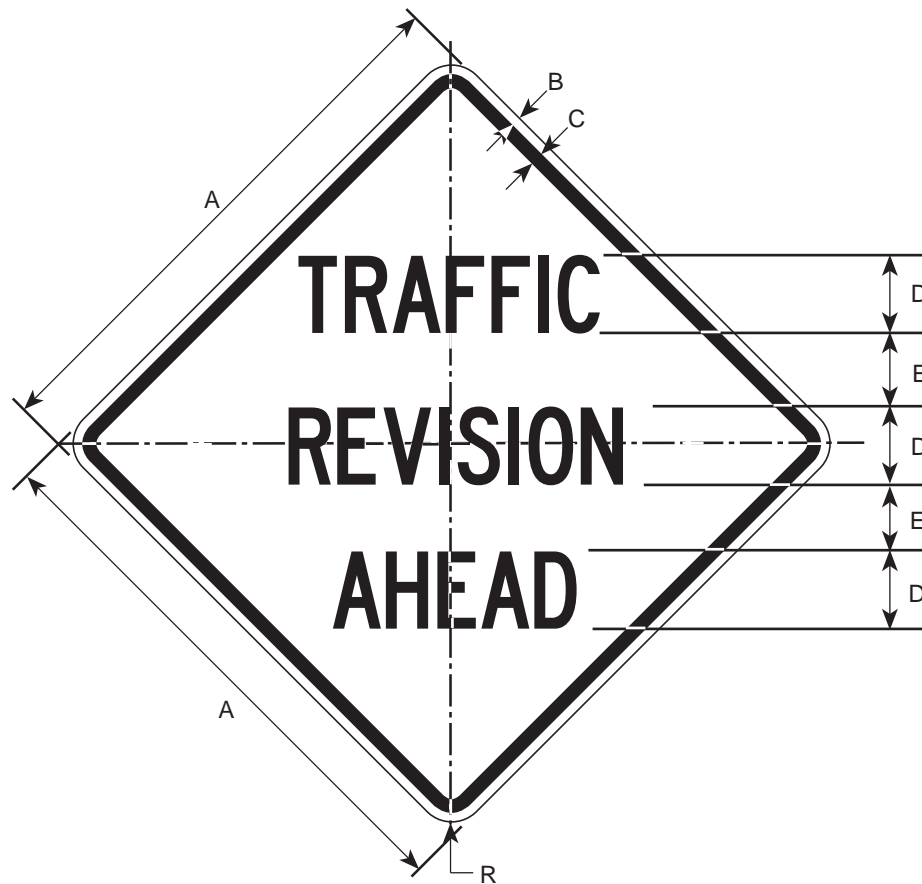
DIMENSIONS (INCHES)					
A	B	C	D	E	R
24	10	3/8	5/8	4-C	1 1/2
36	15	5/8	7/8	8-C	2 1/4
48	20	3/4	1 1/4	10-C	3

## COLORS

LEGEND — BLACK (NON-REFL)  
BACKGROUND — YELLOW (REFL)  
OR  
FLUORESCENT YELLOW GREEN (REFL)

# W20-901

11/97



DIMENSIONS (MILLIMETERS)					
A	B	C	D	E	R
750	13	19	100C	63	47
900	16	22	125C	81	56
1200	19	31	175C	11	75

DIMENSIONS (INCHES)					
A	B	C	D	E	R
30	1/2	3/4	4-C	2 1/2	1 7/8
36	5/8	7/8	5-C	3 1/4	2 1/4
48	3/4	1 1/4	7-C	4 1/2	3

## COLORS

LEGEND - BLACK (NON-REFL.)  
BACKGROUND - ORANGE (REFL.)

**APPENDIX E**  
**AGC AGREEMENT**  
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**AGC – WSDOT  
EQUIPMENT RENTAL AGREEMENT**

Effective Date: May 1, 2007 Until Further Notice

It is mutually agreed by the parties to this agreement that rental rates to be paid Contractors for equipment used on force account will be established in accordance with Section 1-09.6 of the Standard Specifications and this agreement. The following rules have been agreed to:

1. **General**

The Rental Rate Blue Book published by Primedia Information, Inc., as clarified or modified by this agreement, will be used to establish rental rates for equipment approved for use on force account work. Rate modifications, indicated on Regional Adjustment Maps in the Blue Book and as applied automatically by the Blue Book CD (Washington State Version), shall be used for all equipment covered under this agreement. Updates to the Rental Rate Book, in compact disk format, are published on a schedule determined by Primedia Information, Inc. Each update will become applicable to force accounts fourteen days after the date on which Primedia Information, Inc. declares the update to be effective. Equipment used under the terms of this agreement will be at the rates in effect for each section of the Blue Book at the time of use except that calculations made prior to the applicable date, using the previous rates, will not be changed.

2. **Rental Rate**

The hourly rental rate for equipment utilized on force account shall be a combination of the following items:

- a. The Blue Book monthly rate multiplied by the Rate Adjustment factors for age and geographic location divided by 176.
- b. Attachments will be included in the rental rate when the Engineer deems them necessary to accomplish the force account work. An approved attachment that is continuously attached and used intermittently during the work will be paid for the same duration as the host equipment. When multiple attachments are approved for use, and the attachments are being used interchangeably on the force account operation, only the one attachment having the higher rate will be paid.
- c. The hourly operating cost for each hour that the equipment is in use. "In use" shall mean that the presence of the equipment is necessary for the operation and that the equipment is present and is not being used for other activities while the force account work is underway. Under the circumstances, the equipment shall be paid at its hourly rate plus the hourly operating cost.

3. **Standby Time**

Standby time shall be defined as the time during which equipment is idled and cannot be assigned to other work on the project. Only that equipment which has been utilized for work on the force account and is expected to be utilized again on the same force account will be eligible for standby compensation. The Contractor is expected to utilize idled equipment on other work if reasonably possible. Standby time will only be paid if the Engineer has had an opportunity to evaluate the cost of standby versus the cost of mobilizing and demobilizing and has ordered standby.

When ordered by the Engineer, standby time shall be paid at one-half of the rate established in accordance with this agreement. The operating cost shall not be included in the calculation for establishing the standby rate. Standby time will not be compensated beyond that amount which will bring the resulting total of operated time and standby time to 8 hours in any one day or 40 hours in any one week.

4. **Rental Equipment**

If Contactor-owned equipment is not reasonably available, the Engineer may approve the use of operated or non-operated rental equipment. Operated equipment shall be considered a "service" and shall be compensated according to section 4 of the force account specification. Non-operated equipment shall be compensated according to the provisions for rented equipment in section 3 of the force account specifications. If the invoice costs of non-operated equipment do not specifically say the fuel is included, the Rental Rate Blue Book Hourly Operating Cost shall be added for each hour the equipment operates.

When invoiced equipment is used on both force account and non-force account work, payment for the equipment will be a prorated share of the invoice cost. The time period covered by the invoice shall reflect the normal practice of the renting agency, except that the time period shall not exceed one month. When calculating the prorated share, the amounts of standby time for both types of work will be considered according to the formula:

$$\text{Share of Invoice to be charged to Force Account} = \frac{\text{FC}}{\text{FC} + \text{NFC}}$$

Where:

FC = \$ Force account including standby time.

NFC = \$ Non-force account including standby time.

5. **Mobilization**

Force account mobilization of equipment is defined as the preparatory work performed by the Contractor including procurement, loading and transportation of equipment that is intended for use in a force account. A pro-rata adjustment will be made when the equipment is eventually used for regular contract work in addition to the force account work. Mobilization also included the costs incurred during demobilization. The costs will be included in the appropriate sections (Labor, Equipment, Services, etc) depending on the nature of the cost. If the equipment being mobilized is hauled, payment will cover the hauling vehicle (operated cost). In the event that equipment is transferred under its own power, the payment will cover the operated cost of the equipment plus operator costs. Move-out, or demobilization costs will provide for the return of the equipment to the location from which it was obtained. In the event that the move-out is to a different location, payment will not exceed the amount of the move-in.

If approved by the Engineer, payment will be allowed for moving equipment from work site to work site within the project after the equipment is on the job.

Charges for mechanic's time utilized in servicing equipment to ready it for use prior to moving to the project and similar charges will not be allowed.

6. **Blue Book Omissions**

In the event a rate has not been established for a particular piece of equipment in the Rental Rate Blue Book, a rate will be established, utilizing one or more of the following methods:

- a. Use a rate for the most similar model found in the applicable Blue Book. Such characteristics as manufacturer, capacity, horsepower, and fuel type will be used as the basis for selecting a similar model.
- b. Contact Primedia Information, Inc, (through the WSDOT OSC Construction Office) for the rate not included in the Book.
- c. Utilize a rate agreed upon by the parties.
- d. For equipment that is older than 20 years the oldest adjustment rate available in the book shall be used.

7. **Breakdown**

The Contractor shall provide reasonable maintenance efforts for equipment utilized in force account. When a breakdown occurs for any piece of equipment being used on force account work, the Contractor shall divert idled equipment. Payment shall cease for the equipment that is broken down. Payment shall also cease for any other equipment that is idled as a result of the breakdown (there will be no standby payment.) Payment for any labor that is idled as a result of the breakdown will be made in accordance with provisions of section 1 of the force account specifications, particularly as related to contractual obligations and normal practices of the Contractor.

8. **Shutdown**

If the Engineer orders a shutdown of any or all of the force account, the equipment idled as a result of the shutdown shall be diverted to other work. When diversion of equipment is not practical, standby time may be paid during non-operating hours as provided in Item 3 of this agreement.

The Engineer reserves the right to cease standby payment for equipment that is idled as a result of a shutdown when the shutdown is anticipated to be for an extended period of time. No further payment shall be allowed after the date the Engineer makes this determination except as provided in Item 5 of this agreement, "Mobilization."

Standby time shall not be paid when shutdown is the result of the fault or negligence of the Contractor.

9. **Small Tools**

Any contractor-owned equipment listed in the Blue Book with a monthly rate of less than \$100 and any other equipment with a purchase price of less than \$500 shall be considered Small Tools and shall be paid by negotiation rather than using an hourly rate (except for rentals.) Any such small tool that is rented shall be paid according to the rental provisions in the Equipment section of this agreement. All other Small Tools shall be paid by agreement of the parties. After the force account work has been completed, (or more often, by agreement of the parties,) the Contractor shall promptly supply a list of small tools and equipment that have been utilized in the work. The list shall be supported by invoices or, in the event the item came from stock, by a Contractor affidavit of purchase cost. The negotiation of the Small Tools payment may include discussions of shared use with other work and of residual value, if appropriate. Once agreed upon, the small tools amount will be added to the payment amount in the Equipment section (Section 3 of the force account specification.)

10. **Aeration Equipment**

The rental rate for plows and discs shall be as listed below:

Plows and discs meeting the requirements of Section 2-03.3(15) of the Standard Specifications shall be paid at the rate of \$9.60 per hour.

Add \$0.70 per hour per foot of width for additional width of disc more than 10 ft.

Motive power for discs and plows shall be capable of pulling discs and plows at the speeds specified in Section 2-03.3(15) of the Standard Specifications. Payment for motive power shall be 100 percent of the rates in this agreement except that equipment having motive power in excess of 340 horsepower shall be paid at 100 percent of the highest equipment rate for a comparable unit of the same manufacturer having less than 340 horsepower.



Payment for all other equipment approved for Aeration shall be at the rates established in accordance with this agreement when used for aeration work.

10. **Concurrence, Review Time**

This agreement is issued after conference among representatives of the Associated General Contractors of Washington and the Washington State Department of Transportation and has the approval of both. Either party may request a review after a one-year period.

**Associated General Contractors of Washington**

**Washington State Department of  
Transportation**



Van Collins  
Southern District Manager



Linea Laird  
State Construction Engineer

**APPENDIX F**  
**TRAFFIC SIGNAL TURN-ON CHECKLIST**  
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# Traffic Signal Turn-on Checklist (Revised 08/17/10)

Contract # \_\_\_\_\_ Location \_\_\_\_\_  
 Project Engineer \_\_\_\_\_ Date \_\_\_\_\_  
 Proposed\*Pre-Turn-on Date \_\_\_\_\_ Proposed\* Turn-on Date \_\_\_\_\_  
 Point of contact \_\_\_\_\_ Phone # \_\_\_\_\_

**This checklist highlights the critical items of work that are to be complete before the signal system can be placed into operation.**

**\*The Project Engineer has the authority to reschedule the test date or signal turn-on at their discretion.**

	<b>SIGNING:</b>	Applicable to project	To be Completed before Pre-Turn On	To Be Completed before Turn On	Process Owner & Pone Number	Complete
1	Advance Warning "Signal Ahead/W3-3" signs (permanent)					
2	"New Signal" or "Signal Revision" signs (temporary)					
3	"Left Turn Must Yield on Green Ball" sign					
4	"Right Turn on Red Must Yield to U-Turn" sign					
5	Lane Control signs					
6	Street Name signs					
	<b>STRIPING (Installed or scheduled):</b>	Applicable to project			Process Owner & Pone Number	Complete
6	Stop Bar(s)					
7	Crosswalk(s)					
8	Channelization					
9	Channelization aligns with signal heads					
	<b>SIGNAL DISPLAY SYSTEM:</b>	Applicable to project			Process Owner & Pone Number	Complete
10	All vehicle displays are connected and tested					
11	All pedestrian displays are connected and tested					
12	Restrictive left turn display is over left turn lane					
13	Combination of restrictive/permissive left turn display is over the gore stripe.					
14	Optically programmed displays are properly programmed for the intended movement.					
15	Vertical clearances are met.					
	<b>SIGNAL DETECTION SYSTEM:</b>	Applicable to project			Process Owner & Pone Number	Complete
16	All vehicle detection (temporary and permanent) is tested.					
17	If staging is required, all side street stop bar detection is tested as a minimum for semi actuated operation.					
18	All pedestrian detection (push buttons) are tested.					
19	All emergency vehicle preemption detection are tested.					
20	Railroad preemption is tested.					
	<b>SIGNAL CONTROL SYSTEM:</b>	Applicable to project			Process Owner & Pone Number	Complete
21	Controller is tested and available					
22	Cabinet is installed, wired and ready for controller hookup.					
23	Interconnect is tested.					
24	Permanent power source is supplied to the system.					
	<b>CONTRACTOR CONTACT RESPONSIBILITIES:</b>	Applicable to project			Process Owner & Pone Number	Complete
25	Controller Manufacturer Representative (not required if State supplied controller)					
26	Approved WSDOT Traffic Control Plan for Signal Switch-Over and/or Turn-On.					
27	Uniformed Police/State Patrol for Traffic Control					
28	Safe Path to Push Buttons for Pedestrians/Wheelchairs.					
	<b>ELECTRICAL INSPECTOR and/or LA/DS CONSTRUCTION REPRESENTATIVE CONTACT RESPONSIBILITIES (Five (5) days prior to proposed* signal test date):</b>	Applicable to project			Process Owner & Pone Number	Complete
29	Signal Maintenance (numbers vary)					
30	Signal Operations (numbers vary)					
31	NW Construction/C.T.C.O.					
	<b>PROJECT ENGINEER CONTACT RESPONSIBILITIES (Five (5) days prior to proposed* signal test date):</b>	Applicable to project			Process Owner & Pone Number	Complete
32	Local Agencies (City, County, State Patrol, Fire District, etc.)					

**COMMENTS:**