

CONTRACT DOCUMENTS

**For Construction of:
Sanitary Sewer Project (Cottage Place)**

SMALL PUBLIC WORKS PROJECT # SS2013-03

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

<http://www.cityofferndale.org>



**SANITARY SEWER PROJECT (COTTAGE PLACE)
FERNDALE, WASHINGTON**

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BID PROCEDURES AND CONDITIONS
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**INVITATION TO BID
FOR SANITARY SEWER PROJECT
(COTTAGE PLACE)**

**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 **December 10, 2013, at 4:00 p.m.**, and will then and there be opened and publicly read for the following construction work:

PROJECT DESCRIPTION: This contract provides for the installation of approximately 325 lineal feet of 8 inch sanitary sewer main located along Cottage Place west of Golden Eagle Drive, 135 lineal feet of 6 inch side sewer and installation of a fire hydrant. The new sewer main will begin from an existing sewer main located in the intersection of Golden Eagle Drive and Cottage Place. A new structure will be installed in the existing sewer main and the new sewer will then extend westerly approximately 325 feet to an existing cleanout to be replaced. Work will include trench excavation; sanitary sewer installation; removing existing structures; HMA overlay; 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 with the subject line reading, Sanitary Sewer Project (Cottage Place).

All bid envelopes must be plainly marked on the outside, "Sanitary Sewer Project (Cottage Place)". Sealed bids shall be received by one of the following delivery methods before **December 10, 2013, at 4:00 p.m.** 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: Janice Marlega, P.O. Box 936, Ferndale, WA 98248.

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. The Ferndale City Council reserves the right to reject any or all bids.

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

BID PROPOSAL INFORMATION

**SANITARY SEWER PROJECT (COTTAGE PLACE)
SMALL PUBLIC WORKS PROJECT**

Whatcom County, Washington

2013

**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, SANITARY SEWER
PROJECT (COTTAGE PLACE) # SS2013-03".

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: Janice Marlega
P.O. Box 936
2095 Main Street
Ferndale, WA 98248

The bid opening date for this project will be **December 10, 2013**. The bids will be
opened and read after **4:00 p.m.** 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
SANITARY SEWER PROJECT (COTTAGE PLACE)
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: "**SANITARY SEWER PROJECT (COTTAGE PLACE)**", 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.

Sanitary Sewer Project (Cottage Place)
CITY OF FERNDALE

() SECTION REFERENCE

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1 LUMP SUM	MOBILIZATION (1-09)	\$	\$
			per LS	
2	1 LUMP SUM	SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN (1-07)	\$	\$
			per LS	
3	1 LUMP SUM	PROJECT TEMPORARY TRAFFIC CONTROL (1-10)	\$	\$
			per LS	
4	1 LUMP SUM	CLEARING AND GRUBBING (2-01)	\$	\$
			per LS	
5	1 LUMP SUM	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2-02)	\$	\$
			per LS	
6	1 EACH	REMOVING SANITARY SEWER STRUCTURES (2-02)		\$
			per EA	
7	1,730 LINEAR FOOT-INCH	SAWCUT ACP (2-02)	\$	\$
			per LF-IN	
8	20 M GAL.	WATER (2-07)	\$	\$
			per M GAL.	
9	340 CUBIC YARD	STRUCTURE EXCAVATION CLASS B INCL. HAUL (2-09)	\$	\$
			per CY	

Sanitary Sewer Project (Cottage Place)
CITY OF FERNDALE

() SECTION REFERENCE

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
10	2,700 SQUARE FOOT	SHORING OR EXTRA EXCAVATION (2-09)		
			\$	\$
			per SF	
11	1,010 TON	GRAVEL BASE (4-02)		
			\$	\$
			per TON	
12	80 TON	CRUSHED SURFACING TOP COURSE (4-04)		
			\$	\$
			per TON	
13	130 TON	COMMERCIAL HMA ** (5-04)		
			\$	\$
			per TON	
14	0 CALC	JOB MIX COMPLIANCE PRICE ADJUSTMENT ** (5-04)		
			\$	\$
			CALC	
15	0 CALC	COMPACTION PRICE ADJUSTMENT ** (5-04)		
				\$
			CALC	
16	1 LUMP SUM	ADJUSTMENTS TO FINISH GRADES ** (7-05)		
				\$
			per LS	
17	1 EACH	MANHOLE 54 IN. DIAM. TYPE 1 (7-05)		
			\$	\$
			per EA	
18	20 CUBIC YARD	REMOVAL OF UNSUITABLE MATERIAL INCL. HAUL (7-08)		
			\$	\$
			per CY	

Sanitary Sewer Project (Cottage Place)
CITY OF FERNDALE

() SECTION REFERENCE

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
19	1 EACH	CONNECT TO EXISTING WATER MAIN 8 IN. DIAM. (7-09)		
			\$	\$
			per EA	
20	17 LINEAR FOOT	D.I. PIPE FOR WATER MAIN 6 IN. DIAM. (7-09)		
			\$	\$
			per LF	
21	1 LUMP SUM	TESTING WATER MAIN (7-09)		
			\$	\$
			per LS	
22	1 EACH	GATE VALVE 6 IN. (7-12)		
			\$	\$
			per EA	
23	1 EACH	HYDRANT ASSEMBLY (7-14)		
			\$	\$
			per EA	
24	135 LINEAR FOOT	PVC SANITARY SEWER PIPE, 6 IN. DIAM. (7-17)		
			\$	\$
			per LF	
25	325 LINEAR FOOT	PVC SANITARY SEWER PIPE, 8 IN. DIAM. (7-17)		
			\$	
			per LF	
26	20 LINEAR FOOT	PVC SANITARY SEWER PIPE, 15 IN. DIAM. (7-17)		
			\$	\$
			per LF	
27	325 LINEAR FOOT	TESTING SEWER PIPE (7-17)		
			\$	\$
			per LF	

Sanitary Sewer Project (Cottage Place)
CITY OF FERNDALE

() SECTION REFERENCE

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
28	1 EACH	SEWER CLEANOUT (7-19)		
			\$	\$
			per EA	
29	1 FORCE ACCOUNT	EROSION/WATER POLLUTION CONTROL (8-01)		
			\$	\$
			FA	1,000.00
30	1 LUMP SUM	ESC LEAD (8-01)		
			\$	\$
			per LS	
31	9 EACH	INLET PROTECTION (8-01)		
			\$	\$
			per EA	
32	60 SQUARE YARD	SEEDED LAWN INSTALLATION (8-02)		
			per SY	
33	1 FORCE ACCOUNT	LANDSCAPE RESTORATION (8-02)		
			\$	\$
			FA	2,000.00
34	40 TON	QUARRY SPALLS (8-15)		
			\$	\$
			per TON	
35	9 LINEAR FOOT	PLASTIC STOP LINE (8-22)		
			\$	\$
			per LF	
36	5 EACH	POTHOLE EXISTING UNDERGROUND UTILITY (8-30)		
			\$	
			per EA	

Sanitary Sewer Project (Cottage Place)
CITY OF FERNDALE

() SECTION REFERENCE

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
37	1 FORCE ACCOUNT	REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES (8-31)		
			\$	\$ 2,000.00
			FA	
38	1 FORCE ACCOUNT	UNANTICIPATED SITE WORK (8-32)		
			\$	\$ 2,000.00
			FA	

SUBTOTAL: \$ _____

**SALES TAX (on Bid Items 1-12,17-38) (8.7%): \$ _____

TOTAL: \$ _____

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 _____, 2013, 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, SANITARY SEWER PROJECT (COTTAGE PLACE), 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 _____, 2013.

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:
SANITARY SEWER PROJECT (COTTAGE PLACE)
FERNDALE, WASHINGTON

This Contract, made and entered into this ____ day of ____, 2013 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 "SANITARY SEWER PROJECT (COTTAGE PLACE), 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 SANITARY SEWER PROJECT (COTTAGE PLACE), 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 _____, 2013, 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 _____, 2013, 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: _____

INFORMATIONAL



Public Works Department

2095 MAIN STREET / P.O. BOX 936

FERNDALE, WA 98248

(360) 384-4006

NOTICE TO PROCEED

SANITARY SEWER PROJECT (COTTAGE PLACE) FERNDALE, WASHINGTON

DATE:

CONTRACTOR:

The City of Ferndale has reviewed and approved the executed contract, your performance bond, and your payment bond for the **SANITARY SEWER PROJECT (COTTAGE PLACE)**.

This notice shall constitute the Notice to Proceed on the above referenced project. Contract time (_____ working days) will begin on _____.

If you have any questions or concerns regarding this notice, please contact the Public Works Department at (360) 384-4006.

Sincerely,

CITY OF FERNDALE

Janice Marlega, P.E.
Public Works Director

SPECIFICATIONS AND CONDITIONS

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**SANITARY SEWER PROJECT
(COTTAGE PLACE)
CITY OF FERNDALE, WASHINGTON
City Project Number SS2013-03**

Specifications & Conditions
Drawings



Plans Provided for:

City of Ferndale
Janice Marlega, P.E., 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

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2012 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.

Section 1-01, Definition and Terms

August 5, 2013

1-01.2(2) Items of Work and Units of Measurement

The following abbreviation in this section is deleted:

ATB	Asphalt Treated Base
-----	----------------------

1-01.3 Definitions

The definition for “**Bid Documents**” is revised to read:

The component parts of the proposed Contract which may include, but are not limited to, the Proposal Form, the proposed Contract Provisions, the proposed Contract Plans, Addenda, and, for projects with Contracting Agency subsurface investigations, the Summary of Geotechnical Conditions and subsurface boring logs (if any).

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

The part of the Structure *above*:

1. The bottom of the grout pad for the simple and continuous span bearing, or
2. The bottom of the block supporting the girder, or
3. Arch skewback and construction joints at the top of vertical abutment members or rigid frame piers.

Longitudinal limits of the Superstructure extend from end to end of the Structure in accordance with the following criteria:

1. From the face of end diaphragm abutting the bridge approach embankment for end piers without expansion joints, or
2. From the end pier expansion joint for bridges with end pier expansion joints.

Superstructures include, but are not limited to, the bottom slab and webs of box girders, the bridge deck and diaphragms of all bridges, and the sidewalks when shown on the bridge deck. The Superstructure also includes the girders, expansion joints, bearings, barrier, and railing attached to the Superstructure when such Superstructure components are not otherwise covered by separate unit measured or lump sum bid items.

Superstructures do not include endwalls, wingwalls, barrier and railing attached to the wingwalls, and cantilever barriers and railings unless supported by the Superstructure.

Section 1-02, Bid Procedures and Conditions

January 2, 2012

1-02.4(2) Subsurface Information

The first two sentences in the first paragraph are revised to read:

If the Contracting Agency has made subsurface investigation of the site of the proposed work, the boring log data, soil sample test data, and geotechnical recommendations reports obtained by the Contracting Agency will be made available for inspection by the Bidders at the location specified in the Special Provisions. The Summary of Geotechnical Conditions, as an appendix to the Special Provisions, and the boring logs shall be considered as part of the Contract.

Section 1-03, Award and Execution of Contract

April 2, 2012

1-03.1(1) Tied Bids

This section's title is revised to read:

1-03.1(1) Identical Bid Totals

Section 1-05, Control of Work

August 6, 2012

1-05.13(1) Emergency Contact List

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

The list shall include, at a minimum, the Prime Contractor's Project Manager, or equivalent, the Prime Contractor's Project Superintendent, the Erosion and Sediment Control (ESC) Lead and the Traffic Control Supervisor.

Section 1-06, Control of Material

August 5, 2013

1-06.1(3) Aggregate Source Approval (ASA) Database

The last paragraph is revised to read the following two new paragraphs:

Aggregate materials that are not approved for use in the ASA database may be sampled and tested by the Agency, for a specified use on a project, from the source or from a processed stockpile of the material and all cost for the sampling and testing will be deducted from the Contract.

The Contractor agrees to authorize the Project Engineer to deduct the sampling and testing costs from any money due or coming due to the Contractor.

1-06.1(4) Fabrication Inspection Expense

The first paragraph 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 payment due the Contractor costs to perform fabrication inspection on the following items:

- Bridge Bearings (Cylindrical, Disc, Fabric Pad, Pin, Pendulum, Rocker, and Spherical)
- Cantilever Sign Structures and Sign Bridges
- Epoxy-Coated Reinforcing Steel
- Metal Bridge Railing and Handrail
- Modular Expansion Joints
- Painted Piling and Casing
- Painted and Powder-Coated Luminaire and Signal Poles
- Precast Concrete Catch Basins, Manholes, Inlets, Drywells, and Risers
- Precast Concrete Drain, Perforated Underdrain, Culvert, Storm Sewer, and Sanitary Sewer Pipe
- Precast Concrete Three Sided Structures
- Precast Concrete Junction Boxes, Pull Boxes, Cable Vaults, Utility Vaults, and Box Culverts
- Precast Concrete Traffic Barrier
- Precast Concrete Marine Pier Deck Panels
- Precast Concrete Floor Panels
- Precast Concrete Structural Earth Walls, Noise Barrier Walls, and Wall Stem Panels
- Precast Concrete Retaining Walls, including Lagging Panels
- Prestressed Concrete Girders and Precast Bridge Components
- Prestressed Concrete Piles
- Seismic Retrofit Earthquake Restrainers
- Soldier Piles
- Steel Bridges and Steel Bridge Components
- Steel Column Jackets
- Structural Steel for Ferry Terminals, including items such as Dolphins, Wingwalls, and Transfer Spans
- Treated Timber and Lumber 6-inch by 6-inch or larger
- Timber
- Additional items as may be determined by the Engineer

The footnote below the table is revised to read:

- * 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 taking place.

Section 1-07, Legal Relations and Responsibilities to the Public

April 1, 2013

1-07.1 Laws to be Observed

The following two sentences are inserted after the first sentence in the third paragraph:

In particular the Contractor's attention is drawn to the requirements of WAC 296.800 which requires employers to provide a safe workplace. More specifically WAC 296.800.11025 prohibits alcohol and narcotics from the workplace.

1-07.9(2) Posting Notices

This section is revised to read:

Notices and posters shall be placed in areas readily accessible to read by employees. The Contractor shall ensure the following are posted:

1. EEOC - P/E-1 (revised 11/09) - Equal Employment Opportunity is THE LAW published by US Department of Labor. Post for projects with federal-aid funding
2. FHWA-1022 (revised 11/11) - NOTICE Federal-Aid Project published by Federal Highway Administration (FHWA). Post for projects with federal-aid funding
3. WH 1321 (revised 04/09) - Employee Rights under the Davis-Bacon Act published by US Department of Labor. Post for projects with federal-aid funding
4. WHD 1088 (revised 07/09) - Employee Rights under the Fair Labor Standards Act published by US Department of Labor. Post on all projects
5. WHD - 1420 (revised 01/09) - Employee Rights and Responsibilities under The Family and Medical Leave Act published by US Department Of Labor. Post on all projects
6. WHD-1462 (revised 01/12) – Employee Polygraph Protection Act published by US Department of Labor. Post on all projects
7. F416-081-909 (revised 12/12) - Job Safety and Health Law published by Washington State Department of Labor and Industries. Post on all projects
8. F242-191-909 (revised 12/12) - Notice to Employees published by Washington State Department of Labor and Industries. Post on all projects
9. F700-074-909 (revised 12/12) - Your Rights as a Worker in Washington State by Washington State Department of Labor and Industries (L&I). Post on all projects

10. EMS 9874 (revised 04/12) - Unemployment Benefits published by Washington State Employee Security Department. Post on all projects
11. Post one copy of the approved "Statement of Intent to Pay Prevailing Wages" for the Contractor, each Subcontractor, each lower tier subcontractor, and any other firm (Supplier, Manufacturer, or Fabricator) that falls under the provisions of RCW 39.12 because of the definition of "Contractor" in WAC 296-127-010
12. Post one copy of the prevailing wage rates for the project

1-07.9(5) Required Documents

Item number 2. in the first paragraph is revised to read:

2. A copy of an approved "Affidavit of Prevailing Wages Paid", State L&I's form number F700-007-000. The Contracting Agency will not grant Completion until all approved Affidavit of Wages paid for Contractor and all Subcontractors have been received by the Project Engineer. The Contracting Agency will not release to the Contractor any funds retained under RCW 60.28.011 until all of the "Affidavit of Prevailing Wages Paid" forms have been approved by State L&I and a copy of all the approved forms have been submitted to the Engineer.

1-07.14 Responsibility for Damage

The fifth paragraph is revised to read:

Pursuant to RCW 4.24.115, if such claims, suits, or actions result from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the Contractor or the Contractor's agent or employees, the indemnity provisions provided in the preceding paragraphs of this Section shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of its agents and employees.

1-07.15 Temporary Water Pollution/Erosion Control

The third paragraph is deleted.

Section 1-08, Prosecution and Progress

April 1, 2013

1-08.1 Subcontracting

In the eighth paragraph, "Contracting Agency" is revised to read "WSDOT".

1-08.3(1) General Requirements

The following new paragraph is inserted after the first paragraph:

Total float belongs to the project and shall not be for the exclusive benefit of any party.

1-08.5 Time for Completion

The last paragraph in this section is supplemented with the following:

- e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors

1-08.7 Maintenance During Suspension

The second paragraph is revised to read:

At no expense to the Contracting Agency, the Contractor shall provide through the construction area safe, smooth, and unobstructed roadways and pedestrian access routes for public use during the suspension (as required in Section 1-07.23 or the Special Provisions.) This may include a temporary road, alternative pedestrian access route or detour.

Section 1-09, Measurement and Payment

April 1, 2013

1-09.1 Measurement of Quantities

The following new sentence is inserted after the sentence ““Ton”:2,000 pounds of avoirdupois weight”:

Items of payment that have “Lump Sum” or “Force Account” in the Bid Item of Work shall have no specific unit of measurement requirement.

1-09.2(5) Measurement

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

The frequency of verification checks will be such that at least one test weekly is performed for each scale used in weighing contract items of Work.

1-09.6 Force Account

In item No. **3. For Equipment**, the last sentence in the third sub-paragraph is revised to read:

In the event that prior quotations are not obtained and the vendor is 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.

Section 5-04, Hot Mix Asphalt

April 1, 2013

5-04.2 Materials

The following material reference is deleted from this section:

Blending Sand 9-03.8(4)

The fourth paragraph is revised to read:

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

5-04.3(7)A1 General

This section is supplemented with the following:

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 mix design.

5-04.3(7)A3 Commercial Evaluation

The second sentence in the second paragraph is deleted.

5-04.3(10)B3 Longitudinal Joint Density

The section including title is revised to read:

5-04.3(10)B3 Vacant

5-04.3(11)D General

The last sentence in the first paragraph is deleted.

5-04.3(12)A Transverse Joints

In the second paragraph “planning” is revised to read “planing”.

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. For HMA accepted by statistical and nonstatistical evaluation the anti-stripping additive shall be added in the amount designated in the WSDOT mix design/anti-strip evaluation report provided by the Contracting Agency. For HMA accepted by commercial evaluation the Project Engineer will determine the amount of anti-strip to be added; paving shall not begin before the anti-strip requirements have been provided to the Contractor.

5-04.4 Measurement

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

HMA Cl. ____ PG ____, HMA for ____ Cl. ____ PG ____, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture.

The last paragraph is deleted.

5-04.5 Payment

The bid item “Longitudinal Joint Density Price Adjustment”, by calculation and paragraph following bid item are deleted.

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

April 2, 2012

7-05.3 Construction Requirements

The third paragraph is supplemented with the following:

Leveling and adjustment devices that do not modify the structural integrity of the metal frame, grate or cover, and do not void the originating foundry’s compliance to these specifications and warranty is allowed. Approved leveling devices are listed in the Qualified Products List. Leveling and adjusting devices that interfere with the backfilling,

backfill density, grouting and asphalt density will not be allowed. The hardware for leveling and adjusting devices shall be completely removed when specified by the Project Engineer.

Section 8-21, Permanent Signing

January 7, 2013

8-21.2 Materials

The third sentence is revised to read:

Materials for sign mounting shall conform to Section 9-28.11.

8-21.3(9)A Fabrication of Steel Structures

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

Fabrication shall conform to the applicable requirements of Section 6-03 and 9-06.

This section is supplemented with the following:

All fabrication, including repairs, adjustments or modifications of previously fabricated sign structure members and connection elements, shall be performed in the shop, under an Engineer approved shop drawing prepared and submitted by the Contractor for the original fabrication or the specific repair, adjustment or modification. Sign structure fabrication repair, adjustment or modification of any kind in the field is not permitted. If fabrication repair, adjustment or modification occurs after a sign structure member or connection element has been galvanized, the entire member or element shall be re-galvanized in accordance with AASHTO M 111.

8-21.3(9)B Vacant

This section including title is revised to read:

8-21.3(9)B Erection of Steel Structures

Erection shall conform to the applicable requirements of Sections 6-03 and 8-21.3(9)F. Section 8-21.3(9)F notwithstanding, the Contractor may erect a sign bridge prior to completion of the shaft cap portion of one foundation for one post provided the following conditions are satisfied:

1. The Contractor shall submit design calculations and working drawings of the temporary supports and falsework supporting the sign bridge near the location of the incomplete foundation to the Engineer for approval in accordance with Section 6-01.9. The submittal shall include the method of releasing and removing the temporary supports and falsework without inducing loads and stress into the sign bridge.
2. The Contractor shall submit the method used to secure the anchor bolt array in proper position with the sign bridge while casting the shaft cap concrete to complete the foundation.
3. The Contractor shall erect the sign bridge and temporary supports and falsework, complete the remaining portion of the incomplete foundation, and remove the

temporary supports and falsework, in accordance with the working drawing submittals as approved by the Engineer.

8-21.3(9)F Foundations

The following new paragraph is inserted after the second paragraph:

Concrete placed into an excavation where water is present shall be placed using an approved tremie. If water is not present, the concrete shall be placed such that the free-fall is vertical down the center of the shaft without hitting the sides, the steel reinforcing bars, or the steel reinforcing bar cage bracing. The Section 6-02.3(6) restriction for 5-feet maximum free-fall shall not apply to placement of Class 4000P concrete into a shaft.

The ninth paragraph (after implementing the preceding Amendment) is replaced with the following three new paragraphs:

After construction of concrete foundations for sign bridge and cantilever sign structures, the Contractor shall survey the foundation locations and elevations, the anchor bolt array locations and lengths of exposed threads. The Contractor shall confirm that the survey conforms to the sign structure post, beam, span and foundation design geometry shown in the Plans, and shall identify any deviations from the design geometry shown in the Plans. When deviations are identified, the Contractor shall notify the Engineer, and such notice shall be accompanied by the Contractor's proposed method(s) of addressing the deviations, including removal and reconstruction of the shaft cap portion of the affected concrete foundation as outlined in this Section, or fabrication repair, adjustment or modification, with associated shop drawings, in accordance with Section 8-21.3(9)A.

If the Contractor's survey indicates that a concrete foundation has been constructed incorrectly for a sign structure that has already been fabricated, the Contractor may remove and reconstruct the shaft cap portion of the foundation, in accordance with Section 1-07.13, provided the following conditions are satisfied:

1. The Contractor shall submit the method and equipment to be used to remove the portion of the concrete foundation to be removed and reconstructed to the Engineer for approval in accordance with Section 1-05.3. The submittal shall include confirmation that the equipment and the method of operation is appropriate to ensure that the existing anchor bolt array and primary shaft vertical steel reinforcing bars will not be damaged.
2. All steel reinforcing bars, except for steel reinforcing bars extending from the bottom portion of the foundation to remain, shall be removed and disposed of in accordance with Sections 2-02.3 and 2-03.3(7)C, and shall be replaced with new steel reinforcing bars conforming to the size, dimensions and geometry shown in the Plans. All concrete of the removed portion of the foundation shall be removed and disposed of in accordance with Sections 2-02.3 and 2-03.3(7)C.
3. The Contractor shall adjust the primary shaft vertical steel reinforcing bars as necessary in accordance with Section 6-02.3(24)C to provide clearance for the anchor bolt array.

Sign structures shall not be erected on concrete foundations until the Contractor confirms that the foundations and the fabricated sign structures are either compatible with each other and the design geometry shown in the Plans, or have been modified in accordance with this Section and as approved by the Engineer to be compatible with each other, and the foundations have attained a compressive strength of 2,400-psi.

Item number 4 in the twelfth paragraph (after implemented the preceding Amendments) is revised to read:

4. Concrete shall be Class 4000P, except as otherwise specified. The concrete for the shaft cap (the portion containing the anchor bolt array assemblies above the construction joint at the top of the shaft) shall be Class 4000.

Item number 3 in the thirteenth paragraph (after implemented the preceding Amendments) is revised to read:

3. Unless otherwise shown in the Plans, concrete shall be Class 4000P.

8-21.5 Payment

This section is supplemented with the following:

All costs in connection with surveying completed concrete foundations for sign bridges and cantilever sign structures shall be included in the lump sum contract price for "Structure Surveying", except that when no Bid item is included in the Proposal for "Structure Surveying" then such costs shall be included in the lump sum contract price(s) for "Sign Bridge No. ____" and "Cantilever Sign Structure No. ____".

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*, 2012 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 Standard Plans*

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 The project provides for the the installation of approximately 325 lineal feet of 8 inch sanitary
8 sewer main located along Cottage Place west of Golden Eagle Drive, 135 lineal feet of 6 inch
9 side sewer and installation of a fire hydrant. The new sewer main will begin from an existing
10 sewer main located in the intersection of Golden Eagle Drive and Cottage Place. A new structure
11 will be installed in the existing sewer main and the new sewer will then extend westerly
12 approximately 325 feet to an existing cleanout to be replaced. Work will include trench
13 excavation; sanitary sewer installation; removing existing structures; HMA overlay; and other
14 work in accordance with the Contract Plans, Special Provisions, the Standard Specifications,
15 including the amendments thereto, and Standard Plans.

16
17 **1-01.3 Definitions**

18 *(March 8, 2013 APWA GSP)*

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

21
22 **Dates**

23 ***Bid Opening Date***

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

25
26 ***Award Date***

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

29
30 ***Contract Execution Date***

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

32
33 ***Notice to Proceed Date***

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

35
36 ***Substantial Completion Date***

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

42
43 ***Physical Completion Date***

44 The day all of the Work is physically completed on the project. All documentation
45 required by the Contract and required by law does not necessarily need to be furnished by
46 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 The venue of all causes of action arising from the advertisement, award, execution, and
24 performance of the contract shall be in the Superior Court of the County where the
25 Contracting Agency’s headquarters are located.
26

27 **Additive**

28 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal,
29 which may, at the discretion of the Contracting Agency, be awarded in addition to the base
30 bid.
31

32 **Alternate**

33 One of two or more units of work or groups of bid items, identified separately in the Bid
34 Proposal, from which the Contracting Agency may make a choice between different methods
35 or material of construction for performing the same work.
36

37 **Business Day**

38 A business day is any day from Monday through Friday except holidays as listed in Section
39 1-08.5.
40

41 **Contract Bond**

42 The definition in the Standard Specifications for “Contract Bond” applies to whatever bond
43 form(s) are required by the Contract Documents, which may be a combination of a Payment
44 Bond and a Performance Bond.
45

1 **Contract Documents**

2 See definition for “Contract”.

4 **Contract Time**

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

8 **Notice of Award**

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

12 **Notice to Proceed**

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

17 **Traffic**

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

21 **1-02 BID PROCEDURES AND CONDITIONS**

23 **1-02.1 Prequalification of Bidders**

25 Delete this Section and replace it with the following:

27 **1-02.1 Qualifications of Bidder**

28 *(January 24, 2011 APWA GSP)*

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

34 **1-02.2 Plans and Specifications**

35 *(June 27, 2011 APWA GSP)*

37 Delete this section and replace it with the following:

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

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

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 at **10:00 AM, December 6, 2013**. A jobsite visit may follow upon request. Attendance at this Pre-Bid Conference is not mandatory.

1 **1-02.5 Proposal Forms**

2 *(June 27, 2011 APWA GSP)*

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

5
6 The Proposal Form will identify the project and its location and describe the work. It will
7 also list estimated quantities, units of measurement, the items of work, and the materials to be
8 furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that
9 call for, but are not limited to, unit prices; extensions; summations; the total bid amount;
10 signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda;
11 the bidder's name, address, telephone number, and signature; the bidder's D/M/WBE
12 commitment, if applicable; a State of Washington Contractor's Registration Number; and a
13 Business License Number, if applicable. Bids shall be completed by typing or shall be
14 printed in ink by hand, preferably in black ink. The required certifications are included as
15 part of the Proposal Form.
16

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

21 **1-02.6 Preparation of Proposal**

22 *(June 27, 2011 APWA GSP)*

23
24 Supplement the second paragraph with the following:

- 25
26 4. If a minimum bid amount has been established for any item, the unit or lump sum price
27 must equal or exceed the minimum amount stated.
28 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed
29 by the signer of the bid.
30

31 Delete the last paragraph, and replace it with the following:

32
33 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.
34

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

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

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

1 **1-02.7 Bid Deposit**

2 *(March 8, 2013 APWA GSP)*

3
4 Supplement this section with the following:

5
6 Bid bonds shall contain the following:

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

17
18 If so stated in the Contract Provisions, bidder must use the bond form included in the
19 Contract Provisions.

20
21 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

22
23 *(February 1, 2008, R&E GSP)*

24 Section 1-02.7 is supplemented with the following:

25
26 All bid bonds shall be made payable to the City of Ferndale.

27
28 **1-02.9 Delivery of Proposal**

29 *(August 15, 2012 APWA GSP, Option A)*

30
31 Delete this section and replace it with the following:

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

36
37 If the project has FHWA funding and requires DBE Written Confirmation Documents or
38 Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit
39 with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on
40 the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by
41 Section 1-02.6.

42
43 The Contracting Agency will not open or consider any Bid Proposal that is received after the
44 time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other
45 than that specified in the Call for Bids.
46

1 **1-02.12 Public Opening of Proposal**
2 *(February 1, 2008 R&E GSP)*
3

4 Section 1-02.12 is supplemented with the following:
5

6 "The completed Bid Proposal Form and any other documents required in accordance with
7 the Special Provisions, shall be received at the following location prior to the time
8 Specified:
9

- 10 1. At City of Ferndale Public Works Department, Ferndale City Hall, 2095 Main Street.
11 Ferndale, Washington 98248.
12

13 All bid envelopes must be in an opaque envelope and plainly marked on the outside:
14

15 Proposal for Contract
16 (Name of Bidder)

17 Project: **Sanitary Sewer Project (COTTAGE PLACE)**
18 Ferndale, WA
19

20 Bid proposals shall be deposited at the designated location prior to the date and time for
21 receipt of bid proposals as indicated in the "Invitation to Bid", or such revised date as may
22 be specified by an addendum.
23

24 No oral, telephonic or telegraphic bids or modifications will be considered.
25

26 The bid opening date for this project is **December 10, 2013**. The bids will be publicly
27 opened and read after **4:00 P.M.** on this date.
28

29 **1-02.3 Irregular Proposals**
30 *(March 13, 2012 APWA GSP)*
31

32 Revise item 1 to read:
33

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

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

2. Federal Debarment

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

- 1 B. Documentation: The Bidder shall not be listed as having an “active exclusion”
2 on the U.S. government’s “System for Award Management” database
3 (www.sam.gov).
4

5 3. **Subcontractor Responsibility**
6

- 7 A. Criterion: The Bidder’s standard subcontract form shall include the
8 subcontractor responsibility language required by RCW 39.06.020, and the
9 Bidder shall have an established procedure which it utilizes to validate the
10 responsibility of each of its subcontractors. The Bidder’s subcontract form shall
11 also include a requirement that each of its subcontractors shall have and
12 document a similar procedure to determine whether the sub-tier subcontractors
13 with whom it contracts are also “responsible” subcontractors as defined by
14 RCW 39.06.020.
15
16 B. Documentation: The Bidder, if and when required as detailed below, shall
17 submit a copy of its standard subcontract form for review by the Contracting
18 Agency, and a written description of its procedure for validating the
19 responsibility of subcontractors with which it contracts.
20

21 4. **Prevailing Wages**
22

- 23 A. Criterion: The Bidder shall not have a record of prevailing wage violations as
24 determined by WA Labor & Industries in the five years prior to the bid
25 submittal date, that demonstrates a pattern of failing to pay workers prevailing
26 wages, unless there are extenuating circumstances and such circumstances are
27 deemed acceptable to the Contracting Agency.
28
29 B. Documentation: The Bidder, if and when required as detailed below, shall
30 submit a list of all prevailing wage violations in the five years prior to the bid
31 submittal date, along with an explanation of each violation and how it was
32 resolved. The Contracting Agency will evaluate these explanations and the
33 resolution of each complaint to determine whether the violation demonstrate a
34 pattern of failing to pay its workers prevailing wages as required.
35

36 5. **Claims Against Retainage and Bonds**
37

- 38 A. Criterion: The Bidder shall not have a record of excessive claims filed against
39 the retainage or payment bonds for public works projects in the three years prior
40 to the bid submittal date, that demonstrate a lack of effective management by
41 the Bidder of making timely and appropriate payments to its subcontractors,
42 suppliers, and workers, unless there are extenuating circumstances and such
43 circumstances are deemed acceptable to the Contracting Agency.
44
45

1 B. Documentation: The Bidder, if and when required as detailed below, shall
2 submit a list of the public works projects completed in the three years prior to
3 the bid submittal date that have had claims against retainage and bonds and
4 include for each project the following information:

- 5 • Name of project
- 6 • The owner and contact information for the owner;
- 7 • A list of claims filed against the retainage and/or payment bond for any
- 8 of the projects listed;
- 9 • A written explanation of the circumstances surrounding each claim and
- 10 the ultimate resolution of the claim.
- 11
- 12

13 6. **Public Bidding Crime**

- 14
- 15 A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime
16 involving bidding on a public works contract in the five years prior to the bid
17 submittal date.
- 18 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
19 statement (on a form to be provided by the Contracting Agency) that the Bidder
20 and/or its owners have not been convicted of a crime involving bidding on a
21 public works contract.
- 22

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

- 24
- 25 A. Criterion: The Bidder shall not have had any public works contract terminated
26 for cause or terminated for default by a government agency in the five years
27 prior to the bid submittal date, unless there are extenuating circumstances and
28 such circumstances are deemed acceptable to the Contracting Agency.
- 29
- 30 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
31 statement (on a form to be provided by the Contracting Agency) that the Bidder
32 has not had any public works contract terminated for cause or terminated for
33 default by a government agency in the five years prior to the bid submittal date;
34 or if Bidder was terminated, describe the circumstances. .
- 35

36 8. **Lawsuits**

- 37
- 38 A. Criterion: The Bidder shall not have lawsuits with judgments entered against the
39 Bidder in the five years prior to the bid submittal date that demonstrate a pattern
40 of failing to meet the terms of contracts, unless there are extenuating
41 circumstances and such circumstances are deemed acceptable to the Contracting
42 Agency
- 43
- 44 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
45 statement (on a form to be provided by the Contracting Agency) that the Bidder
46 has not had any lawsuits with judgments entered against the Bidder in the five

1 years prior to the bid submittal date that demonstrate a pattern of failing to meet
2 the terms of contracts, or shall submit a list of all lawsuits with judgments
3 entered against the Bidder in the five years prior to the bid submittal date, along
4 with a written explanation of the circumstances surrounding each such lawsuit.
5 The Contracting Agency shall evaluate these explanations to determine whether
6 the lawsuits demonstrate a pattern of failing to meet of terms of construction
7 related contracts
8

9 As evidence that the Bidder meets the mandatory and supplemental responsibility criteria
10 stated above, the apparent two lowest Bidders must submit to the Contracting Agency by
11 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a
12 written statement verifying that the Bidder meets all of the mandatory and supplemental
13 criteria together with supporting documentation including but not limited to that detailed
14 above (sufficient in the sole judgment of the Contracting Agency) demonstrating
15 compliance with all mandatory and supplemental responsibility criteria. The Contracting
16 Agency reserves the right to request such documentation from other Bidders as well, and to
17 request further documentation as needed to assess Bidder responsibility. The Contracting
18 Agency also reserves the right to obtain information from third-parties and independent
19 sources of information concerning a Bidder's compliance with the mandatory and
20 supplemental criteria, and to use that information in their evaluation. The Contracting
21 Agency may (but is not required to) consider mitigating factors in determining whether the
22 Bidder complies with the requirements of the supplemental criteria.
23

24 The basis for evaluation of Bidder compliance with these mandatory and supplemental
25 criteria shall include any documents or facts obtained by Contracting Agency (whether
26 from the Bidder or third parties) including but not limited to: (i) financial, historical, or
27 operational data from the Bidder; (ii) information obtained directly by the Contracting
28 Agency from others for whom the Bidder has worked, or other public agencies or private
29 enterprises; and (iii) any additional information obtained by the Contracting Agency which
30 is believed to be relevant to the matter.
31

32 If the Contracting Agency determines the Bidder does not meet the bidder responsibility
33 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall
34 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees
35 with this determination, it may appeal the determination within two (2) business days of the
36 Contracting Agency's determination by presenting its appeal and any additional
37 information to the Contracting Agency. The Contracting Agency will consider the appeal
38 and any additional information before issuing its final determination. If the final
39 determination affirms that the Bidder is not responsible, the Contracting Agency will not
40 execute a contract with any other Bidder until at least two business days after the Bidder
41 determined to be not responsible has received the Contracting Agency's final
42 determination.
43

44 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with
45 concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility
46 Criteria may make or submit requests to the Contracting Agency to modify the criteria.

Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

1-02.15 Pre Award Information

(October 1, 2005 APWA GSP)

Revise this section to read:

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

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

(December 29, 2008 R&E GSP)

Section 1-02.15 is supplemented with the following:

9. Evidence of financial resources and experience,
10. Organization and equipment the Bidder has available for the performance of the contract 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

1 extension. The total of extensions, corrected where necessary, including sales taxes where
2 applicable and such additives and/or alternates as selected by the Contracting Agency, will be
3 used by the Contracting Agency for award purposes and to fix the Awarded Contract Price
4 amount and the amount of the contract bond.

6 **1-03.3 Execution of Contract**

7 *(October 1, 2005 APWA GSP)*

9 Revise this section to read:

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

15 Within 10 calendar days after the award date, the successful bidder shall return the signed
16 Contracting Agency-prepared contract, an insurance certification as required by Section 1-
17 07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the
18 contract by the Contracting Agency, the successful bidder shall provide any pre-award
19 information the Contracting Agency may require under Section 1-02.15.

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

26 If the bidder experiences circumstances beyond their control that prevents return of the
27 contract documents within the calendar days after the award date stated above, the
28 Contracting Agency may grant up to a maximum of 10 additional calendar days for return of
29 the documents, provided the Contracting Agency deems the circumstances warrant it.

31 **1-03.4 Contract Bond**

32 *(October 1, 2005 APWA GSP)*

34 Revise the first paragraph to read:

36 The successful bidder shall provide an executed contract bond for the full contract amount.
37 This contract bond shall:

- 38 1. Be on a Contracting Agency-furnished form;
- 39 2. Be signed by an approved surety (or sureties) that:
 - 40 a. Is registered with the Washington State Insurance Commissioner, and
 - 41 b. Appears on the current Authorized Insurance List in the State of Washington
42 published by the Office of the Insurance Commissioner,
- 43 3. Be conditioned upon the faithful performance of the contract by the Contractor within the
44 prescribed time;
- 45 4. Guarantee that the surety shall indemnify, defend, and protect the Contracting Agency
46 against any claim of direct or indirect loss resulting from the failure:

- a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform the contract, or
 - b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
 6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond must be signed by the president or vice-president, unless accompanied by written proof of the authority of the individual signing the bond to bind the corporation (i.e., corporate resolution, power of attorney or a letter to such effect by the president or vice-president).

1-04 SCOPE OF THE WORK

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

(March 13, 2012 APWA GSP)

Revise the second paragraph to read:

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

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

1-04.6 Variation in Estimated Quantities

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

Supplement this Section with the following:

The quantities for:

Sawcut ACP
Gravel Base
Crushed Surfacing Top Course
Commercial HMA
Removal of Unsuitable Material Incl. Haul
Seeded Lawn Installation
Quarry Spalls

have been entered into the Proposal only to provide a common proposal for bidders. Actual

quantities will be determined in the field as the work progresses, and will be paid at the original bid price, regardless of final quantity. These bid items shall not be subject to the provisions of 1-04.6 of the Standard Specifications.

1-05 CONTROL OF WORK

1-05.4 Conformity with and Deviations from Plans and Stakes

(March 30, 2007 R&E GSP)

Section 1-05.4 is supplemented with the following:

Survey stakes will be provided by the Contracting Agency in accordance with this Section, as 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.

- 1 8. Any claim by the Contractor for extra compensation by reason of alterations or
2 reconstruction work allegedly due to error in the Engineer's line and grade will not be
3 considered unless the original control points set by the Engineer still exist.
4

5 **1-05.7 Removal of Defective and Unauthorized Work**
6 *(October 1, 2005 APWA GSP)*
7

8 Supplement this section with the following:
9

10 If the Contractor fails to remedy defective or unauthorized work within the time specified in
11 a written notice from the Engineer, or fails to perform any part of the work required by the
12 Contract Documents, the Engineer may correct and remedy such work as may be identified
13 in the written notice, with Contracting Agency forces or by such other means as the
14 Contracting Agency may deem necessary.
15

16 If the Contractor fails to comply with a written order to remedy what the Engineer
17 determines to be an emergency situation, the Engineer may have the defective and
18 unauthorized work corrected immediately, have the rejected work removed and replaced, or
19 have work the Contractor refuses to perform completed by using Contracting Agency or
20 other forces. An emergency situation is any situation when, in the opinion of the Engineer, a
21 delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage
22 to the public.
23

24 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and
25 remedying defective or unauthorized work, or work the Contractor failed or refused to
26 perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from
27 monies due, or to become due, the Contractor. Such direct and indirect costs shall include in
28 particular, but without limitation, compensation for additional professional services required,
29 and costs for repair and replacement of work of others destroyed or damaged by correction,
30 removal, or replacement of the Contractor's unauthorized work.
31

32 No adjustment in contract time or compensation will be allowed because of the delay in the
33 performance of the work attributable to the exercise of the Contracting Agency's rights
34 provided by this Section.
35

36 The rights exercised under the provisions of this section shall not diminish the Contracting
37 Agency's right to pursue any other avenue for additional remedy or damages with respect to
38 the Contractor's failure to perform the work as required.
39

40 **1-05.11 Final Inspection**
41

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

1-05.11 Final Inspections and Operational Testing

(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

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

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

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

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

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

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

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

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

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

6 7 **1-05.11(3) Operational Testing** 8

9 It is the intent of the Contracting Agency to have at the Physical Completion Date a complete
10 and operable system. Therefore when the work involves the installation of machinery or
11 other mechanical equipment; street lighting, electrical distribution or signal systems;
12 irrigation systems; buildings; or other similar work it may be desirable for the Engineer to
13 have the Contractor operate and test the work for a period of time after final inspection but
14 prior to the physical completion date. Whenever items of work are listed in the Contract
15 Provisions for operational testing they shall be fully tested under operating conditions for the
16 time period specified to ensure their acceptability prior to the Physical Completion Date.
17 During and following the test period, the Contractor shall correct any items of workmanship,
18 materials, or equipment which prove faulty, or that are not in first class operating condition.
19 Equipment, electrical controls, meters, or other devices and equipment to be tested during
20 this period shall be tested under the observation of the Engineer, so that the Engineer may
21 determine their suitability for the purpose for which they were installed. The Physical
22 Completion Date cannot be established until testing and corrections have been completed to
23 the satisfaction of the Engineer.
24

25 The costs for power, gas, labor, material, supplies, and everything else needed to successfully
26 complete operational testing, shall be included in the unit contract prices related to the
27 system being tested, unless specifically set forth otherwise in the proposal.
28

29 Operational and test periods, when required by the Engineer, shall not affect a
30 manufacturer's guaranties or warranties furnished under the terms of the contract.
31

32 **1-05.13 Superintendents, Labor and Equipment of Contractor**

33 *(March 25, 2009 APWA GSP)*
34

35 Revise the seventh paragraph to read:
36

37 Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to
38 Section 1-02.14, it will take these performance reports into account.
39
40

1 **1-05.14 Cooperation with Other Contractors**

2 *(March 13, 1995 WSDOT GSP)*

3
4 Section 1-05.14 is supplemented with the following:

5
6 ***Other Contracts or Other Work***

7 It is anticipated that the following work adjacent to or within the limits of this project will be
8 performed by others during the course of this project and will require coordination of the work:

9
10 **Puget Sound Energy (Power):** Utility Construction

11 Project Limits: Beginning of Project to the End of Project

12 Relocating and adjusting their facilities to accommodate project improvement.

13 Existing utilities will be impacted as a result of the Contractor's work.

14
15 **Frontier Communications (Communications):** Utility Construction

16 Project Limits: Beginning of Project to the End of Project

17 Relocating and adjusting their facilities to accommodate project improvement.

18 Existing utilities will be impacted as a result of the Contractor's work.

19
20 **Comcast (Communications):** Utility Construction

21 Project Limits: Beginning of Project to the End of Project

22 Relocating and adjusting their facilities to accommodate project improvement.

23 Existing utilities will be impacted as a result of the Contractor's work.

24
25 **Black Rock Cable (Communications):** Utility Construction

26 Project Limits: Beginning of Project to the End of Project

27 Relocating and adjusting their facilities to accommodate project improvement.

28 Existing utilities will be impacted as a result of the Contractor's work.

29
30 **Cascade Natural Gas (Gas):** Utility Construction

31 Project Limits: Beginning of Project to the End of Project

32 Relocating, supporting, and adjusting their facilities to accommodate project

33 improvements. Cascade lines will be impacted as a result of the Contractor's work.

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

2 *(March 25, 2009 APWA GSP)*

3 Revise the second paragraph to read:

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

12
13 Add the following new section:

14
15 **1-05.16 Water and Power**

16 *(October 1, 2005 APWA GSP)*

17
18 The Contractor shall make necessary arrangements, and shall bear the costs for power and
19 water necessary for the performance of the work, unless the contract includes power and
20 water as a pay item.

21
22 Add the following new section:

23
24 **1-05.17 Oral Agreements**

25 *(October 1, 2005 APWA GSP)*

26
27 No oral agreement or conversation with any officer, agent, or employee of the Contracting
28 Agency, either before or after execution of the contract, shall affect or modify any of the
29 terms or obligations contained in any of the documents comprising the contract. Such oral
30 agreement or conversation shall be considered as unofficial information and in no way
31 binding upon the Contracting Agency, unless subsequently put in writing and signed by the
32 Contracting Agency.

33
34 **1-06 CONTROL OF MATERIALS**

35
36 **1-06.4 Handling and Storing Materials**

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

38
39 Section 1-06.4 is supplemented with the following:

40
41 The Contractor shall make arrangements for storage of equipment and materials.

42
43 No staging area is provided by the Contracting Agency.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to Be Observed

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

(August 4, 2011 R&E GSP)

Confined Space

Confined spaces are known to exist at the following locations:

*** All existing storm drain facilities and sanitary sewer facilities affected by the project and all proposed storm drain and sanitary sewer facilities***

The Contractor shall be fully responsible for the safety and health of all on-site workers and compliant with Washington Administrative Code (WAC 296-809).

The Contractor shall prepare and implement a confined space program for each of the confined spaces identified above. The Contractors Confined Space program shall be sent to the contracting agency at least 5 days prior to the Contractor beginning work in or adjacent to the confined space. No work shall be performed in or adjacent to the confined space until

1 the plan is submitted to the Engineer as required. The Contractor shall communicate with the
2 Project Engineer to ensure a coordinated effort for providing and maintaining a safe worksite
3 for both the Contracting Agency's and Contractor's workers when working in or near a
4 confined space.

5
6 All costs to prepare and implement the confined space program shall be included in the bid
7 prices for the various items associated with the confined space work.

9 **1-07.2 State Taxes**

10
11 Delete this section, including its sub-sections, in its entirety and replace it with the following:

12 13 **1-07.2 State Sales Tax**

14 *(June 27, 2011 APWA GSP)*

15
16 The Washington State Department of Revenue has issued special rules on the State sales tax.
17 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
18 contact the Washington State Department of Revenue for answers to questions in this area.
19 The Contracting Agency will not adjust its payment if the Contractor bases a bid on a
20 misunderstood tax liability.

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

24
25 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a
26 FHWA-funded Project) only if the Contractor has obtained from the Washington State
27 Department of Revenue a certificate showing that all contract-related taxes have been paid
28 (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor
29 any amount the Contractor may owe the Washington State Department of Revenue, whether
30 the amount owed relates to this contract or not. Any amount so deducted will be paid into
31 the proper State fund.

32 33 **1-07.2(1) State Sales Tax — Rule 171**

34
35 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,
36 roads, etc., which are owned by a municipal corporation, or political subdivision of the state,
37 or by the United States, and which are used primarily for foot or vehicular traffic. This
38 includes storm or combined sewer systems within and included as a part of the street or road
39 drainage system and power lines when such are part of the roadway lighting system. For
40 work performed in such cases, the Contractor shall include Washington State Retail Sales
41 Taxes in the various unit bid item prices, or other contract amounts, including those that the
42 Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in
43 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
24 **1-07.2(3) Services**

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

29
30 **1-07.6 Permits and Licenses**

31 *(March 13, 1995 WSDOT GSP)*

32
33 Section 1-07.6 is supplemented with the following:

34
35 No hydraulic permits are required for this project unless the Contractor's operations use,
36 divert, obstruct, or change the natural flow or bed of any river or stream, or utilize any of the
37 waters of the State or materials from gravel or sand bars, or from stream beds.

38
39 **1-07.7 Load Limits**

40 *(March 13, 1995 WSDOT GSP)*

41
42 Section 1-07.7 is supplemented with the following:

43
44 If the sources of materials provided by the Contractor necessitates hauling over roads other
45 than State Highways, the Contractor shall, at the Contractor's expense, make all arrangements
46 for the use of the haul routes.

1 **1-07.13 Contractor's Responsibility for Work**

2
3 **1-07.13(4) Repair of Damage**

4 *(August 6, 2001 WSDOT GSP)*

5
6 Section 1-07.13(4) is revised to read:

7
8 The Contractor shall promptly repair all damage to either temporary or permanent work as
9 directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1), 1-
10 07.13(2) or 1-07.13(3), payment will be made in accordance with Section 1-04.4. Payment
11 will be limited to repair of damaged work only. No payment will be made for delay or
12 disruption of work.

13
14 **1-07.15 Temporary Water Pollution/Erosion Control**

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

16
17 Section 1-07.15 is supplemented with the following:

18
19 Erosion Control shall include but not be limited to preventing storm water which has come in
20 contact with disturbed or excavated areas from entering the storm drainage system. The
21 contractor will not allow flow from existing ditches or ground water to come in contact with
22 disturbed or excavated areas. The contractor shall be required to take any means necessary to
23 prevent, control and stop water pollution or erosion within the project as shown on the Plans.

24
25 **1-07.17 Utilities and Similar Facilities**

26 *(April 2, 2007 WSDOT GSP)*

27
28 Section 1-07.17 is supplemented with the following:

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

32
33 The following addresses and telephone numbers of utility companies known or suspected of
34 having facilities within the project limits are supplied for the Contractor's convenience:

35
36 Puget Sound Energy, 1660 Park Lane, Burlington, WA 98233
37 Jane Major, (360)-766-5571

38
39 Frontier Communications, 595 Pease Road, Burlington, WA 98233
40 Barb Robinson, (360) 757-7624

41
42 Comcast Cable, 400 Sequoia Drive, Bellingham, WA 98226
43 Bill Inama (360) 527-8241
44 Thomas Hall (253) 439-8955

45
46 Cascade Natural Gas, 1910 Racine Street, Bellingham, WA 98229
47 Brandon Haugnes, (360)-733-5986

1 Black Rock Cable, Inc., 3229 Northshore Rd., Bellingham, WA 98226
2 Randy Wilson, (360) 734-7930
3

4 City of Ferndale Public Works, 2095 Main Street, Ferndale, WA 98248
5 Bo Westford, (3600-384-4006
6

7 **1-07.18 Public Liability and Property Damage Insurance**
8

9 Delete this section in its entirety, and replace it with the following:
10

11 **1-07.18 Insurance**

12 *(January 24, 2011 APWA GSP)*
13

14 **1-07.18(1) General Requirements**

- 15 A. The Contractor shall obtain the insurance described in this section from insurers approved by
16 the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be
17 provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating
18 Guide, which is licensed to do business in the state of Washington (or issued as a surplus line
19 by a Washington Surplus lines broker). The Contracting Agency reserves the right to
20 approve or reject the insurance provided, based on the insurer (including financial condition),
21 terms and coverage, the Certificate of Insurance, and/or endorsements.
22
23 B. The Contractor shall keep this insurance in force during the term of the contract and for thirty
24 (30) days after the Physical Completion date, unless otherwise indicated (see C. below).
25 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
26 subsequent renewals, shall be no later than the effective date of this Contract. The policy
27 shall state that coverage is claims made, and state the retroactive date. Claims-made form
28 coverage shall be maintained by the Contractor for a minimum of 36 months following the
29 Final Completion or earlier termination of this contract, and the Contractor shall annually
30 provide the Contracting Agency with proof of renewal. If renewal of the claims made form
31 of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase
32 an extended reporting period ("tail") or execute another form of guarantee acceptable to the
33 Contracting Agency to assure financial responsibility for liability for services performed.
34
35 D. The insurance policies shall contain a "cross liability" provision.
36
37 E. The Contractor's and all subcontractors' insurance coverage shall be primary and non-
38 contributory insurance as respects the Contracting Agency's insurance, self-insurance, or
39 insurance pool coverage.
40
41 F. The Contractor shall provide the Contracting Agency and all Additional Insureds with
42 written notice of any policy cancellation, within two business days of their receipt of such
43 notice.
44
45 G. Upon request, the Contractor shall forward to the Contracting Agency a full and certified
46 copy of the insurance policy(s).

1 H. The Contractor shall not begin work under the contract until the required insurance has been
2 obtained and approved by the Contracting Agency.
3

4 I. Failure on the part of the Contractor to maintain the insurance as required shall constitute a
5 material breach of contract, upon which the Contracting Agency may, after giving five
6 business days notice to the Contractor to correct the breach, immediately terminate the
7 contract or, at its discretion, procure or renew such insurance and pay any and all premiums
8 in connection therewith, with any sums so expended to be repaid to the Contracting Agency
9 on demand, or at the sole discretion of the Contracting Agency, offset against funds due the
10 Contractor from the Contracting Agency.
11

12 J. All costs for insurance shall be incidental to and included in the unit or lump sum prices of
13 the contract and no additional payment will be made.
14

15 **1-07.18(2) Additional Insured**

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

- 18 ■ the Contracting Agency and its officers, elected officials, employees, agents, and
19 volunteers
20

21 The above-listed entities shall be additional insured(s) for the full available limits of liability
22 maintained by the Contractor, whether primary, excess, contingent or otherwise, irrespective of
23 whether such limits maintained by the Contractor are greater than those required by this
24 Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor
25 pursuant to 1-07.18(3) describes limits lower than those maintained by the Contractor.
26

27 **1-07.18(3) Subcontractors**

28 Contractor shall ensure that each subcontractor of every tier obtains and maintains at a minimum
29 the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B. Upon request of the Contracting
30 Agency, the Contractor shall provide evidence of such insurance.
31

32 **1-07.18(4) Evidence of Insurance**

33 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and
34 endorsements for each policy of insurance meeting the requirements set forth herein when the
35 Contractor delivers the signed Contract for the work. The certificate and endorsements must
36 conform to the following requirements:

- 37 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
- 38 2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-
39 07.18(2) as Additional Insured(s), showing the policy number. The Contractor may submit a
40 copy of any blanket additional insured clause from its policies instead of a separate
41 endorsement. A statement of additional insured status on an ACORD Certificate of
42 Insurance shall not satisfy this requirement.
- 43 3. Any other amendatory endorsements to show the coverage required herein.
44
45

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

2 The insurance shall provide the minimum coverages and limits set forth below. Providing
3 coverage in these stated minimum limits shall not be construed to relieve the Contractor from
4 liability in excess of such limits. All deductibles and self-insured retentions must be disclosed
5 and are subject to approval by the Contracting Agency. The cost of any claim payments falling
6 within the deductible shall be the responsibility of the Contractor.
7

8 **1-07.18(5)A Commercial General Liability**

9 A policy of Commercial General Liability Insurance, including:

10
11 Per project aggregate
12 Premises/Operations Liability
13 Products/ Completed Operations – for a period of one year following final acceptance of the
14 work.
15 Personal/Advertising Injury
16 Contractual Liability
17 Independent Contractors Liability
18 Stop Gap / Employers’ Liability
19 Explosion, Collapse, or Underground Property Damage (XCU)
20 Blasting (only required when the Contractor’s work under this Contract includes exposures to
21 which this specified coverage responds)
22

23 Such policy must provide the following minimum limits:

24 \$1,000,000 Each Occurrence
25 \$2,000,000 General Aggregate
26 \$1,000,000 Products & Completed Operations Aggregate
27 \$1,000,000 Personal & Advertising Injury, each offence
28

29 Stop Gap / Employers’ Liability

30 \$1,000,000 Each Accident
31 \$1,000,000 Disease - Policy Limit
32 \$1,000,000 Disease - Each Employee
33

34 **1-07.18(5)B Automobile Liability**

35 Automobile Liability for owned, non-owned, hired, and leased vehicles, with an MCS 90
36 endorsement and a CA 9948 endorsement attached if “pollutants” are to be transported. Such
37 policy (ies) must provide the following minimum limit:

38 \$1,000,000 combined single limit
39

40 **1-07.18(5)C Workers’ Compensation**

41 The Contractor shall comply with Workers’ Compensation coverage as required by the Industrial
42 Insurance laws of the state of Washington.
43

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

2
3 **1-07.23(1) Construction under Traffic**

4 *(January 2, 2012 WSDOT GSP)*

5
6 Section 1-07.23(1) is supplemented with the following:

7
8 **Work Zone Clear Zone**

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

14
15 During nonworking hours equipment or materials shall not be within the WZCZ unless
16 they are protected by permanent guardrail or temporary concrete barrier. The use of
17 temporary concrete barrier shall be permitted only if the Engineer approves the
18 installation and location.

19
20 During actual hours of work, unless protected as described above, only materials
21 absolutely necessary to construction shall be within the WZCZ and only construction
22 vehicles absolutely necessary to construction shall be allowed within the WZCZ or
23 allowed to stop or park on the shoulder of the roadway.

24
25 The Contractor's nonessential vehicles and employees private vehicles shall not be
26 permitted to park within the WZCZ at any time unless protected as described above.

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

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

31

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

32 * or 2-feet beyond the outside edge of sidewalk

33
34 **Minimum Work Zone Clear Zone Distance**

35
36 *(August 7, 2006 WSDOT GSP)*

37 Lane closures are subject to the following restrictions:

1 *** Unless noted on the Detour Plans, a one lane closure will be allowed during working
2 hours.***
3

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

8 No lane closures will be allowed on a holiday or holiday weekend, or after 12:00 PM (noon)
9 on a day prior to a holiday or holiday weekend. Holidays that occur on Friday, Saturday,
10 Sunday or Monday are considered a holiday weekend.
11

12 *(December 8, 2008 R&E GSP)*

13 Section 1-07.23(1) is supplemented with the following:
14

15 Construction vehicles using a closed traffic lane shall travel only in the normal direction of
16 traffic flow unless expressly allowed in an approved traffic control plan. Construction
17 vehicles shall be equipped with flashing or rotating amber lights.
18

19 Work over an open lane of traffic will not be allowed, unless a plan for the protection of the
20 traveling public from objects falling onto the traveled way is approved by the Engineer. This
21 protection shall remain in place during construction and meet minimum vertical clearance for
22 the highway.
23

24 **Controlled Access**

25 No special access or egress will be allowed the Contractor other than normal legal
26 movements or as shown in the plans.
27

28 **Pedestrian Access**

29 The Contractor shall keep all pedestrian routes and access point (including sidewalks and
30 crosswalks when located within the project limits) open and clear at all times unless
31 permitted otherwise by the Engineer in an approved traffic control plan.
32

33 **Signs and Traffic Control Devices**

34 All signs and traffic control devices for the permitted closures shall only be installed during
35 the hours specified on the plans. Construction signs, if placed earlier than the specified hours
36 of closure, shall be turned or covered so as not to be visible to motorists.
37

38 **Hours of Darkness**

39 The Contractor shall, at no additional cost to the Contracting Agency, make all arrangements
40 for operations during hours of darkness. A portable illumination system, which will
41 adequately illuminate the entire work area shall be provided. Flagger stations and advance
42 warning signs shall be illuminated with a minimum **150-watt** floodlight and to the
43 satisfaction of the Engineer. Flares are for emergency use and are not considered a proper
44 method of illumination.
45
46

1 **Hour Adjustment**

2 If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer
3 may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any
4 change in the closures hours.
5

6 **Advance Notification**

7 The Contractor shall be responsible for notifying private property owners, or tenants, five (5)
8 working days in advance of scheduled interruptions of access to private roads or driveways.
9 The Contractor shall notify the Engineer three (3) working days in advance of scheduled
10 interruptions of access to private road or driveways. The Contractor shall only interrupt
11 access to one half of any private road or driveway. The Contractor shall notify private
12 property owners, or tenants, by having a representative of the Contractor personally contact
13 the private property owner or tenant. If the property owner or tenant is not available, the
14 Contractor shall leave a door hanger notice indicating the commencement date of work,
15 duration of work, the type of work being done, and the Contractor's and Engineer's phone
16 number and address for questions and concerns. The Engineer shall be provided adequate
17 time to review, comment, and approve the door hanger notice prior to the Contractor placing
18 any notices. Access shall be restored as soon as possible, but not later than the end of each
19 working day. Any exception will only be allowed with the approval of the private property
20 owner, or tenant, and the Engineer. All costs involved with public notification shall be
21 incidental to the various bid items.
22

23 The Contractor shall notify the Engineer in writing 5 working days in advance of any lane
24 closure, sidewalk closure, or both.
25

26 **Public Notification**

27 The Contractor shall notify the local fire, police, emergency service, and city engineering
28 departments; transit companies; and the affected school district(s) in writing a minimum of 5
29 working days prior to each closure. The Contractor shall furnish copies of these notifications
30 to the Engineer.
31

32 **1-07.24 Rights of Way**

33 *(October 1, 2005 APWA GSP)*
34

35 Delete this section in its entirety, and replace it with the following:
36

37 Street right of way lines, limits of easements, and limits of construction permits are indicated
38 in the Plans. The Contractor's construction activities shall be confined within these limits,
39 unless arrangements for use of private property are made.
40

41 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way
42 and easements, both permanent and temporary, necessary for carrying out the work.
43 Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's
44 attention by a duly issued Addendum.
45

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

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

16 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This
17 includes entry onto easements and private property where private improvements must be
18 adjusted.
19

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

34 **1-07.26 Personal Liability of Public Officers**

35 *(February 1, 2008 R&E GSP)*
36

37 Section 1-07.26 is revised to read:
38

39 Neither the Mayor, the Ferndale City Council, employees of the City, or the Engineer shall
40 be personally liable for any acts or failure to act in connection with the Contract, it being
41 understood that in such matters, they are acting solely as agents of the City of Ferndale.
42

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 *(March 8, 2013 APWA GSP)*
34

35 Except in the case of emergency or unless otherwise approved by the Contracting Agency,
36 the normal straight time working hours for the Contract shall be any consecutive 8-hour
37 period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch
38 break and a 5-day work week. The normal straight time 8-hour working period for the
39 Contract shall be established at the preconstruction conference or prior to the Contractor
40 commencing the work.

41
42 Written permission from the Engineer is required, if a Contractor desires to perform work on
43 holidays, Saturdays, or Sundays; before 7:00 a.m. or after 6:00 p.m. on any day; or longer
44 than an 8-hour period on any day. The Contractor shall apply in writing to the Engineer for
45 such permission, no later than noon on the working day prior to the day for which the
46 Contractor is requesting permission to work.

1 Permission to work between the hours of 10:00 p.m. and 7:00 a.m. during weekdays and
2 between the hours of 10:00 p.m. and 9:00 a.m. on weekends or holidays may also be subject
3 to noise control requirements. Approval to continue work during these hours may be
4 revoked at any time the Contractor exceeds the Contracting Agency's noise control
5 regulations or complaints are received from the public or adjoining property owners
6 regarding the noise from the Contractor's operations. The Contractor shall have no claim for
7 damages or delays should such permission be revoked for these reasons.
8

9 Permission to work Saturdays, Sundays, holidays, or other than the agreed upon normal
10 straight time working hours Monday through Friday may be given subject to certain other
11 conditions set forth by the Contracting Agency or Engineer. These conditions may include
12 but are not limited to:

- 13 • The Engineer may require designated representatives to be present during the work.
14 Representatives who may be deemed necessary by the Engineer include, but are not
15 limited to: survey crews; personnel from the Contracting Agency's material testing
16 lab; inspectors; and other Contracting Agency employees when in the opinion of the
17 Engineer, such work necessitates their presence.
- 18 • On non-Federal aid projects, requiring the Contractor to reimburse the Contracting
19 Agency for the costs in excess of straight-time costs for Contracting Agency
20 representatives who worked during such times.
- 21 • Considering the work performed on Saturdays, Sundays, and holidays as working
22 days with regard to the contract time.
- 23 • Considering multiple work shifts as multiple working days with respect to contract
24 time, even though the multiple shifts occur in a single 24-hour period.
25

26 **1-08.1 Subcontracting**

27 Section 1-08.1 is supplemented with the following:
28

29 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall
30 submit to the Engineer a certification that a written agreement between the Contractor and
31 the subcontractor or between the subcontractor and any lower tier subcontractor has been
32 executed.
33

34 A subcontractor or lower tier subcontractor will not be permitted to perform any work under
35 the contract until the following documents have been completed and submitted to the
36 Engineer:
37

- 38 1. Request to Sublet Work (Form 421-012), and
- 39 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification.
40

41 The Contractor's records pertaining to the requirements of this Special Provision shall be
42 open to inspection or audit by representatives of the Contracting Agency during the life of
43 the contract and for a period of not less than three years after the date of acceptance of the
44 contract. The Contractor shall retain these records for that period. The Contractor shall also
45 guarantee that these records of all subcontractors and lower tier subcontractors shall be
46 available and open to similar inspection or audit for the same time period.

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 *(August 7, 2006)*

39 The Contractor shall begin work no earlier than ******January 1, 2014****** and work shall be
40 substantially complete no later than **February 1, 2014**.

41
42 *(February 1, 2008 R&E GSP)*

43 Section 1-08.4 is supplemented with the following:

44
45
46 **Project Meetings**

47 The Engineer shall be responsible for preparation of agenda, preparation of minutes and

1 distribution of documentation. One set of the documentation will be sent to each
2 participant. All meetings will be held at on-site, unless otherwise agreed upon.
3

4 **Progress Meetings**

5 Regular Progress Meetings shall be schedule by the Engineer. Progress Meetings shall be
6 held weekly or as otherwise schedule by the Engineer.
7

8 The Progress Meeting agenda shall include, but not be limited to:

- 9 1. Review minutes of previous meeting, amend minutes if necessary, and accept
10 minutes.
- 11 2. Review unresolved questions and issues from previous Progress Meetings and
12 further consider those questions and issues.
- 13 3. Review new questions and issues regarding delays, coordination with other
14 agencies, changed conditions or work scope, interferences, utilities, and requests
15 for information (RFI's).
- 16 4. Review corrective measures to regain projected schedule
- 17 5. Review status of submittals, RFI's, change issues, as-built documentation, and
18 other correspondence.
- 19 6. Review effects of proposed changes on progress schedule and coordination
- 20 7. Contractor to present updated look-ahead / as-built schedule describing activities
21 to occur in the upcoming three weeks, and to document the as-built schedule for
22 work accomplished since the prior meeting. Contractor to present the updated
23 schedule at each regular weekly progress meeting.
24

25 **Coordination Meetings**

26 Coordination Meetings will commence after the NTP has been issued. The purpose of
27 the Coordination Meetings is to coordinate the Contractor's Work with the work being
28 done concurrently at the Site by others. Coordination meetings will be scheduled in
29 conjunction with progress meetings when appropriate.
30

31 **Additional Meetings**

32 Additional meetings will be scheduled as necessary for the completion of various
33 portions of the Work. Meetings will include pre-installation, pre-testing or other purpose
34 as required by the specifications, conditions on the jobsite, or as requested by the
35 Engineer or the project team.
36

37 All costs involved with the various meetings shall be incidental to the various bid items.
38

39 *(September 15, 2008 R&E GSP)*

40 **Order of Work**

41 **Sanitary Work**

42 To limit the impact to Ferndale High School, the sanitary work, including MH1, at the
43 intersection of Golden Eagle Drive and Cottage Place (between approximately STA 3+00 to
44 STA 3+26), as shown on the Plans, shall occur on weekends, holidays, or on non-school
45 days. Current holidays and non-school days are:
46

- 1/2/14 -- Winter Break
- 1/3/14 -- Winter Break
- 1/20/14 -- MLK Day
- 1/27/14 -- Semester Workday

As non-school days are subject to change, the Contractor shall verify non-school days 5 working days prior to beginning work at this location.

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
(October 1, 2005 APWA GSP)

Revise the second paragraph to read:

At no expense to the Contracting Agency, the Contractor shall provide through the construction area a safe, smooth, and unobstructed roadway, sidewalk, and path for public use during suspension (as required in Section 1-07.23 or the Special Provisions). This may include a temporary road or detour.

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 **1-09.9 Payments**

13 *(March 13, 2012 APWA GSP)*

14
15 Supplement this section with the following:

16
17 Lump sum item breakdowns are not required when the bid price for the lump sum item is less
18 than \$20,000.
19

20 *(March 13, 2012 APWA GSP)*

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

22
23 The basis of payment will be the actual quantities of Work performed according to the
24 Contract and as specified for payment.
25

26 The Contractor shall submit a breakdown of the cost of lump sum bid items at the
27 Preconstruction Conference, to enable the Project Engineer to determine the Work performed
28 on a monthly basis. A breakdown is not required for lump sum items that include a basis for
29 incremental payments as part of the respective Specification. Absent a lump sum
30 breakdown, the Project Engineer will make a determination based on information available.
31 The Project Engineer's determination of the cost of work shall be final.
32

33 Progress payments for completed work and material on hand will be based upon progress
34 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
35 preconstruction conference.
36

37 The initial progress estimate will be made not later than 30 days after the Contractor
38 commences the work, and successive progress estimates will be made every month thereafter
39 until the Completion Date. Progress estimates made during progress of the work are
40 tentative, and made only for the purpose of determining progress payments. The progress
41 estimates are subject to change at any time prior to the calculation of the final payment.
42

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

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

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

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

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

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

1-09.13 Claims Resolution

1-09.13(3)A Administration of Arbitration

(October 1, 2005 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters are located. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the contract as a basis for decisions.

1-10 TEMPORARY TRAFFIC CONTROL

1-10.1 General

(February 4, 2008 R&E GSP)

Section 1-10.1 is supplemented with the following:

During grading operations, the elevation difference between the portion of the traveled way open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to allow cross traffic.

In addition, for any modifications to the access provisions, the Contractor shall furnish satisfactory documentation that the affected property owners concur with the proposed change. The Contractor shall coordinate with the Engineer and the property owners and make the necessary arrangements to accommodate the access requirements of the affected

1 property owners and the public services.

2
3 The Contractor shall determine and place signs in accordance with the Manual on Uniform
4 Traffic Control Devices (MUTCD) and the Plans.

5
6 **1-10.2 Traffic Control Management**

7 *(February 4, 2008 R&E GSP)*

8
9 Section 1-10.2 is supplemented with the following:

10
11 Before beginning work on the project, the Contractor shall designate a Traffic Control
12 Supervisor. The Contractor shall provide the Engineer with a list of names and phone
13 numbers of not more than six supervisory employees that may be called for traffic control, as
14 needed, during working or non-working hours. The Contractor shall have at least one of
15 these employees available at any time.

16
17 If the Contractor's employees are not available in a timely manner to take care of emergency
18 traffic control work, Contracting Agency forces will perform this work on behalf of the
19 Contractor. If Contracting Agency forces provide emergency traffic control, the costs to the
20 Contracting Agency will be deducted from progress payments due the Contractor in
21 accordance with Section 1-10.1 of the Standard Specifications.

22
23 **1-10.2(1) General**

24 *(December 1, 2008 WSDOT GSP)*

25
26 Section 1-10.2(1) is supplemented with the following:

27
28 Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the
29 State of Washington. The Traffic Control Supervisor shall be certified by one of the
30 following:

31
32 The Northwest Laborers-Employers Training Trust
33 27055 Ohio Ave.
34 Kingston, WA 98346
35 (360) 297-3035

36
37 Evergreen Safety Council
38 401 Pontius Ave. N.
39 Seattle, WA 98109
40 1-800-521-0778 or
41 (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

(August 2, 2004 WSDOT GSP)

Lump Sum Bid for Project (No Unit Items)

Section 1-10.4(1) is supplemented with the following:

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

DIVISION 2
EARTHWORK

2-01 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 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

(February 4, 2008 R&E GSP)

Revise the fourth sentence to read:

"Unsold chips shall become the property of the Contractor and shall be removed from the project limits."

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

2-02.1 Description

(September 15, 2008 R&E GSP)

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(2) Removal of Bridges, Box Culverts, and other Drainage Structures

(August 4, 2009 R&E GSP)

Section 2-02.3(2) is supplemented with the following:

Removal of Structures

Where shown in the Plans, or at other locations as determined by the Engineer, the Contractor shall remove sanitary sewer structures regardless of the size or type. Each structure shall be removed in its entirety. Prior to backfilling the resultant void, the Contractor shall plug and abandon the existing pipe(s) with commercial concrete in accordance with Section 7-08.3(4).

Voids left by structure removal shall be backfilled and compacted in accordance with Section 2-03.3(14)C.

All materials removed shall become the property of the Contractor and shall be disposed of outside the project limits.

1 **2-02.3(3) Removal of Pavement, Sidewalks, Curbs and Gutters**

2 *(February 4, 2008 R&E GSP)*

3
4 Section 2-02.3(3) is supplemented with the following:

5
6 Delete Item 1. No on-site burial of pavement, sidewalks, curbs and gutters, is allowed.

7
8 Item 3 is supplemented with the following: "At locations where the existing asphalt concrete
9 is to remain, the horizontal sawcut line shall not vary more than 1/8 inch along the edge of a
10 10-foot straightedge placed on the surface parallel to the horizontal sawcut line."

11
12 **2-02.4 Measurement**

13 *(February 4, 2008 R&E GSP)*

14
15 Section 2-02.4 is supplemented with the following:

16
17 Removal of sanitary structures will be measured per each for each structure removed.

18
19 Saw-cut ACP will be measured by the linear foot-inch along the line and slope of the cut
20 prior to sawcutting and as staked by the Engineer. Saw-cut, if used for the pavement repair,
21 shall not be measured.

22
23 **2-02.5 Payment**

24 *(February 4, 2008 R&E GSP)*

25
26 Section 2-02.5 is supplemented with the following:

27
28 The lump sum contract price for "Removal of Structures and Obstructions" shall be full
29 compensation for all tools, equipment, materials, and labor to excavate and dispose of the
30 above materials, including Haul and disposal fees; transporting to and stacking the ecology
31 blocks. Removal of any structures and obstructions readily apparent by visual inspection
32 from the ground surface and not identified elsewhere will be considered incidental to this bid
33 item.

34
35 "Removing Sanitary Sewer Structures", per each.

36 The unit contract price per each for "Removing Sanitary Sewer Structures" shall be full pay
37 to perform the work as specified, including sawcutting and disposal.

38
39 The unit contract price per linear foot-inch for "Saw-cut ACP" as indicated on the Bid
40 Proposal shall be full compensation for all labor, including hand removal if required,
41 material, tools and equipment required to complete the Bid Items in accordance with Section
42 1-04.1.

1 **2-04 HAUL**

2
3 **2-04.4 Measurement**

4 *(February 5, 2008 R&E GSP)*

5
6 Section 2-04.4 is revised to read:

7
8 No specific unit of measurement shall apply. All costs involved for haul shall be incidental
9 to and included in the various bid items.

10
11 **2-04.5 Payment**

12 *(February 5, 2008 R&E GSP)*

13
14 Section 2-04.5 is deleted in its entirety.

15
16 **2-07 WATERING**

17
18 **2-07.4 Measurement**

19 *(September 15, 2008 R&E GSP)*

20
21 Section 2-07.4 is supplemented with the following:

22
23 The Contractor shall provide water distribution records including truck tickets and operator
24 time records if requested by the Engineer. The contractor will not be allowed to use City
25 water from fire hydrant without first renting a backflow preventer and meter from the City.
26 Use of City water must be pre-approved by the Public Works Department.

27
28 **2-09 STRUCTURE EXCAVATION**

29
30 **2-09.3 Construction Requirements**

31
32 Select excavated material, as approved by the Engineer, shall be used as backfill. If the
33 Engineer determines that native material is not suitable for trench backfill, import gravel
34 shall be used and payment shall be made per Section 4-02.5.

35
36 **2-09.3(4) Construction Requirements, Structure Excavation, Class B**

37 Section 2-09.3(4) is supplemented with the following:

38
39 All trenches shall be backfilled and completed by the end of the day. No payment shall be
40 made for backfill of native materials. Gravel base shall be used for backfill unless the
41 Engineer approves the use of native material.

1 **DIVISION 4**

2 **BASES**

3
4 **4-02 GRAVEL BASE**

5
6 **4-02.2 Materials**

7 *(February 5, 2008 R&E GSP)*

8
9 Section 4-02.2 is replaced with:

10
11 Material shall meet the requirements of Section 9-03.10 Gravel Base as modified. Refer to
12 revised Section 9-03.10 Aggregate for Gravel Base.

13
14 **4-02.4 Measurement**

15 *(February 5, 2008 R&E GSP)*

16
17 Section 4-02.4 is revised to read:

18
19 “Gravel Base” shall be measured by the ton.

20
21 **4-02.5 Payment**

22 *(February 5, 2008 R&E GSP)*

23
24 Section 4-02.5, delete the second paragraph and replace with the following:

25
26 “Gravel Base” per ton.

27
28 Section 4-02.5 is supplemented with the following:

29
30 Proof rolling of material at the direction of the Engineer will be considered incidental to this
31 bid item.

32
33 **4-04 BALLAST AND CRUSHED SURFACING**

34
35 **4-04.4 Measurement**

36 *(February 5, 2008 R&E GSP)*

37
38 Section 4-04.4 is revised as follows:

39
40 The second paragraph is revised to read:

41
42 “Crushed Surfacing Top Course”, shall be measured by the ton.

1 **4-04.5 Payment**
2 *(February 5, 2008 R&E GSP)*
3
4 Section 4-04.5, 1st item is revised as follows:
5
6 “Crushed Surfacing Top Course”, per ton.
7

1 **DIVISION 5**
2 **SURFACE TREATMENTS AND PAVEMENTS**

3
4 **5-04 HOT MIX ASPHALT**

5
6 **5-04.3 Construction Requirements**

7
8 *(February 25, 2008 R&E GSP)*

9 Section 5-04.3 is supplemented with the following:

10
11 All castings within paved areas shall be adjusted to finished grade after the final lift of paving
12 as shown on the plans and paid per Section 7-05.5.

13
14 *(April 4, 2012 R&E GSP)*

15 5-04.3(3)A Material Transfer Device/Vehicle

16 **Section 5-04.3(3)A is supplemented with the following:**

17
18 A material transfer device or vehicle (MTD/V) is not required for this project.

19
20 **5-04.3(5)A Preparation Of Existing Surfaces**

21 Section 5-04.3(5)A is supplemented with the following:

22
23 Tack coat shall be uniformly applied to cover the face of the gutter abutting the HMA with a
24 thin film of residual asphalt free of streaks and bare spots.

25
26 The Contractor shall limit the amount of tack coat placed to that amount that will be fully
27 covered by the asphalt overlay at the end of each work shift.

28
29 *(NWR February 9, 2004)*

30 The Contractor shall ensure that the asphalt for tack coat does not enter into State waters,
31 including wetlands.

32
33 In accordance with Section 1-07.15(1) **Spill Prevention, Control and Countermeasures**
34 **Plan** (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be
35 taken in the event that the paving operation is suspended or terminated prior to the asphalt for
36 tack coat being fully covered.

37
38 **5-04.3(5)C Crack Sealing**

39 *(February 25, 2008 R&E GSP)*

40
41 Section 5-04.3(5)C is supplemented with the following:

42
43 All joints shall be sealed with using Rubberized Asphalt meeting the requirement of section
44 9-04.10.

1 **5-04.3(7)A Mix Design**

2 *(March 10, 2010 APWA GSP)*

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

- 5
6 1. **General.** Prior to the production of HMA, the Contractor shall determine a design
7 aggregate structure and asphalt binder content in accordance with WSDOT Standard
8 Operating Procedure 732. Once the design aggregate structure and asphalt binder
9 content have been determined, the Contractor shall submit the HMA mix design on
10 DOT form 350-042 demonstrating the design meets the requirements of Sections 9-
11 03.8(2) and 9-03.8(6). HMA accepted by nonstatistical evaluation requires a mix
12 design verification. For HMA accepted by commercial evaluation only the first page of
13 DOT form 350-042 and the percent of asphalt binder is required. In no case shall the
14 paving begin before the determination of anti-strip requirements has been made. Anti-
15 strip requirements will be determined by:

- 16
17 a. Testing by WSDOT in accordance with TM 718.
18 b. Testing by Contractor in accordance with WSDOT TM 718.
19 c. Historical aggregate source anti-strip use provided by WDOT.
20

21 The mix design will be the initial Job Mix Formula (JMF) for the HMA being
22 produced. Any additional adjustments to the JMF will require the approval of the
23 Project Engineer and may be made per Section 9-03.8(7).
24

- 25 2. **Mix Design Verification.** Verification shall be accomplished by one of the following
26 processes:
27

- 28 a. Submit samples to WSDOT State Materials Lab for WSDOT verification
29 testing in accordance with WSDOT Standard Specifications.
30 b. The contracting agency will perform tests to verify the mix design in
31 accordance with the Field Verification Testing Process.
32 c. Reference a mix design that has been previously verified by the Field
33 Verification Testing Process or verified by WSDOT State Materials Lab
34 on a previous project.
35 d. Perform Field Verification Testing on a sample of HMA provided by the
36 Contractor prior to paving.
37

38 Mix design verification is valid for one year from the date of verification. At the discretion of
39 the Engineer, agencies may accept mix designs verified beyond the verification year with
40 certification from the Contractor that the materials and sources are the same as those shown
41 on the original mix design.
42

- 43 3. **Field Verification Testing Process.** The Contracting agency will collect three
44 Production Samples of HMA on the first day of paving per AASHTO T 168 sampling
45 procedures.

- 46 a. The Contracting agency will test one Production Sample in accordance

with section 5-04.3(8)A for field verification per the requirements of Section 9-03.8(7).

- b. If the test results from the first Production Sample are within the tolerances of section 9-03.8(7), the mix design will be considered verified and the test results will be used as acceptance sample number one.
- c. If the test results from the first Production Sample are outside the tolerances of section 9-03.8(7), the other two samples will be tested and the results of all three tests will be used for acceptance in accordance with Section 5-04.5(1) and will be used in the calculation of the CPF the maximum CPF shall be 1.00.

- 4. Prior to the first day of paving, six Ignition Furnace Calibration Samples shall be obtained to calibrate the Ignition Furnaces used for acceptance testing of the HMA. Calibration samples shall be provided by the Contractor when directed by the Engineer. Calibration samples shall be prepared in accordance with WSDOT SOP 728.

5-04.3(8)A1, General

(March 10, 2010 APWA GSP)

Delete these sections and replace them with the following:

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

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

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a contractor certification letter stating the material meets the HMA requirements defined in the contract.

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

(March 10, 2010 APWA GSP)

Delete this section and replace it with the following:

For the purpose of acceptance sampling and testing, a lot is defined as the total quantity of material or work produced for each job mix formula (JMF) placed. Only one lot per mix design will be expected to occur. The initial JMF is defined in Section 5-04.3(7)A Mix Design. The Contractor may request a change in the JMF in accordance with Section 9-03.8(7). If the request is approved, all of the material produced up to the time of the change will be evaluated on the basis of tests on samples taken from that material and a new lot will begin.

1 For proposal quantities less than 2500 tons sampling and testing for evaluation shall be
2 performed as described in 5-04.3(7)A, item 3, Field Verification Testing Process. The
3 verification sample referenced in item 3b may be used as an acceptance sample, additional
4 testing will be at the discretion of the Engineer. When using a previously verified mix
5 design, testing for volumetric properties may be waived at the engineer's discretion. At least
6 one acceptance sample is required when using this method of acceptance.

7
8 For proposal quantities greater than 2500 tons sampling and testing for evaluation shall be
9 performed as described in 5-04.3(7)A, item 3, Field Verification Testing Process, for the first
10 2500 tons of mix placed. The verification sample referenced in item 3b may be used as an
11 acceptance sample for the first 2500 tons of mix placed. Additional testing will be at the rate
12 of one sample per 800 tons of mix placed or as directed by the Engineer. When using a
13 previously verified mix design, testing for volumetric properties may be waived at the
14 engineer's discretion.

15
16 **5-04.3(8)A5, Test Results**
17 *(March 10, 2010 APWA GSP)*

18
19 Delete this section and replace it with the following:

20
21 The Engineer will furnish the Contractor with a copy of the results of all acceptance testing
22 performed in the field at the beginning of the next paving shift. The Engineer will also
23 provide the Composite Pay Factor (CPF) of the completed sublots after three sublots have
24 been produced. The CPF will be provided by the midpoint of the next paving shift after
25 sampling. Sublot sample test results (gradation and asphalt binder content) may be
26 challenged by the Contractor. For HMA mixture accepted by statistical evaluation with a mix
27 design that did not meet the verification tolerances, the test results in the test section
28 including the percent air voids (Va) may be challenged. To challenge test results, the
29 Contractor shall submit a written challenge within 7-calendar days after receipt of the
30 specific test results. A split of the original acceptance sample will be sent for testing to either
31 the Region Materials Laboratory or the State Materials Laboratory as determined by the
32 Project Engineer. The split of the sample with challenged results will not be tested with the
33 same equipment or by the same tester that ran the original acceptance test. The challenge
34 sample will be tested for a complete gradation analysis and for asphalt binder content. The
35 results of the challenge sample will be compared to the original results of the acceptance
36 sample test and evaluated according to the following criteria:

37
38 **Deviation**

39 U.S. No. 4 sieve and larger Percent passing ± 4.0

40 U.S. No. 8 sieve Percent passing ± 2.0

41 U.S. No. 200 sieve Percent passing ± 0.4

42 Asphalt binder Percent binder content ± 0.3

43 Va Percent Va ± 0.7
44

45 If the results of the challenge sample testing are within the allowable deviation established
46 above for each parameter, the acceptance sample test results will be used for acceptance of

the HMA. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of \$250 per challenge sample. If the results of the challenge sample testing are outside of any one parameter established above, the challenge sample will be used for acceptance of the HMA and the cost of testing will be the Contracting Agency's responsibility.

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

(March 10, 2010 APWA GSP)

Delete this section.

5-04.3(9) Spreading And Finishing

(February 25, 2008 R&E GSP)

Section 5-04.3(9) is supplemented with the following:

During grading operations, the elevation difference between the portion of the traveled way open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to allow cross traffic.

5-04.3(14) Planing Bituminous Pavement

(February 25, 2008 R&E GSP)

Section 5-04.3(14) is supplemented with the following:

Transverse Joints

Unless specifically directed by the Engineer, all connections to existing asphalt shall be by a vertical sawcut abutting the pavements together and heated prior to mat construction. All joints of new hot mix asphalt to an existing pavement shall be sealed with an appropriate asphalt joint sealer. The Contractor shall construct and maintain a temporary hot mix asphalt wedge in accordance with Section 5-04.3(12) across the entire width of the transverse edge when traffic is allowed prior to paving. The wedge shall be constructed before opening the lane to traffic. The Contractor shall remove the wedge immediately prior to paving.

Beveled Edge Planing

A beveled edge shall be constructed in areas with a planed depth of more than 0.20 foot that will not be paved during the same work shift.

The Contractor shall use a beveled cutter on the mandrel of the planing equipment, or other approved method(s), to eliminate the vertical edge(s). The beveled edge(s) shall be constructed at a 4:1 slope.

1 **5-04.5(1)A Price Adjustments for Quality of HMA Mixture**
2 *(March 10, 2010 APWA GSP)*

3
4 Delete the first paragraph and table and replaced them with the following:

5
6 Statistical analysis of quality of gradation and asphalt content will be performed based on
7 Section 1-06.2 using the following price adjustment factors:

8
9 **Table of Price Adjustment Factors**

Constituent	Factor "F"
All aggregate passing: 1 ½", 1", ¾", ½", 3/8" and No. 4 sieves	2
All aggregate passing No. 8	15
All aggregate passing No. 200 sieve	20
Asphalt binder	52

16
17 Delete items 1-3 in Paragraph two and replaced with the following:

18
19 A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class of HMA
20 and for the asphalt binder.

- 21
22 1. **Nonstatistical Evaluation.** Each lot of HMA produced under Nonstatistical Evaluation
23 and having all constituents falling within the tolerance limits of the job mix formula shall
24 be accepted at the unit contract price with no further evaluation. When one or more
25 constituents fall outside the nonstatistical acceptance tolerance limits in Section 9-
26 03.8(7), the lot shall be evaluated in accordance with Section 1-06.2 to determine the
27 appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the
28 CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup
29 samples of the existing sublots or samples from the street shall be tested to provide a
30 minimum of three sets of results for evaluation.
31 2. **Commercial Evaluation.** If sampled and tested, HMA produced under Commercial
32 Evaluation and having all constituents falling within the tolerance limits of the job mix
33 formula shall be accepted at the unit contract price with no further evaluation. When one
34 or more constituents fall outside the commercial acceptance tolerance limits in Section 9-
35 03.8(7), the lot shall be evaluated to determine the appropriate CPF. The commercial
36 tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be
37 1.00. When less than three sublots exist, backup samples of the existing sublots or
38 samples from the street shall be tested to provide a minimum of three sets of results for
39 evaluation.

40
41 For each lot of HMA produced under Nonstatistical or Commercial Evaluation when the
42 calculated CPF is less than 1.00, a Nonconforming Mix factor (NCMF) will be determined. The
43 NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job
44 Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity
45 of HMA in the lot in tons, and the unit contract price per ton of the mix.

1 If a constituent is not measured in accordance with these Specifications, its individual pay factor
2 will be considered 1.00 in calculating the composite pay factor.
3

4 **5-04.5 Payment**

5

6 **5-04.5(1)B Price Adjustments for Quality of HMA Compaction** 7 *(March 10, 2010 APWA GSP)* 8

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

11 The maximum CPF of a compaction lot is 1.00
12

13 For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming
14 Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic
15 difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment
16 will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and
17 the unit contract price per ton of the mix.
18

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-05 MANHOLES, INLETS, AND CATCH BASINS

7-05.1 Description

Section 7-05.1 is supplemented with the following:

This item also includes frames and grates in designated areas. Thru-curb inlet frame and grate shall be used at locations with 6 inch high cement concrete traffic curb and gutter as noted on the Plans. The adjusting of any new storm drain catch basin frame, manhole ring and cover, for the purpose of matching new finish grades shall be incidental to the cost of installation. Existing manholes, inlets, and catchbasins within the Project boundary which are nearest to the point of connection into the storm drain system and other manholes, inlets, and catchbasins which are impacted by construction activities will be cleaned by the Contractor. This work is incidental to the various bid items in this Section.

7-05.2 Materials

Section 7-05.3 is supplemented with the following:

Sanitary Sewer Manhole Covers

“Never-Seez Anti-Seize & Lubricating Compound” shall be applied to all lock down bolts prior to installation. “Never-Seez Anti-Seize & Lubricating Compound” application shall be in accordance with manufacturer’s recommendations. This work is incidental to the various bid items.

7-05.3 Construction Requirements

Section 7-05.3 is supplemented with the following:

Sanitary Sewer Manholes

Where necessary to complete the removal of existing sanitary sewer pipe for the installation of new sanitary sewer manhole, the Contractor shall pump existing sanitary sewer flows around the area of work and/or pump directly into tanker trucks. The required time of pumping shall be sufficient to allow the work to be completed for each manhole.

Pumps used for the temporary diversion of sanitary sewer flows shall be capable of passing solids and other materials typically found in wastewater flows.

The Contractor shall give a minimum of one week notice to the Contracting Agency prior to the planned installation of sanitary sewer manhole. At the time of notice, the Contractor shall provide a Sanitary Sewer Pump Around Plan for review and approval by the Contracting Agency.

The Sanitary Sewer Pump Around Plan shall show method of removing the existing sanitary sewer pipe, proposed materials for the sanitary sewer pipe removal, and the sequence of

1 demolition and removal. The plan shall detail the containment, collection, and disposal of all
2 debris. The Contractor shall not begin removal operations until receiving the Engineer's
3 approval of the Sanitary Sewer Pump Around Plan.
4

5 The Contractor may at their option choose to make the connection at night. If night work is
6 elected, the Contractor shall be responsible for all necessary lighting, extra equipment and
7 personnel needed to complete the work. The Contractor shall be responsible for all overtime
8 pay for employees as a result of night work. The Contractor is cautioned that City of
9 Ferndale employees are not on duty for night work. Should City of Ferndale employees be
10 needed to aid in the night work, the Contractor will be billed overtime rates by the
11 Contracting Agency per hour for City employees.
12

13 According to available information, the highest expected flows at the location where the
14 sanitary MH1 (STA 3+26.71) is to be installed is approximately **1.67 cubic feet per second**
15 **for the 15" SS main north and south of MH1 and approximately 0.04 cubic feet per**
16 **second for the 6" SS main west of MH1.** Typical flow rates will vary. At each location
17 where pumping is required, at least two pumps shall be supplied, both individually capable of
18 pumping the necessary flows the required distances and against the required elevation head.
19 One shall be designated as the primary pump, and the second shall be a back-up pump.
20

21 Tanker trucks shall empty their loads back into the City of Ferndale's wastewater collection
22 system at a sanitary sewer manhole on Golden Eagle Drive located 100 feet south of the
23 intersection of Cottage Place and Golden Eagle Drive.
24

25 Should the Contractor elect to pump from an existing sanitary sewer manhole to a sanitary
26 sewer manhole downstream, the elevation differences and distances between the sanitary
27 sewer manholes shall be addressed in the Sanitary Sewer Pump Around Plan. The Contractor
28 shall confirm this distance and elevation difference in the field and size the pumps
29 accordingly.
30

31 The Contractor shall designate a person to oversee the pumps during their operation. This
32 person shall be on site at all times while the pump around is occurring and shall continually
33 monitor the pump operation. The individual shall be familiar with the operation of the
34 pumps and shall be capable switching between pumps if necessary, refueling the pumps, etc.
35

36 The Contractor shall take all necessary precautions to prevent an uncontrolled spill of
37 untreated wastewater.
38

39 Roadway must remain open to the passage of traffic during all pumping operations.
40
41

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

2 *(February 5, 2008 R&E GSP)*

3
4 Section 7-05.3(1), paragraph 1 is revised to read:

5
6 Where shown in the Plans or where directed by the Engineer, the existing manholes, catch
7 basins, inlets, water valve boxes, or water meter boxes shall be adjusted to the grade as
8 staked or otherwise designated by the Engineer.

9
10 **7-05.4 Measurement**

11 *(July 12, 2010 R&E GSP)*

12
13 Section 7-05.4 is supplemented with the following:

14
15 Measurement for the various inlets, manholes, vaults, and catch basins as indicated in the
16 Bid Proposal, shall be per each. The following items shall be incidental and included in the
17 unit price per each:

- 18
19 1. Dewatering if required
20 2. Gaskets, fittings, inlets, frames and grates
21 3. Bedding
22 4. Compaction
23 5. Connection to existing culverts, structures and drain lines
24 6. Sanitary Sewer Pump Around Plan
25 7. Other work and materials, not specifically identified as being paid elsewhere
26 8. Temporary pumping and transportation of sewer flows, including pumps and
27 trucks.

28
29 No specific unit of measure shall apply for the item "Adjustments to Finished Grade."

30
31 Measurement for "Hot Mix Asphalt" required for Adjustments to Finished Grades shall be
32 per ton in accordance with Section 5-04.

33
34 **7-05.5 Payment**

35 *(July 12, 2010 R&E GSP)*

36
37 Section 7-05.5 is supplemented with the following:

38 "Adjustments to Finished Grade", lump sum.

39 The lump sum price for "Adjustments to Finished Grade" as indicated in the Bid Proposal
40 Form shall be full compensation for all labor, tools, equipment, and materials necessary to
41 adjust existing structures to finished grades within the project limits.

42
43 Payment for "Hot Mix Asphalt" required for Adjustments to Finished Grades shall be
44 incidental to this item of work.

7-08 GENERAL PIPE INSTALLATION REQUIREMENTS

7-08.2 Materials

Section 7-08.2 is supplemented with the following:

All trenches within or beneath the roadbed prism shall be backfilled with suitable native material as approved by the Engineer. If suitable native material is unavailable, trenches shall be backfilled with Gravel Base in accordance with Section 4-02.

Detectable marking tape shall be specifically manufactured for marking and locating underground utilities. Tape shall be solid aluminum foil, visible on the up-printed side, encased in protective high visibility, inert polyethylene plastic jacket, six inches minimum width. Aluminum foil thickness shall be 0.35 mils minimum or thicker if necessary to enable detection from the ground surface by a metal detector when the tape is buried at a depth of 3 feet. Laminate thickness shall be 5 mils minimum. Tape shall have permanent black lettering minimum 1 inch high printed contiguously the entire length of the tape identifying the facility (SEWER, for example). Color shall be in accordance with APWA Uniform Color Code for Temporary Marking of Underground Facilities and in ANSI Z535.1, Safety Color Code. Clips for joining sections of tape shall be tin or nickel-coated and furnished by the tape manufacturer. Tape shall be Terra Tape, Sentry Line Detectable as manufactured by Reef Industries, Detectable tape as manufactured by Mutual Industries, or Detectable Tape as manufactured by Presco.

7-08.3 Construction Requirements

Section 7-08.3 is supplemented by the following:

Roadway must remain open to the passage of traffic during the pipe installation.

7-08.3(2)G Jointing of Dissimilar Pipe

Section 7-08.3(2)G is supplemented with the following:

Existing storm drains shall be jointed to proposed CPDP by use of factory-fabricated adapter couplings or a pipe collar or as shown in the Plans. The Contractor shall cut existing storm drains. The Contractor shall remove the portions of the storm drain to provide for the installation of the required fitting at the point of connection. All damage caused by the Contractor's operation to existing storm drains to remain in place shall be repaired by the Contractor at no expense to the Contracting Agency. The Contractor shall determine the exact length of the existing storm drains that must be removed.

1 **7-08.5 Payment**

2 The fifth paragraph of this section is revised to read:

3
4 Plugging pipes shall be incidental to the various bid items.

5
6 *(July 12, 2010 R&E GSP)*

7 Section 7-08.5 is supplemented with the following:

8
9 “Removal of Unsuitable Material Including Haul”, per cubic yard.

10 The unit contract price per cubic yard for “Removal of Unsuitable Material Including Haul”
11 shall be full pay for all work to remove unsuitable material, haul and disposal of unsuitable
12 material, as specified in Section 7-08.3(1)A.

13
14 Payment for “Quarry Spalls” required for trenches as shown on the Plans shall be per ton.

15
16 **7-09 WATER MAINS**

17
18 **7-09.1 Description**

19 Section 7-09.1 is supplemented with the following:

20
21 Suitable native materials shall be used for trench backfill with approval from or at the
22 direction of the Engineer. Unsuitable native material shall become the property of the
23 contractor for disposal. Excess suitable native material shall be embanked according to the
24 plans and specifications.

25
26 All thrust blocks shall be installed per details shown on the plans and inspected by the
27 Engineer prior to backfilling. All bends shall include a thrust block per the details or as
28 indicated on the Plans. Thrust blocks may be substituted with restrained joints at the
29 discretion of the Contractor. The Contractor shall submit detailed sketches and plans of the
30 proposed restrained joints to the Engineer not less than one week prior to the expected
31 construction. The costs for thrust blocks or restrained joints shall be incidental to other items
32 of work. No additional payment shall be made should the Contractor choose to substitute
33 restrained joints for thrust blocks

34
35 **7-09.2 Materials**

36 Section 7-09.2 is supplemented with the following:

37
38 Ductile Iron Pipe shall be in accordance with Section 9-30.1(1) for Ductile Iron Pipe.

39
40 Fittings shall be ductile iron and shall meet the requirements of AWWA C110-71 and
41 AWWA C104-71. Joints shall meet the requirements of C111. Fittings shall be cement
42 mortar lined meeting the requirements of AWWA C104-71.

1 **7-09.3(5) Grade and Alignment**

2 Section 7-09.3(5) is supplemented with the following:

3
4 Finished grade is the proposed ground elevation unless otherwise staked by the Engineer or
5 Surveyor. Pipes installed, which do not meet minimum cover requirements, shall be replaced
6 at the Contractor's expense. Minimum cover over waterlines shall be 3-feet, except for
7 where specifically noted on the plans.
8

9 **7-09.3(7)A Dewatering of Trench**

10 Section 7-09.3(7)A is supplemented with the following:

11
12 If the Contractor fails to adequately dewater the trench and prevent water or other materials
13 from entering the pipe, the Contractor shall at their expense thoroughly clean the line per
14 section 7-09.3(24)A, prior to disinfecting the main. Dewatering trenches is incidental to the
15 cost of pipe installation.
16

17 **7-09.3(8) Removal and Replacement of Unsuitable Materials**

18 Section 7-09.3(8) is supplemented with the following:

19
20 Unsuitable material consists of excavated silt, clay, and organic material and in-situ materials
21 which provide less than 1500 psf bearing capacity (as determined by a penetrometer test by
22 the Engineer) shall be excavated and replaced with select backfill or ballast at the direction of
23 the Engineer. All unsuitable material shall be removed from the site and hauled to a
24 permitted, Contractor provided disposal site in accordance with Section 2-03.3(7)C.
25

26 **7-09.3(10) Backfilling Trenches**

27 Section 7-09.3(10) is supplemented with the following:

28
29 Native backfill containing organics, un-compactable or deleterious materials are considered
30 unsuitable. Driveways must be filled and compacted as required for driveway and pavement
31 repair in accordance with the Plans. Where the Engineer determines that the native material
32 is not suitable for backfill, the Contractor shall provide imported trench backfill material in
33 accordance with Section 9-03.10 as modified. No additional payment shall be made for
34 placement or compaction in the trench. Excess native materials after trench backfill shall be
35 embanked in accordance with the plans and specs. Payment of imported backfill is per ton
36 per Section 4-02. When water mains are installed within the roadway prism, trench backfill
37 shall include the minimum structural section for the roadway. Detectable marking tape shall
38 be installed over the water main.
39

40 **7-09.3(11) Compaction of Backfill**

41 Section 7-09.3(11) is supplemented with the following:

42
43 Trenches which are located outside the roadway may be backfilled with native material upon
44 approval of the Engineer, and compacted to 85% of maximum density as specified in Section
45 2-03.3(14)D. All other trenches shall be compacted to 95% of the maximum dry density.
46 Compaction of native or imported backfill shall be incidental to other items of work.

1
2 **7-09.3(19)A Connections to Existing Mains**

3 Section 7-09.3(19)A is supplemented with the following:
4

5 Connection to existing mains is the full responsibility of the Contractor. Temporary routing
6 of existing pipelines or services, shoring, temporary thrust blocks, extra fittings required to
7 route the pipe over or under existing or new pipe or other utilities and all other work and
8 materials required for making complete, permanent and workable connections are incidental
9 to other items of work.
10

11 The Contractor shall be responsible for determining which residents will be affected by
12 shutoffs, and will notify them 24 hours in advance. The Contractor shall notify private
13 property owners, or tenants, by having a representative of the Contractor personally contact
14 the private property owner or tenant. If the property owner or tenant is not available, the
15 Contractor shall leave a door hanger notice indicating the commencement date of work,
16 duration of work, the type of work being done, and the Contractor's and Engineer's phone
17 number and address for questions and concerns. The Engineer shall be provided adequate
18 time to review, comment, and approve the door hanger notice prior to the Contractor placing
19 any notices.
20

21 The Contractor shall locate and verify the type of pipe, size, and depth prior to making the
22 connection. Detailed sketches and plans of the connection proposed by the Contractor shall
23 be given to the Engineer not less than one week prior to the expected construction. The City
24 of Ferndale shall be notified not less than two (2) working days prior to connection to
25 existing mains.
26

27 **7-09.3(24) Disinfection of Water Mains**

28 Section 7-09.3(24) is supplemented with the following:
29

30 The liquid chlorine injection method described below or approved alternate method shall be
31 used. Hypochlorite granules (65%) shall be mixed with water and injected into the main to
32 acquire a minimum of 50 mg/l of chlorine in the main. A typical method is as follows: The
33 chlorine solution is mixed in a container (new, clean garbage can) and fed into the new water
34 main using a pressurizing pump. The injection is made at a corporation stop or similar fitting
35 at the fill point of water from the existing City of Ferndale main. Filling and injection rates
36 shall be reviewed by the Engineer prior to disinfection. Chlorine content at the beginning
37 and end of each required 24-hour disinfection period, and prior to bacteriological testing shall
38 be sampled by the Engineer. The cost for the first sequence of sampling and lab testing shall
39 be paid for by the City of Ferndale. Subsequent testing and inspection shall be paid by the
40 Contractor. The Engineer shall be notified 24 hours prior to conducting disinfecting and
41 flushing operations.
42

43 **7-09.3(24)A Flushing**

44 Section 7-09.3(24)A is supplemented with the following:
45

46 Water for flushing mains may be taken from a direct connection to existing mains providing

1 an approved backflow device is utilized. Velocity for testing must equal or exceed 2.5 fps.
2 The connection must be capable of passing at least 400 gallons per minute (gpm) for flushing
3 8-inch diameter mains.
4

5 The Contractor shall be responsible for disposal of treated water flushed from mains and
6 shall neutralize the waste water before disposal. An adequate amount of reducing agent shall
7 be applied to water being disposed of in order to thoroughly neutralize the chlorine residual
8 remaining in the water per AWWA Standard Section C651.
9

10 **7-09.3(24)N Final Flushing and Testing**

11 *(July 12, 2010 R&E GSP)*

12 Section 7-09.3(24)N is supplemented with the following:
13

14 Upon completion of final flushing, the main shall be filled with water and allowed to remain
15 filled for 24 hours. The Engineer shall obtain a sample at the end of this 24-hour period. A
16 satisfactory report shall be received before placing the lines into service.
17

18 **7-09.3(24)O Repetition of Flushing and Testing**

19 Section 7-09.3(24)O is supplemented with the following:
20

21 The City shall furnish water for the initial flushing and testing process. In the event
22 additional water is needed for flushing or testing, the Contractor shall connect a meter and
23 pay the City for actual water used, at the commercial rate. The Contractor will pay for
24 additional bacteriological testing required because of failed samples. The Contractor will be
25 responsible for all cost associated with re-testing, including laboratory fees, and inspection.
26

27 **7-09.4 Measurement**

28 Section 7-09.4 is supplemented with the following:
29

30 Measurement for connect to existing watermain shall be measured per each connection
31 completed.
32

33 No measurement shall be made for marking tape. Marking tape shall be considered
34 incidental to the work of constructing the water main.
35

36 No measurement shall be made for clearing and grubbing, removal of existing street
37 improvements, removal of the abandoned watermain, removal of existing valve boxes,
38 protection of existing utilities and service, trench excavation and pipe zone backfill, pipe
39 zone bedding, thrust blocks, and compaction of backfill.
40

41 **7-09.5 Payment**

42
43 Section 7-09.5 is supplemented with the following:
44

45 "Connect to Existing Watermain ___" Diam.", per each.

46 The unit contract price bid per each "Connect to Existing Watermain" shall be full

1 compensation for all work to connect to the existing mains, including but not limited to
2 excavating, removing existing fittings and thrust blocks, backfilling, laying and jointing pipe,
3 pipe and fittings, and cover and cleanup."
4

5 "Testing Water Main" shall be paid per lump sum of completed installation actually tested
6 and shall be full pay for all labor, material and equipment required to conduct the required
7 tests.
8

9 **7-12 VALVES FOR WATER MAINS**

10 **7-12.1 Description**

11 Section 7-12.1 is supplemented with the following:
12
13

14 All valves shall be thrust blocked per the detail shown on the plans. All valve boxes shall be
15 new and a uniform type.
16

17 **7-12.2 Materials**

18 Section 7-12.2 is supplemented with the following:
19

20 Valves shall meet the requirements of AWWA C509 or C-515 and shall be iron body,
21 bronze-mounted, with resilient seated wedge device and O-ring stuffing box. All valves shall
22 be provided with a valve box conforming to Section 9-30.3(4) and 9-30.3(6) and valves
23 outside of the pavement section shall be encased in concrete and furnished with a concrete
24 valve marker conforming to Section 9-30.3(5).
25

26 Valve stem extensions will be required on operating nuts located 4 feet below grade per
27 section 9-30.3(6). Extensions shall be incidental to gate valves.
28

29 The following new Section is added:
30

31 **7-12.3(2) Adjustments to Finished Grade**

32
33 Existing valve boxes, which are to remain, shall be adjusted to finished grade. This work
34 shall be included in the bid item "Adjustments to Finished Grade."
35

36 **7-14 HYDRANTS**

37 **7-14.2 Materials**

38 Section 7-12.1 is supplemented with the following:
39
40

41 The City of Ferndale will provide contractor with a fire hydrant barrel, 6" ductile iron pipe
42 riser section and 6" ductile iron 90° bend. Contractor to provide all other materials necessary
43 for construction and installation of hydrant assembly.
44

45 **7-14.5 Payment**

46 Section 7-14.5 is supplemented with the following:

The unit Contract price per each for “Hydrant Assembly” shall not include costs associated with procuring and furnishing hydrant barrel, 6” ductile iron pipe riser section and 6” ductile iron 90° bend but shall be full pay for all work to install hydrant assembly, including all costs for furnishing and installing auxiliary gate valve, shackles, tie rods and all other requirements for completing the hydrant assembly installation.

7-17 SANITARY SEWERS

7-17.3 Construction Requirements

7-17.3(1) Protection of Existing Sewerage Facilities

(June 10, 2009 R&E GSP)

Section 7-17.3(1) is supplemented with the following:

If the connection to the existing system involves sewer service disruption, the Contractor shall be responsible for notifying the residents and utility owner affected by the shutoff. The Engineer will advise which parties are to be notified.

The Contractor may be required to perform the connection during times other than normal working hours. The types of connections for the sewer main are varied. For the installation of these connections, the surfaced portion of the roadway shall not be penetrated unless the connection point is directly under it.

Maintaining Service

Where existing services are to be transferred from old to new sewer mains, the Contractor shall plan and coordinate its work with that of the Utility so that service will be resumed with the least possible inconvenience to customers.

Measurement

Section 7-17.4 is supplemented with the following:

Measurement for Sanitary Sewer Pipe, as indicated on the Bid Proposal, shall be per linear foot. The following items shall be incidental and included in the unit price per linear foot:

1. Dewatering if required
2. Detectable marking tape
3. Pipe bedding as shown on the Plans
4. Compaction
5. Installation of sanitary sewer pipe
6. Coupling bands, fittings, and associated gaskets
7. Connection to existing structures
8. Other work and materials, not specifically identified as being paid elsewhere

Payment

Section 7-17.5 is supplemented with the following:

1 The unit Contract price per linear foot for sewer pipe of the kind and size specified shall be
2 full pay for connections to existing mains.

3 4 **7-18 SIDE SEWERS**

5 6 **7-18.1 Description**

7 Section 7-18.1 is supplemented with the following:

8
9 Realignment and repair of the existing sanitary sewer services may be necessary to connect
10 to new sanitary sewer main.

11 12 **7-18.3(1) General**

13
14 Connections to the existing sewer main shall not be made without first making the necessary
15 scheduling arrangements with the Engineer in advance. Work shall not be started until all the
16 materials, equipment, and labor necessary to properly complete the work are assembled on
17 the site.

18
19 Existing side sewers shall be cut by the Contractor, unless otherwise specified in the Special
20 Conditions. The Contractor shall remove the portions of pipe to provide for the installation
21 of the required fittings at the points of connection. Damage caused by the Contractor's
22 operations to existing joints in piping to remain in-service shall be repaired by the Contractor
23 at no additional expense to the Contracting Agency.

24
25 Once work is started on a side sewer, it shall proceed continuously without interruption and
26 as rapidly as possible until completed. No shutoff will be permitted overnight, over
27 weekends, or on holidays.

28
29 If the connection to the existing side sewer system involves turning off the side sewer, the
30 Contractor shall be responsible for notifying the residents affected by the shutoff. The
31 Engineer will advise which property owners are to be notified.

32
33 The Contractor may be required to perform the connection during times other than normal
34 working hours.

35
36 The types of connections for the side sewers are varied. For the installation of these side
37 sewers, the surfaced portion of the roadway shall not be penetrated unless the connection
38 point is directly under it.

39
40 Contractor shall remove existing cleanout at the west end of Cottage Place at least two days
41 prior to placing new sanitary sewer and structures. City will camera existing sanitary main to
42 verify and mark side sewer locations. Contractor shall confirm side sewer locations as the
43 new main is installed. New side sewers shall be installed from the new main to the Right of
44 Way.

1 **7-18.4 Measurement**

2 Section 7-18.4 is supplemented with the following:

3
4 Excavating the existing sanitary main and coordinating the camera of the sanitary main shall
5 not be measured and shall be considered incidental to the various bid items.

6
7 **7-18.5 Payment**

8
9 Section 7-18.5 is supplemented with the following:

10
11 Potholing required to determine the connection point at the right of way shall be paid under
12 the bid item “Pothole Existing Underground Utility.”
13

1 **DIVISION 8**

2 **MISCELLANEOUS CONSTRUCTION**

3
4 **8-01 EROSION CONTROL AND WATER POLLUTION CONROL**

5
6 **8-01.4 Measurement**

7 Section 8-01.4 is supplemented with the following:

8
9 No specific unit of measure shall apply to the lump sum item “ESC Lead.”

10
11 **8-01.5 Payment**

12 The first item, “ESC Lead”, of Section 8-01.5 is revised to read:

13
14 “ESC Lead”, lump sum.

15
16 The sixth item, “Inlet Protection” of Section 8-01.5 is revised to read:

17
18 “Inlet Protection”, per each. The unit contract price per each for inlet protection shall include
19 all costs for removal and disposal of accumulated debris, inlet protection maintenance, and
20 inlet protection removal and disposal.

21
22 **8-02 ROADSIDE RESTORATION**

23
24 **8-02.1 Description**

25 Section 8-02.1 is supplemented with the following:

26
27 Furnish all labor, materials and equipment necessary for installation of planting and
28 installation of topsoil and soil amendments, including but not limited to the preparation of the
29 ground surface, installation of soil amendments, application of fertilizer, installation of seed,
30 and chemicals as necessary in areas shown on the Plans, as specified in this document, or as
31 directed by the Engineer in accordance with these specifications.

32
33 The extent and location of seeding work includes all areas in this project, except new plant
34 beds and paved areas, which are disturbed by construction, grading, pavement removal,
35 utility installation and any other of the Contractor’s operations or as directed by the Engineer
36 in accordance with these specifications.

37
38 The Contractor shall provide 48 hours notice to the Engineer when an inspection is desired.
39
40

1 **8-02.3 Construction Requirements**

2
3 **8-02.3(4) Topsoil**

4 *(March 18, 2010 R&E GSP)*

5 Section 8-02.3, revise the 1st sentence of this Section to read:

6
7 Topsoil shall be evenly spread over the specified areas to a depth of four (4) inches or as
8 otherwise directed by the Engineer. The soil shall be cultivated to a depth of 6 inches. After
9 the topsoil has been spread, all large clods, hard lumps, and rocks 3 inches in diameter and
10 larger, and litter shall be raked up, removed, and disposed of by the Contractor. The area
11 shall then be rolled with a landscape roller in at least 1 direction at a velocity not to exceed 2
12 feet per second. Spread topsoil after subgrade preparation is complete. Topsoil shall not be
13 placed when the ground or topsoil is frozen, inundated with water, or in a condition
14 detrimental to the Work.

15
16 **8-02.3(4)A Topsoil Type A**

17 *(April 21, 2010 R&E GSP)*

18 Section 8-02.3(4)A is supplemented with the following:

19
20 Topsoil Type A shall be used for seeded lawn installation.

21
22 **8-02.3(11) Bark or Wood Chip Mulch**

23 Section 8-02.3(11) is supplemented with the following:

24
25 Wood Cellulose mulch shall be applied at a rate of 2,000 pounds per acre. To improve
26 germination of seeds, this rate may be increased with approval by the Engineer.

27
28 **8-02.3(16) Lawn Installation**

29 *(April 22, 2010 R&E GSP)*

30 Section 8-02.3(16) is supplemented with the following:

31
32 The Contractor shall perform lawn installation in accordance with the following:
33 Immediately prior to seeded lawn installation, a nominal four (4) inch depth of "Topsoil Type
34 A" shall be placed in the areas requiring seeded lawn installation or as directed by the
35 Engineer. Peat moss mulch shall be applied to a depth of 1/4 inch over newly seeded lawn
36 area. The area shall then be rolled with a landscape roller in at least 1 direction at a velocity
37 not to exceed 2 feet per second. Alternatively, a seed of fabric mulch mat shall be installed
38 as approved by the Engineer.

39
40 "Seeded Lawn Installation" will be paid where construction, filling excavation, and grading
41 have disturbed unimproved areas. This will generally consist of areas behind the sidewalk
42 where no established lawns or landscaping currently exist. "Seeded Lawn Installation" shall
43 be placed on all exposed soil disturbed by construction or any area directed by Engineer.
44 "Seeded Lawn Installation" shall also be placed on all fill and cut areas outside roadway
45 surface width, within the project limits.

1 The intent of seeding is to produce viable roadside vegetation toward the end of preventing
2 erosion. If seeding has not germinated satisfactorily at the time of final acceptance, this
3 work will be considered defective according to Section 1-05.7 of the Standard
4 Specifications. The Engineer may require the Contractor to post security equal to 200% of
5 the amount bid for seeding in order to secure performance of this germination specification.
6 This security shall be in a form acceptable to the City and may be required prior to release
7 of retainage of this project. Said security shall not be released until satisfactory germination
8 has occurred. Any erosion, which in the opinion of the Engineer, occurs directly as a result
9 of insufficient seed germination shall be repaired by the Contractor at no additional expense
10 to the City. Any such repairs shall be completed prior to project acceptance or release of
11 security as identified herein. Satisfactory germination is defined as a minimum of 300 stems
12 per square foot. Any area in which two consecutive one square foot plots sampled fall
13 below this standard will be considered defective and shall be corrected by the Contractor.
14

15 The dates for seeding outlined in Section 8-02.3(16)A of the Standard Specifications will be
16 considered guidelines rather than requirements for this item. The Contractor shall use
17 professional judgment and consider factors such as weather and soil moisture to obtain
18 satisfactory germination."
19

20 Immediately after hydroseeding, the Contractor shall remove hydroseed overspray from all
21 features other than the intended seeding area."
22

23 **Binding Agents**

24

25 Tacking agents and soil binders shall be provided in accordance with Section 8-01.3(2)E.
26

27 **8-02.4 Measurement**

28 *(February 7, 2008 R&E GSP)*

29 Section 8-02.4, is supplemented with the following:
30

31 No separate measurement will be made for topsoil, composted mulch, water and fertilizer,
32 and binding agent, where applied for "Seeded Lawn Installation".
33

34 *(March 18, 2010 R&E GSP)*

35 Section 8-02.4, is supplemented with the following:
36

37 Work performed under the item "Landscape Restoration" shall be measured in accordance
38 with Section 1-09.6 Force Account.
39
40

1 **8-02.5 Payment**

2 *(February 7, 2008 R&E GSP)*

3 Section 8-02.5 is supplemented with the following:

4
5 The unit contract price per square yard for "Seeded Lawn Installation" shall be full
6 compensation for all labor, materials (topsoil, fertilizer, mulch, soil amendments, binding
7 agents, and water), tools and equipment necessary to perform the work as specified herein.
8 All other items in this Section, not specified on the Bid Proposal form shall be included in the
9 cost of "Seeded Lawn Installation". The unit price shall be full compensation for multiple
10 applications in areas required by the Engineer as the work progresses.

11
12 Payment for "Landscape Restoration" shall be on a force account basis as per Section 1-09.
13 For the purpose of providing a common proposal for all bidders, and for that purpose only,
14 the Contracting Agency has established the amount of force account for this item and has
15 entered the amount in the bid proposal to become a part of the total bid by the Contractor.

16
17 **8-22 PAVEMENT MARKING**

18
19 **8-22.1 Description**

20 Section 8-22.1 is supplemented with the following:

21
22 Also included in this item is the complete removal of existing and temporary pavement
23 markings that will conflict with the new channelization. This work shall be incidental to the
24 various bid items of the Contract, and no additional compensation will be made.

25
26 **8-22.2 Materials**

27 Section 8-22.2 is supplemented with the following:

28
29 In accordance with Section 8-22.2 of the Standard Specifications, the plastic material used
30 to form pavement markings shall be Type A – liquid hot applied thermoplastic.

31
32 **8-22.3 Construction Requirements**

33 *(February 11, 2008 R&E GSP)*

34
35 Section 8-22.3 is supplemented with the following:

36
37 Pavement markings shall be applied with appropriate templates to avoid non-uniform edges
38 and unwanted drippings. Any such non-conforming pavement markings will be removed and
39 replaced at the Contractors expense.

40
41 **8-22.3(1) Preliminary Spotting**

42 Section 8-22.3(1) is supplemented with the following:

43
44 The Contractor shall notify the Engineer three (3) working days in advance of scheduled
45 preliminary spotting.

1 The following new Section is created:
2

3 **8-30 POTHOLE EXISTING UNDERGROUND UTILITY** 4

5 **8-30.1 Description** 6

7 When directed by the Engineer or shown on the Plans, this work shall consist of potholing
8 existing underground utilities. The Contractor shall perform utility investigations or
9 coordinate with utility companies as required. At the direction of the Engineer, the
10 Contractor shall perform exploratory excavations or provide hand potholing as required to
11 collect as-built utility information. The Contractor shall verify the depth and location of
12 existing underground utilities. The Contractor shall immediately notify the Engineer if field
13 conditions differ from that shown on the Plans. The Contractor shall give the owner advance
14 notice of four (4) working days, prior to conducting such investigations.
15

16 **8-30.4 Measurement** 17

18 Measurement for potholing existing underground utilities will be by the unit for each
19 pothole.
20

21 **8-30.5 Payment**

22 Payment will be made in accordance with Section 1-04.1, for the following bid items:
23

24 “Pothole Existing Underground Utility”, per each.

25 The unit contract price per each for “Pothole Existing Underground Utility” shall be full
26 compensation for all equipment, labor, and materials to locate the existing utility, verify the
27 utilities’ vertical and horizontal location, and restoring the disturbed area.
28
29

1 The following new Section is created:

2 3 **8-31 REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES**

4 5 **8-31.1 Description**

6
7 This work shall consist of the repair of existing public and private facilities, and the
8 correction, repair, removal, or construction of items as directed by the Engineer. This shall
9 not exempt the contractor from protecting known existing facilities, or from the
10 responsibility for repair of such known existing facilities.
11

12 **8-31.3 Construction Requirements**

13
14 The contractor shall obtain written or verbal approval from the Engineer, prior to proceeding
15 with any repair of existing or private facilities. Work performed without approval from the
16 Engineer will not be compensated.
17

18 The Contractor and the Contracting Agencies' representative or Engineer shall reconcile the
19 hours of work for labor and equipment on a daily basis for the purpose of tracking all work
20 under this item. The Contractor shall supply the Engineer with material invoices for all
21 materials incorporated into this work in a timely manner. Invoices shall be original or copies
22 of original invoices from the material supplier.
23

24 **8-31.4 Measurement**

25
26 Work performed under the item "Repair Existing Public and Private Facilities" shall be
27 measured in accordance with Section 1-09.6 Force Account.
28

29 **8-31.5 Payment**

30
31 Payment for the item "Repair Existing Public and Private Facilities" shall be full
32 compensation for all labor, tools, equipment, materials and subcontractor work needed to
33 complete individual items of work as directed by the engineer. This item shall be paid in
34 accordance with Section 1-09.6 Force Account.
35

36 **8-32 UNANTICIPATED SITE WORK**

37 38 **8-32.1 Description**

39
40 Unanticipated site work shall be performed at locations designated by the Engineer, and at
41 locations proposed by the Contractor and approved by the Engineer.
42

43 **8-32.3 Construction Requirements**

44
45 The Contractor and the Contracting Agencies' representative or Engineer shall reconcile the
46 hours of work for labor and equipment on a daily basis for the purpose of tracking all work

1 under this item. The Contractor shall supply the Engineer with material invoices for all
2 materials incorporated into this work in a timely manner. Invoices shall be original or copies
3 of original invoices from the material supplier.
4

5 **8-32.4 Measurement**

6

7 Work performed under the item “Unanticipated Site Work” shall be measured in accordance
8 with Section 1-09.6 Force Account.
9

10 **8-32.5 Payment**

11

12 Payment will be made in accordance with Section 1-04.1, for the following bid item:
13 “Unanticipated Site Work,” by force account as provided in Section 1-09.6. To provide a
14 common proposal for all bidders, the Contracting Agency has entered an amount in the
15 proposal to become a part of the Contractor’s total bid.
16

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 1 million.

9-03.8(7) HMA Tolerances and Adjustments
(March 10, 2010 APWA GSP)

Delete Item 1 and replace it with the following:

- Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	Nonstatistical Evaluation	Commercial Evaluation
Aggregate, percent passing		
1", ¾", ½", and 3/8" sieves	±6%	±8%
U.S. No. 4 sieve	±6%	±8%
U.S. No. 8 sieve	±6%	±8%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%

These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the control points section, except the tolerance limits for sieves designated as 100% passing will be 99-100. The tolerance limits on sieves shall only apply to sieves with control points.

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.

9-14 EROSION CONTROL AND ROADSIDE PLANTING

9-14.1 Soil

9-14.1(1) Topsoil Type A

General: Topsoil shall be free draining, fertile, friable sandy loam, and shall supply the following composition requirements: weed and seed free; pH between 5.5 and 7.5; maximum particle size to 1/2 inch, with 97% to 100% passing the 3/8 inch screen; soluble salts shall not exceed 4.0 mmho/cm; free of clay lumps, litter and toxic matter harmful to plant growth. Components shall conform to the requirements indicated. Percentages below are by volume. Mixing of the soil components shall not occur on site.

	Sand	Compost	Sandy Loam
Topsoil for turf, rough grass and plant bed areas	34%	33%	33%

Top Sand: Conform to the following analysis using Tyler Standard Screens - Equivalent U.S. Series Number:

Sieve Size	Percent Passing by Weight
#4	100%
#10	95-100%
#16	85-100%
#30	75-90%
#60	15-30%
#100	0-5%
#200 (wet sieve)	0-1.5%

Composted Mulch: Material shall be derived from aerobic decomposition of recycled plant waste fully composted; material shall be composted on a paved surface and shall have a moisture content of between 20% and 40%; no visible free water or dust shall be produced when handling the material; fresh sawdust or fresh wood by products shall not have been added after the composting process has begun. No recycled sanican waste shall be used. Yard waste shall be from permitted composting facility. Pure organic matter content shall be between 30% and 50% by weight. 100% of composted yard waste shall pass the 7/16 inch screen and a minimum 50% shall pass the 1/4" screen. Material shall be maintained at a 15% oxygen level throughout the composting process.

Sandy Loam: Shall be derived from the "A" horizon of naturally occurring, free draining, friable soils. Soils with a high clay content will be rejected. Submit separate sample for approval prior to mixing.

9-14.2 Seed

Section 9-14.2 is supplemented with the following:

Grass seed for Seeded Lawn Installation shall be a blended seed mixture of non-leafy grasses of a commercial grade for home lawn use. The composition, proportion, and quality shall be subject to the advance approval of the Engineer. Grass seed mixtures for playgrounds, pastures, roadside seeding, or other non-residential use shall not be allowed. The approved grass seed mixture shall be applied to the rate of five pounds per 1,000 square feet.

9-14.3 Fertilizer

Section 9-14.3 is supplemented with the following:

The Contractor shall supply a commercially available starter fertilizer designed by the manufacturer for use in new lawn installation applications. The fertilizer formula and application rate shall provide the following types and amounts of nutrients at a minimum:

Total Nitrogen as N - One pound per thousand square feet

Available Phosphoric Acid as P_2O_5 - One pound per thousand square feet

Soluble Potash as K_2O - One pound per thousand square feet.

- 1 50-60 percent of the total nitrogen shall be derived from ureaform or ureformaldehyde.
- 2 The remainder may be derived from any source.

(August 5, 2013)

Standard Plans

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 13-037, effective August 5, 2013 is made a part of this contract.

The Standard Plans are revised as follows:

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-25.20

Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-90.40

Offset & Bend details, add the subtitle, “Plan View” above titles

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-70.10-00

Elevation, and Barrier Connection Detail, callout for premolded joint filler, revise ¼” to 3/8” Note 1, revise ¼” to 3/8”.

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-75.10-00

Elevation, callout for premolded joint filler, revise ¼” to 3/8”, Note 1, revise ¼” to 3/8”.

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed,

for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-75.20-00

Elevation, callout for premolded joint filler, revise ¼” to 3/8”, Note 1, revise ¼” to 3/8”.

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-75.30-00

Elevation, and Plan views, callout for premolded joint filler, revise ¼” to 3/8””, Note 1, revise ¼” to 3/8”.

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-80.10-00

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-80.20-00

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-80.30-00

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed, for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-80.40-00

The Welded Wire Reinforcing Substitution Option Table is deleted. The note, “*Optional Substitutions to Welded Wire Reinforcements shall conform to Standard Specification Sections 6-10 and 9-07” is revised to read: “Steel Welded Wire Reinforcement Deformed,

for Concrete may be substituted for reinforcing steel in accordance with Standard Specification 6-10.3.”

C-85.14

General Notes, Note 1, reference to Standard Plan C-13 is revised to C-70.10

C-85.15

General Notes, Note 2, reference to Standard Plan C-13 is revised to C-70.10

C-85.16

General Notes, Note 1, reference to Standard Plan C-13 is revised to C-70.10

C-85.18

General Notes, Note 1, reference to Standard Plan C-13 is revised to C-70.10

C-85.20

General Notes, Note 3, reference to Standard Plan C-13 is revised to C-70.10

D-3.10

Key Note 7, reference to 1130.04(5).06 is revised to 730.05(5)

F-10.12

Note 1. See Standard Plan F-30.10 for Curb Expansion and Contraction Joint spacing. Is revised to read; “See Standard Plan F-30.10 for Curb Expansion and Contraction Joint spacing and see Standard Specification section 8-04 and 9-04 for additional requirements.”

F-10.62

Plan Title, Precast Concrete Sloped Mountable Curb is revised to read; “Precast Sloped Mountable Curb”

F-10.64

Plan Title, Plan Title, Precast Concrete Dual Faced Sloped Mountable Curb is revised to read; “Precast Dual Faced Sloped Mountable Curb”

F-30.10

Sections, left side of sheet, (4 places), dimension, Sidewalk - 6’ – 0” MIN.(See Contract) is revised to read; “Sidewalk (See Contract)”

Section, top middle of sheet, dimension, Sidewalk – 6’ – 0” MIN. (See Contract) is revised to read; “Sidewalk (See Contract)”

F-80.10

callout, top middle of sheet, Match Sidewalk Width See Contract Plans ~ 4’ – 0” MIN. is revised to read; “Match Sidewalk Width See Contract Plans”

dimension, PLAN VIEW TYPE 2, (2 places), 4’ – 0” MIN, is revised to read; “(See Contract)”

dimension, SECTION C, See Contract Plans ~ 4' – 0" MIN. is revised to read; "See Contract Plans"

G-60.20

Side View, callout, "Anchor Rod ~ 1-3/4" Diam. x 4'-4" Threaded 8" Min. Each End; W/ 2 Washers & 4 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1'-0" Min." is revised to read; "Anchor Rod ~ 1-3/4" Diam. x 4'-4" Threaded 8" Min. Each End; W/ 2 Washers & 6 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1'-0" Min."

G-60.30

End View, callout, "Anchor Rod ~ 1-3/4" Diam. x 4'-4" Threaded 8" Min. Each End; W/ 2 Washers & 4 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1'-0" Min." is revised to read; "Anchor Rod ~ 1-3/4" Diam. x 4'-4" Threaded 8" Min. Each End; W/ 2 Washers & 6 Heavy Hex Nuts ~ Galvanize Exposed Anchor Rod End for 1'-0" Min."

H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

I-50.10

Deleted

J-3b

Sheet 2 of 2, Plan View of Service Cabinet, Boxed Note, "SEE STANDARD PLAN J-6C..." is revised to read: "SEE STANDARD PLAN J-10.10..."

Sheet 2 of 2, Plan View of Service Cabinet Notes, references to Std. Plan J-9a are revised to J-60.05 (3 instances).

J-10.10

Note 2. The contractor shall install the conduits in the locations shown. Conduits shall extend 2" min. above the coupling. The conduit containing unfused utility conductors shall extend into the utility chase is revised to read:

"The contractor shall install the conduits in the locations shown. Conduits shall extend 2" min. above the coupling. The grounded end bushing on GRS conduit and the end bell bushing on PVC conduit shall extend 3" max. above the coupling. The conduit containing unfused utility conductors shall extend into the utility chase."

Note 4. The cabinets shall be attached to the foundation with 4 each: 1/2" x 12" x 2" x 4" hot dip galv. anchor bolts, washers, and nuts. Stainless steel epoxy anchors may be used as an alternative, and shall be 1/2" diam. x 9", or 5/8" diam. x 8". Bolts shall extend 1 1/2" min. to 2" max. above the concrete pad is revised to read:

"The cabinets shall be attached to the foundation with 4 each: 1/2" x 12" x 2" x 4" anchor bolts, washers, and nuts conforming to Section 9-06.5(1) and galvanized after fabrication in accordance with AASHTO M 232. Stainless steel epoxy anchors may be used as an

alternative, and shall be 1/2" diameter x 9", or 5/8" diameter x 8". Threaded Rod (conforming to ASTM F 593), washers (conforming to ASTM A 240), and nuts (conforming to ASTM F 594), all shall be Type 304 stainless steel. Bolts shall extend 1 1/2" min. to 2" max. above the concrete pad."

J-10.15

ANCHOR BOLT detail, callout – ASTM A307 with washer and nut – Galvanized per AASHTO M 232 is revised to read; "Anchor bolts, washers, and nuts conforming to Section 9-06.5(1) and galvanized after fabrication in accordance with AASHTO M 232 "

J-15.10

Elevation View (3x), Depth dimension, reads; "Depth ~ See Std. Spec. 9-20.3(14)E and Contract", revised to read; "Depth ~ See Std. Spec. 8-20.3(13)A and Contract"

J-15.15

General Notes, Note 3, reference to Standard Plan J-7c is revised to J-27.15

J-16b

Deleted

J-16c

Deleted

J-20.10-02

Foundation Detail, callout, "1/2" diameter steel hex nut, with 1 1/2" flat washer (2) each req'd per anchor bolt" is revised to read; 1/2" diameter steel heavy hex nut, with 1/2" flat washer (2) each req'd per anchor bolt

J-20.11-01

Sheet 1, View A, callout, "1/2" x 26" full thread ~ (4) required 1/2" hex nuts ~ (4) required per anchor bolt" is revised to read; "1/2" x 24" full thread ~ (4) required 1/2" heavy hex nuts ~ (4) required per anchor bolt"

Section B, callout, "1/2" diameter steel hex nut, with 1/2" flat washer, (2) required per anchor bolt" is revised to read; 1/2" diameter steel heavy hex nut, with 1/2" flat washer, (2) required per anchor bolt

Sheet 2, Elevation, callout, "Anchor bolt 1/2" x 28" full thread ~ (4) required 1/2" hex nuts ~ (4) required per anchor bolt" is revised to read: Anchor bolt 3/4" x 36" full thread ~ (4) required 3/4" heavy hex nuts ~ (4) required per anchor bolt"

J-20.16

Elevation, callout, "1/4" Premolded Joint Filler" is revised to read; "3/8" Premolded Joint Filler"

Add General Note 9. "Junction Box serving the Standard shall preferably be located 5' – 0" (10' – 0" Max.) from the Standard."

J-21.10-03

Sheet 1, Round Concrete Foundation Detail, Elevation, callout, “3/4” hex nuts, steel, (4) Req’d. per Anchor Bolt” is revised to read; Anchor bolt 3/4” x 30” full thread ~ (4) required 3/4” heavy hex nuts, steel, (4) Req’d. per Anchor Bolt

Sheet 1, Square Concrete Foundation Detail, Elevation, callout, “3/4” hex nuts, steel, (4) Req’d. per Anchor Bolt” is revised to read; Anchor bolt 3/4” x 30” full thread ~ (4) required 3/4” heavy hex nuts, steel, (4) Req’d. per Anchor Bolt

Sheet 1, Detail C, callout, “Base Plate Assembly ~ 1/2” Diam. steel hex nut, with 1 1/2” flat washer, 2 each req’d per anchor bolt ~ minimum of 2 threads above top of nut or 5/8” maximum (Typ.)” is revised to read; Base Plate Assembly ~ 3/4” heavy hex nut, with 3/4” flat washer, 2 each req’d per anchor bolt ~ minimum of 2 threads above top of nut or 5/8” maximum (Typ.)”

Sheet 2, Round Concrete Foundation Detail, Elevation, callout, “Anchor Bolts ~ (4) req’d per assembly (Typ.)” is revised to read; Anchor Bolt 3/4” x 30” full thread ~ (4) req’d per assembly (Typ.)”

Callout, “3/4” hex nuts, steel ~ (4) req’d. per anchor bolt” is revised to read; 3/4” heavy hex nuts, steel ~ (4) req’d. per anchor bolt

Sheet 2, Round Concrete Foundation Detail, Elevation, callout, “Anchor Bolts ~ (4) req’d per assembly (Typ.)” is revised to read; Anchor Bolt 3/4” x 30” full thread ~ (4) req’d per assembly (Typ.)”

Callout, “3/4” hex nuts, steel ~ (4) req’d. per anchor bolt” is revised to read; 3/4” heavy hex nuts, steel ~ (4) req’d. per anchor bolt

J-22.15-01

Ramp Meter Signal Standard, elevation, dimension 4’6” is revised to read; 6’-0”

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 for 1/4” Diam. Cap Screw, 3 Places, @ 9” center, all 4 edges S.S. Screw, ASTM F593 and washer. Liberally coat the threads with Anti-seize Compound.”

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-60.14

All references to J-16b (6x) are revised to read; J-60.11

J-75.40

Monotube Sign Structure, elevation, callout – EQUIPMENT GROUNDING CONDUCTOR ~ SIZE PER NEC. MINIMUM SIZE # 8

Is revised to read; EQUIPMENT GROUNDING CONDUCTOR ~ SIZE PER NEC minimum size # 4 AWG

Detail C, callout– EQUIPMENT GROUNDING CONDUCTOR ~ CLAMP TO STEEL REINFORCING BAR, SIZE PER NEC MIN. SIZE # 8

Is revised to read; EQUIPMENT GROUNDING CONDUCTOR ~ CLAMP TO STEEL REINFORCING BAR, SIZE PER NEC minimum size # 4 AWG

Detail C, callout – Stainless Steel, selftapping ¼” Diam. Screw w/ S.S. Washer, space approx. 9” O.C. is revised to read; “Stainless Steel, selftapping ¼” Diam. Screw w/ S.S. Washer, space approx. 9” O.C., liberally coat the threads with Anti-seize compound”

J-75.45

Elevation, callout – EQUIPMENT GROUNDING CONDUCTOR ~ SIZE PER NEC. MINIMUM SIZE # 8

Is revised to read:

EQUIPMENT GROUNDING CONDUCTOR ~ SIZE PER NEC minimum size # 4 AWG

Detail D, callout– EQUIPMENT GROUNDING CONDUCTOR ~ CLAMP TO STEEL REINFORCING BAR, SIZE PER NEC. MIN. SIZE # 8

Is revised to read:

EQUIPMENT GROUNDING CONDUCTOR ~ CLAMP TO STEEL REINFORCING BAR, SIZE PER NEC minimum size # 4 AWG

Detail C, callout – Stainless Steel, selftapping ¼” Diam. Screw w/ S.S. Washer, space approx. 9” O.C. is revised to read; “Stainless Steel, selftapping ¼” Diam. Screw w/ S.S. Washer, space approx. 9” O.C., liberally coat the threads with Anti-seize compound”

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-80.30

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

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-40.10-02.....6/2/11	A-50.40-00.....11/17/08
A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.10-01.....10/14/09
A-30.10-00.....11/8/07	A-40.20-02.....5/29/13	A-60.20-02.....6/2/11
A-30.15-00.....11/8/07	A-40.50-01.....6/2/11	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-23.60-02.....6/21/12
C-1a.....10/14/09	C-6a.....10/14/09	C-24.10-00.....7/12/12
C-1b.....6/16/11	C-6c.....1/6/00	C-25.18-03.....7/2/12
C-1c.....5/30/97	C-6d.....5/30/97	C-25.20-05.....7/2/12
C-1d.....10/31/03	C-6f.....7/25/97	C-25.22-04.....7/2/12
C-2.....1/6/00	C-7.....6/16/11	C-25.26-02.....7/2/12
C-2a.....6/21/06	C-7a.....6/16/11	C-25.80-02.....7/2/12
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-70.10-00.....4/8/12
C-2f.....3/14/97	C-8f.....6/30/04	C-75.10-00.....4/8/12
C-2g.....7/27/01	C-10.....6/3/10	C-75.20-00.....4/8/12
C-2h.....3/28/97	C-16a.....6/3/10	C-75.30-00.....4/8/12
C-2i.....3/28/97	C-16b.....6/3/10	C-80.10-00.....4/8/12
C-2j.....6/12/98	C-20.10-01.....6/20/13	C-80.20-00.....4/8/12
C-2k.....7/27/01	C-20.14-02.....7/2/12	C-80.30-00.....4/8/12
C-2n.....7/27/01	C-20.15-01.....7/2/12	C-80.40-00.....4/8/12
C-2o.....7/13/01	C-20.18-01.....7/2/12	C-80.50-00.....4/8/12
C-2p.....10/31/03	C-20.19-01.....7/2/12	C-85.10-00.....4/8/12

C-3.....6/27/11	C-20.40-03.....7/2/12	C-85.11-00.....4/8/12
C-3a.....10/4/05	C-20.42-03.....7/2/12	C-85.14-00.....6/16/11
C-3b.....6/27/11	C-20.45.01.....7/2/12	C-85.15-00.....6/16/11
C-3c.....6/27/11	C-22.14-02.....6/16/11	C-85.16-00.....6/16/11
C-4b.....6/8/06	C-22.16-03.....4/18/12	C-85-18-00.....6/16/11
C-4e.....2/20/03	C-22.40-02.....6/16/10	C-85.20-00.....6/16/11
C-4f.....7/2/12	C-22.45.00.....6/16/11	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-2.36-02.....1/6/09	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-3.11-02.....5/29/13	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-2.46-00.....11/10/05	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-10.12-02.....6/16/11	F-10.62-01.....9/05/07	F-40.15-02.....6/20/13
F-10.16-00.....12/20/06	F-10.64-02.....7/3/08	F-40.16-02.....6/20/13
F-10.18-00.....6/27/11	F-30.10-02.....6/20/13	F-45.10-01.....6/21/12
F-10.40-02.....6/21/12	F-40.12-02.....6/20/13	F-80.10-02.....3/15/12
F-10.42-00.....1/23/07	F-40.14-02.....6/20/13	
G-10.10-00.....9/20/07	G-24.60-02.....5/20/13	G-70.20-02.....6/10/13
G-20.10-00.....9/20/07	G-25.10-04.....6/10/13	G-70.30-02.....6/10/13
G-22.10-01.....7/3/08	G-30.10-02.....6/20/13	G-90.10-01.....5/11/11
G-24.10-00.....11/8/07	G-50.10-01.....6/20/13	G-90.20-02.....3/22/13
G-24.20-01.....2/7/12	G-60.10-02.....6/10/13	G-90.30-02.....3/25/13
G-24.30-01.....2/7/12	G-60.20-01.....6/27/11	G-90.40-01.....10/14/09
G-24.40-03.....6/20/13	G-60.30-01.....6/27/11	G-95.10-01.....6/2/11
G-24.50-02.....6/20/13	G-70.10-02.....6/10/13	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.....6/20/13
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-3.....8/1/97	J-26.15-01.....5/17/12	J-40.40-00.....5/20/13
J-3b.....3/4/05	J-27.10-00.....3/15/12	J-50.10-00.....6/3/11
J-3c.....6/24/02	J-27.15-00.....3/15/12	J-50.11-00.....6/3/11
J-10.....7/18/97	J-28.10-01.....5/11/11	J-50.12-00.....6/3/11
J-10.10-01.....5/11/11	J-28.22-00.....8/07/07	J-50.15-00.....6/3/11
J-10.15-00.....7/2/12	J-28.24-00.....8/07/07	J-50.16-01.....3/22/13
J-10.22-00.....5/29/13	J-28.26-01.....12/02/08	J-50.20-00.....6/3/11
J-15.10-00.....5/8/12	J-28.30-02.....6/27/11	J-50.25-00.....6/3/11
J-15.15-00.....6/16/10	J-28.40-01.....10/14/09	J-50.30-00.....6/3/11
J-16b.....2/10/09	J-28.42-00.....8/07/07	J-60.05-00.....6/16/11
J-16c.....2/10/09	J-28.45-01.....6/27/11	J-60.11-00.....5/20/13
J-20.10-02.....6/10/13	J-28.50-02.....6/2/11	J-60.12-00.....5/20/13
J-20.11-01.....6/10/13	J-28.60-01.....6/2/11	J-60.13-00.....6/16/10
J-20.15-02.....6/10/13	J-28.70-01.....5/11/11	J-60.14-00.....6/16/10
J-20.16-01.....7/12/12	J-29.10-00.....6/27/11	J-75.10-01.....5/11/11
J-20.20-02.....5/20/13	J-29.15-00.....6/27/11	J-75.20-00.....2/10/09
J-20.26-01.....7/12/12	J-29.16-01.....6/20/13	J-75.30-01.....5/11/11
J-21.10-03.....6/10/13	J-40.10-03.....5/20/13	J-75.40-00.....10/14/09
J-21.15-01.....6/10/13	J-40.20-01.....5/17/12	J-75.45-00.....10/14/09
J-21.16-01.....6/10/13	J-40.30-03.....5/20/13	J-90.10-01.....6/27/11
J-21.17-01.....6/10/13	J-40.35-01.....5/29/13	J-90.20-01.....6/27/11
J-21.20-01.....6/10/13	J-40.36-01.....5/20/13	
J-22.15-01.....6/10/13	J-40.37-01.....5/20/13	
J-22.16-02.....6/10/13	J-40.38-01.....5/20/13	
J-26.10-02.....3/15/12	J-40.39-00.....5/20/13	

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-40.10-02.....6/21/12	L-70.10-01.....5/21/08
L-20.10-02.....6/21/12	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
L-30.10-01.....6/16/11	L-40.20-02.....6/21/12	

M-1.20-02.....6/3/11	M-9.60-00.....2/10/09	M-40.10-02.....5/11/11
M-1.40-02.....6/3/11	M-11.10-01.....1/30/07	M-40.20-00.....10/12/07
M-1.60-02.....6/3/11	M-15.10-01.....2/6/07	M-40.30-00.....9/20/07
M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.40-00.....9/20/07
M-2.20-02.....6/3/11	M-20.10-02.....6/3/11	M-40.50-00.....9/20/07
M-3.10-03.....6/3/11	M-20.20-01.....1/30/07	M-40.60-00.....9/20/07
M-3.20-02.....6/3/11	M-20.30-02.....10/14/09	M-60.10-01.....6/3/11
M-3.30-03.....6/3/11	M-20.40-02.....6/3/11	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-24.20-01.....5/31/06	M-80.10-01.....6/3/11
M-5.10-02.....6/3/11	M-24.40-01.....5/31/06	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-9.50-01.....1/30/07	M-24.60-03.....5/11/11	

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: 12/2/2013

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Whatcom	<u>Asbestos Abatement Workers</u>	Journey Level	\$41.69	<u>5D</u>	<u>1H</u>	
Whatcom	<u>Boilermakers</u>	Journey Level	\$44.35		<u>1</u>	
Whatcom	<u>Brick Mason</u>	Brick And Block Finisher	\$43.26	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Brick Mason</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Brick Mason</u>	Pointer-Caulker-Cleaner	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Building Service Employees</u>	Janitor	\$9.19		<u>1</u>	
Whatcom	<u>Building Service Employees</u>	Shampooer	\$9.19		<u>1</u>	
Whatcom	<u>Building Service Employees</u>	Waxer	\$9.19		<u>1</u>	
Whatcom	<u>Building Service Employees</u>	Window Cleaner	\$9.19		<u>1</u>	
Whatcom	<u>Cabinet Makers (In Shop)</u>	Journey Level	\$24.89		<u>1</u>	
Whatcom	<u>Carpenters</u>	Acoustical Worker	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Bridge, Dock And Wharf Carpenters	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Carpenter	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Carpenters on Stationary Tools	\$50.95	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Creosoted Material	\$50.92	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Floor Finisher	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Floor Layer	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Carpenters</u>	Scaffold Erector	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Cement Masons</u>	Journey Level	\$51.18	<u>7A</u>	<u>1M</u>	
Whatcom	<u>Divers & Tenders</u>	Diver	\$100.28	<u>5D</u>	<u>1M</u>	<u>8A</u>
Whatcom	<u>Divers & Tenders</u>	Diver On Standby	\$56.68	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Divers & Tenders</u>	Diver Tender	\$52.23	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Divers & Tenders</u>	Surface Rcv & Rov Operator	\$52.23	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Divers & Tenders</u>	Surface Rcv & Rov Operator Tender	\$48.67	<u>5A</u>	<u>1B</u>	
Whatcom	<u>Dredge Workers</u>	Assistant Engineer	\$53.00	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Dredge Workers</u>	Assistant Mate (Deckhand)	\$52.58	<u>5D</u>	<u>3F</u>	

Whatcom	<u>Dredge Workers</u>	Boatmen	\$52.30	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Dredge Workers</u>	Engineer Welder	\$54.04	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Dredge Workers</u>	Leverman, Hydraulic	\$55.17	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Dredge Workers</u>	Mates	\$52.30	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Dredge Workers</u>	Oiler	\$52.58	<u>5D</u>	<u>3F</u>	
Whatcom	<u>Drywall Applicator</u>	Journey Level	\$50.82	<u>5D</u>	<u>1H</u>	
Whatcom	<u>Drywall Tapers</u>	Journey Level	\$29.63		<u>1</u>	
Whatcom	<u>Electrical Fixture Maintenance Workers</u>	Journey Level	\$13.82		<u>1</u>	
Whatcom	<u>Electricians - Inside</u>	Cable Splicer	\$60.71	<u>7H</u>	<u>1E</u>	
Whatcom	<u>Electricians - Inside</u>	Construction Stock Person	\$29.41	<u>7H</u>	<u>1D</u>	
Whatcom	<u>Electricians - Inside</u>	Journey Level	\$56.69	<u>7H</u>	<u>1E</u>	
Whatcom	<u>Electricians - Motor Shop</u>	Craftsman	\$15.37		<u>1</u>	
Whatcom	<u>Electricians - Motor Shop</u>	Journey Level	\$14.69		<u>1</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Cable Splicer	\$66.43	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Certified Line Welder	\$60.75	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Groundperson	\$42.36	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Heavy Line Equipment Operator	\$60.75	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Journey Level Lineperson	\$60.75	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Line Equipment Operator	\$51.05	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Pole Sprayer	\$60.75	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electricians - Powerline Construction</u>	Powderperson	\$45.39	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Electronic Technicians</u>	Journey Level	\$25.09		<u>1</u>	
Whatcom	<u>Elevator Constructors</u>	Mechanic	\$77.70	<u>7D</u>	<u>4A</u>	
Whatcom	<u>Elevator Constructors</u>	Mechanic In Charge	\$84.24	<u>7D</u>	<u>4A</u>	
Whatcom	<u>Fabricated Precast Concrete Products</u>	Journey Level - In-Factory Work Only	\$13.67		<u>1</u>	
Whatcom	<u>Fence Erectors</u>	Fence Erector	\$22.97		<u>1</u>	
Whatcom	<u>Flaggers</u>	Journey Level	\$35.34	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Glaziers</u>	Journey Level	\$53.76	<u>7L</u>	<u>1Y</u>	
Whatcom	<u>Heat & Frost Insulators And Asbestos Workers</u>	Journeyman	\$58.93	<u>5J</u>	<u>1S</u>	
Whatcom	<u>Heating Equipment Mechanics</u>	Journey Level	\$19.85		<u>1</u>	
Whatcom	<u>Hod Carriers & Mason Tenders</u>	Journey Level	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Industrial Power Vacuum Cleaner</u>	Journey Level	\$9.24		<u>1</u>	
Whatcom	<u>Inland Boatmen</u>	Boat Operator	\$52.51	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inland Boatmen</u>	Cook	\$48.89	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inland Boatmen</u>	Deckhand	\$49.13	<u>5B</u>	<u>1K</u>	

Whatcom	<u>Inland Boatmen</u>	Deckhand Engineer	\$50.12	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inland Boatmen</u>	Launch Operator	\$51.34	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inland Boatmen</u>	Mate	\$51.34	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control</u>	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control</u>	Grout Truck Operator	\$11.48		<u>1</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control</u>	Head Operator	\$12.78		<u>1</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control</u>	Technician	\$9.19		<u>1</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control</u>	Tv Truck Operator	\$10.53		<u>1</u>	
Whatcom	<u>Insulation Applicators</u>	Journey Level	\$50.82	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Ironworkers</u>	Journeyman	\$59.77	<u>7N</u>	<u>1O</u>	
Whatcom	<u>Laborers</u>	Air, Gas Or Electric Vibrating Screed	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Airtrac Drill Operator	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Ballast Regular Machine	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Batch Weighman	\$35.34	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Brick Pavers	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Brush Cutter	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Brush Hog Feeder	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Burner	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Caisson Worker	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Carpenter Tender	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Caulker	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Cement Dumper-paving	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Cement Finisher Tender	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Change House Or Dry Shack	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Chipping Gun (under 30 Lbs.)	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Chipping Gun(30 Lbs. And Over)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Choker Setter	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Chuck Tender	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Clary Power Spreader	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Clean-up Laborer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Concrete Dumper/chute Operator	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Concrete Form Stripper	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Concrete Placement Crew	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Concrete Saw Operator/core	\$42.46	<u>7A</u>	<u>2Y</u>	

		Driller				
Whatcom	<u>Laborers</u>	Crusher Feeder	\$35.34	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Curing Laborer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Demolition: Wrecking & Moving (incl. Charred Material)	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Ditch Digger	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Diver	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Drill Operator (hydraulic, diamond)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Dry Stack Walls	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Dump Person	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Epoxy Technician	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Erosion Control Worker	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Faller & Bucker Chain Saw	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Fine Graders	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Firewatch	\$35.34	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Form Setter	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Gabian Basket Builders	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	General Laborer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Grade Checker & Transit Person	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Grinders	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Grout Machine Tender	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Groutmen (pressure)including Post Tension Beams	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Guardrail Erector	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level A)	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level B)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level C)	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	High Scaler	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Jackhammer	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Laserbeam Operator	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Maintenance Person	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Manhole Builder-mudman	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Material Yard Person	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Motorman-dinky Locomotive	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pavement Breaker	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pilot Car	\$35.34	<u>7A</u>	<u>2Y</u>	

Whatcom	<u>Laborers</u>	Pipe Layer Lead	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pipe Layer/tailor	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pipe Pot Tender	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pipe Reliner	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pipe Wrapper	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Pot Tender	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Powderman	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Powderman's Helper	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Power Jacks	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Railroad Spike Puller - Power	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Raker - Asphalt	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Re-timberman	\$42.99	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Remote Equipment Operator	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Rigger/signal Person	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Rip Rap Person	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Rivet Buster	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Rodder	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Scaffold Erector	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Scale Person	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Sloper (over 20")	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Sloper Sprayer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Spreader (concrete)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Stake Hopper	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Stock Piler	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Tamper & Similar Electric, Air & Gas Operated Tools	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Tamper (multiple & Self-propelled)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Toolroom Person (at Jobsite)	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Topper	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Track Laborer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Track Liner (power)	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Traffic Control Laborer	\$37.79	<u>7A</u>	<u>2Y</u>	<u>8R</u>
Whatcom	<u>Laborers</u>	Traffic Control Supervisor	\$37.79	<u>7A</u>	<u>2Y</u>	<u>8R</u>
Whatcom	<u>Laborers</u>	Truck Spotter	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Tugger Operator	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 0-30 psi	\$60.06	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$65.09	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$68.77	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$74.47	<u>7A</u>	<u>2Y</u>	<u>8Q</u>

Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$76.59	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$81.69	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$83.59	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$85.59	<u>7A</u>	<u>1H</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$87.59	<u>7A</u>	<u>1H</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Guage and Lock Tender	\$43.09	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Miner	\$43.09	<u>7A</u>	<u>2Y</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Vibrator	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Vinyl Seamer	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Watchman	\$32.12	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Welder	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Well Point Laborer	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers</u>	Window Washer/cleaner	\$32.12	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers - Underground Sewer & Water</u>	General Laborer & Topman	\$41.69	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Laborers - Underground Sewer & Water</u>	Pipe Layer	\$42.46	<u>7A</u>	<u>2Y</u>	
Whatcom	<u>Landscape Construction</u>	Irrigation Or Lawn Sprinkler Installers	\$11.50		<u>1</u>	
Whatcom	<u>Landscape Construction</u>	Landscape Equipment Operators Or Truck Drivers	\$11.50		<u>1</u>	
Whatcom	<u>Landscape Construction</u>	Landscaping Or Planting Laborers	\$11.50		<u>1</u>	
Whatcom	<u>Lathers</u>	Journey Level	\$50.82	<u>5D</u>	<u>1H</u>	
Whatcom	<u>Marble Setters</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Metal Fabrication (In Shop)</u>	Fitter	\$13.81		<u>1</u>	
Whatcom	<u>Metal Fabrication (In Shop)</u>	Laborer	\$9.19		<u>1</u>	
Whatcom	<u>Metal Fabrication (In Shop)</u>	Machine Operator	\$13.81		<u>1</u>	
Whatcom	<u>Metal Fabrication (In Shop)</u>	Welder	\$13.81		<u>1</u>	
Whatcom	<u>Millwright</u>	Journey Level	\$30.79		<u>1</u>	
Whatcom	<u>Modular Buildings</u>	Journey Level	\$9.19		<u>1</u>	
Whatcom	<u>Painters</u>	Journey Level	\$36.64	<u>6Z</u>	<u>2B</u>	
Whatcom	<u>Pile Driver</u>	Journey Level	\$51.07	<u>5D</u>	<u>1M</u>	
Whatcom	<u>Plasterers</u>	Journey Level	\$49.29	<u>7Q</u>	<u>1R</u>	
Whatcom	<u>Playground & Park Equipment Installers</u>	Journey Level	\$9.19		<u>1</u>	
Whatcom	<u>Plumbers & Pipefitters</u>	Journey Level	\$61.57	<u>5A</u>	<u>1G</u>	
Whatcom	<u>Power Equipment Operators</u>	Asphalt Plant Operators	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Assistant Engineer	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Barrier Machine (zipper)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Batch Plant Operator,	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Concrete				
Whatcom	<u>Power Equipment Operators</u>	Bobcat	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Brokk - Remote Demolition Equipment	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Brooms	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Bump Cutter	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cableways	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Chipper	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Compressor	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Concrete Finish Machine -laser Screed	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Conveyors	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: 20 Tons Through 44 Tons With Attachments	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: A-frame - 10 Tons And Under	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: Friction 100 Tons Through 199 Tons	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: Friction Over 200 Tons	\$55.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	\$55.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Crusher	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Deck Engineer/deck Winches (power)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Derricks, On Building Work	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Dozers D-9 & Under	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Drilling Machine	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Gradechecker/stakeman	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Guardrail Punch	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Horizontal/directional Drill Locator	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Horizontal/directional Drill Operator	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders, Plant Feed	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders: Elevating Type Belt	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Locomotives, All	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Material Transfer Device	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Motor Patrol Grader - Non-finishing	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Motor Patrol Graders, Finishing	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Operator				
Whatcom	<u>Power Equipment Operators</u>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Overhead, Bridge Type: 100 Tons And Over	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Pavement Breaker	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Pile Driver (other Than Crane Mount)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Plant Oiler - Asphalt, Crusher	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Posthole Digger, Mechanical	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Power Plant	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Pumps - Water	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Quad 9, Hd 41, D10 And Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Rigger And Bellman	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Rollagon	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Roller, Other Than Plant Mix	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Roller, Plant Mix Or Multi-lift Materials	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Roto-mill, Roto-grinder	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Saws - Concrete	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Scraper, Self Propelled Under 45 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Scrapers - Concrete & Carry All	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Scrapers, Self-propelled: 45 Yards And Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Service Engineers - Equipment	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shotcrete/gunite Equipment	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes:	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Over 90 Metric Tons				
Whatcom	<u>Power Equipment Operators</u>	Slipform Pavers	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Spreader, Topsider & Screedman	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Subgrader Trimmer	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Tower Bucket Elevators	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Tower Crane Over 175'in Height, Base To Boom	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Tower Crane Up To 175' In Height Base To Boom	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Transporters, All Track Or Truck Type	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Trenching Machines	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Truck Crane Oiler/driver - 100 Tons And Over	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Truck Crane Oiler/driver Under 100 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Truck Mount Portable Conveyor	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Welder	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Wheel Tractors, Farmall Type	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators</u>	Yo Yo Pay Dozer	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Asphalt Plant Operators	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Assistant Engineer	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Barrier Machine (zipper)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Batch Plant Operator, Concrete	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Bobcat	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Brokk - Remote Demolition Equipment	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Brooms	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Bump Cutter	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cableways	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Chipper	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Compressor	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Concrete Finish Machine -laser Screed	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Conveyors	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: 20 Tons Through 44 Tons With Attachments	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: 200 Tons To 300 Tons, Or 250' Of Boom (including Jib With Attachments)	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: A-frame - 10 Tons And Under	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: Friction 100 Tons Through 199 Tons	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: Friction Over 200 Tons	\$55.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: Over 300 Tons Or 300' Of Boom (including Jib With Attachments)	\$55.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Crusher	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Deck Engineer/deck Winches (power)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Derricks, On Building Work	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Dozers D-9 & Under	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Drilling Machine	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Elevator And Man-lift: Permanent And Shaft Type	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Forklift: 3000 Lbs And Over With Attachments	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Grader - Non- finishing	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders, Finishing	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Overhead, Bridge Type: 100 Tons And Over	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Pavement Breaker	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Pile Driver (other Than Crane Mount)	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Plant Oiler - Asphalt, Crusher	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Posthole Digger, Mechanical	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Power Plant	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Pumps - Water	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Quad 9, Hd 41, D10 And Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Rigger And Bellman	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Rollagon	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Roller, Other Than Plant Mix	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Roller, Plant Mix Or Multi-lift Materials	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Roto-mill, Roto-grinder	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Saws - Concrete	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Scraper, Self Propelled Under 45 Yards	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Scrapers - Concrete & Carry All	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Scrapers, Self-propelled: 45 Yards And Over	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Service Engineers - Equipment	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Shotcrete/gunite Equipment	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators- Underground Sewer & Water</u>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>

Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Crane Over 175'in Height, Base To Boom	\$54.61	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	\$54.04	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$52.58	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Welder	\$53.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	\$50.22	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	\$53.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$43.76	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Spray Person	\$41.51	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$43.76	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Tree Trimmer	\$39.10	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$29.44	<u>5A</u>	<u>4A</u>	
Whatcom	Refrigeration & Air Conditioning Mechanics	Journey Level	\$23.95		<u>1</u>	

Whatcom	<u>Residential Brick Mason</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Residential Carpenters</u>	Journey Level	\$23.81		<u>1</u>	
Whatcom	<u>Residential Cement Masons</u>	Journey Level	\$27.28		<u>1</u>	
Whatcom	<u>Residential Drywall Applicators</u>	Journey Level	\$25.00		<u>1</u>	
Whatcom	<u>Residential Drywall Tapers</u>	Journey Level	\$23.91		<u>1</u>	
Whatcom	<u>Residential Electricians</u>	Journey Level	\$37.65		<u>1</u>	
Whatcom	<u>Residential Glaziers</u>	Journey Level	\$13.79		<u>1</u>	
Whatcom	<u>Residential Insulation Applicators</u>	Journey Level	\$13.96		<u>1</u>	
Whatcom	<u>Residential Laborers</u>	Journey Level	\$20.00		<u>1</u>	
Whatcom	<u>Residential Marble Setters</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Residential Painters</u>	Journey Level	\$17.43		<u>1</u>	
Whatcom	<u>Residential Plumbers & Pipefitters</u>	Journey Level	\$28.26		<u>1</u>	
Whatcom	<u>Residential Refrigeration & Air Conditioning Mechanics</u>	Journey Level	\$36.44	<u>5A</u>	<u>1G</u>	
Whatcom	<u>Residential Sheet Metal Workers</u>	Journey Level (Field or Shop)	\$32.24	<u>7J</u>	<u>1I</u>	
Whatcom	<u>Residential Soft Floor Layers</u>	Journey Level	\$23.46		<u>1</u>	
Whatcom	<u>Residential Sprinkler Fitters (Fire Protection)</u>	Journey Level	\$31.09		<u>1</u>	
Whatcom	<u>Residential Stone Masons</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Residential Terrazzo Workers</u>	Journey Level	\$9.19		<u>1</u>	
Whatcom	<u>Residential Terrazzo/Tile Finishers</u>	Journey Level	\$14.00		<u>1</u>	
Whatcom	<u>Residential Tile Setters</u>	Journey Level	\$9.19		<u>1</u>	
Whatcom	<u>Roofers</u>	Journey Level	\$25.27		<u>1</u>	
Whatcom	<u>Sheet Metal Workers</u>	Journey Level (Field or Shop)	\$56.69	<u>7F</u>	<u>1E</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Boilermaker	\$39.66	<u>7M</u>	<u>1H</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Carpenter	\$15.16		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Crane Operator	\$16.04		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Electrician	\$15.18		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Heat & Frost Insulator	\$58.93	<u>5J</u>	<u>1S</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Inside Machinist	\$16.70		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Laborer	\$23.38		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Outside Machinist	\$14.69		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Painter	\$15.16		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Pipefitter	\$15.18		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Sheet Metal	\$20.26		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Welder/burner	\$15.21		<u>1</u>	
Whatcom	<u>Sign Makers & Installers (Electrical)</u>	Journey Level	\$16.03		<u>1</u>	
Whatcom	<u>Sign Makers & Installers (Non-Electrical)</u>	Journey Level	\$14.23		<u>1</u>	
Whatcom	<u>Soft Floor Layers</u>	Journey Level	\$42.15	<u>5A</u>	<u>3D</u>	
Whatcom	<u>Solar Controls For Windows</u>	Journey Level	\$9.19		<u>1</u>	

Whatcom	<u>Sprinkler Fitters (Fire Protection)</u>	Journey Level	\$35.06		<u>1</u>	
Whatcom	<u>Stage Rigging Mechanics (Non Structural)</u>	Journey Level	\$13.23		<u>1</u>	
Whatcom	<u>Stone Masons</u>	Journey Level	\$50.12	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Street And Parking Lot Sweeper Workers</u>	Journey Level	\$15.00		<u>1</u>	
Whatcom	<u>Surveyors</u>	All Classifications	\$36.16	<u>Null</u>	<u>1</u>	
Whatcom	<u>Telecommunication Technicians</u>	Journey Level	\$39.57	<u>7E</u>	<u>1E</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Cable Splicer	\$36.01	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Hole Digger/Ground Person	\$20.05	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Installer (Repairer)	\$34.50	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Special Aparatus Installer I	\$36.01	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Special Apparatus Installer II	\$35.27	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Telephone Equipment Operator (Heavy)	\$36.01	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Telephone Equipment Operator (Light)	\$33.47	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Telephone Lineperson	\$33.47	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Television Groundperson	\$19.04	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Television Lineperson/Installer	\$25.27	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Television System Technician	\$30.20	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Television Technician	\$27.09	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction - Outside</u>	Tree Trimmer	\$33.47	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Terrazzo Workers</u>	Journey Level	\$46.96	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Tile Setters</u>	Journey Level	\$46.96	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Tile, Marble & Terrazzo Finishers</u>	Finisher	\$37.79	<u>5A</u>	<u>1B</u>	
Whatcom	<u>Traffic Control Stripers</u>	Journey Level	\$17.41		<u>1</u>	
Whatcom	<u>Truck Drivers</u>	Asphalt Mix	\$30.15		<u>1</u>	
Whatcom	<u>Truck Drivers</u>	Dump Truck	\$19.32		<u>1</u>	
Whatcom	<u>Truck Drivers</u>	Dump Truck And Trailer	\$19.32		<u>1</u>	
Whatcom	<u>Truck Drivers</u>	Other Trucks	\$14.48		<u>1</u>	
Whatcom	<u>Truck Drivers</u>	Transit Mixer	\$16.81		<u>1</u>	
Whatcom	<u>Well Drillers & Irrigation Pump Installers</u>	Irrigation Pump Installer	\$15.00		<u>1</u>	

Whatcom	<u>Well Drillers & Irrigation Pump Installers</u>	Oiler	\$9.19		<u>1</u>	
Whatcom	<u>Well Drillers & Irrigation Pump Installers</u>	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.

- I. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

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1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

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2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - K. All hours worked on holidays shall be paid at two times the hourly rate of wage in addition to the holiday pay.
 - 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.
 - Y. All hours worked on Saturdays (except for make-up days) 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.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

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3. B. 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, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
- G. 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, , 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 8:00 am Sunday to 8:00 am Monday and Holidays shall be paid at double the straight time rate of pay. 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.
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.

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).

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- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
5. 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.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

Holiday Codes Continued

6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, Christmas Day, And A Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day,

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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).
- 6. 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.
- 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.

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- 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.
7. 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.
- 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.
- O. 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, The Day After Or Before Christmas Day, And The Employees Birthday. 11). 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.
- 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.

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:

Benefit Code Key – Effective 8-31-2013 thru 3-4-2014

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

- 8 C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price
- D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

APPENDIX B
TRAFFIC CONTROL PLAN – WSDOT STANDARD PLANS
(This Page Intentionally Left Blank)

LONGITUDINAL BUFFER SPACE = B						
POSTED SPEED (MPH)		25	30	35	40	45
LENGTH B (FEET)		55	85	120	170	270

LONGITUDINAL BUFFER SPACE = B						
POSTED SPEED (MPH)		25	30	35	40	45
LENGTH B (FEET)		55	85	120	170	270

SIGN SPACING = X		
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' ±
URBAN STREETS	25 MPH OR LESS	100' ±

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

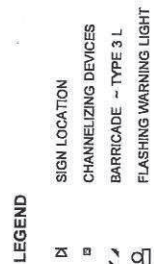
SIGN SPACING = X		
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ±
URBAN STREETS	25 MPH OR LESS	100' ±

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
35 / 45	30	80
25 / 30	20	40

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
35 / 45	30	80
25 / 30	20	40

1. This plan is intended for use on roadways when traffic volumes create sufficient gaps for motor vehicles to yield.
2. Steady Burning Warning Lights (Type C per MUTCD) shall be used to mark Channelizing Devices at night.
3. Adequate sight distance shall be provided for drivers to see opposing traffic, otherwise use flaggers and/or Temporary Signal.
4. Extend Channelizing Device taper across shoulder ~ recommended.
5. Post mount signs when in place for 3 days or longer.
6. For speed limit 35 mph or higher replace W1-3R with W1-4R.
7. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.
8. Consider using a PCMS for additional advance warning.



NOTES: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT.
FOR THE EXAMINATION OF THE BOARD OF PROFESSIONAL ENGINEERS.
A COPY MAY BE OBTAINED FROM REQUEST.
THE ORIGINAL, SIGNED BY THE EXAMINER, SHALL BE RETURNED TO THE EXAMINER.
THE ORIGINAL, SIGNED BY THE EXAMINER, SHALL BE RETURNED TO THE EXAMINER.

THEODORE J. THEPAPAS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
NO. 25435
11-6

EXPIRES: AUGUST 9, 2004

EXPIRES AUGUST 9, 2009

**LANE CLOSURE
WITHOUT FLAGGERS
~ LOW VOLUME ROAD
STANDARD PLAN K-20-20-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 10-12-07

DATE

 Washington State Department of Transportation
STATE DESIGN ENGINEER
DATE

LONGITUDINAL BUFFER SPACE = B												
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60	65			
LENGTH B (FEET)	155	200	250	305	360	425	485	570	645			

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 MANUFACTURER RECOMMENDATION)	
	ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

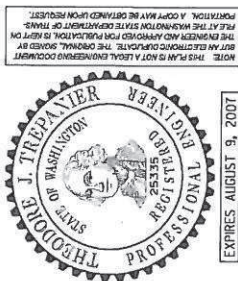
NOTES

1. 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. Night work requires additional roadway lighting at flagging stations. See WSDOT Standard Specifications for additional details.
3. Extend Channelizing Device taper across shoulder - recommended.
4. Sign sequence is the same for both directions of travel on the roadway.
5. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
6. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

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)	
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE			

- (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.

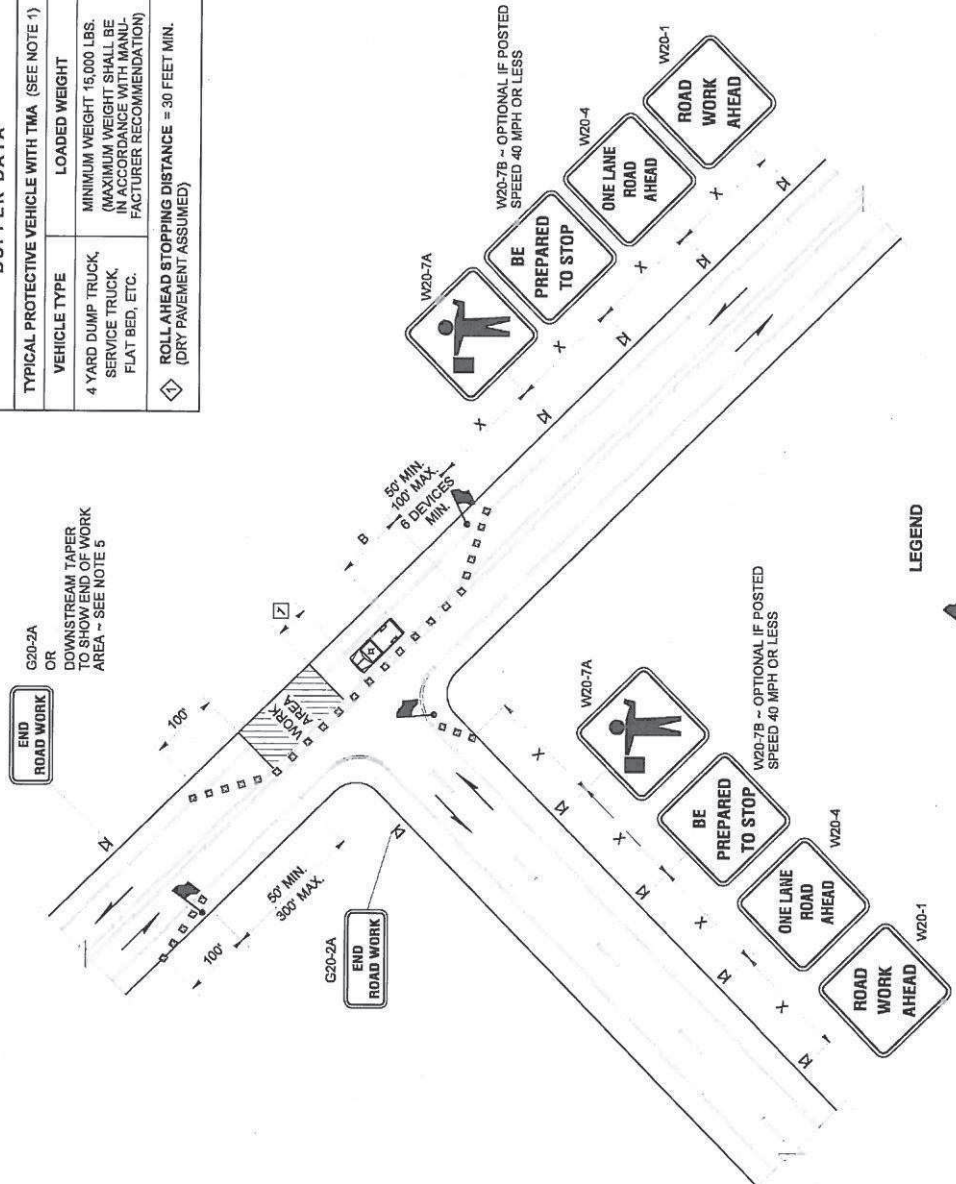
FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES



LANE CLOSURE
WITH FLAGGER CONTROL
STANDARD PLAN K-20.40-00

APPROVED FOR PUBLICATION
Ken L. Smith
STATE DESIGN ENGINEER
Washington State Department of Transportation

02-15-07
DATE



- LEGEND
- FLAGGING STATION
 - SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE - RECOMMENDED

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	115 165 225 290 495 550 605
12	125 180 245 320 540 600 660

SIGN SPACING = X (1)	
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH
URBAN STREETS	25 MPH OR LESS
	100' ± (2)

NOTES

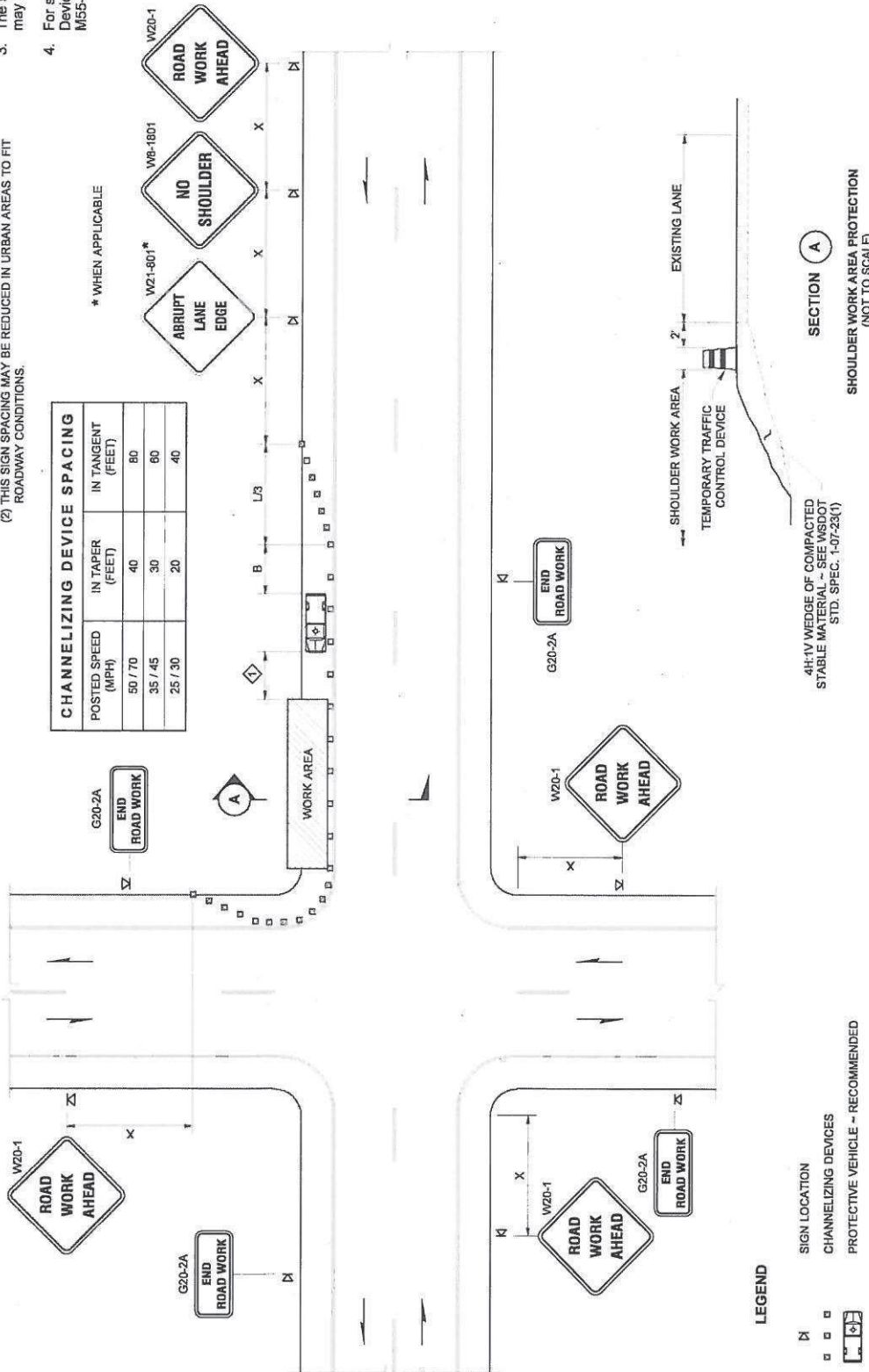
- A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
- For long term projects conflicting pavement markings that are no longer applicable shall be removed. Temporary markings shall be used as necessary and signs shall be post mounted.
- The sign MOTORCYCLES USE EXTREME CAUTION may be used.
- 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.

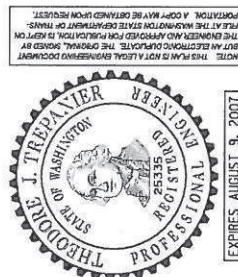
(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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



FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES



INTERSECTION
~ SHOULDER WORK
STANDARD PLAN K-36-20-00

APPROVED FOR PUBLICATION
Ken L. Smith
STATE DESIGN ENGINEER
Washington State Department of Transportation
DATE: 02-15-07
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)	

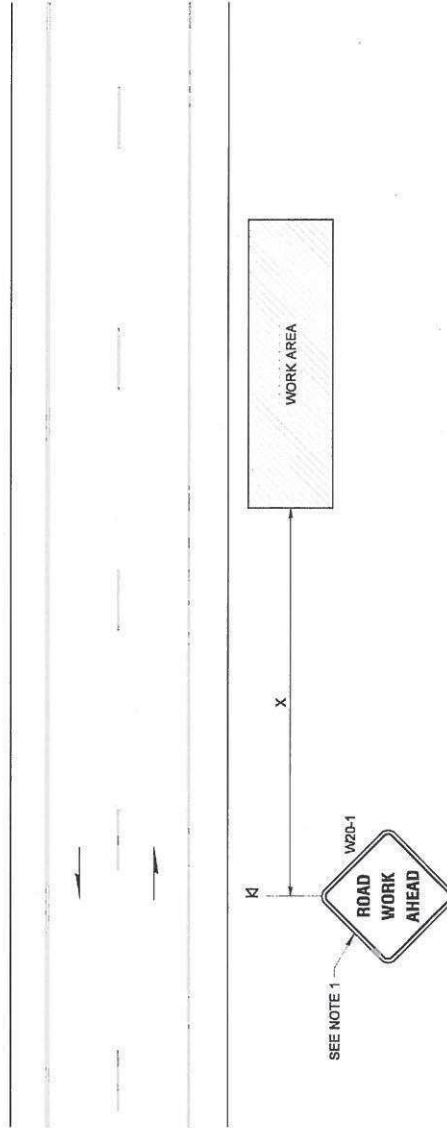
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

(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 M65-05.



LEGEND

K SIGN LOCATION

FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES



EXPIRES AUGUST 9, 2007

WORK BEYOND
THE SHOULDER

STANDARD PLAN K-40.80-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith 02-15-07

STATE DESIGN ENGINEER

DATE

Washington State Department of Transportation



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT.
IT IS THE ENGINEER'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR PUBLICATION. IT IS THE USER'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR PUBLICATION. A COPY MUST BE OBTAINED UPON REQUEST.

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 RAMPS, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.

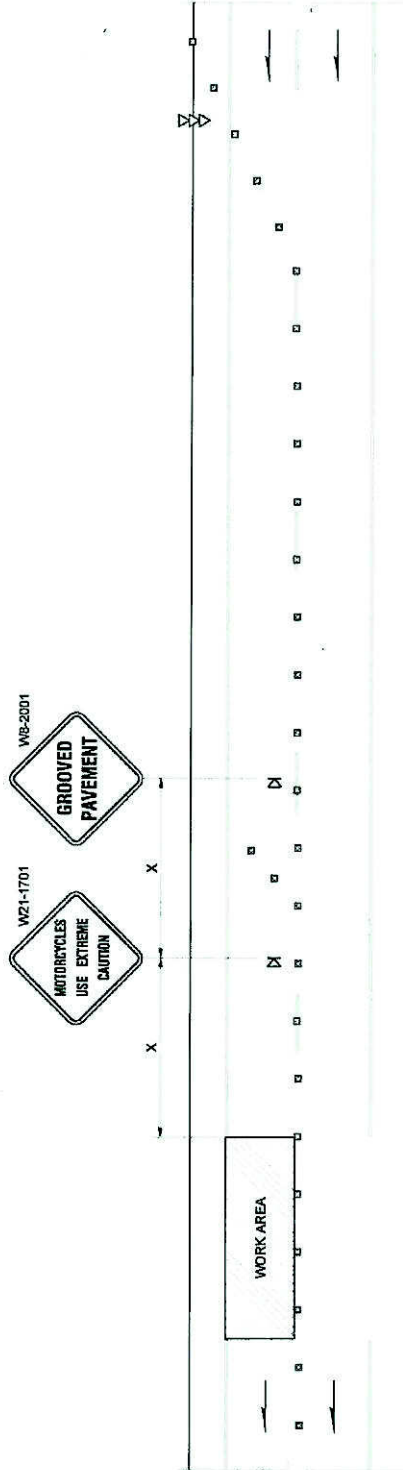
(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZING DEVICE SPACING

POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
35 / 45	30	60
25 / 30	20	40

NOTES

- See Standard Plan K-24.60 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 earthSpecific 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.



FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES



**MOTORCYCLE
SUPPLEMENTAL SIGNING
STANDARD PLAN K-60.40-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Ken L. Smith
STATE DESIGN ENGINEER
Washington State Department of Transportation
DATE: **02-15-07**

STEEL PLATES W21-1801

LOOSE GRAVEL WB-7

GROOVED PAVEMENT WB-2001

ABRUPT LANE EDGE W21-801

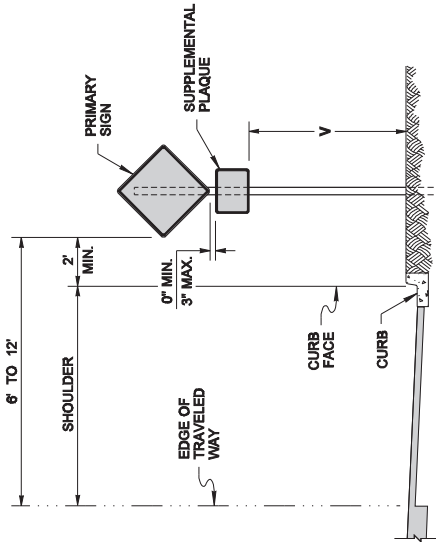
MOTORCYCLE WARNING SIGN (W21-1701) SHOULD BE INSTALLED AT 1 MILE SPACING, THROUGHOUT THE WORK ZONE WHERE THE CONDITION EXISTS, AS PART OF THE SEQUENCE OF OTHER APPROPRIATE STANDARD WARNING SIGNS ON 1 MILE SPACING

LEGEND

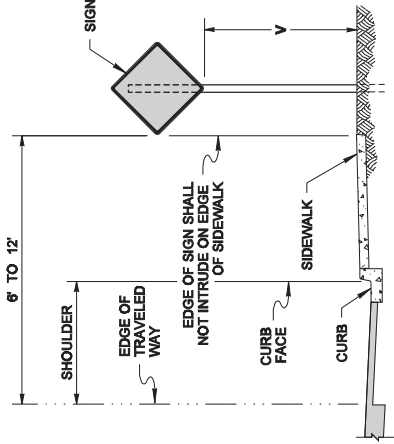
- SIGN LOCATION
- CHANNELIZING DEVICES
- ▷▷ ARROW PANEL

NOTES

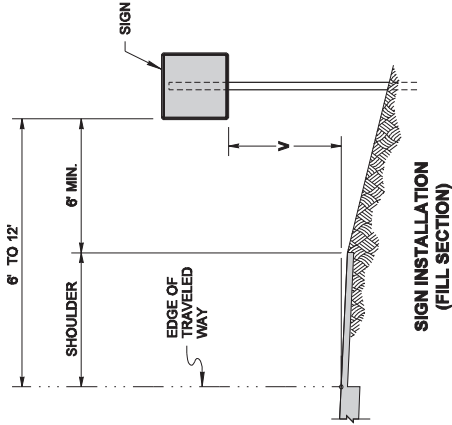
1. For sign installation details, see Std. Plan G - series.
2. In rural areas, the "V" Height can be a minimum of 7 feet for primary signs and 6 feet for the supplemental plaques for greater visibility, as directed by the engineer.
3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.



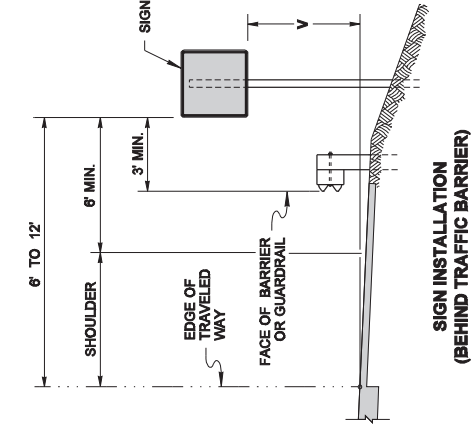
SIGN INSTALLATION
(CURB SECTION)



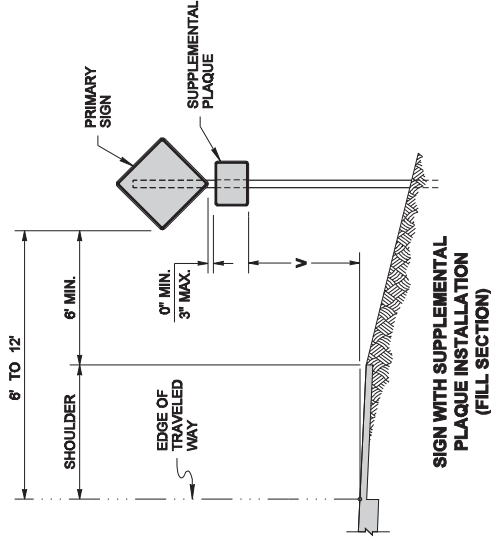
SIGN INSTALLATION
(SIDEWALK AND CURB SECTION)



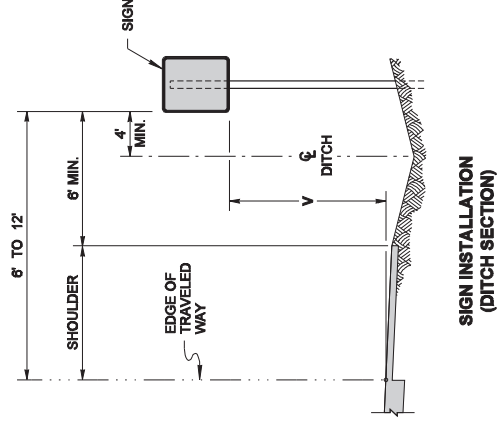
SIGN INSTALLATION
(FILL SECTION)



SIGN INSTALLATION
(BEHIND TRAFFIC BARRIER)



SIGN WITH SUPPLEMENTAL
PLAQUE INSTALLATION
(FILL SECTION)



SIGN INSTALLATION
(DITCH SECTION)

HEIGHT V	
TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM
URBAN	7' MINIMUM

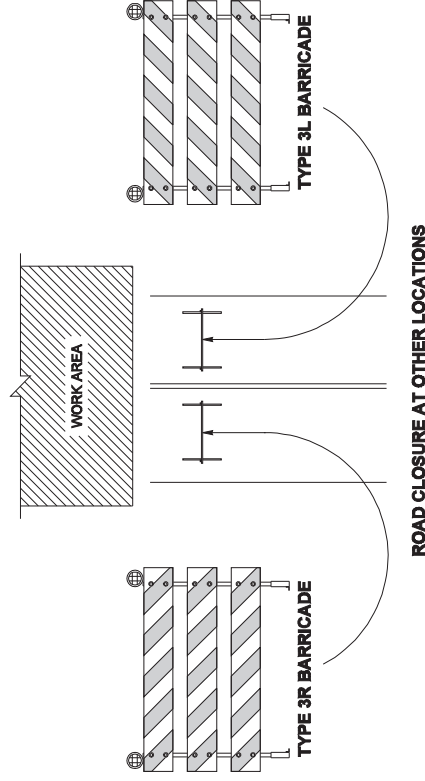


CLASS A
CONSTRUCTION SIGNING
INSTALLATION
STANDARD PLAN K-80.10-00
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Ken L. Smith 02-21-07
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

The diagram illustrates the components and dimensions of a Type 3L Barricade. It features three vertical panels with diagonal hatching, connected by horizontal beams. A circular symbol with a cross inside is positioned to the left of the panels. Dimensions are indicated by arrows: '2' MIN.' for the minimum distance between the circular symbol and the first panel, and 'AREA CLOSED TO TRAFFIC' for the distance from the first panel to the end of the barricade. The text 'USEABLE TRAFFIC LANE' is written vertically on the left side, and 'TYPE 3L BARRICADE' is written vertically on the right side.

The diagram illustrates a Type 3R Barricade, which consists of three vertical panels. Each panel is marked with diagonal stripes and features four circular reflective markers. The panels are connected by horizontal bars. A dimension line on the left indicates a length of '2' MIN.' for the section shown. Above the panels, a dimension line points to the right, labeled 'USEABLE TRAFFIC LANE'. Below the panels, a dimension line points to the left, labeled 'AREA CLOSED TO TRAFFIC'. A circular symbol with a cross inside is positioned to the left of the first panel. The text 'TYPE 3R BARRICADE' is written vertically on the right side of the diagram.



STANDARD PLAN K-80.20-00

APPROVED FOR PUBLICATION

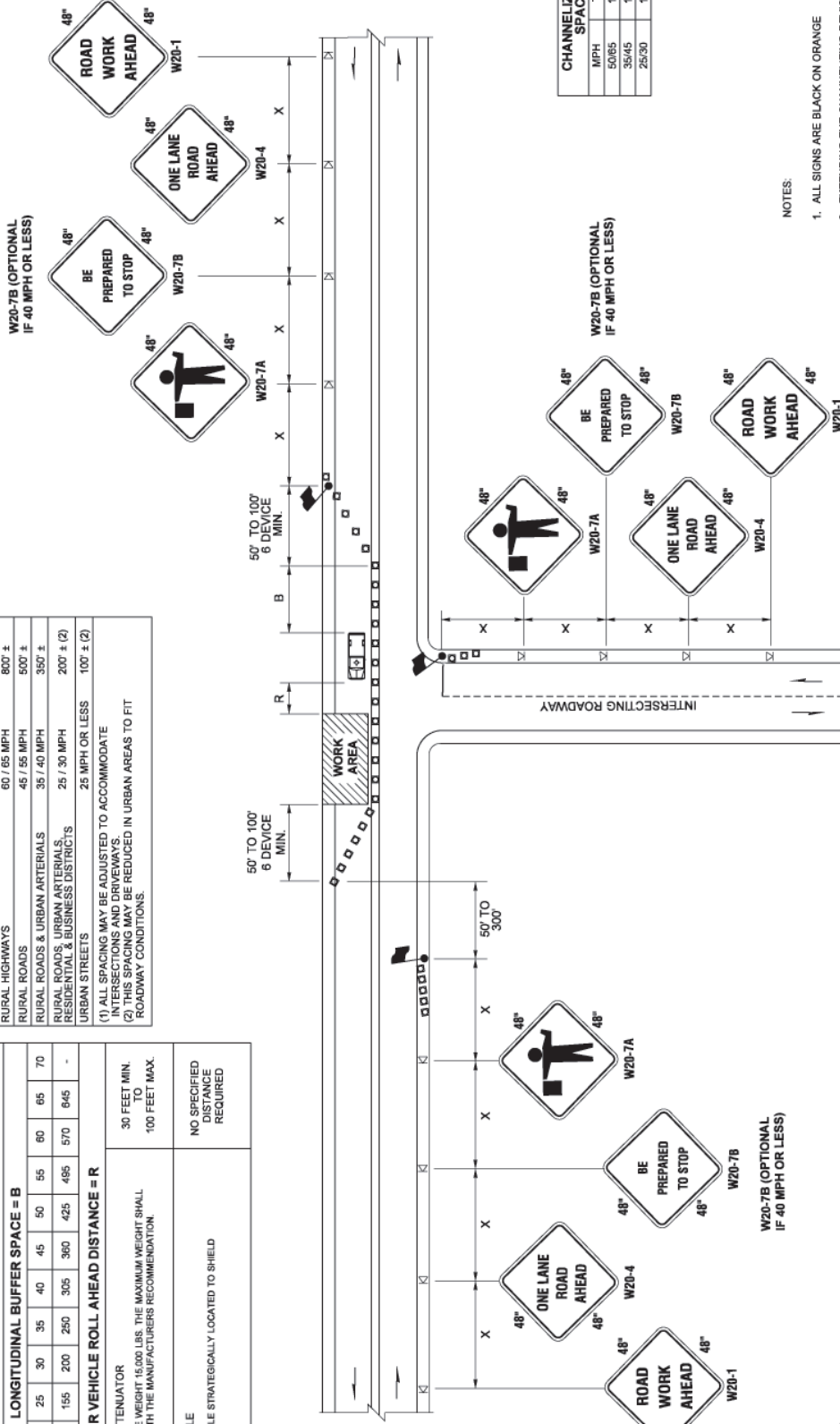
STATE DESIGN ENGINEER
DATE _____

Washington State Department of Transportation

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 HOIST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S 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.



- NOTES:
- ALL SIGNS ARE BLACK ON ORANGE
 - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
 - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

FILE NAME	S:\Design R P\4-Standard\12-Plan Sheet Library\10-Work Zone Traffic Control (TC)TC-11TC-1.dgn
DATE	10/25/21 AM
DESIGNED BY	OPTIONAL
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	
DATE	BY
DESIGN NO.	DATE
10 WASH	DATE
JOB NUMBER	LOCATION NO.
CONTRACT NO.	

Plot 1	TC1
SHEET	OF
TRAFFIC CONTROL PLAN	



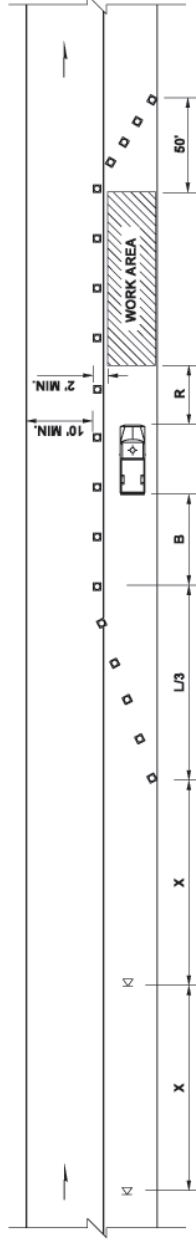
Washington State
Department of Transportation

SIGN SPACING = X (1)		
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		

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	60	90	-	-	-	-
10'	40	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
LENGTH (feet)	155	200	250	305					70
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

- 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'.
2. ALL SIGNS ARE BLACK ON ORANGE.
3. NO FLAGGERS OR SPOTTERS.

FILE NAME	S:\Design R P\A S\A-Standard\12-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-S\TC-5.dgn
DATE	10/25/2013
DESIGNED BY	Cyprien
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	
DATE	BY
DESIGN NO.	10 WASH
JOB NUMBER	
CONTRACT NO.	
LOCATION NO.	
FED.AID PROJ.NO.	



TRAFFIC CONTROL PLAN

TC5
SHEET
OF
SHEETS

NO

PARKING

R8-3

24" x 30"

R/W

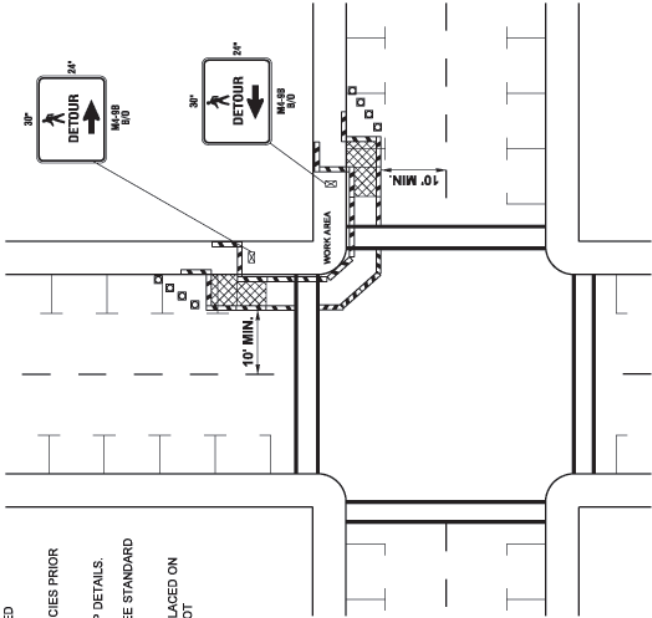
INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA

24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL.

PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.

NOTES:

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
2. A 80' PEDESTRIAN 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 1-10.2(1)B.
6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.



SIDEWALK DIVERSION

SIDEWALK DETOUR

LEGEND

- ⊠

TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- ▤

PEDESTRIAN CHANNELIZING DEVICES
- TEMPORARY PEDESTRIAN RAMP FOR SIDEWALKS

INTERSECTION PEDESTRIAN TRAFFIC CONTROL

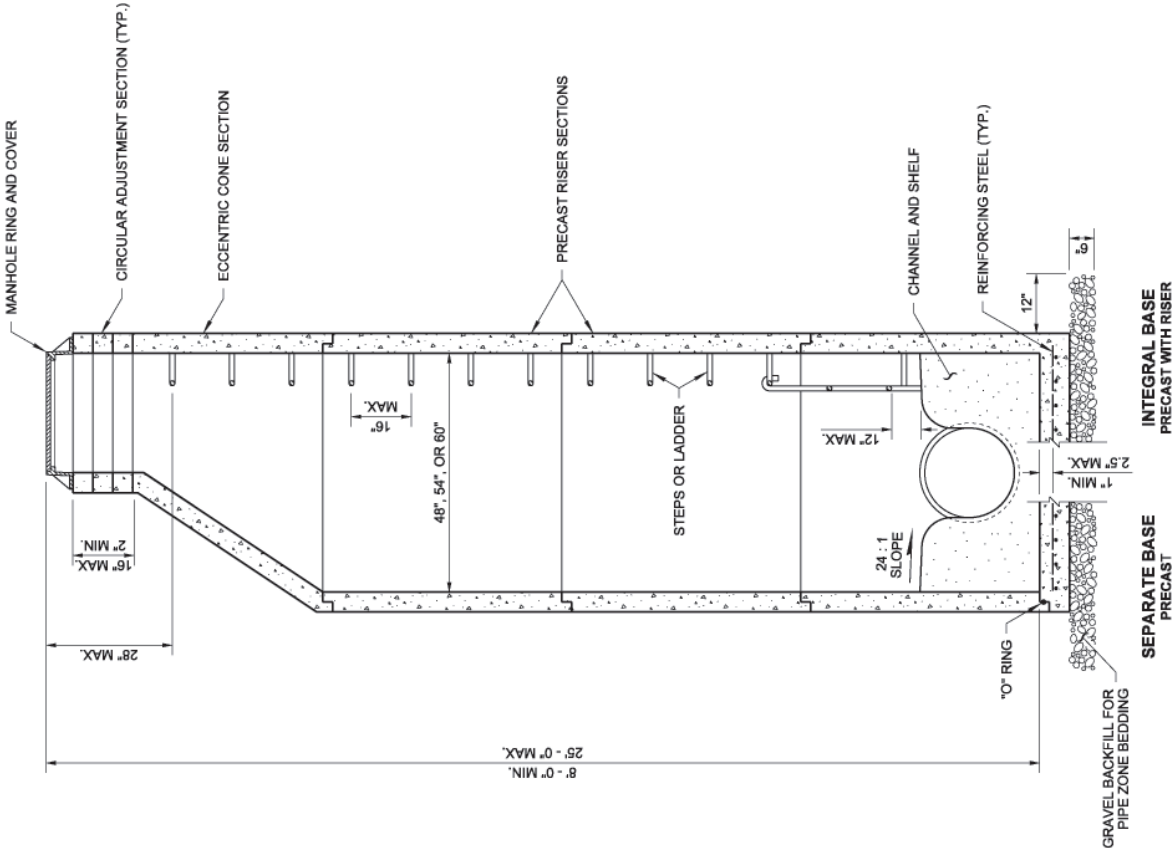
NOT TO SCALE

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TIME		11:43:51 AM		FED. STATE		10 WASH													
DATE		5/17/2013		JOB NUMBER															
DESIGNED BY		CofordL		CONTRACT NO.															
CHECKED BY				LOCATION NO.															
PROJ. ENGR.				DATE		BY													
REGIONAL ADM.				REVISION															

APPENDIX C
WSDOT STANDARD PLANS
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NOTES

- 1. Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum.
- 2. For pipe allowances, see **Standard Plan B-10.20**.



MANHOLE DIMENSION TABLE				
DIAM.	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"



MANHOLE TYPE 1

STANDARD PLAN B-15.20-01

SHEET 1 OF 1 SHEET

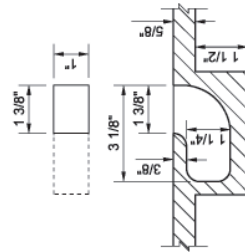
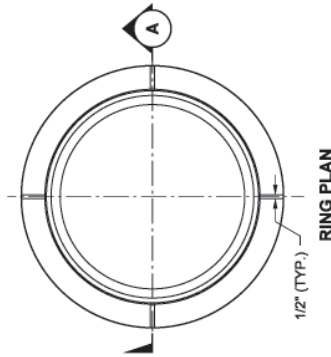
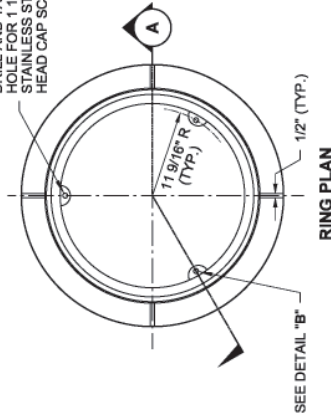
APPROVED FOR PUBLICATION

Pasco Bakotich III 02-07-12

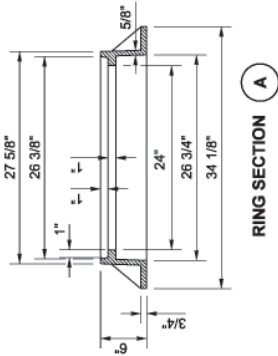
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

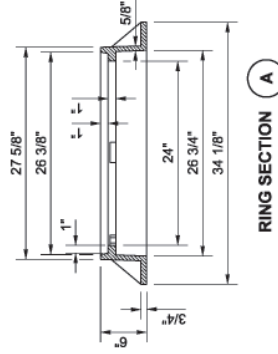
DRILL AND TAP 5/8" - 11NC
HOLE FOR 1/2" X 5/8"
STAINLESS STEEL SOCKET
HEAD CAP SCREW (TYP.)



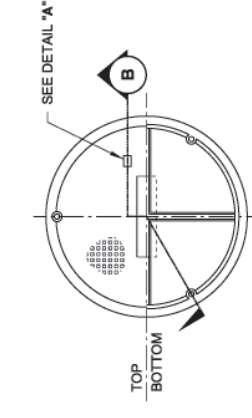
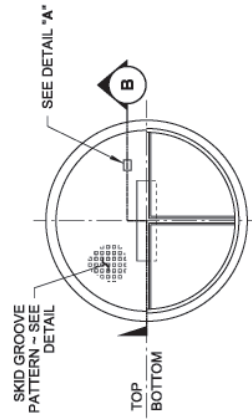
BLIND PICK NOTCH
DETAIL "A"



RING SECTION A

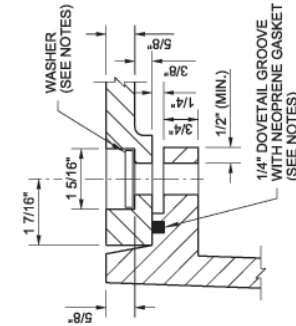


RING SECTION A

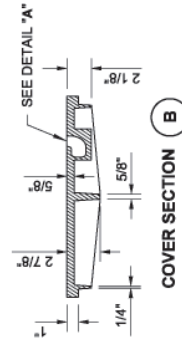


COVER PLAN

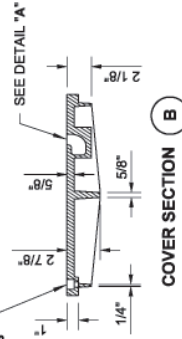
COVER PLAN



BOLT-DOWN / WATERTIGHT
DETAIL "B"



COVER SECTION B



COVER SECTION B

(SEE NOTE 7)

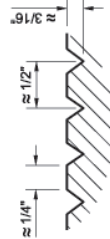
(SEE NOTE 7)

STANDARD
TYPE 1

BOLT-DOWN / WATERTIGHT
TYPE 2

NOTES

1. The gasket and groove may be in the seat (frame) or in the underside of the cover. The gasket may be "I" shaped in section. The groove may be cast or machined.
2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 3 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 5/8" - 11 NC x 2" Allen head cap screw by being tapped, or other approved mechanism. Location of bolt down holes varies by manufacturer.
3. For bolt-down manhole ring and covers that are not designated "Watertight," the neoprene gasket, groove, and washer are not required.
4. Washer shall be neoprene (Detail "B").
5. In lieu of blind pick notch for manhole covers, a single 1" pick hole is acceptable. Hole location and number of holes may vary by manufacturer.
6. Alternative reinforcing designs are acceptable in lieu of the rib design.
7. For clarity, the vertical scale of the Cover Section has been exaggerated, it is 1.5 times the horizontal scale (1H:1.5V).



SKID GROOVE PATTERN
DETAIL



CIRCULAR FRAME (RING) AND COVER

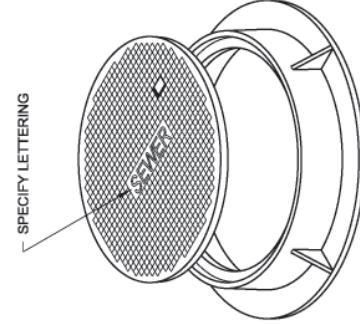
STANDARD PLAN B-30.70-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 04/26/12
STATE DESIGN ENGINEER DATE

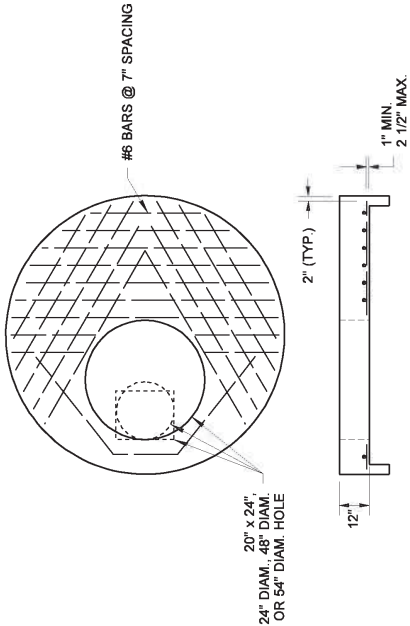
Washington State Department of Transportation



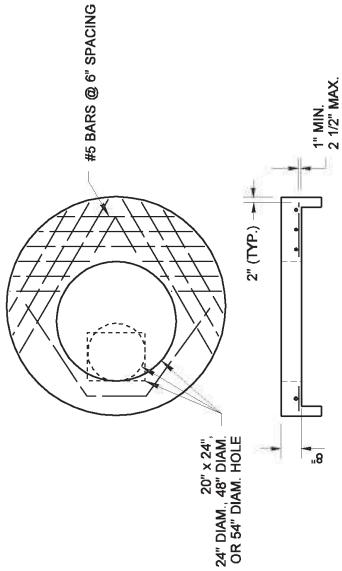
ISOMETRIC VIEW

NOTE

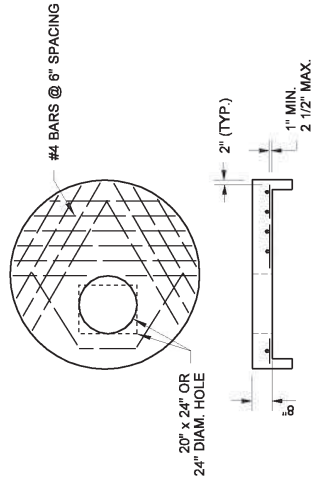
Ladder rungs for manholes and catch basins shall meet the requirements of AASHTO M 199.



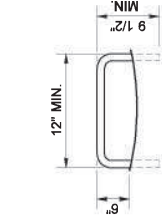
84" or 96" FLAT SLAB TOP



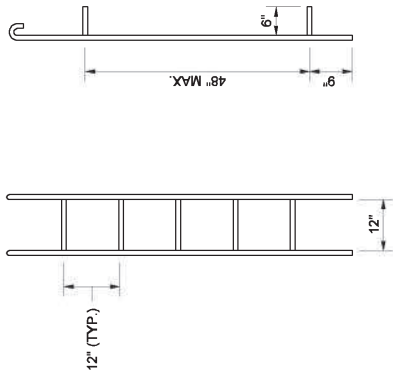
72" FLAT SLAB TOP



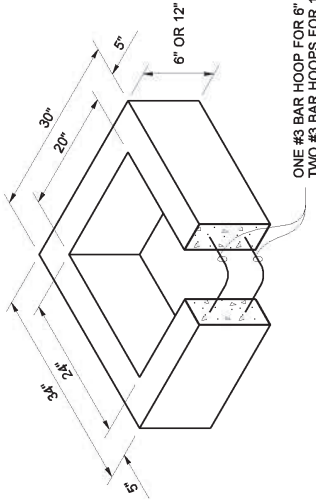
48" , 54" , or 60" FLAT SLAB TOP



STEP

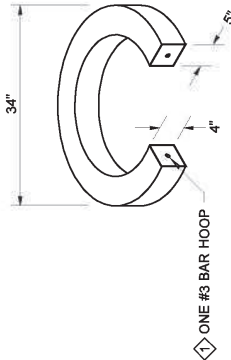


PREFABRICATED LADDER

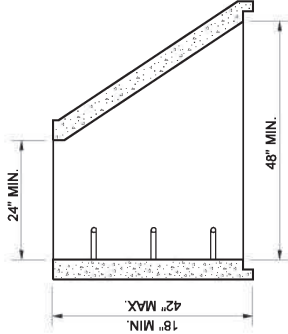


RECTANGULAR ADJUSTMENT SECTION

As an acceptable alternative to rebar, wire mesh having a minimum area of 0.12 square inches per foot may be used for adjustment sections.



CIRCULAR ADJUSTMENT SECTION



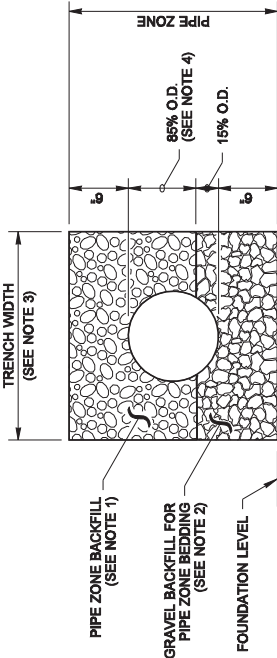
eccentric cone section



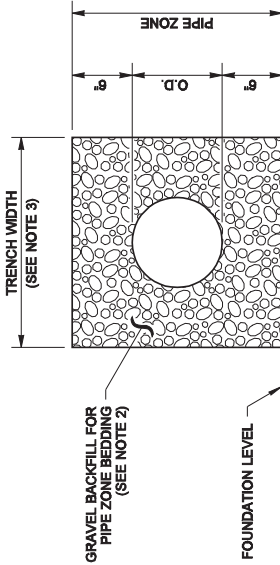
MISCELLANEOUS DETAILS FOR DRAINAGE STRUCTURES STANDARD PLAN B-30.90-01

SHEET 1 OF 1 SHEET

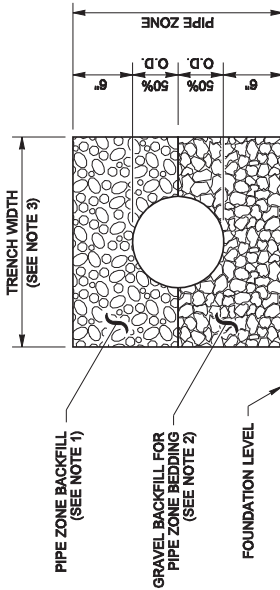
APPROVED FOR PUBLICATION	DATE
Pasco Bakotich III	09-20-07
STATE DESIGN ENGINEER	
Washington State Department of Transportation	



CONCRETE AND DUCTILE IRON PIPE



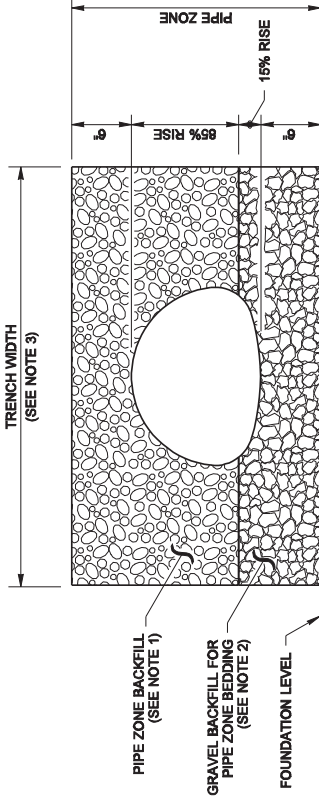
THERMOPLASTIC PIPE



METAL PIPE

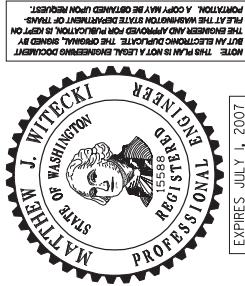
NOTES

1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
3. See Standard Specifications Section 2-09.4 for Measurement of Trench Width.
4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.



PIPE ARCHES

CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		
PIPE	SIZE	MINIMUM DISTANCE BETWEEN BARRELS
CIRCULAR PIPE (DIAMETER)	12" to 24"	12"
	30" to 96"	DIAM. /2
	102" to 180"	48"
PIPE ARCH (SPAN)	18" to 36"	12"
	43" to 142"	SPAN /3
	148" to 200"	48"



PIPE ZONE BEDDING AND BACKFILL STANDARD PLAN B-55.20-00

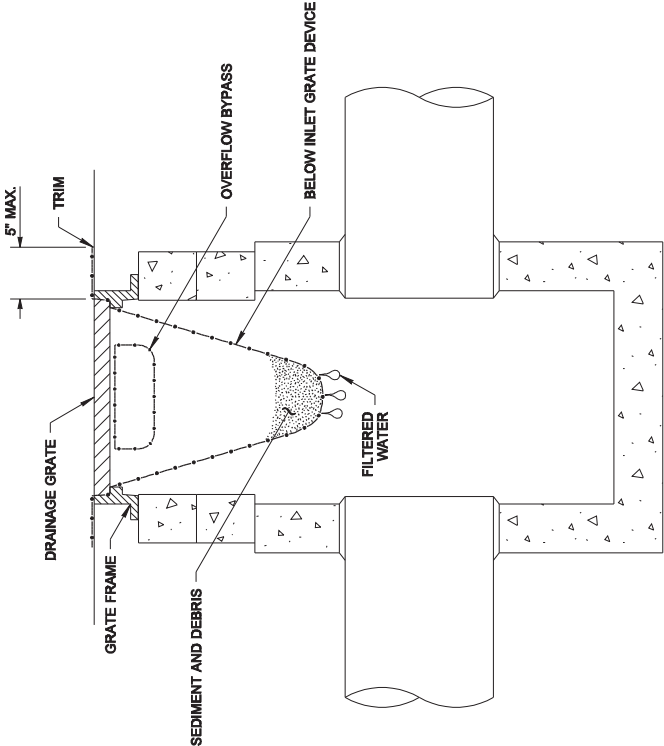
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

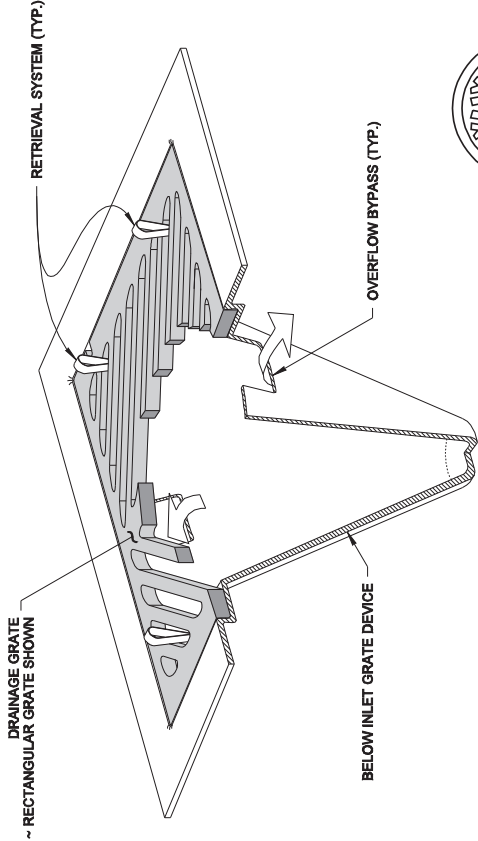
Harold J. Peterfeso 06-01-06
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

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 A DESIGN DOCUMENT. THE ORIGINAL, SIGNED BY THE ENGINEER AND ARCHITECT, SHALL BE KEPT ON FILE IN THE PROJECT ARCHIVE. A COPY MAY BE OBTAINED UPON REQUEST.

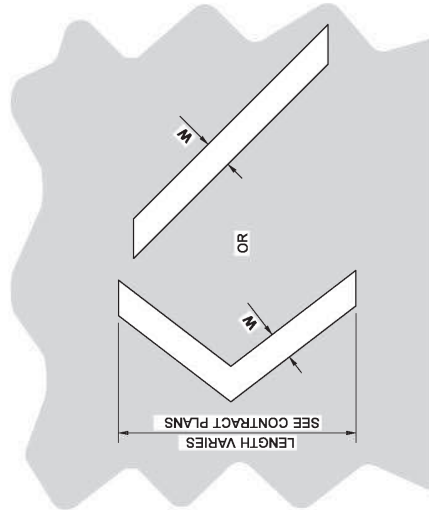
STORM DRAIN
INLET PROTECTION
STANDARD PLAN I-40.20-00

SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

1' - 6" ~ UNLESS NOTED
OTHERWISE IN CONTRACT



STOP LINE



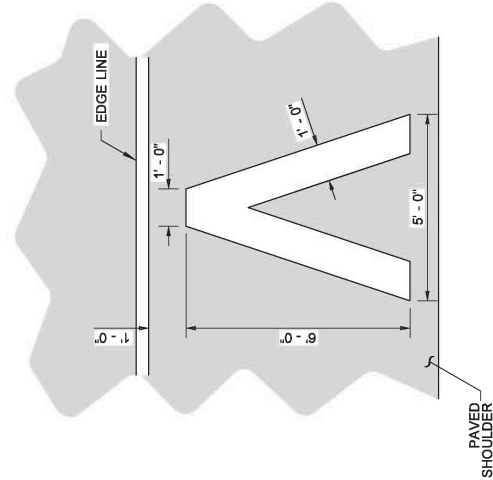
WHITE OR YELLOW - SEE CONTRACT PLANS
CHEVRON OR DIAGONAL

CROSSHATCH MARKING

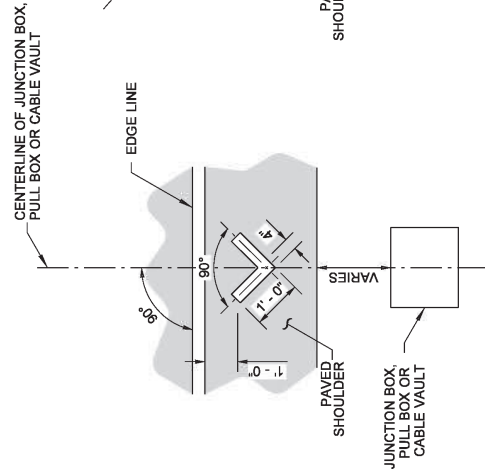
W = 8" FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER
W = 12" FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER

NOTES

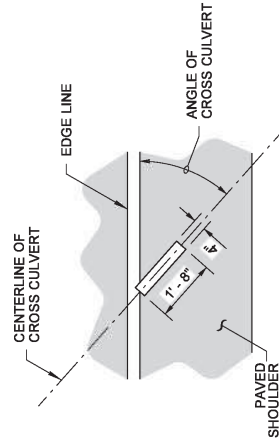
1. If Rumble Strips are present, install marking outside of the Rumble Strip.



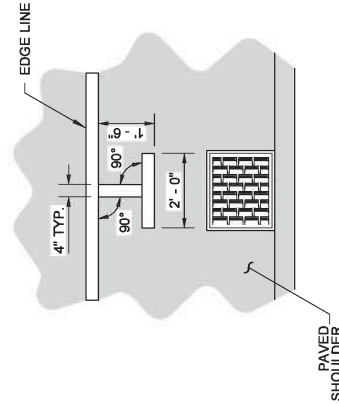
MARKING AREA = 11.73 SQ. FT.
HALF-MILE MARKER



MARKING AREA = 0.56 SQ. FT.
JUNCTION BOX, PULL BOX,
OR CABLE VAULT MARKINGS



MARKING AREA = 0.56 SQ. FT.
CROSS CULTVERT



MARKING AREA = 1.06 SQ. FT.
DRAINAGE STRUCTURE INLET

DRAINAGE MARKING



SYMBOL MARKINGS
MISCELLANEOUS

STANDARD PLAN M-24-60-03

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Pasco Bakofich III 05-11-11

STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

APPENDIX D
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 Contractor-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