CONTRACT DOCUMENTS FOR

CITY OF FERNDALE, WASHINGTON Portal Way / I-5 Compact Roundabout Project City Project Number ST2016-03

Consisting of:

Bid Documents Contract Forms Specifications & Conditions Drawings



Plans Provided for:

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



Engineer:

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

PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT FERNDALE, WASHINGTON

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BID PROCEDURES AND CONDITIONS

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INVITATION TO BID FOR PORTAL WAY / 1-5 COMPACT ROUNDABOUT PROJECT City Project No. ST2016-03

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 **May 10, 2018, 2 PM**, and will then and there be opened and publicly read for the **Portal Way / I-5 Compact Roundabout Project.**

PROJECT DESCRIPTION: This contract provides for the construction of a compact roundabout (RAB) at the intersection of Portal Way/I-5 north bound off ramp in the City of Ferndale. Work will include removal of structures and obstructions; trench excavation; storm sewer pipe installation; pre-cast curb installation; modifications to existing illumination and ITS systems and other work in accordance with the Contract Plans, Special Provisions, the Standard Specifications, including the amendments thereto, and Standard Plans.

Bid Guaranty

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

Project Documents

Maps, plans, and specifications may be obtained from the Ferndale City Hall upon payment in the amount of \$50 for specifications and plan sets. Informational copies of maps, plans and specifications are on file for inspection in the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. An electronic version of the project plans and specifications are available for download on the City of Ferndale website at www.cityofferndale.org. If you download the bid documents you are required to contact the City to be added to the planholders' list.

Pre-Bid Conference

Bidders, prior to submittal of a bid, may attend a pre-bid conference with the Project Engineer. The meeting will start on **May 1, 2018 at 2 PM** at the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. A jobsite visit may follow upon request.

The City of Ferndale in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

The City of Ferndale is an Equal Opportunity and Affirmative Action Employer. Minority and Women-Owned firms are encouraged to submit bids.

Susan Duncan City Clerk - City of Ferndale Ferndale Record Journal - Published April 18, 2018 and April 25, 2018

BID PROPOSAL FORMS

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BID PROPOSAL

FOR

PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT FERNDALE, 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: **"PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT",** 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.

() SEC	TION REFERE	NCE			April 4, 2018
ITEM NO.	QUANTITY	DESCRIPTION		UNIT PRICE	TOTAL
1	1 LUMP SUM	MOBILIZATION (1-09.7)	\$		\$
2	1 LUMP SUM	SPCC PLAN (1-07)	¢	per LS	¢
3	550 HOUR	FLAGGERS (1-10)	Ψ •	per LS	φ
4	30 HOUR	OTHER TRAFFIC CONTROL LABOR (1-10)	<u></u>	per HR	\$
5	1	PROJECT TEMPORARY TRAFFIC CONTROL	\$	per HR	\$
	LUMP SUM	(1-10)	\$	perLS	\$
6	1 LUMP SUM	PORTABLE CHANGEABLE MESSAGE SIGN (1-10)		·	
			\$	per LS	\$
7	1 LUMP SUM	CLEARING AND GRUBBING (2-01)	\$		\$
8	1 LUMP SUM	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2-02)	¢	per LS	¢
9	3,595 LINEAR	SAWCUT ACP (2-02)	\$	per LS	>
	FUUT-INCH		\$	per LF-IN	\$

() SEC	TION REFERE			April 4, 2018
ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
10	160 CUBIC YARD	ROADWAY EXCAVATION INCL. HAUL (2-03)		
			\$	\$
11	10 M CAL	WATER	perCY	
	M GAL.	(2-07)		
			\$	\$
			per M GAL.	
12	150 SQUARE FOOT	SHORING OR EXTRA EXCAVATION CLASS B (2-09)		
			\$ ner SF	\$
			per or	
13	590 TON	GRAVEL BASE (4-02)		
			\$	\$
			per TON	
14	100 TON	CRUSHED SURFACING TOP COURSE (4-04)		
			\$	\$
			per TON	
15	500 TON	HMA CL. 1/2" PG 64-22 (5-04)		
			\$	\$
			per TON	
16	375 SQUARE YARD	PLANING BITUMINOUS PAVEMENT (5-04)		
			\$ C Y	\$
			per SY	
17	0 CALC	JOB MIX COMPLIANCE PRICE ADJUSTMENT (5-04)		
			\$ -	\$ -
			CALC	
18	0 CALC	COMPACTION PRICE ADJUSTMENT (5-04)		
			\$ -	\$ -
			CALC	

() SEC	TION REFERE	NCE				April 4, 2018
ITEM NO.	QUANTITY	DESCRIPTION		UNIT PRICE		TOTAL
19	65 LINEAR FOOT	CORRUGATED POLYETHYLENE STORM SEWER PIP (7-04)	E 18 ¢	in. Diam.	¢	
			φ	per LF	φ	
20	1 LUMP SUM	ADJUSTMENTS TO FINISHED GRADE (7-05)	¢		¢	
			Ψ	per LS	Ψ	
21	1 EACH	CATCH BASIN TYPE 1L (7-05)				
			\$		\$	
				per EA		
22	1 EST	EROSION/WATER POLLUTION CONTROL (8-01)				
			\$	5,000.00	\$	5,000.00
				EST		
23	1 LUMP SUM	ESC LEAD (8-01)				
			\$	per I S	\$	
24	30 HOUR	STREET CLEANING (8-01)				
			\$		\$	
				per HR		
25	1 EACH	INLET PROTECTION (8-01)				
			\$		\$	
				per EA		
26	580 LINEAR FOOT	HIGH VISIBILITY SILT FENCE (8-01)				
			\$	per l F	\$	
27	400 SQUARE YARD	SEEDING, FERTILIZING AND MULCHING (8-01)				
			\$	0) (\$	
				per SY		

() SEC	TION REFERE	NCE				April 4, 2018
ITEM NO.	QUANTITY	DESCRIPTION		UNIT PRICE		TOTAL
28	1 EST	LANDSCAPE RESTORATION (8-02)				
			\$	5,000.00	\$	5,000.00
				EST		
29	375 LINEAR FOOT	PRECAST SLOPED MOUNTABLE CURB (8-07)	•		<u> </u>	
			\$	per I F	\$	
30	14 EACH	FLEXIBLE GUIDE POST (8-10)				
			\$		\$	
				per EA		
31	1 LUMP SUM	ILLUMINATION SYSTEM MODIFICATIONS (8-20)				
			\$		\$	
				per LS		
32	1 LUMP SUM	ITS SYSTEM MODIFICATIONS (8-20)				
			\$	per I S	\$	
33	1 LUMP SUM	PERMANENT SIGNING (8-21)				
			\$		\$	
				per LS		
34	950 LINEAR FOOT	PLASTIC LINE (8-22)				
			\$	porlE	\$	
				рег		
35	100 LINEAR FOOT	PLASTIC WIDE DOTTED ENTRY LINE (8-22)				
			\$	portE	\$	
36	15	PLASTIC YIELD LINE SYMBOL		per LF		
	EACH	(8-22)				
			\$	per EA	\$	

() SEC	TION REFERE	NCE				April 4, 2018
ITEM NO.	QUANTITY	DESCRIPTION		UNIT PRICE		TOTAL
37	155 LINEAR FOOT	PLASTIC CROSSHATCH MARKING (8-22)				
			\$	porlE	\$	
38	4 EACH	PLASTIC TRAFFIC ARROW (8-22)		рег сг		
			\$	per EA	\$	
39	15 EACH	PLASTIC TRAFFIC LETTER (8-22)		per LA		
			\$		\$	
40	485 LINEAR FOOT	REMOVING PAINT LINE (8-22)	¢	per EA	\$	
			Ψ	per LF	Ψ	
41	3 EACH	POTHOLE EXISTING UNDERGROUND UTILITY (8-30)				
			\$		\$	
42	1 EST	REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES (8-31)	;	per EA		
			\$	3,000.00	\$	3,000.00
		Total	\$	E21		

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.

Bid Proposal cont'

BIDDER IDENTIFICATION

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 cont'

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:

CASH	IN THE AMOUNT OF
CASHIER'S CHECK	DOLLARS
CERTIFIED CHECK	(\$) PAYABLE TO THE CITY OF FERNDALE
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 _____, 2018, 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 fiv	e percent (5%)
of the total bid amount appearing on the bid proposal of said principal for the w	ork hereinafter
described, for the payment of which, well and truly to be made, we bind our he	eirs, executors,
administrators and assigns, and successors and assigns, jointly and severally, f	irmly by these
presents.	

The condition of this bond is such that, whereas, the principal herein is herewith submitting his or its bid proposal for, **PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT**, 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	. 201	18.

Principal

Ву _____

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.

(Seal)



This form must be submitted with the Bid Proposal or as a Supplement to the Bid no later than 24 hours after the time for delivery of the Bid Proposal, as provided for in Section 1-02.9 of the Contract Provisions.

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (April 18, 2018), the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

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

Bidder's Business Name			
Signature of Authorized	Official*		
Printed Name			
Title			
Date	City		State
Check One:			
Sole Proprietorship 🗆	Partnership 🗆	Joint Venture 🗆	Corporation \Box
State of Incorporation, or	if not a corporatio	on, State where busi	ness entity was formed:
If a co-partnership, give fi	irm name under wl	hich business is trans	sacted:

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

SPECIFICATIONS AND CONDITIONS

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INTRO.AP1 INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2016 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

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

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

1-01.AP1 Section 1-01, Definitions and Terms August 1, 2016

1-01.3 Definitions

The following new term and definition is inserted after the eighth paragraph:

Cold Weather Protection Period - A period of time 7 days from the day of concrete placement or the duration of the cure period, whichever is longer.

1-02.AP1

Section 1-02, Bid Procedures and Conditions June 1, 2017

1-02.4(1) General

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

Any prospective Bidder desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business on the Thursday preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.6 Preparation of Proposal

In this section, "Disadvantaged Business Enterprise" is revised to read "Underutilized Disadvantaged Business Enterprise", and "DBE" is revised to read "UDBE".

1-02.9 Delivery of Proposal

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

The Contracting Agency will not open or consider any Proposal when the Proposal or Bid deposit is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals unless an emergency or unanticipated event

interrupts normal work processes of the Contracting Agency so that Proposals cannot be received.

The following new paragraph is inserted before the last paragraph:

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

1-02.12 Public Opening of Proposals

This section is supplemented with the following new paragraph:

If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be opened at the time indicated in the call for Bids the time specified for opening of Proposals will be deemed to be extended to the same time of day on the first work day on which the normal work processes of the Contracting Agency resume.

1-02.13 Irregular Proposals

In this section, "Disadvantaged Business Enterprise" is revised to read "Underutilized Disadvantaged Business Enterprise", and "DBE" is revised to read "UDBE".

1-04.AP1 Section 1-04, Scope of the Work June 1, 2017

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

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

Whenever reference is made in these Specifications or the Special Provisions to codes, rules, specifications, and standards, the reference shall be construed to mean the code, rule, specification, or standard that is in effect on the Bid advertisement date, unless otherwise stated or as required by law.

1-04.3 Reference Information

This section is supplemented with the following new sentence:

If a document that is provided as reference information contains material also included as a part of the Contract, that portion of the document shall be considered a part of the Contract and not as Reference Information.

1-04.4(2)A General

Item number 4 in the third paragraph is revised to read:

4. Provide substitution for deleted or reduced Condition of Award Work, Apprentice Utilization and Training.

1-06.AP1 Section 1-06, Control of Material August 7, 2017

This section is supplemented with the following new section and subsections:

1-06.6 Recycled Materials

The Contractor shall make their best effort to utilize recycled materials in the construction of the project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement of the Contract.

The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing within 30 calendar days after the Contract is executed. The plan shall provide the Contractor's anticipated usage of recycled materials for meeting the requirements of these Specifications. The quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material. When a Contract does not include Work that requires the use of a material that is included in the requirements for using materials the Contractor may state in their plan that no recycled materials are proposed for use.

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

1-06.6(1) Recycling of Aggregate and Concrete Materials

1-06.6(1)Å General

The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled concrete aggregate. The percentage of recycled material incorporated into the project for meeting the required percentage will be calculated in tons based on the quantity of recycled concrete used on the entire Contract and not as individual items.

If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the Contractor may choose to not use recycled concrete aggregate. If the Recycled Material Utilization Plan does not indicate the minimum usage of recycled concrete aggregate required above, or if completed project quantities do not meet the minimum usage required, the Contractor shall develop the following:

- 1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the Contract. The cost estimate shall include the following:
 - a. The estimated costs for the Work for each material with 25 percent recycled concrete aggregate. The cost estimate shall include for each material a

copy of the price quote from the supplier with the lowest total cost for the Work.

b. The estimated costs for the Work for each material without recycled concrete aggregate.

The Contractor's cost estimates shall be submitted as an attachment to the Recycled Material Utilization Plan, or with the Reporting form.

1-07.AP1 Section 1-07, Legal Relations and Responsibilities to the Public August 7, 2017

1-07.1 Laws to be Observed

The second paragraph is deleted.

In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting Agency".

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

The last three sentences of the first paragraph are deleted and replaced with the following new sentence:

The Contractor (Prime or Subcontractor) shall include sales or use tax on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project, in the unit bid prices.

1-07.3(1) Forest Fire Prevention

This section is supplemented with the following new subsections:

1-07.3(1)A Fire Prevention Control and Countermeasures Plan

The Contractor shall prepare and implement a project-specific fire prevention, control, and countermeasures plan (FPCC Plan) for the duration of the project. The Contractor shall submit a Type 2 Working Drawing no later than the date of the preconstruction conference.

1-07.3(1)A1 FPCC Plan Implementation Requirements

The Contractor's FPCC Plan shall be fully implemented at all times. The Contractor shall update the FPCC Plan throughout project construction so that the plan reflects actual site conditions and practices. The Contractor shall update the FPCC Plan at least annually and maintain a copy of the updated FPCC Plan that is available for inspection on the project site. Revisions to the FPCC Plan and the Industrial Fire Precaution Level (IFPL) shall be discussed at the weekly project safety meetings.

1-07.3(1)A2 FPCC Plan Element Requirements

The FPCC Plan shall include the following:

1. The names, titles, and contact information for the personnel responsible for implementing and updating the plan.

- 2. The names and telephone numbers of the Federal, State, and local agencies the Contractor shall notify in the event of a fire.
- 3. All potential fire causing activities such as welding, cutting of metal, blasting, fueling operations, etc.
- 4. The location of fire extinguishers, water, shovels, and other firefighting equipment.
- 5. The response procedures the Contractor shall follow in the event of a fire.

Most of Washington State is covered under the IFPL system which, by law, is managed by the Department of Natural Resources (DNR). It is the Contractor's responsibility to be familiar with the DNR requirements and to verify whether or not IFPL applies to the specific project.

If the Contractor wishes to continue a work activity that is prohibited under an industrial fire precaution level, the Contractor shall obtain a waiver from the DNR and provide a copy to the Engineer prior to continuation of work on the project.

If the IFPL requirements prohibit the Contractor from performing Work the Contractor may be eligible for an unworkable day in accordance with Section 1-08.5.

The Contractor shall comply with the requirements of these provisions at no additional cost to the Contracting Agency.

1-07.8 High-Visibility Apparel

The last paragraph is revised to read:

High-visibility garments shall be labeled as, and in a condition compliant with the ANSI/ISEA 107 (2004 or later version) and shall be used in accordance with manufacturer recommendations.

1-07.8(1) Traffic Control Personnel

In this section, references to "ANSI/ISEA 107-2004" are revised to read "ANSI/ISEA 107".

1-07.8(2) Non-Traffic Control Personnel

In this section, the reference to "ANSI/ISEA 107-2004" is revised to read "ANSI/ISEA 107".

1-07.9(2) Posting Notices

Items 1 and 2 are revised to read:

- EEOC P/E-1 (revised 11/09, supplemented 09/15) Equal Employment Opportunity IS THE LAW published by US Department of Labor. Post for projects with federal-aid funding.
- 2. FHWA 1022 (revised 05/15) **NOTICE Federal-Aid Project** published by Federal Highway Administration (FHWA). Post for projects with federal-aid funding.

Items 5, 6 and 7 are revised to read:

- WHD 1420 (revised 02/13) 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 01/16) **Employee Polygraph Protection Act** published by US Department of Labor. Post on all projects.
- 7. F416-081-909 (revised 09/15) **Job Safety and Health Law** published by Washington State Department of Labor and Industries. Post on all projects.

Items 9 and 10 are revised to read:

- 9. F700-074-909 (revised 06/13) **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 10/15) **Unemployment Benefits** published by Washington State Employment Security Department. Post on all projects.

1-07.15(1) Spill Prevention, Control, and Countermeasures Plan

The second sentence of the first paragraph is deleted.

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

The SPCC Plan shall address all fuels, petroleum products, hazardous materials, and other materials defined in Chapter 447 of the WSDOT Environmental Manual M 31-11.

Item number four of the fourth paragraph (up until the colon) is revised to read:

4. **Potential Spill Sources** – Describe each of the following for all potentially hazardous materials brought or generated on-site, including but not limited to materials used for equipment operation, refueling, maintenance, or cleaning:

The first sentence of item 7e of the fourth paragraph is revised to read:

BMP methods and locations where they are used to prevent discharges to ground or water during mixing and transfer of hazardous materials and fuel.

The last paragraph is deleted.

1-08.AP1 Section 1-08, Prosecution and Progress June 1, 2017

1-08.1 Subcontracting

The eighth and ninth paragraphs are revised to read:

On all projects, the Contractor shall certify to the actual amounts paid to all firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This includes all Disadvantaged, Minority, Small, Veteran or Women's Business Enterprise firms. This Certification shall be submitted to the Engineer on

a monthly basis each month between Execution of the Contract and Physical Completion of the Contract using the application available at: https://wsdot.diversitycompliance.com. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

The Contractor shall comply with the requirements of RCW 39.04.250, 39.76.011, 39.76.020, and 39.76.040, in particular regarding prompt payment to Subcontractors. Whenever the Contractor withholds payment to a Subcontractor for any reason including disputed amounts, the Contractor shall provide notice within 10 calendar days to the Subcontractor with a copy to the Contracting Agency identifying the reason for the withholding and a clear description of what the Subcontractor must do to have the withholding released. Retainage withheld by the Contractor prior to completion of the Subcontractors work is exempt from reporting as a payment withheld and is not included in the withheld amount. The Contracting Agency's copy of the notice to Subcontractor for deferred payments shall be submitted to the Engineer concurrently with notification to the Subcontractor.

1-08.1(1) Prompt Payment, Subcontract Completion and Return of Retainage Withheld In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

The last sentence in item number 11 of the first paragraph is revised to read:

The Contractor may also require any documentation from the Subcontractor that is required by the subcontract or by the Contract between the Contractor and Contracting Agency or by law such as affidavits of wages paid, and material acceptance certifications to the extent that they relate to the Subcontractor's Work.

Item number 12 of the first paragraph is revised to read:

12. If the Contractor fails to comply with the requirements of the Specification and the Subcontractor's retainage or retainage bond is wrongfully withheld, the Contractor will be subject to the actions described in No. 7 listed above. The Subcontractor may also seek recovery against the Contractor under applicable prompt pay statutes in addition to any other remedies provided for by the subcontract or by law.

1-08.5 Time for Completion

In item 2c of the last paragraph, "Quarterly Reports" is revised to read "Monthly Reports".

1-09.AP1

Section 1-09, Measurement and Payment April 4, 2016

1-09.6 Force Account

The second sentence of item number 4 is revised to read:

A "specialized service" is a work operation that is not typically done by worker classifications as defined by the Washington State Department of Labor and Industries and by the Davis Bacon Act, and therefore bills by invoice for work in road, bridge and municipal construction.

1-10.AP1 Section 1-10, Temporary Traffic Control January 3, 2017

1-10.1(2) Description

The first paragraph is revised to read:

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

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

The following new paragraph is inserted after the third paragraph:

The Contractor shall keep lanes, on-ramps, and off-ramps, open to traffic at all times except when Work requires closures. Ramps shall not be closed on consecutive interchanges at the same time, unless approved by the Engineer. Lanes and ramps shall be closed for the minimum time required to complete the Work. When paving hot mix asphalt the Contractor may apply water to the pavement to shorten the time required before reopening to traffic.

1-10.3(2)C Lane Closure Setup/Takedown

The following new paragraph is inserted before the last paragraph:

Channelization devices shall not be moved by traffic control personnel across an open lane of traffic. If an existing setup or staging of traffic control devices require crossing an open lane of traffic, the traffic control devices shall be taken down completely and then set up in the new configuration.

2-02.AP2 Section 2-02, Removal of Structures and Obstructions August 7, 2017

2-02.3(2) A Bridge Removal This section's title is revised to read:

Bridge and Structure Removal

2-03.AP2 Section 2-03, Roadway Excavation and Embankment August 1, 2016

2-03.3(7)C Contractor-Provided Disposal Site

The second paragraph is revised to read:

The Contractor shall acquire all permits and approvals required for the use of the disposal sites before any waste is hauled off the project. The Contractor shall submit a Type 1 Working Drawing consisting of copies of the permits and approvals for any disposal sites to be used. The cost of any such permits and approvals shall be included in the Bid prices for other Work.

The third paragraph is deleted.

2-06.AP2 Section 2-06, Subgrade Preparation January 3, 2017

2-06.3(2) Subgrade for Pavement

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

The Contractor shall compact the Subgrade to a depth of 6 inches to 95 percent of maximum density as determined by the compaction control tests for granular materials.

3-04.AP3 Section 3-04, Acceptance of Aggregate January 3, 2017

3-04.5 Payment

In Table 1, the **Contingent Unit Price Per Ton** value for the item HMA Aggregate is revised to read "\$15.00".

4-04.AP4 Section 4-04, Ballast and Crush Surfacing January 3, 2017

4-04.3(5) Shaping and Compaction

The first sentence is revised to read:

Immediately following spreading and final shaping, each layer of surfacing shall be compacted to at least 95 percent of maximum density determined by the requirements of Section 2-03.3(14)D before the next succeeding layer of surfacing or pavement is placed.

7-08.AP7

Section 7-08, General Pipe Installation Requirements January 3, 2017

7-08.3(1)A Trenches

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

The embankment material shall be compacted to 95 percent of maximum density and the moisture content at the time of compaction shall be between optimum and 3 percentage points below optimum as determined by the Compaction Control Tests specified in Section 2-03.3(14)D.

8-01.AP8 Section 8-01, Erosion Control and Water Pollution Control August 1, 2016

8-01.2 Materials

This section is supplemented with the following new paragraph:

Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

8-01.3(7) Stabilized Construction Entrance

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

Material used for stabilized construction entrance shall be free of extraneous materials that may cause or contribute to track out.

8-01.3(8) Street Cleaning

This section is revised to read:

Self-propelled street sweepers shall be used to remove and collect sediment and other debris from the Roadway, whenever required by the Engineer. The street sweeper shall effectively collect these materials and prevent them from being washed or blown off the Roadway or into waters of the State. Street sweepers shall not generate fugitive dust and shall be designed and operated in compliance with applicable air quality standards.

Material collected by the street sweeper shall be disposed of in accordance with Section 2-03.3(7)C.

Street washing with water will require the concurrence of the Engineer.

8-10.AP8 Section 8-10, Guide Posts January 4, 2016

8-10.3 Construction Requirements

The last sentence of the second paragraph is deleted.

8-20.AP8 Section 8-20, Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical August 7, 2017

8-20.1 Description

This section is supplemented with the following new subsection:

8-20.1(3) Permitting and Inspections

Electrical installations are subject to electrical inspection in accordance with RCW 19.28.101. Electrical inspections may only be performed by an electrical inspector meeting the requirements of RCW 19.28.321. Electrical installations will not be accepted until they have been inspected and approved by an electrical inspector as required by this Section. This

inspection is required even if there is no new electrical service or new electrical meter being installed in the Contract.

Installations within WSDOT right of way are subject to a minimum of a final inspection by a WSDOT certified electrical inspector as allowed by RCW 19.28.141. A separate permit is not required for electrical installations within WSDOT right of way. Additional inspections may be required at the discretion of the Engineer.

Installations outside of WSDOT right of way are subject to permitting and inspection by the Washington State Department of Labor and Industries (L&I) or a local jurisdiction approved for that location by L&I. Approved local jurisdictions and their contacts may be found on the L&I website at http://www.lni.wa.gov/TradesLicensing/Electrical/FeePermInsp/CityInspectors/.

8-20.1(1) Regulations and Code

The second paragraph is revised to read:

Wherever reference is made in these Specifications or in the Special Provisions to the Code, the rules, or the standards mentioned above, the reference shall be construed to mean the code, rule, or standard that is in effect on the Bid advertisement date.

8-20.3(5)A General

The last paragraph is revised to read:

Immediately after the sizing mandrel has been pulled through, install an equipment grounding conductor if applicable (see Section 8-20.3(9)) and any new or existing wire or cable as specified in the Plans. Where conduit is installed for future use, install a 200-pound minimum tensile strength pull string with the equipment grounding conductor. The pull string shall be attached to duct plugs or caps at both ends of the conduit.

8-20.3(5)A1 Fiber Optic Conduit

The last paragraph is deleted.

8-20.3(5)B Conduit Type

The second and third paragraphs are deleted and replaced with the following new paragraph:

PVC and HDPE conduits shall be Schedule 80 unless installed as innerduct.

8-20.3(5)D Conduit Placement

Item number 2 is revised to read:

2. 24-inches below the top of the untreated surfacing on a Roadbed.

8-20.3(9) Bonding, Grounding

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

Install an equipment grounding conductor in all new conduit, whether or not the equipment grounding conductor is called for in the wire schedule.

For each new conduit with innerduct install an equipment grounding conductor in only one of the innerducts unless otherwise required by the NEC or the Plans.

The fourth paragraph (after the preceding Amendments are applied) is revised to read:

Bonding jumpers and equipment grounding conductors meeting the requirements of Section 9-29.3(2)A3 shall be minimum #8 AWG, installed in accordance with the NEC. Where existing conduits are used for the installation of new circuits, an equipment grounding conductor shall be installed unless an existing equipment ground conductor, which is appropriate for the largest circuit, is already present in the existing raceway. The equipment ground conductor between the isolation switch and the sign lighter fixtures shall be minimum #14 AWG stranded copper conductor. Where parallel circuits are enclosed in a common conduit, the equipment-grounding conductor shall be sized by the largest overcurrent device serving any circuit contained within the conduit.

The second sentence of the fifth paragraph (after the preceding Amendments are applied) is revised to read:

A non-insulated stranded copper conductor, minimum #8 AWG with a full circle crimp on connector (crimped with a manufacturer recommended crimper) shall be connected to the junction box frame or frame bonding stud, the other end shall be crimped to the equipment bonding conductor, using a "C" type crimp connector.

The last two sentences of the sixth paragraph (after the preceding Amendments are applied) are revised to read:

For light standards, signal standards, cantilever and sign bridge Structures the supplemental grounding conductor shall be #4 AWG non-insulated stranded copper conductor. For steel sign posts which support signs with sign lighting or flashing beacons the supplemental grounding conductor shall be #6 AWG non insulated stranded copper conductor.

The fourth to last paragraph is revised to read:

Install a two grounding electrode system at each service entrance point, at each electrical service installation and at each separately derived power source. The service entrance grounding electrode system shall conform to the "Service Ground" detail in the Standard Plans. If soil conditions make vertical grounding electrode installation impossible an alternate installation procedure as described in the NEC may be used. Maintain a minimum of 6 feet of separation between any two grounding electrodes within the grounding system. Grounding electrodes shall be bonded copper, ferrous core materials and shall be solid rods not less than 10 feet in length if they are $\frac{1}{2}$ inch in diameter or not less than 8 feet in length if they are $\frac{5}{8}$ inch or larger in diameter.

8-20.3(13)A Light Standards

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

All new and relocated metal light standards shall be numbered for identification using painted 4 inch block gothic letters (similar to series C highway lettering) and numbers installed 3 feet above the base facing the Traveled Way.

The numbered list in the second to last paragraph is deleted and replaced with the following:

NN CC-SSSS VVV

Where:

NN –	Is the pole number as identified in the Plans. May be one or more characters.
CC –	Is the circuit letter as identified in the Plans. May be one or more characters.

- **SSSS** Is he service cabinet number as identified in the Plans. Do not include the two or three letter prefix. Up to four digits do not include leading zeros.
- **VVV** Is the operating voltage of the luminaire. Always three digits.

8-20.3(13)C Luminaires

The first paragraph is revised to read:

The Contractor shall mark the installation date on the inside of the luminaire ballast or driver housing using a permanent marking pen.

8-22.AP8 Section 8-22, Pavement Marking August 7, 2017

8-22.3(6) Removal of Pavement Markings

This section is revised to read:

Pavement markings to be removed shall be obliterated until all blemishes caused by the pavement marking removal conform to the coloration of the adjacent pavement.

Grinding to remove pavement markings in their entirety is allowed in areas designated for applications of either Hot Mix Asphalt (HMA) or Bituminous Surface Treatment (BST). Pavement marking removal shall be performed from April 1st through September 30th and only in those areas that shall be paved within the same time window as the grinding, unless otherwise allowed by the Engineer in writing.

For all cement concrete pavement and areas that will not be overlaid with hot mix asphalt or BST, grinding is allowed to a depth just above the pavement surface and then Water blasting or shot blasting shall be required to remove the remaining pavement markings.

If in the opinion of the Engineer, the pavement is materially damaged by pavement marking removal, such damage shall be repaired by the Contractor in accordance with Section 1-07.13(1). Sand or other material deposited on the pavement as a result of removing lines and markings shall be removed as the Work progresses to avoid hazardous conditions. Accumulation of sand or other material which might interfere with drainage will not be permitted.

8-22.4 Measurement

The first two sentences of the fourth paragraph are revised to read:

The measurement for "Painted Wide Lane Line", "Plastic Wide Lane Line", "Profiled Plastic Wide Lane Line", "Painted Barrier Center Line", "Plastic Barrier Center Line", "Painted Stop Line", "Plastic Stop Line", "Painted Wide Dotted Entry Line", or "Plastic Wide Dotted Entry Line" will be based on the total length of each painted, plastic or profiled plastic line installed. No deduction will be made for the unmarked area when the marking includes a broken line such as, wide broken lane line, drop lane line, wide dotted lane line or wide dotted entry line.

8-22.5 Payment

The following two new Bid items are inserted after the Bid item "Plastic Crosshatch Marking", per linear foot:

"Painted Wide Dotted Entry Line", per linear foot.

"Plastic Wide Dotted Entry Line", per linear foot.

9-01.AP9 Section 9-01, Portland Cement August 7, 2017

This section's title is revised to read:

Cement

9-01.1 Types of Cement

This section is revised to read:

Cement shall be classified as portland cement, blended hydraulic cement, or rapid hardening hydraulic cement.

9-01.2(2) Vacant

This section, including title, is revised to read:

9-01.2(2) Rapid Hardening Hydraulic Cement

Rapid hardening hydraulic cement shall meet the requirements of ASTM C 1600.

9-01.2(3) Low Alkali Cement

This section is renumbered as follows:

9-01.2(1)A Low Alkali Cement

9-01.2(4) Blended Hydraulic Cement

This section is renumbered as follows:

9-01.2(1)B Blended Hydraulic Cement

In the first paragraph, items number 3 through 5 are revised to read:

3. Type IT(PX)(LY), where (PX) equals the targeted percentage of pozzolan, and (LY) equals the targeted percentage of limestone. The pozzolan (PX) shall be Class F fly ash and shall be a maximum of 35 percent. (LY) shall be a minimum of 5 percent and a maximum of 15 percent. Separate testing of each source of fly ash at each proposed

replacement level shall be conducted in accordance with ASTM C1012. Expansion at 180 days shall be 0.10 percent or less.

- 4. Type IT(SX)(LY), where (SX) equals the targeted percentage of slag cement, and (LY) equals the targeted percentage of limestone. (SX) shall be a maximum of 50 percent. (LY) shall be a minimum of 5 percent and a maximum of 15 percent. Separate testing of each source of slag at each proposed replacement level shall be conducted in accordance with ASTM C1012. Expansion at 180 days shall be 0.10 percent or less.
- 5. Type IL(X), where (X) equals the targeted percentage of limestone, and shall be a minimum of 5 percent and a maximum of 15 percent. Testing shall be conducted in accordance with ASTM C1012. Expansion at 180 days shall be 0.10 percent or less.

9-01.3 Tests and Acceptance

The second paragraph is revised to read:

Cement producers/suppliers that certify portland cement or blended hydraulic cement shall participate in the Cement Acceptance Program as described in WSDOT Standard Practice QC 1. Rapid hardening hydraulic cement producers/suppliers are not required to participate in WSDOT Standard Practice QC 1.

9-03.AP9 Section 9-03, Aggregates August 7, 2017

9-03.1(1) General Requirements

In this section, each reference to "Section 9-01.2(3)" is revised to read "Section 9-01.2(1)A".

This first paragraph is supplemented with the following:

Reclaimed aggregate may be used if it complies with the specifications for Portland Cement Concrete. Reclaimed aggregate is aggregate that has been recovered from plastic concrete by washing away the cementitious materials.

9-03.1(2) Fine Aggregate for Portland Cement Concrete

This section is revised to read:

Fine aggregate shall consist of natural sand or manufactured sand, or combinations thereof, accepted by the Engineer, having hard, strong, durable particles free from adherent coating. Fine aggregate shall be washed thoroughly to meet the specifications.

9-03.1(2)A Deleterious Substances

This section is revised to read:

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 6 and not exceed the following values:

Material finer than No. 200 Sieve	2.5 percent by weight
Clay lumps and friable particles	3.0 percent by weight
Coal and lignite	0.25 percent by weight

Particles of specific gravity less than 2.00 1.0 percent by weight.

Organic impurities shall be tested in accordance with AASHTO T 21 by the glass color standard procedure and results darker than organic plate no. 3 shall be rejected. A darker color results from AASHTO T 21 may be used provided that when tested for the effect of organic impurities on strength of mortar, the relative strength at 7 days, calculated in accordance with AASHTO T 71, is not less than 95 percent.

9-03.1(4) Coarse Aggregate for Portland Cement Concrete

This section is revised to read:

Coarse aggregate for concrete shall consist of gravel, crushed gravel, crushed stone, or combinations thereof having hard, strong, durable pieces free from adherent coatings. Coarse aggregate shall be washed to meet the specifications.

9-03.1(4)A Deleterious

This section, including title, is revised to read:

9-03.1(4)A Deleterious Substances

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 80 and not exceed the following values:

Material finer than No. 200	1.0^1 percent by weight
Clay lumps and Friable Particles	2.0 percent by weight
Shale	2.0 percent by weight
Wood waste	0.05 percent by weight
Coal and Lignite	0.5 percent by weight
Sum of Clay Lumps, Friable Particles, and	
Chert (Less Than 2.40 specific gravity SSD)	3.0 percent by weight

¹If the material finer than the No. 200 sieve is free of clay and shale, this percentage may be increased to 1.5.

9-03.1(4)C Grading

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

Where coarse aggregate size 467 is used, the aggregate may be furnished in at least two separate sizes.

9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete

This section is revised to read:

As an alternative to using the fine aggregate sieve grading requirements in Section 9-03.1(2)B, and coarse aggregate sieve grading requirements in Section 9-03.1(4)C, a combined aggregate gradation conforming to the requirements of Section 9-03.1(5)A may be used.

9-03.1(5)A Deleterious Substances

This section is revised to read:

The amount of deleterious substances in the washed aggregates $\frac{3}{8}$ inch or larger shall not exceed the values specified in Section 9-03.1(4)A and for aggregates smaller than $\frac{3}{8}$ inch they shall not exceed the values specified in Section 9-03.1(2)A.

9-03.1(5)B Grading

The first paragraph is deleted.

9-03.8(2) HMA Test Requirements

In the table in item number 3, the heading "Statistical and Nonstatistical" is revised to read "Statistical".

9-03.8(7) HMA Tolerances and Adjustments

In the table in item number 1, the column titled "Nonstatistical Evaluation" is deleted.

In the table in item 1, the last column titled "Commercial Evaluation" is revised to read "Visual Evaluation".

9-03.11(1) Streambed Sediment

The following three new sentences are inserted after the first sentence of the first paragraph:

Alternate gradations may be used if proposed by the Contractor and accepted by the Engineer. The Contractor shall submit a Type 2 Working Drawing consisting of 0.45 power maximum density curve of the proposed gradation. The alternate gradation shall closely follow the maximum density line and have Nominal Aggregate Size of no less than $1\frac{1}{2}$ inches or no greater than 3 inches.

9-03.12(4) Gravel Backfill for Drains

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

As an alternative, AASHTO grading No. 57 may be used in accordance with Section 9-03.1(4)C.

9-03.12(5) Gravel Backfill for Drywells

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

As an alternative, AASHTO grading No. 4 may be used in accordance with Section 9-03.1(4)C.

9-03.21(1)B Concrete Rubble

This section, including title, is revised to read:

9-03.21(1)B Recycled Concrete Aggregate

Recycled concrete aggregates are coarse aggregates manufactured from hardened concrete mixtures. Recycled concrete aggregate may be used as coarse aggregate or blended with coarse aggregate for Commercial Concrete. Recycled concrete aggregate shall meet all of the requirements for coarse aggregate contained in Section 9-03.1(4) or 9-03.1(5). In addition to the requirements of Section 9-03.1(4) or 9-03.1(5), recycled concrete shall:

1. Contain an aggregated weight of less than 1 percent of adherent fines, vegetable matter, plastics, plaster, paper, gypsum board, metals, fabrics, wood, tile, glass,

asphalt (bituminous) materials, brick, porcelain or other deleterious substance(s) not otherwise noted;

- 2. Be free of components such as chlorides and reactive materials that are detrimental to the concrete, unless mitigation measures are taken to prevent recurrence in the new concrete;
- 3. Have an absorption of less than 10 percent when tested in accordance with AASHTO T 85.
- 4. Be considered mechanically fractured and therefore be considered part of the total fracture calculation as determined by the FOP for AASHTO T 335.

Recycled concrete aggregate shall be in a saturated condition prior to mixing.

Recycled concrete aggregate shall not be placed below the ordinary high water mark of any surface water of the State.

9-03.21(1)D Recycled Steel Furnace Slag

This section title is revised to read:

Steel Slag

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

In the Hot Mix Asphalt column, each value of "20" is revised to read "25".

The last column heading "Steel Furnace Slag" is revised to read "Steel Slag".

The following new row is inserted after the second row:

|--|

9-04.AP9 Section 9-04, Joint and Crack Sealing Materials January 3, 2017

This section is supplemented with the following two new subsections:

9-04.11 Butyl Rubber Sealant

Butyl rubber sealant shall conform to ASTM C 990.

9-04.12 External Sealing Band

External sealing band shall by Type III B conforming to ASTM C 877.

9-04.1(2) Premolded Joint Filler for Expansion Joints

This section is supplemented with the following:

As an alternative to the above, a semi-rigid, non-extruding, resilient type, closed-cell polypropylene foam, preformed joint filler with the following physical properties as tested to AASHTO T 42 Standard Test Methods may be used.

Closed-Cell Polypropylene Foam Preformed Joint Filler		
Physical Property	Requirement	Test Method
Water Absorption	< 1.0%	AASHTO T 42
Compression Recovery	> 80%	AASHTO T 42
Extrusion	< 0.1 in.	AASHTO T 42
Density	> 3.5 lbs./cu.ft.	AASHTO T 42
Water Boil (1 hr.)	No expansion	AASHTO T 42
Hydrochloric Acid Boil (1 hr.)	No disintegration	AASHTO T 42
Heat Resistance °F	392°F± 5°F	ASTM D 5249

9-04.2(1) Hot Poured Joint Sealants

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

9-04.2(1)A Hot Poured Sealant

Hot poured sealant shall be sampled in accordance with ASTM D5167 and tested in accordance with ASTM D5329.

9-04.2(1)A1 Hot Poured Sealant for Cement Concrete Pavement

Hot poured sealant for cement concrete pavement shall meet the requirements of ASTM D6690 Type IV, except for the following:

- 1. The Cone Penetration at 25°C shall be 130 maximum.
- 2. The extension for the Bond, non-immersed, shall be 100 percent.

9-04.2(1)A2 Hot Poured Sealant for Bituminous Pavement

Hot poured sealant for bituminous pavement shall meet the requirements of ASTM D6690 Type I or Type II.

9-04.2(1)B Sand Slurry for Bituminous Pavement

Sand slurry is mixture consisting of the following components measured by total weight:

- 1. Twenty percent CSS-1 emulsified asphalt,
- 2. Two percent portland cement, and
- Seventy-eight percent fine aggregate meeting the requirements of 9-03.1(2)B Class
 Fine aggregate may be damp (no free water).

9-04.2(2) Poured Rubber Joint Sealer

The last paragraph is deleted.

9-04.4(1) Rubber Gaskets for Concrete Pipes and Precast Manholes "AASHTO M 198" is revised to read "ASTM C 990".
9-04.4(3) Gaskets for Aluminum or Steel Culvert or Storm Sewer Pipe In the last sentence, "AASHTO M 198" is revised to read "ASTM C 990".

9-14.AP9 Section 9-14, Erosion Control and Roadside Planting August 7, 2017

9-14.4(2) Hydraulically Applied Erosion Control Products (HECPs)

The first paragraph is revised to read:

All HECPs shall be made of natural plant fibers unaltered by synthetic materials, and in a dry condition, free of noxious weeds, seeds, chemical printing ink, germination inhibitors, herbicide residue, chlorine bleach, rock, metal, plastic, and other materials detrimental to plant life.

The last sentence of the third paragraph is revised to read the following two sentences:

Under no circumstances will field mixing of additives or components be acceptable, with the exception of seed and water. The product shall be hydrated in accordance with the manufacturer's recommendations.

In Table 1 of the fourth paragraph, the following new row is inserted below the table heading:

These test requirements apply to the fully mixed product, including tackifiers, dyes, or other additives that may be included in the HECP final product in its sprayable form.

The last two paragraphs are revised to read:

If the HECP contains a dye to facilitate placement and inspection of the material, it shall be nontoxic to plants, animals, and aquatic life and shall not stain concrete or painted surfaces.

The HECP shall not be harmful to plants, animals, and aquatic life.

9-14.4(4) Wood Strand Mulch

The last paragraph is revised to read:

The Contractor shall provide a test report performed in accordance with WSDOT T 125 demonstrating compliance to this specification prior to acceptance. This product shall not be harmful to plants, animals, and aquatic life.

9-14.4(7) Tackifier

The first paragraph is supplemented with the following:

Tackifiers shall include a mulch tracer added to visible aid uniform application, and shall not be harmful to plants, animals, or aquatic life.

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

The Contractor shall provide test results documenting the tackifier and mulch tracer meets the requirements for Acute Toxicity, Solvents, and Heavy Metals as required in Table 1 in Section 9-14.4(2).

9-14.4(7)A Organic Tackifier

This section is revised to read:

Organic tackifiers shall be derived from natural plant sources and shall not be harmful to plants, animals, and aquatic life.

9-14.4(7)B Synthetic Tackifier

This section is revised to read:

Synthetic tackifiers shall not be harmful to plants, animals, and aquatic life.

9-14.5(2) Biodegradable Erosion Control Blanket

The first paragraph is revised to read:

Biodegradable erosion control blankets, including netting if present, shall be made of natural plant fibers unaltered by synthetic materials. All blanket material shall effectively perform the intended erosion control function until permanent vegetation has been established, or for a minimum of 6 months, whichever comes first.

9-14.5(4)A Biodegradable Check Dams

This section is revised to read:

Biodegradable check dams shall meet the following requirements:

Wattle	Section 9-14.5(5)
Compost Sock	Section 9-14.5(6)
Coir Log	Section 9-14.5(7)

The Contractor may substitute a different biodegradable check dam as long as it complies with the following and is accepted by the Engineer:

- 1. Made of natural plant fiber unaltered by synthetic material.
- 2. Netting if present shall be made of natural plant fibers unaltered by synthetic materials. Materials shall effectively perform the intended erosion control function until permanent vegetation has been established or for a minimum of 6 months, whichever comes first.
- 3. Straw bales shall not be used as check dams.

9-14.5(5) Wattles

This section is revised to read:

Wattles shall consist of cylinders of plant material such as weed-free straw, coir, wood chips, excelsior, or wood fiber or shavings encased within netting made of natural plant fibers unaltered by synthetic materials. Wattles shall be a minimum of 8 inches in diameter. Netting

material shall be clean, evenly woven, and free of encrusted concrete or other contaminating materials such as preservatives. Netting material shall be free from cuts, tears, or weak places and shall effectively perform the intended erosion control function until permanent vegetation has been established or for a minimum of 6 months, whichever comes first.

If wood chip filler is used, it shall meet the material requirements as specified in Section 9-14.4(3). If straw filler is used, it shall meet the material requirements as specified in Section 9-14.4(1). If wood shavings are used, 80 percent of the fibers shall have a minimum length of 6 inches between 0.030 and 0.50 inches wide and between 0.017 and 0.13 inches thick.

Stakes for wattles shall be made of wood from untreated Douglas fir, hemlock, or pine species.

9-14.5(6) Compost Socks

This section is revised to read:

Compost socks shall consist of fabric made of natural plant fibers unaltered by synthetic materials. The compost sock shall be filled with Medium Compost as specified in Section 9-14.4(8). Compost socks shall be at least 8 inches in diameter. The sock shall be clean, evenly woven; free of encrusted concrete or other contaminating materials; free from cuts, tears, broken or missing yarns; free of thin, open, or weak areas; and free of any type of preservative. Sock fabric shall effectively perform the intended erosion control function until permanent vegetation has been established or for a minimum of 6 months, whichever comes first.

Stakes for compost socks shall be made of wood from untreated Douglas fir, hemlock, or pine species.

9-28.AP9 Section 9-28, Signing Materials and Fabrication April 3, 2017

9-28.14(3) Aluminum Structures

This section is revised to read:

Welding of aluminum shall be in accordance with AWS D1.2/D1.2M, latest edition, Structural Welding Code – Aluminum.

Aluminum alloy filler metals utilized on anodized structures shall result in color matching to base metals.

9-29.AP9 Section 9-29, Illumination, Signal, Electrical August 7, 2017

9-29.2 Junction Boxes, Cable Vaults, and Pull Boxes

This section is supplemented with the following new subsections:

9-29.2(5) Testing Requirements

The Contractor shall provide for testing of junction boxes, cable vaults and pull boxes. Junction boxes, cable vaults and pull boxes shall be tested by an independent materials testing facility, and a test report issued documenting the results of the tests performed.

For each junction box, vault and pull box type, the independent testing laboratory shall meet the requirements of AASHTO R 18 for Qualified Tester and Verified Test Equipment. The test shall be conducted in the presence of a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural, and each test sheet shall have the Professional Engineer's original signature, date of signature, original seal, and registration number. One copy of the test report shall be furnished to the Contracting Agency certifying that the box and cover meet or exceed the loading requirements for that box type, and shall include the following information:

- 1. Product identification.
- 2. Date of testing.
- 3. Description of testing apparatus and procedure.
- 4. All load deflection and failure data.
- 5. Weight of box and cover tested.
- 6. Upon completion of the required test(s) the box shall be loaded to failure or to the maximum load possible on the testing machine (70,000 pounds minimum).
- 7. A brief description of type and location of failure or statement that the testing machine reached maximum load without failure of the box.

9-29.2(5)A Standard Duty Boxes and Vaults

Standard Duty Concrete Junction Boxes, Cable Vaults, and Pull Boxes shall be load tested to 22,500 pounds. The test load shall be applied uniformly through a 10 by 10 by 1-inch steel plate centered on the lid. The test load shall be applied and released ten times, and the deflection at the test load and released state shall be recorded for each interval. At each interval the junction box shall be inspected for lid deformation, failure of the lid/frame welds, vertical and horizontal displacement of the lid/frame, cracks, and concrete spalling.

Concrete junction boxes will be considered to have withstood the test if none of the following conditions are exhibited:

- 1. Permanent deformation of the lid or any impairment to the function of the lid.
- 2. Vertical or horizontal displacement of the lid frame.
- 3. Cracks wider than 0.012 inches that extend 12 inches or more.

- 4. Fracture or cracks passing through the entire thickness of the concrete.
- 5. Spalling of the concrete.

9-29.2(5)B Retrofit Security Lids for Standard Duty Concrete Junction Boxes

Security lids used to retrofit existing Standard Duty Concrete Junction Boxes shall be tested as follows:

- 1. The security lid shall be installed on any appropriately sized box that is currently approved on the Qualified Products List.
- 2. The security lid and box assembly shall be load tested in accordance with Section 9-29.2(5)A. After the ten load cycles but before loading to failure, the security lid shall be fully opened and removed to verify operability.
- 3. The locking mechanism(s) shall be tested as follows:
 - a. The locking mechanism shall be cycled 250 times (locked, then unlocked again) at room temperature (60-80°F). If there is more than one identical locking mechanism, only one needs to be cycled in this manner.
 - b. Temperature changes should be limited to no more than 60°F per hour.
 - c. The security lid shall be cooled to and held at -30°F for 15 minutes. The locking mechanism shall then be cycled once to verify operation at this temperature.
 - d. The security lid shall be heated to and held at 120-122°F for 15 minutes. The locking mechanism shall then be cycled once to verify operation at this temperature.
 - e. The security lid shall be temperature adjusted to and held at 110°F and 95% humidity for 15 minutes. The locking mechanism shall then be cycled once to verify operation at this temperature and humidity.

9-29.2(5)C Standard Duty Non-Concrete Junction Boxes

Non-concrete Junction Boxes shall be tested as defined in the ANSI/SCTE 77 Tier 15 test method using the test load of 22,500 pounds (minimum) in place of the design load during testing. In addition, the Contractor shall provide a Manufacturer Certificate of Compliance for each non-concrete junction box installed.

9-29.2(5)D Heavy-Duty Boxes and Vaults

Heavy-Duty Junction Boxes, Cable Vaults, and Pull Boxes shall be load tested to 46,000 pounds. The test load shall be applied vertically through a 10 by 20 by 1-inch steel plate centered on the lid with an orientation both on the long axis and the short axis of the junction box. The test load shall be applied and released ten times on each axis. The deflection at the test load and released state shall be recorded for each interval. At each interval the test box shall be inspected for lid deformation, failure of the lid or frame welds, vertical and horizontal displacement of the lid frame, cracks, and concrete spalling. After the twentieth loading interval the test shall be terminated with a 60,000

pound load being applied vertically through the steel plate centered on the lid and with the long edge of steel plate orientated parallel to the long axis of the box.

Heavy-Duty Junction Boxes will be considered to have withstood the 46,000 pound test if none of the following conditions are exhibited:

- 1. Permanent deformation of the lid or any impairment to the function of the lid.
- 2. Vertical or horizontal displacement of the lid frame.
- 3. Cracks wider than 0.012 inches that extend 12 inches or more.
- 4. Fracture or cracks passing through the entire thickness of the concrete.
- 5. Spalling of the concrete.

Heavy-Duty Junction Boxes will be considered to have withstood the 60,000 pound test if all of the following conditions are exhibited:

- 1. The lid is operational.
- 2. The lid is securely fastened.
- 3. The welds have not failed.
- 4. Permanent dishing or deformation of the lid is $\frac{1}{4}$ inch or less.
- 5. No buckling or collapse of the box.

9-29.2(1) Standard Duty and Heavy Duty Junction Boxes

This section, including title, is revised to read:

9-29.2(1) Junction Boxes

For the purposes of this Specification concrete is defined as portland cement concrete and non-concrete is all others.

The Contractor shall provide shop drawings for all components, hardware, lid, frame, reinforcement, and box dimensions. The shop drawings shall be prepared by (or under the supervision of) a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural. Each sheet shall carry the following:

- 1. Professional Engineer's original signature, date of signature, original seal, and registration number. If a complete assembly drawing is included which references additional drawing numbers, including revision numbers for those drawings, then only the complete assembly drawing is required to be stamped.
- 2. The initials and dates of all participating design professionals.
- 3. Clear notation of all revisions including identification of who authorized the revision, who made the revision, and the date of the revision.

Design calculations shall carry on the cover page, the Professional Engineer's original signature, date of signature, original seal, and registration number.

For each type of junction box, or whenever there is a change to the junction box design, a proof test, as defined in this Specification, shall be performed and new shop drawings submitted.

9-29.2(1)A Standard Duty Junction Boxes

This section is revised to read:

Standard Duty Junction Boxes are defined as Type 1, 2 and 8 junction boxes and shall have a minimum load rating of 22,500 pounds and be tested in accordance with Section 9-29.2(5). A complete Type 8 Junction Box includes the spread footing shown in the Standard Plans. All Standard Duty Junction Boxes placed in sidewalks, walkways, and shared use paths shall have slip resistant surfaces. Non-slip lids and frames shall be hot dip galvanized in accordance with AASHTO M111.

9-29.2(1)A1 Concrete Junction Boxes

The Standard Duty Concrete Junction Box steel frame, lid support, and lid shall be painted with a black paint containing rust inhibiters or painted with a shop applied, inorganic zinc primer in accordance with Section 6-07.3, or hot-dip galvanized in accordance with AASHTO M 111.

Concrete used in Standard Duty Junction Boxes shall have a minimum compressive strength of 6,000 psi when reinforced with a welded wire hoop, or 4,000 psi when reinforced with welded wire fabric or fiber reinforcement. The frame shall be anchored to the box by welding headed studs $\frac{3}{8}$ by 3 inches long, as specified in Section 9-06.15, to the frame. The wire fabric shall be attached to the studs and frame with standard tie practices. The box shall contain ten studs located near the centerline of the frame and box wall. The studs shall be placed one anchor in each corner, one at the middle of each width and two equally spaced on each length of the box.

Materials	Requirement
Concrete	Section 6-02
Reinforcing Steel	Section 9-07
Fiber Reinforcing	ASTM C1116, Type III
Lid	ASTM A786 diamond plate steel
Slip Resistant Lid	ASTM A36 steel
Frame	ASTM A786 diamond plate steel or ASTM A36
	steel
Slip Resistant Frame	ASTM A36 steel
Lid Support	ASTM A36 steel, or ASTM A1011 SS Grade 36
	(or higher)
Handle & Handle support	ASTM A36 steel, or ASTM A1011 CS (Any
	Grade) or SS (Any Grade)

Materials for Type 1, 2, and 8 Concrete Junction Boxes shall conform to the following:

Anchors (studs)	Section 9-06.15
Bolts, Studs, Nuts, Washers	ASTM F593 or A193, Type 304 or 316, or
	Stainless Steel grade 302, 304, or 316 steel in
	accordance with approved shop drawing
Locking and Latching	In accordance with approved shop drawings
Mechanism Hardware and Bolts	

9-29.2(1)A2 Non-Concrete Junction Boxes

Material for the non-concrete junction boxes shall be of a quality that will provide for a similar life expectancy as portland cement concrete in a direct burial application.

Type 1, 2, and 8 non-concrete junction boxes shall have a Design Load of 22,500 pounds and shall be tested in accordance with Section 9-29.2(5). Non-concrete junction boxes shall be gray in color and have an open bottom design with approximately the same inside dimensions, and present a load to the bearing surface that is less than or equal to the loading presented by the concrete junction boxes shown in the Standard Plans. Nonconcrete junction box lids shall include a pull slot and embedded 6 by 6 by $\frac{1}{4}$ -inch steel plate, and shall be secured with two $\frac{1}{2}$ inch stainless steel Penta-head bolts recessed into the cover. The tapped holes for the securing bolts shall extend completely through the box to prevent accumulation of debris. Bolts shall conform to ASTM F593, stainless steel.

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

The first paragraph is revised to read:

Heavy-Duty Junction Boxes are defined as Type 4, 5, and 6 junction boxes and shall be concrete and have a minimum vertical load rating of 46,000 pounds without permanent deformation and 60,000 pounds without failure when tested in accordance with Section 9-29.2(5).

9-29.2(1)C Testing Requirements

This section is deleted in its entirety.

9-29.2(2) Small Cable Vaults, Standard Duty Cable Vaults, Standard Duty Pull Boxes, and Heavy Duty Pull Boxes

This section, including title, is revised to read:

9-29.2(2) Cable Vaults and Pull Boxes

Cable Vaults and Pull Boxes shall be constructed as a concrete box and as a concrete lid. The lids for Cable Vaults and Pull Boxes shall be interchangeable and both shall fit the same box as shown in the Standard Plans.

The Contractor shall provide shop drawings for all components, including concrete box, Cast Iron Ring, Ductile Iron Lid, Steel Rings, and Lid. In addition, the shop drawings shall show placement of reinforcing steel, knock outs, and any other appurtenances. The shop drawing shall be prepared by or under the direct supervision of a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural. Each sheet shall carry the following:

- 1. Professional Engineer's original signature, date of signature, original seal, and registration number. If a complete assembly drawing is included which references additional drawing numbers, including revision numbers for those drawings, then only the complete assembly drawing is required to be stamped.
- 2. The initials and dates of all participating design professionals.
- 3. Clear notation of all revisions including identification of who authorized the revision, who made the revision, and the date of the revision.

Design calculations shall carry on the cover page, the Professional Engineer's original signature, date of signature, original seal, and registration number.

For each type of box or whenever there is a change to the Cable Vault or Pull box design, a proof test, as defined in this Specification, shall be performed and new shop drawings submitted.

9-29.2(2)A Small Cable Vaults, Standard Duty Cable Vaults, and Standard Duty Pull Boxes

This section's title is revised to read:

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

The first paragraph is revised to read:

Standard Duty Cable Vaults and Pull Boxes shall be concrete and have a minimum load rating of 22,500 pounds and be tested in accordance with Section 9-29.2(5). For the purposes of this Section, Small Cable Vaults are considered a type of Standard Duty Cable Vault.

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

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

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

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

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

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

9-29.2(2) B Heavy-Duty Cable Vaults and Pull Boxes

The first paragraph is revised to read:

Heavy-Duty Cable Vaults and Pull Boxes shall be constructed of concrete having a minimum compressive strength of 4,000 psi, and have a minimum vertical load rating of 46,000 pounds

without permanent deformation and 60,000 pounds without failure when tested in accordance with Section 9-29.2(5).

9-29.2(3) Structure Mounted Junction Boxes

The first and second paragraphs are revised to read:

Surface mounted junction boxes and concrete embedded junction boxes installed in cast-inplace structures shall be stainless steel NEMA 4X.

Concrete embedded junction boxes installed in structures constructed by slip forming shall be stainless steel NEMA 3R and shall be adjustable for depth, with depth adjustment bolts, which are accessible from the front face of the junction box with the lid installed.

9-29.3(1) Fiber Optic Cable

This section is revised to read:

All fiber optic cables shall be single mode fiber optic cables unless otherwise specified in the Contract. All fiber optic cables shall meet the following requirements:

- 1. Compliance with the current version of ANSI/ICEA S-87-640. A product data specification sheet clearly identifying compliance or a separate letter from manufacturer to state compliance shall be provided.
- 2. Cables shall be gel free, loose tube, low water peak, and all dielectric with no metallic component.
- 3. Cables shall not be armored unless specified in the Contract.
- 4. Cables shall be approved for mid-span entries and be rated by the manufacturer for outside plant (OSP) use, placement in underground ducts, and aerial installations.
- 5. Fiber counts shall be as specified in the Contract.
- 6. Fibers and buffer tubes shall be color coded in accordance with the current version of EIA/TIA-598.
- 7. Fibers shall not have any factory splices.
- 8. Outer Jacket shall be Type M (Medium Density Polyethylene). Outer jacket shall be free from holes, splits, blisters, or other imperfections and must be smooth and concentric as is consistent with the best commercial practice.
- 9. A minimum of one (1) rip cord is required for each cable.
- 10. Cable markings shall meet the following additional requirements:
 - a. Color shall be white or silver.

- b. Markings shall be approximately 3 millimeters (118 mils) in height, and dimensioned and spaced to produce good legibility.
- c. Markings shall include the manufacturer's name, year of manufacture, the number of fibers, the words "OPTICAL CABLE", and sequential length marks.
- d. Sequential length markings shall be in meters or feet, spaced at intervals not more than 1 meter or 2 feet apart, respectively.
- e. The actual cable length shall not be shorter than the cable length marking. The actual cable length may be up to 1% longer than the cable length marking.
- f. Cables with initial markings that do not meet these requirements will not be accepted and may not be re-marked.
- 11. Short term tensile strength shall be a minimum of 600 pounds (1bs). Long term tensile strength shall be a minimum of 180 pounds (1bs). Tensile strength shall be achieved using a fiberglass reinforced plastic (FRP) central member and / or aramid yarns.
- 12. All cables shall be new and free of material or manufacturing defects and dimensional non-uniformity that would:
 - a. Interfere with the cable installation using accepted cable installation practices;
 - b. Degrade the transmission performance or environmental resistance after installation;
 - c. Inhibit proper connection to interfacing elements;
 - d. Otherwise yield an inferior product.
- 13. The fiber optic cables shall be shipped on reels with a drum diameter at least 20 times the diameter of the cable, in order to prevent damage to the cable. The reels shall be substantial and constructed so as to prevent damage during shipment and handling. Reels shall be labeled with the same information required for the cable markings, with the exception that the total length of cable shall be marked instead of incremental length marks. Reels shall also be labeled with the type of cable.

This section is supplemented with the following new subsection:

9-29.3(1)B Multimode Optical Fibers

Where multimode fiber optic cables are specified in the Contract, the optical fibers shall be one of the following types, as specified in the Contract:

- a. Type OM1, meeting the requirements of EIA/TIA 492-AAAA-A or ISO/IEC 11801. The fiber core diameter shall be $62.5 \mu m$.
- b. Type OM2, meeting the requirements of EIA/TIA 492-AAAB-A or ISO/IEC 11801. The fiber core diameter shall be 50 μ m.

All multimode optical fibers shall have a maximum attenuation of 3.0 dB/km at 850nm and 1.0 dB/km at 1300nm. Completed cable assemblies shall be rated for 1000BaseLX Ethernet communications.

9-29.3(1)A Singlemode Fiber Optic Cable

This section is revised to read:

Single-Mode optical fibers shall be EIA/TIA 492-CAAB or ISO/IEC 11801 Type OS2, low water peak zero dispersion fibers, meeting the requirements of ITU-T G.652.D.

9-29.6 Light and Signal Standards

The third paragraph is revised to read:

Light standard, signal standards, slip base hardware and foundation hardware shall be hot dip galvanized in accordance with AASHTO M 111 and AASHTO M 232. Where colored standards are required, standards shall be powder-coated after galvanizing in accordance with Section 6-07.3(11). The standard color shall be as specified in the Contract.

9-29.6(1) Steel Light and Signal Standards

In the first paragraph, "ASTM A325" is revised to read "ASTM F3125 Grade A325".

9-29.6(2) Slip Base Hardware

In this section, "ASTM A325" is revised to read "ASTM F3125 Grade A325".

9-29.7(2) Fused Quick-Disconnect Kits

The table is supplemented with the following new row:

LED*	10A	10A	20A
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The following footnote is inserted after the table:

* Applies to all LED luminaires, regardless of wattage. Fuses for LED luminaires shall be slow blow.

9-29.10 Luminaires

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

All luminaires shall be provided with markers for positive identification of light source type and wattage in accordance with ANSI C136.15-2011, with the exception that LED luminaires shall be labeled with the wattage of their conventional luminaire equivalents – the text "LED" is optional.

The table in the fourth paragraph is revised to read:

Conventional Lamp Wattage	Conventional Wattage Legend	Equivalent LED Legend
70	7	7E
100	10	10E
150	15	15E
175	17	17E

200	20	20E
250	25	25E
310	31	31E
400	40	40E
700	70	70E
750	75	75E
1,000	X1	X1E

9-29.13(10)C NEMA Controller Cabinets

Item number 6 of the first paragraph is revised to read:

6. LED light strips shall be provided for cabinet lighting. Each LED light strip shall be approximately 12 inches long, have a minimum output of 320 lumens, and have a color temperature of 4100K (cool white) or higher. Two light strips shall be provided. One light strip shall be ceiling mounted and oriented parallel to the door face. The second light strip shall be mounted under the lower shelf, such that the output terminal landings are illuminated. Lighting shall not interfere with the proper operation of any other ceiling or shelf mounted equipment. All lighting fixtures shall energize automatically when any door is opened. Each door switch shall be labeled "Light".

9-29.13(10)D Cabinets for Type 170E and 2070 Controllers

Item number 6 of the first paragraph is revised to read:

6. LED light strips shall be provided for cabinet lighting, powered from the Equipment breaker on the Power Distribution Assembly. Each LED light strip shall be approximately 12 inches long, have a minimum output of 320 lumens, and have a color temperature of 4100K (cool white) or higher. There shall be two light strips for each rack within the cabinet. Lighting shall be ceiling mounted – rack mounted lighting is not permitted. One light strip shall be installed above the front of the rack, oriented parallel to the door face, and placed such that the front of the rack and the rack mounted equipment is illuminated. The second light strip shall be installed above the rear of the rack, oriented perpendicular to the door face, and placed such that the interior of any other ceiling mounted equipment. All lighting fixtures above a rack shall energize automatically when either door to that respective rack is opened. Each door switch shall be labeled "Light".

9-29.13(12) ITS Cabinet

Item number 6 of the first paragraph is revised to read:

6. LED light strips shall be provided for cabinet lighting, powered from the Equipment breaker on the Power Distribution Assembly. Each LED light strip shall be approximately 12 inches long, have a minimum output of 320 lumens, and have a color temperature of 4100K (cool white) or higher. There shall be two light strips for each rack within the cabinet. Lighting shall be ceiling mounted – rack mounted lighting is not permitted. One light strip shall be installed above the front of the rack, oriented parallel to the door face, and placed such that the front of the rack and the rack mounted equipment is illuminated. The second light strip shall be installed above the rear of the rack, oriented perpendicular to the door face, and placed such that the interior of the rack

is illuminated. Lighting shall not interfere with the proper operation of any other ceiling mounted equipment. All lighting fixtures above a rack shall energize automatically when either door to that respective rack is opened. Each door switch shall be labeled "Light".

9-29.25 Amplifier, Transformer, and Terminal Cabinets

Item 2C is revised to read:

c.	Transformer up to 12.5 KVA	20"	48″	24"
	Transformer 12.6 to 35 KVA	30″	60″	32"

The following new sentence is inserted before the last sentence of item number 10:

There shall be an isolation breaker on the input (line) side of the transformer, and a breaker array on the output (load) side.

9-35.AP9 Section 9-35, Temporary Traffic Control Materials August 7, 2017

9-35.12 Transportable Attenuator

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

The transportable attenuator shall be mounted on, or attached to, a host vehicle that complies with the manufacturer's recommended weight range.

9-35.14 Portable Temporary Traffic Control Signal

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

A highly retroreflective yellow strip, 1 inch wide, shall be placed around the perimeter of the face of all vehicle signal backplates to project a rectangular image at night toward oncoming traffic.

SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS

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INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2014 APWA GSP)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction,* 2016 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. For example:

(March 8, 2013 APWA GSP) (April 1, 2013 WSDOT GSP) (May 1, 2013 R&E GSP) (NWR February 5, 2013)

Also incorporated into the Contract Documents by reference are:

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

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

1 DIVISION 1

2 **GENERAL REQUIREMENTS**

3

4 **DESCRIPTION OF WORK**

5 (March 13, 1995 WSDOT GSP)

6 7 This contract provides for the construction of a compact roundabout (RAB) at the intersection of 8 Portal Way/I-5 north bound off ramp in the City of Ferndale. Work will include removal of 9 structures and obstructions; trench excavation; storm sewer pipe installation; pre-cast curb 10 installation; modifications to existing illumination and ITS systems and other work in accordance 11 with the Contract Plans, Special Provisions, the Standard Specifications, including the 12 amendments thereto, and Standard Plans.

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1-01 DEFINITIONS AND TERMS

16 **1-01.3 Definitions**

17 (January 4, 2016 APWA GSP)

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Delete the heading Completion Dates and the three paragraphs that follow it, and replace themwith the following:

Dates

Bid Opening Date

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

Award Date

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

30 *Contract Execution Date*

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

33 Notice to Proceed Date

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

Substantial Completion Date

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

43 *Physical Completion Date*

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

- *Completion Date* The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date. *Final Acceptance Date* The date on which the Contracting Agency accepts the Work as complete.
- 10 Supplement this Section with the following:

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

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

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

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

Additive

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

Alternate

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

38 Business Day

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

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42 **Contract Bond**

43 The definition in the Standard Specifications for "Contract Bond" applies to whatever bond

- 45 The definition in the standard specifications for Contract Bond applies to whatever bond
 44 form(s) are required by the Contract Documents, which may be a combination of a Payment
 45 Bond and a Performance Bond.
- 46

- 1 **Contract Documents**
- 2 See definition for "Contract".
- 3 4

7

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.

11

12 Notice to Proceed

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

- 15 Contract time begins.
- 16 17

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24

26

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:

1-02.1 Qualifications of Bidder

27 28 29

(January 24, 2011 APWA GSP)

(January 24, 2011 A

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

34 **1-02.2 Plans and Specifications**

- 35 (June 27, 2011 APWA GSP)
- 36

37 Delete this section and replace it with the following:

- 38
- Information as to where Bid Documents can be obtained or reviewed can be found in the Callfor Bids (Advertisement for Bids) for the work.
- 41

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

43 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.

1 2

3

4

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.

5 **1-02.4(1)** General

6 (March 17, 2010 R&E GSP) 7

8 Section 1-02.4(1) is supplemented with the following: 9

10 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 11 12 Engineering, Inc. (360) 354-3687. Any addenda issued during the time of bidding will be 13 numbered consecutively and will be incorporated into these contract documents. The Bidder 14 shall be responsible to ascertain, prior to submittal of a bid proposal that all addenda issued 15 have been received, and are acknowledged on the "Bid Proposal Signature and Addendum 16 Acknowledgment" form. Addendums will only be issued to those contractors appearing on the 17 Plan Holders List at Reichhardt & Ebe Engineering, 423 Front Street, Lynden WA. It will be 18 the responsibility of the contractor to ensure their name appears on the Plan Holders List.

19

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.

25

26 **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.

30

Those prospective bidders wanting to take part in the Pre-Bid Conference shall meet at the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. The meeting will start on **May 1, 2018 at 2:00 PM**. 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)

4 Delete this section and replace it with the following:

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

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

20 1-02.6 Preparation of Proposal

21 (June 20, 2017 APWA GSP) 22

23 Supplement the second paragraph with the following:

- 4. If a minimum bid amount has been established for any item, the unit or lump sum pricemust equal or exceed the minimum amount stated.
- S. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed
 by the signer of the bid.
- Delete the fourth paragraph and replace it with the following:

31 The Bidder shall submit with the Bid a completed Underutilized Disadvantaged Business 32 Enterprise (UDBE) Utilization Certification, when required by the Special Provisions. For each 33 and every UDBE firm listed on the Bidder's completed Underutilized Disadvantaged Business 34 Enterprise Utilization Certification, the Bidder shall submit written confirmation from that 35 UDBE firm that the UDBE is in agreement with the UDBE participation commitment that the 36 Bidder has made in the Bidder's completed Underutilized Disadvantaged Business Enterprise 37 Utilization Certification. WSDOT Form 422-031U (Underutilized Disadvantaged Business 38 Enterprise Written Confirmation Document) is to be used for this purpose. Bidder must submit 39 good faith effort documentation with the Underutilized Disadvantaged Business Enterprise 40 Utilization Certification only in the event the bidder's efforts to solicit sufficient UDBE 41 participation have been unsuccessful. Directions for delivery of the Underutilized 42 Disadvantaged Business Enterprise Written Confirmation Documents and Underutilized 43 Disadvantaged Business Enterprise Good Faith Effort documentation are included in Sections 44 1-029

1 2	Delete the last paragraph, and replace it with the following:		
3 4	The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.		
5 6	A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).		
7			
8	A bid by a partnership shall be executed in the partnership name, and signed by a partner. A		
9	requirements are to be satisfied through such an agreement		
10	requirements are to be satisfied through such an agreement.		
12	A bid by a joint venture shall be executed in the joint venture name and signed by a member		
13	of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid		
14	Form if any UDBE requirements are to be satisfied through such an agreement.		
15			
16			
17	1-02.7 Bid Deposit		
18	(March 8, 2013 APWA GSP)		
19			
20	Supplement this section with the following:		
21			
22	Bid bonds shall contain the following:		
23	1. Contracting Agency-assigned number for the project;		
24	2. Name of the project;		
25	3. The Contracting Agency named as obligee;		
26	4. The amount of the bid bond stated either as a dollar figure or as a percentage which		
27	represents five percent of the maximum bid amount that could be awarded;		
28	5. Signature of the bidder's officer empowered to sign official statements. The signature of		
29	the person authorized to submit the bid should agree with the signature on the bond, and		
30 21	the title of the person must accompany the said signature;		
21	6. The signature of the surety's officer empowered to sign the bond and the power of attorney.		
22 22	If so stated in the Contract Provisions hidder must use the hand form included in the Contract		
37	Provisions		
35			
36	If so stated in the Contract Provisions, cash will not be accepted for a hid deposit		
37	It so stated in the contract i tovisions, easily will not be accepted for a ora deposit.		
38	(February 1, 2008, R&E GSP)		
39	Section 1-02.7 is supplemented with the following:		
40			
41	All bid bonds shall be made payable to the City of Ferndale.		
42	1 5 5		

1 1-02.9 Delivery of Proposal

- 2 (July 31, 2017 APWA GSP, Option A)
- 2 3

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4 Delete this section and replace it with the following:

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

10 If the project has FHWA funding and requires UDBE Written Confirmation Document(s) or Good Faith Effort (GFE) Documentation, then to be considered responsive, the Bidder shall 11 12 submit Written Confirmation Documentation from each UDBE firm listed on the Bidder's 13 completed UDBE Utilization Certification, form 272-056U, as required by Section 1-02.6. 14 The UDBE Written Confirmation Document(s) and/or GFE (if any) shall be received either with the Bid Proposal or as a Supplement to the Bid. The document(s) shall be received no 15 16 later than 24 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Bid Proposal. 17

18

The Bidder shall submit to the Contracting Agency a signed "Certification of Compliance with Wage Payment Statutes" document where the Bidder under penalty of perjury verifies that the Bidder is in compliance with responsible bidder criteria in RCW 39.04.350 subsection (1) (g), as required per Section 1-02.14. The "Certification of Compliance with Wage Payment Statutes" document shall be received either with the Bid Proposal or **no later than 24 hours** (not including Saturdays, Sundays and Holidays) after the time for delivery of the Bid Proposal.

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

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids. The Contracting Agency will not open or consider any "Supplemental Information" (UDBE confirmations, GFE documentation, or Certification of Compliance with Wage Payment Statutes) that is received after the time specified above, or received in a location other than that specified in the Call for Bids.

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31

39 **1-02.10** Withdrawing, Revising, or Supplementing Proposal

- 40 (July 23, 2015 APWA GSP)
- 41

43

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

44 After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may 45 withdraw, revise, or supplement it if:

1	1.	The Bidder submits a written request signed by an authorized person and physically
2		delivers it to the place designated for receipt of Bid Proposals, and
3	2.	The Contracting Agency receives the request before the time set for receipt of Bid
4		Proposals, and
5	3.	The revised or supplemented Bid Proposal (if any) is received by the Contracting
6		Agency before the time set for receipt of Bid Proposals.
7		
8	If the Bi	dder's request to withdraw, revise, or supplement its Bid Proposal is received before
9	the time	set for receipt of Bid Proposals, the Contracting Agency will return the unopened
10	Proposal	package to the Bidder The Bidder must then submit the revised or supplemented
11	nackage	in its entirety If the Bidder does not submit a revised or supplemented package then
12	its bid sh	all be considered withdrawn
13		
14	Late revi	sed or supplemented Bid Proposals or late withdrawal requests will be date recorded
15	by the C	ontracting Agency and returned unonened. Mailed Emailed or faved requests to
16	withdraw	v revise or supplement a Bid Proposal are not accentable
17	withat a v	, ievise, of supplement a Dia Proposal are not acceptable.
18	1-02.13 Irre	gular Pronosals
19	$(Iun \rho 20, 20)$	7 APWA GSP)
20	(June 20, 201	/ // W/ 05/)
20	Delete this se	ction and replace it with the following.
21	Delete tills se	etton and replace it with the following.
22	1 A Pro	nosal will be considered irregular and will be rejected if:
23	1. ATTO	The Bidder is not prequalified when so required:
24 25	a. b	The authorized Drongeal form furnished by the Contracting Agency is not used or
25	0.	is altered:
20	2	The completed Dreposel form contains any unputhorized additions deletions
21	ι.	ilternata Dida, ar aanditiana:
20	ł	The Didder adds provisions recomming the right to reject or account the award, or enter
29	u.	inte the Contract:
21	2	A price per unit connet he determined from the Did Drenegal:
21	e.	The Drep age 1 forms is not properly executed:
32 22	1.	The Didden fills to end with an unequality executed;
33	g.	The Bidder fails to submit of property complete a Subcontractor list, if applicable,
34 25	1.	as required in Section 1-02.6; The Didden fails to extend to an unsure the complete on Understition d Disc downtoored
35	n.	The Bidder fails to submit or properly complete an Underutilized Disadvantaged
36		Business Enterprise Certification, if applicable, as required in Section 1-02.6;
3/	1.	The Bidder fails to submit written confirmation from each UDBE firm listed on the
38		Bidder's completed UDBE Utilization Certification that they are in agreement with
39		the bidder's UDBE participation commitment, if applicable, as required in Section
40		1-02.6, or if the written confirmation that is submitted fails to meet the requirements
41		of the Special Provisions;
42	J	The Bidder fails to submit UDBE Good Faith Effort documentation, if applicable,
43		as required in Section 1-02.6, or if the documentation that is submitted fails to
44	_	demonstrate that a Good Faith Effort to meet the Condition of Award was made;
45	k.	The Bid Proposal does not constitute a definite and unqualified offer to meet the
46		material terms of the Bid invitation; or

1 2	1.	More than one Proposal is submitted for the same project from a Bidder under the same or different names.
3		
4	2. A Pro	oposal may be considered irregular and may be rejected if:
5	a.	The Proposal does not include a unit price for every Bid item;
6	b.	Any of the unit prices are excessively unbalanced (either above or below the
7		amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
8	с.	Receipt of Addenda is not acknowledged;
9	d.	A member of a joint venture or partnership and the joint venture or partnership
10		submit Proposals for the same project (in such an instance, both Bids may be
11		rejected); or
12	e.	If Proposal form entries are not made in ink.
13		
14	(December 2	29, 2008 R&E GSP)
15	Item 1a is su	pplemented with the following:
16		
17	"Bidders	do not have to be pre-qualified."
18		
19	1-02.14 Dis	qualification of Bidders
20	(July 31, 201	17 APWA GSP, Option A)
21		
22	Delete this s	ection and replace it with the following:
23		
24	A Bidde	r will be deemed not responsible if the Bidder does not meet the mandatory bidder
25	responsil	pility criteria in RCW 39.04.350(1), as amended.
26		
27	The Con	tracting Agency will verify that the Bidder meets the mandatory bidder responsibility
28	criteria i	n RCW 39.04.350(1). To assess bidder responsibility, the Contracting Agency
29	reserves	the right to request documentation as needed from the Bidder and third parties
30	concerni	ng the Bidder's compliance with the mandatory bidder responsibility criteria.
31		les de ll'estruit te de Contractine Aconse d'and "Contification of Consuling conti
32 22		ther shall submit to the Contracting Agency a signed Certification of Compliance with
22 24	wage Pa	yment Statutes, document where the Blader under penalty of perjury verifies that the
34 25	Bidder is	in compliance with responsible bloder criteria in RCW 39.04.550 subsection (1)(g).
25 26	A IOIIII a	by the Contracting Agency in the Pid Decuments. The form provided in the Pid
20 27	Dooumor	by the Contracting Agency in the Bid pocuments. The form provided in the Bid
20	Docume	its shall be sublittled with the Blu as stated in Section 1-02.9.
20	If the C	contracting Agonay determines the Bidder dees not meet the mandatery hidder
<i>39</i> <i>1</i> 0	responsil	pility criteria in RCW 30.04.350(1) and is therefore not a responsible Bidder the
40 //1	Contract	ing Agency shall notify the Bidder in writing with the reasons for its determination
41 42	If the Riv	Ider disagrees with this determination, it may appeal the determination within two (2)
<u>4</u> 2	husiness	days of the Contracting Agency's determination by presenting its appeal and any
<u>4</u> 4	additions	a information to the Contracting Agency. The Contracting Agency will consider the
45	anneal a	nd any additional information before issuing its final determination. If the final
46	determin	ation affirms that the Bidder is not responsible the Contracting Agency will not
		and an are the breach is not responsible, the contracting righter with not

1 execute a contract with any other Bidder until at least two business days after the Bidder 2 determined to be not responsible has received the Contracting Agency's final determination. 3 4 1-02.15 **Pre Award Information** 5 (August 14, 2013 APWA GSP) 6 7 Revise this section to read: 8 9 Before awarding any contract, the Contracting Agency may require one or more of these items 10 or actions of the apparent lowest responsible bidder: 1. A complete statement of the origin, composition, and manufacture of any or all materials 11 12 to be used. 13 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 14 15 time required for the various phases of the work, 4. A breakdown of costs assigned to any bid item, 16 5. Attendance at a conference with the Engineer or representatives of the Engineer, 17 6. Obtain, and furnish a copy of, a business license to do business in the city or county where 18 19 the work is located. 20 7. Any other information or action taken that is deemed necessary to ensure that the bidder is 21 the lowest responsible bidder. 22 23 (December 29, 2008 R&E GSP) Section 1-02.15 is supplemented with the following: 24 25 Evidence of financial resources and experience, 26 9. 10. Organization and equipment the Bidder has available for the performance of the contract 27 28 by the Bidder and each proposed subcontractor. 29 30 AWARD AND EXECUTION OF CONTRACT 1-03 31 1-03.1 32 **Consideration of Bids** 33 (January 23, 2006 APWA GSP) 34 35 Revise the first paragraph to read: 36 37 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 38 39 per unit and the extended amount of any bid item, the price per unit will control. If a minimum 40 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 41 or lump sum price, to the minimum specified amount and recalculate the extension. The total 42 43 of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the 44 45 Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the

amount of the contract bond.

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

6 Revise this section to read: 7

8 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available 9 for signature by the successful bidder on the first business day following award. The number 10 of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within 5 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

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

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

27 1-03.4 Contract Bond

- 28 (July 23, 2015 APWA GSP)
- 29

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30 Delete the first paragraph and replace it with the following:

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

- 36 1. Be on Contracting Agency-furnished form(s);
- 37 2. Be signed by an approved surety (or sureties) that:
 - a. Is registered with the Washington State Insurance Commissioner, and
 - b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
- Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
- a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors
 of the Contractor) to faithfully perform and comply with all contract obligations,

- conditions, and duties, or
 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project
- 6 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project
 7 under titles 50, 51, and 82 RCW; and
 - 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
- 6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).
- 16 **1-03.7 Judicial Review**
- 17 (July 23, 2015 APWA GSP)
- 18

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Delete this section and replace it with the following:

- Any decision made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of <u>the county where the Contracting Agency headquarters is located</u>, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction.
- 25 26

27 **1-04 SCOPE OF THE WORK**

28 20 1

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

- 31 (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):

- 36 1. Addenda,
- 37 2. Proposal Form,
- 38 3. Special Provisions,
- 39 4. Contract Plans,
- 40 5. Amendments to the Standard Specifications,
- 41 6. Standard Specifications,
- 42 7. Contracting Agency's Standard Plans or Details (if any), and
- 43 8. <u>WSDOT</u> Standard Plans <u>for Road</u>, <u>Bridge</u>, and <u>Municipal Construction</u>.

1-04.6 Variation in Estimated Quantities

- (May 25, 2006 APWA GSP) Supplement this Section with the following: The quantities for: Sawcut ACP Gravel Base Crushed Surfacing Top Course HMA Class 1/2" PG 64-22 Silt Fence have been entered into the Proposal only to provide a common proposal for bidders. Actual
- 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.

19 1-05 CONTROL OF WORK

1-05.4 Conformity with and Deviations from Plans and Stakes

22 (March 30, 2007 R&E GSP)

24 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.

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

- 6. Staking for curb and gutter will be set on intervals of 25 feet. Curb and gutter grades must conform to within plus or minus 0.02 feet of elevations shown on the Project Plans. Deviation from this specification will be cause for rejection of non-conforming work. Asphalt finish graded must conform to within plus or minus 0.03 feet of elevations shown on the Project Plans.
- 7. Any additional survey stakes not specified herein or any replacement of survey stakes provided, will be accomplished by the Engineer at the Contractor's expense. The City of Ferndale may require payment from the Contractor for such additional or redundant surveying in an amount not to exceed the labor and equipment costs directly assignable to the additional work. Such costs may be deducted from payments due the Contractor in accordance with the provisions of Section 1-05.4.
 - 8. Any claim by the Contractor for extra compensation by reason of alterations or reconstruction work allegedly due to error in the Engineer's line and grade will not be considered unless the original control points set by the Engineer still exist.

20 **1-05.7 Removal of Defective and Unauthorized Work**

21 (October 1, 2005 APWA GSP) 22

Supplement this section with the following:

the satisfaction of the Engineer.

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

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

38 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and 39 remedying defective or unauthorized work, or work the Contractor failed or refused to perform, 40 shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, 41 or to become due, the Contractor. Such direct and indirect costs shall include in particular, but 42 without limitation, compensation for additional professional services required, and costs for 43 replacement of work of others destroyed or damaged by correction, removal, or 44 replacement of the Contractor's unauthorized work.

45

46 No adjustment in contract time or compensation will be allowed because of the delay in the

performance of the work attributable to the exercise of the Contracting Agency's rights
 provided by this Section.

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

1-05.11 Final Inspection

10 Delete this section and replace it with the following:

12 **1-05.11** Final Inspections and Operational Testing

13 (October 1, 2005 APWA GSP) 14

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.

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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.
- 4

5 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the 6 written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, 7 take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7. 8 The Contractor will not be allowed an extension of contract time because of a delay in the 9 performance of the work attributable to the exercise of the Engineer's right hereunder.

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11 Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting 12 Agency, in writing, of the date upon which the work was considered physically complete. That 13 date shall constitute the Physical Completion Date of the contract, but shall not imply 14 acceptance of the work or that all the obligations of the Contractor under the contract have 15 been fulfilled.

1-05.11(3) Operational Testing

18 19 It is the intent of the Contracting Agency to have at the Physical Completion Date a complete 20 and operable system. Therefore when the work involves the installation of machinery or other 21 mechanical equipment; street lighting, electrical distribution or signal systems; irrigation 22 systems; buildings; or other similar work it may be desirable for the Engineer to have the 23 Contractor operate and test the work for a period of time after final inspection but prior to the 24 physical completion date. Whenever items of work are listed in the Contract Provisions for 25 operational testing they shall be fully tested under operating conditions for the time period 26 specified to ensure their acceptability prior to the Physical Completion Date. During and 27 following the test period, the Contractor shall correct any items of workmanship, materials, or 28 equipment which prove faulty, or that are not in first class operating condition. Equipment, 29 electrical controls, meters, or other devices and equipment to be tested during this period shall 30 be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot 31 32 be established until testing and corrections have been completed to the satisfaction of the 33 34 Engineer.

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

- Operational and test periods, when required by the Engineer, shall not affect a manufacturer's
 guaranties or warranties furnished under the terms of the contract.
- 41

42 **1-05.13** Superintendents, Labor and Equipment of Contractor

43 (August 14, 2013 APWA GSP) 44

- 45 Delete the sixth and seventh paragraphs of this section.
- 46

1	1-05.15 Method of Serving Notices
2	(March 25, 2009 APWA GSP)
3	
4	Revise the second paragraph to read:
5	
6	All correspondence from the Contractor shall be directed to the Project Engineer. All
7	correspondence from the Contractor constituting any notification, notice of protest, notice
8	of dispute, or other correspondence constituting notification required to be furnished under
9	the Contract, must be in paper format, hand delivered or sent via mail delivery service to
10	the Project Engineer's office. Electronic copies such as e-mails or electronically delivered
11	copies of correspondence will not constitute such notice and will not comply with the
12	requirements of the Contract
13	
14	Add the following new section:
15	
16	1.05 16 Water and Power
17	(October 1, 2005 APWA GSP)
18	
19	The Contractor shall make necessary arrangements and shall bear the costs for power and
20	water necessary for the performance of the work unless the contract includes power and water
21	as a pay item
22	us u puy nom.
23	Add the following new section:
$\frac{23}{24}$	
25	1-05.17 Oral Agreements
26	(October 1 2005 AWPA GSP)
27	
28	No oral agreement or conversation with any officer agent or employee of the Contracting
29	Agency either before or after execution of the contract shall affect or modify any of the terms
30	or obligations contained in any of the documents comprising the contract. Such oral agreement
31	or conversation shall be considered as unofficial information and in no way binding upon the
32	Contracting Agency unless subsequently put in writing and signed by the Contracting Agency
32	contracting regency, uness subsequentry put in writing and signed by the contracting regency.
34	1.06 CONTROL OF MATERIALS
35	
36	1.06.4 Handling and Storing Materials
37	(February 1 2008 R&F GSP)
38	(<i>Teornary</i> 1, 2000 Keel Obr)
30	Section $1-06.4$ is supplemented with the following:
40	Section 1-00.4 is supplemented with the following.
40 //1	The Contractor shall make arrangements for storage of equipment and materials
+1 ∕\?	The Contractor shan make arrangements for storage of equipment and materials.
+∠ //3	No staging area is provided by the Contracting Agonay
43 11	no staging area is provided by the Contracting Agency.
44	

1 1-06.6 Recycled Materials

- 2 (January 4, 2016 APWA GSP) 3
- 4 Delete this section, including its subsections, and replace it with the following: 5

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

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

16

17 1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC 18

- 19 1-07.1 Laws to Be Observed
- 20 (October 1, 2005 APWA GSP) 21
- 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).

30

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.

38

39 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the 40 Contractor's plant, appliances, and methods, and for any damage or injury resulting from their 41 failure, or improper maintenance, use, or operation. The Contractor shall be solely and 42 completely responsible for the conditions of the project site, including safety for all persons 43 and property in the performance of the work. This requirement shall apply continuously, and 44 not be limited to normal working hours. The required or implied duty of the Engineer to 45 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 46

- the project site.
- 3 (August 4, 2011 R&E GSP)
- 4 Confined Space
- 5 Confined spaces are known to exist at the following locations:
- *** All existing storm drain facilities affected by the project and all proposed storm drain
 facilities***
- 9 The Contractor shall be fully responsible for the safety and health of all on-site workers and 10 compliant with Washington Administrative Code (WAC 296-809).
- 11

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1 2

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 <u>5</u> 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 the plan is submitted to the Engineer as required. The Contractor shall communicate with the Project Engineer to ensure a coordinated effort for providing and maintaining a safe worksite for both the Contracting Agency's and Contractor's workers when working in or near a confined space.

- All costs to prepare and implement the confined space program shall be included in the bid prices for the various items associated with the confined space work.
- 23 **1-07.2 State Taxes**
- 24 25

26

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

27 **1-07.2 State Sales Tax**

28 (June 27, 2011 APWA GSP) 29

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

- The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.
- The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

2 1-07.2(1) State Sales Tax — Rule 171 3

4 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, 5 roads, etc., which are owned by a municipal corporation, or political subdivision of the state, 6 or by the United States, and which are used primarily for foot or vehicular traffic. This includes 7 storm or combined sewer systems within and included as a part of the street or road drainage 8 system and power lines when such are part of the roadway lighting system. For work 9 performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in 10 the various unit bid item prices, or other contract amounts, including those that the Contractor 11 pays on the purchase of the materials, equipment, or supplies used or consumed in doing the 12 work. 13

14 1-07.2(2) State Sales Tax — Rule 170

15 16 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or 17 existing buildings, or other structures, upon real property. This includes, but is not limited to, 18 the construction of streets, roads, highways, etc., owned by the state of Washington; water 19 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such 20 sewers and disposal systems are within, and a part of, a street or road drainage system; 21 telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above 22 streets or roads, unless such power lines become a part of a street or road lighting system; and 23 installing or attaching of any article of tangible personal property in or to real property, whether 24 or not such personal property becomes a part of the realty by virtue of installation.

25 26 For work performed in such cases, the Contractor shall collect from the Contracting Agency, 27 retail sales tax on the full contract price. The Contracting Agency will automatically add this 28 sales tax to each payment to the Contractor. For this reason, the Contractor shall not include 29 the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 30 170, with the following exception. 31

32 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or 33 a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable 34 supplies not integrated into the project. Such sales taxes shall be included in the unit bid item 35 prices or in any other contract amount. 36

- 37 1-07.2(3) Services
- 38

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39 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract 40 wholly for professional or other services (as defined in Washington State Department of 41 Revenue Rules 138 and 244).

42

43 **1-07.15 Temporary Water Pollution/Erosion Control**

- 44 (*February 1, 2008 R&E GSP*)
- 45
- 46 Section 1-07.15 is supplemented with the following:
Erosion Control shall include but not be limited to preventing storm water which has come in contact with disturbed or excavated areas from entering the storm drainage system. The contractor will not allow flow from existing ditches or ground water to come in contact with disturbed or excavated areas. The contractor shall be required to take any means necessary to prevent, control and stop water pollution or erosion within the project as shown on the Plans.

7 **1-07.15** Temporary Water Pollution Prevention

8 (February 1, 2008 R&E GSP) 9

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10 Section 1-07.15 is supplemented with the following:

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

18 **1-07.17 Utilities and Similar Facilities**

19 (April 2, 2007 WSDOT GSP) 20

21 Section 1-07.17 is supplemented with the following:

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

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

- Puget Sound Energy, 1660 Park Lane, Burlington, WA 98233 Jane Major, (360)-766-5571
- Frontier Communications, 595 Pease Road, Burlington, WA 98233
 Barb Robinson, (360) 757-7624
 - Comcast Cable, 400 Sequoia Drive, Bellingham, WA 98226 Bill Inama (360) 527-8241 Thomas Hall (253) 439-8955
- Cascade Natural Gas, 1910 Racine Street, Bellingham, WA 98229
 Brandon Haugnes, (360)-733-5986
- 42 Black Rock Cable, Inc., 3229 Northshore Rd., Bellingham, WA 98226
 43 Randy Wilson, (360) 734-7930
- 45 City of Ferndale Public Works, 2095 Main Street, Ferndale, WA 98248
 46 Bo Westford, (360)-384-4006

Washington State Department of Transportation, Mount Baker Area Development Services Office, 1043 Goldenrod Road, Suite 101 Mike R. Gallop (206)-940-2736

1-07.18 Public Liability and Property Damage Insurance

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

8 9 **1-07.18 Insurance**

10 (January 4, 2016 APWA GSP)

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1-07.18(1) General Requirements

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

- 1 days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at 2 its discretion, procure or renew such insurance and pay any and all premiums in connection 3 therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or 4 at the sole discretion of the Contracting Agency, offset against funds due the Contractor from 5 6 the Contracting Agency.
- 7 I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the 8 Contract and no additional payment will be made. 9

1-07.18(2) Additional Insured

10 11 All insurance policies, with the exception of Workers Compensation, and of Professional Liability 12 and Builder's Risk (if required by this Contract) shall name the following listed entities as 13 additional insured(s) using the forms or endorsements required herein:

14 the Contracting Agency and its officers, elected officials, employees, agents, and 15 volunteers

16 The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are 17 18 greater than those required by this Contract, and irrespective of whether the Certificate of 19 Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those 20 maintained by the Contractor.

21

22 For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and 23 24 CG 20 37 10 01 for completed operations. 25

26 **1-07.18(3)** Subcontractors

27 The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that 28 complies with all applicable requirements of the Contractor-provided insurance as set forth herein,

29 except the Contractor shall have sole responsibility for determining the limits of coverage required

- 30 to be obtained by Subcontractors.
- 31

32 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2) 33 as additional insureds, and provide proof of such on the policies as required by that section as 34 detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing 35 operations and CG 20 37 10 01 for completed operations.

36

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency 37 38 evidence of insurance and copies of the additional insured endorsements of each Subcontractor of 39 every tier as required in 1-07.18(4) Verification of Coverage.

- 40
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42 43 **1-07.18(4)** Verification of Coverage

44 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and 45 endorsements for each policy of insurance meeting the requirements set forth herein when the

Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand 46

such verification of coverage with these insurance requirements or failure of Contracting Agency
 to identify a deficiency from the insurance documentation provided shall not be construed as a

3 waiver of Contractor's obligation to maintain such insurance.

4

5 Verification of coverage shall include:

- 6 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
- Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
- 11 3. Any other amendatory endorsements to show the coverage required herein.
- 4. A notation of coverage enhancements on the Certificate of Insurance shall <u>not</u> satisfy these
 requirements actual endorsements must be submitted.
- 14
- 15 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency
- 16 a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this
- Project, a full and certified copy of that policy is required when the Contractor delivers the signed
- 18 Contract for the work.
- 19

20 **1-07.18(5)** Coverages and Limits

21 The insurance shall provide the minimum coverages and limits set forth below. Contractor's

22 maintenance of insurance, its scope of coverage, and limits as required herein shall not be

- 23 construed to limit the liability of the Contractor to the coverage provided by such insurance, or
- 24 otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.
- 25

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

30 insu 31

32 1-07.18(5)A Commercial General Liability

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

- 38
- The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.
- 41

42 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's

43 completed operations for at least three years following Substantial Completion of the Work.

- 44
- 45 Such policy must provide the following minimum limits:

1	\$1,000,000	Each Occurrence		
2	\$2,000,000	General Aggregate		
3	\$2,000,000	Products & Completed Operations Aggregate		
4	\$1,000,000	Personal & Advertising Injury each offence		
5	\$1,000,000	Stop Gap / Employers' Liability each accident		
6				
7	1-07.18(5)B Autom	obile Liability		
8	Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be			
9	written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the			
10	transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48			
11	endorsements.			
12	Such policy must pro	avide the following minimum limit:		
13	Such policy must provide the following minimum limit:			
14	\$1,000,000 Combined single limit each accident			
15	1 07 19(5) C Wayles	way Companyation		
10	1-07.18(5) Workers' Compensation The Contractor shall comply with Workers' Compensation coverage as required by the Industrial			
18	Inc Contractor shan	e State of Washington		
10	insurance laws of the	e State of Washington.		
20	1-07.23 Public Co	onvenience and Safety		
21				
22	1-07.23(1) Construct	ction under Traffic		
23	(January 2, 2012 WS	SDOT GSP)		
24				
25	Section 1-07.23(1) is	supplemented with the following:		
26	Work Zone Clea	ar Zone		
27	The Work Zone (Clear Zone (WZCZ) applies during working and nonworking hours. The		
28	WZCZ applies only to temporary roadside objects introduced by the Contractor's			
29	operations and does not apply to preexisting conditions or permanent Work. Those work			
31	Traffic Control Plans, and other contract requirements			
32	Thunke Control I	lans, and other contract requirements.		
33	During nonwork	ing hours equipment or materials shall not be within the WZCZ unless		
34	they are protected	ed by permanent guardrail or temporary concrete barrier. The use of		
35	temporary concre	ete barrier shall be permitted only if the Engineer approves the installation		
36	and location.			
37				
38	During actual h	ours of work, unless protected as described above, only materials		
39	absolutely neces	sary to construction shall be within the WZCZ and only construction		
40	vehicles absolute	ely necessary to construction shall be allowed within the WZCZ or		
41	allowed to stop o	or park on the shoulder of the roadway.		
42				
43	The Contractor's	s nonessential vehicles and employees private vehicles shall not be within the $WZCZ$ at any time unless protocted as described above.		
44 15	Deviation from the	within the wZCZ at any time unless projected as described above.		
43 46	the deviation in x	writing and the Engineer has provided written approval		
UΤ		and the Engineer has provided written approval.		

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

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

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* or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

8 (August 7, 2006 WSDOT GSP)

9 Lane closures are subject to the following restrictions:

- If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours.
- No lane closures will be allowed on a holiday or holiday weekend, or after 12:00 PM (noon)
 on a day prior to a holiday or holiday weekend. Holidays that occur on Friday, Saturday,
 Sunday or Monday are considered a holiday weekend.
- 18 (December 8, 2008 R&E GSP)
- 19 Section 1-07.23(1) is supplemented with the following:
- 20

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

24

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

30 **Controlled Access**

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

33

34 **Pedestrian Access**

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

- 38
- 39 Signs and Traffic Control Devices

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

5 Hours of Darkness

4

6 The Contractor shall, at no additional cost to the Contracting Agency, make all arrangements 7 for operations during hours of darkness. A portable illumination system, which will 8 adequately illuminate the entire work area shall be provided. Flagger stations and advance 9 warning signs shall be illuminated with a minimum **150-watt** floodlight and to the satisfaction 10 of the Engineer. Flares are for emergency use and are not considered a proper method of 11 illumination.

13 Hour Adjustment

14 If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer 15 may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any 16 change in the closures hours.

18 Advance Notification

19 The Contractor shall be responsible for notifying private property owners, or tenants, five (5) 20 working days in advance of scheduled interruptions of access to private roads or driveways. The Contractor shall notify the Engineer three (3) working days in advance of scheduled 21 22 interruptions of access to private road or driveways. The Contractor shall only interrupt access 23 to one half of any private road or driveway. The Contractor shall notify private property 24 owners, or tenants, by having a representative of the Contractor personally contact the private property owner or tenant. If the property owner or tenant is not available, the Contractor shall 25 26 leave a door hanger notice indicating the commencement date of work, duration of work, the 27 type of work being done, and the Contractor's and Engineer's phone number and address for 28 questions and concerns. The Engineer shall be provided adequate time to review, comment, 29 and approve the door hanger notice prior to the Contractor placing any notices. Access shall 30 be restored as soon as possible, but not later than the end of each working day. Any exception will only be allowed with the approval of the private property owner, or tenant, and the 31 32 Engineer. All costs involved with public notification shall be incidental to the various bid 33 items.

34

37

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

38 **Public Notification**

The Contractor shall notify the local fire, police, emergency service, and city engineering
 departments; transit companies; and the affected school district(s) in writing a minimum of 5

working days prior to each closure. The Contractor shall furnish copies of these notifications to the Engineer.

4 **1-07.24** Rights of Way

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5 (July 23, 2015 APWA GSP) 6

Delete this section and replace it with the following:

9 Street Right of Way lines, limits of easements, and limits of construction permits are indicated
10 in the Plans. The Contractor's construction activities shall be confined within these limits,
11 unless arrangements for use of private property are made.
12

- Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.
- 18 Whenever any of the work is accomplished on or through property other than public Right of 19 Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement 20 agreement obtained by the Contracting Agency from the owner of the private property. Copies 21 of the easement agreements may be included in the Contract Provisions or made available to 22 the Contractor as soon as practical after they have been obtained by the Engineer. 23
- 24 Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in 25 26 areas where right of way, easements or rights of entry have not been acquired until the Engineer 27 certifies to the Contractor that the right of way or easement is available or that the right of entry 28 has been received. If the Contractor is delayed due to acts of omission on the part of the 29 Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will 30 be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach 31 of contract.
- Each property owner shall be given 48 hours notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.
- 37 The Contractor shall be responsible for providing, without expense or liability to the 38 Contracting Agency, any additional land and access thereto that the Contractor may desire for 39 temporary construction facilities, storage of materials, or other Contractor needs. However, 40 before using any private property, whether adjoining the work or not, the Contractor shall file 41 with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise 42 43 interfered with by reasons of construction pursued under this contract. The statement shall be 44 signed by the private property owner, or proper authority acting for the owner of the private 45 property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has 46

- 1 been satisfactorily accomplished. The statement shall include the parcel number, address, and 2 date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.
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5 1-07.26 **Personal Liability of Public Officers** 6

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

- 8 Section 1-07.26 is revised to read:
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Neither the Mayor, the Ferndale City Council, employees of the City, or the Engineer shall be personally liable for any acts or failure to act in connection with the Contract, it being understood that in such matters, they are acting solely as agents of the City of Ferndale.

14 1-08 **PROSECUTION AND PROGRESS**

16 Add the following new section:

1-08.0 Preliminary Matters

- (May 25, 2006 APWA GSP) 19 20
- 21 Add the following new section:

23 **1-08.0(1) Preconstruction Conference**

24 (October 10, 2008 APWA GSP)

26 Prior to the Contractor beginning the work, a preconstruction conference will be held between 27 the Contractor, the Engineer and such other interested parties as may be invited. The purpose 28 of the preconstruction conference will be: 29

- 1. To review the initial progress schedule;
- To establish a working understanding among the various parties associated or 2. affected by the work;
- To establish and review procedures for progress payment, notifications, approvals, 3. submittals, etc.;
 - 4. To establish normal working hours for the work;
 - 5. To review safety standards and traffic control; and
- To discuss such other related items as may be pertinent to the work. 6.
- 38 The Contractor shall prepare and submit at the preconstruction conference the following: 39
 - A breakdown of all lump sum items; 1.
 - 2. A preliminary schedule of working drawing submittals; and
 - 3. A list of material sources for approval if applicable.

43 Add the following new section:

- 44 45 **1-08.0(2)** Hours of Work
- 46 (December 8, 2014 APWA GSP)
- 47

- Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.
- 8 All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).
 10

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than **noon on the working day** prior to the day(s) the Contractor is requesting to change the hours.

- 17 If the Contracting Agency approves such a deviation, such approval may be subject to certain18 other conditions, which will be detailed in writing. For example:
- 19 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting 20 Agency for the costs in excess of straight-time costs for Contracting Agency 21 representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed 22 23 necessary by the Engineer include, but are not limited to: survey crews; personnel from 24 the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such 25 work necessitates their presence.) 26 27
 - 2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
 - 3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
 - 4. If a 4-10 work schedule is requested and approved the non working day for the week will be charged as a working day.
 - 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

36 **1-08.1 Subcontracting**

- 37 Section 1-08.1 is supplemented with the following:
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- Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall
 submit to the Engineer a certification that a written agreement between the Contractor and the
 subcontractor or between the subcontractor and any lower tier subcontractor has been
 executed.
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- 44 A subcontractor or lower tier subcontractor will not be permitted to perform any work under 45 the contract until the following documents have been completed and submitted to the 46 Engineer:

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

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

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12 **1-08.3(2)A** Type A Progress Schedule

- 13 (March 13, 2012 APWA GSP) 14
- 15 Revise this section to read:

17 The Contractor shall submit <u>\$\$3\$\$</u> copies of a Type A Progress Schedule no later than <u>at the</u> 18 preconstruction conference, or some other mutually agreed upon submittal time. The schedule 19 may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. 20 Regardless of which format used, the schedule shall identify the critical path. The Engineer 21 will evaluate the Type A Progress Schedule and approve or return the schedule for corrections 22 within 15 calendar days of receiving the submittal.

- 1-08.4 Prosecution of Work
 - Delete this section in its entirety, and replace it with the following:

²⁸ **1-08.4 Prosecution of Work**

30 Delete this section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

33 (July 23, 2015 APWA GSP)

35 Notice to Proceed will be given after the contract has been executed and the contract bond and 36 evidence of insurance have been approved and filed by the Contracting Agency. The 37 Contractor shall not commence with the work until the Notice to Proceed has been given by 38 the Engineer. The Contractor shall commence construction activities on the project site within 39 ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor 40 shall diligently pursue the work to the physical completion date within the time specified in 41 the contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve 42 the Contractor of the responsibility to complete the work within the time(s) specified in the 43 contract. 44

45 When shown in the Plans, the first order of work shall be the installation of high visibility 46 fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

(February 1, 2008 R&E GSP)

Section 1-08.4 is supplemented with the following:

Project Meetings

The Engineer shall be responsible for preparation of agenda, preparation of minutes and distribution of documentation. One set of the documentation will be sent to each participant. All meetings will be held at on-site, unless otherwise agreed upon.

Progress Meetings

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

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

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

36 **Coordination Meetings**

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

42 Additional Meetings

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

1 2	All costs involved with the various meetings shall be incidental to the various bid items.			
$\frac{2}{3}$	September 15–2008 R&E GSP)			
4	Order of Work			
5				
6	Phase 1 Shoulder Widening Work			
7	The Contractor shall substantially complete the following work as shown on the Plans within			
8	10 working days:			
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10	Installing traffic control devices			
11	Installing erosion control measure			
12	Clearing and grubbing			
13	Removal of structures and obstructions			
14	Roadway excavation			
15	Structure excavation			
16	• Utility (storm and illumination) installation			
17	Backfilling and compaction			
18	• Grading			
19	HMA paving			
20	Curb installation			
21				
22	Phase 2 Splitter and Center Island Work			
23	Phase 2 work shall not commence until Phase 1 work is substantially completed. The			
24	Contractor shall provide a minimum of 5 working day notice to the Contracting Agency prior			
25	to the planned start date for Phase 2 work. To limit the impact to 1-5 traffic, the following			
26	work as shown on the Plans shall be substantially completed within 5 consecutive working			
21	days, beginning on Monday at / am and completed by Friday at / pm of the same week:			
20	• Install and basin anarating the Dertable Changeable Massage Sign two calendar			
29	 Install and begin operating the Portable Changeable Message Sign two calendar weeks prior to commencing Phase 2 work 			
31	 Installing traffic control devices 			
37	 Instanting traffic control devices Utility (ITS) installation in accordance with ITS Plan sheet time restrictions 			
32	 Planing 			
3/	 Rackfilling and compaction 			
35	Grading			
36	 Ordening Center island and splitter island curb installation 			
37	 HMA paving 			
38	 Seeding fertilizing and mulching 			
39	 Pavement marking 			
40	Removal of traffic control devices			
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1-08.5 **Time for Completion**

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(March 13, 1995 WSDOT GSP)

Section 1-08.5 is supplemented with the following:

This project shall be physically completed within 15 working days.

(September 12, 2016 APWA GSP, Option A)

11 Revise the third and fourth paragraphs to read:

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

14 15 Each working day shall be charged to the contract as it occurs, until the contract work is 16 physically complete. If substantial completion has been granted and all the authorized working 17 days have been used, charging of working days will cease. Each week the Engineer will 18 provide the Contractor a statement that shows the number of working days: (1) charged to the 19 contract the week before; (2) specified for the physical completion of the contract; and (3) 20 remaining for the physical completion of the contract. The statement will also show the 21 nonworking days and any partial or whole day the Engineer declares as unworkable. Within 22 10 calendar days after the date of each statement, the Contractor shall file a written protest of 23 any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in 24 sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By 25 not filing such detailed protest in that period, the Contractor shall be deemed as having 26 accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 27 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked 28 would ordinarily be charged as a working day then the fifth day of that week will be charged 29 as a working day whether or not the Contractor works on that day. 30

31 Revise the sixth paragraph to read:

33 The Engineer will give the Contractor written notice of the completion date of the contract 34 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: 35

- 1. The physical work on the project must be complete; and
- 37 2. The Contractor must furnish all documentation required by the contract and required 38 by law, to allow the Contracting Agency to process final acceptance of the contract. 39 The following documents must be received by the Project Engineer prior to establishing 40 a completion date: 41
 - a. Certified Payrolls (per Section 1-07.9(5)).
 - b. Material Acceptance Certification Documents
 - c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
 - d. Final Contract Voucher Certification
- e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor 46 47 and all Subcontractors

f. Property owner releases per Section 1-07.24

1-08.7 Maintenance during Suspension

(October 1, 2005 APWA GSP)

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Revise the second paragraph to read:

8 At no expense to the Contracting Agency, the Contractor shall provide through the construction 9 area a safe, smooth, and unobstructed roadway, sidewalk, and path for public use during 10 suspension (as required in Section 1-07.23 or the Special Provisions). This may include a 11 temporary road or detour.

13 1-08.9 Liquidated Damages

14 (August 14, 2013 APWA GSP) 15

16 Revise the fourth paragraph to read:

17 18 When the Contract Work has progressed to Substantial Completion as defined in the Contract, 19 the Engineer may determine that the work is Substantially Complete. The Engineer will notify 20 the Contractor in writing of the Substantial Completion Date. For overruns in Contract time 21 occurring after the date so established, the formula for liquidated damages shown above will 22 not apply. For overruns in Contract time occurring after the Substantial Completion Date, 23 liquidated damages shall be assessed on the basis of direct engineering and related costs 24 assignable to the project until the actual Physical Completion Date of all the Contract Work. 25 The Contractor shall complete the remaining Work as promptly as possible. Upon request by 26 the Project Engineer, the Contractor shall furnish a written schedule for completing the 27 physical Work on the Contract.

28 29 (NWR February 5, 2007)

Section 1-08.9 is supplemented with the following:

Delayed completion of Phase 2 work will result in impacts to the traveling public, increase
 fuel consumption, increase vehicle operating costs, increase pollution, and cause other
 inconveniences and harm far in excess of those resulting from delay of most projects.
 Accordingly, the Contractor agrees:

- 1. To pay \$200 liquidated damages per each hour prorated to the nearest hour that Phase 2 work is not completed as specified in the Subsection Notice to Proceed and Prosecution of the Work and Time for Completion of the Special Provision PROSECUTION AND PROGRESS.
- 2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

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:
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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.

18 **1-09.6 Force Account**

19 (October 10, 2008 APWA GSP) 20

21 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.

- 29 30 (February 1, 2008 R&E GSP)
- 31 Section 1-09.6 is supplemented with the following:

No claim for force account shall be allowed except upon written order by the Engineer prior
to the performance of the work. The Contractor shall submit the required force account
documentation to the Engineer on a daily basis unless agreed otherwise. The Contractor and
the Engineer shall review all work or material to be paid for under force account on a daily
basis unless agreed otherwise. The Contractor may propose corrections to the force account
quantities and shall supply supporting documentation to the Engineer within 2 working days,
unless agreed otherwise, of having reviewed the force account quantities with the Engineer.

1 1-09.9 Payments

2 (March 13, 2012 APWA GSP) 3 4 Supplement this section with the following: 5 6 Lump sum item breakdowns are not required when the bid price for the lump sum item is less 7 than \$20,000. 8 9 (March 13, 2012 APWA GSP) 10 Delete the first four paragraphs and replace them with the following: 11 12 The basis of payment will be the actual quantities of Work performed according to the Contract 13 and as specified for payment. 14 15 The Contractor shall submit a breakdown of the cost of lump sum bid items at the 16 Preconstruction Conference, to enable the Project Engineer to determine the Work performed 17 on a monthly basis. A breakdown is not required for lump sum items that include a basis for 18 incremental payments as part of the respective Specification. Absent a lump sum breakdown, 19 the Project Engineer will make a determination based on information available. The Project 20 Engineer's determination of the cost of work shall be final. 21 22 Progress payments for completed work and material on hand will be based upon progress 23 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the 24 preconstruction conference. 25 26 The initial progress estimate will be made not later than 30 days after the Contractor 27 commences the work, and successive progress estimates will be made every month thereafter 28 until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payments. The progress estimates are 29 30 subject to change at any time prior to the calculation of the final payment. 31 32 The value of the progress estimate will be the sum of the following: 33 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work 34 completed multiplied by the unit price. 35 2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum 36 breakdown for that item, or absent such a breakdown, based on the Engineer's 37 determination. 38 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or 39 other storage area approved by the Engineer. 40 4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer. 41 42 43 Progress payments will be made in accordance with the progress estimate less: 44 1. Retainage per Section 1-09.9(1), on non FHWA-funded projects; 45 2. The amount of progress payments previously made; and 46 3. Funds withheld by the Contracting Agency for disbursement in accordance with the 47 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.

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

6 (July 23, 2015 APWA GSP) 7

- 8 Delete this section and replace it with the following:
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10 For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims or causes of action which the Contractor has against the Contracting Agency arising 11 12 from the Contract shall be brought within 180 calendar days from the date of final acceptance 13 (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any 14 such claims or causes of action shall be brought only in the Superior Court of the county 15 where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties 16 17 understand and agree that the Contractor's failure to bring suit within the time period 18 provided, shall be a complete bar to any such claims or causes of action. It is further 19 mutually agreed by the parties that when any claims or causes of action which the Contractor 20 asserts against the Contracting Agency arising from the Contract are filed with the 21 Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency 22 to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action. 23

25 **1-09.13 Claims Resolution**26

27 **1-09.13(3) Claims \$250,000 or Less**

- 28 (October 1, 2005 APWA GSP) 29
- 30 Delete this section and replace it with the following:

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

37 **1-09.13(3)**A Administration of Arbitration

38 (October 1, 2005 APWA GSP)

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40 Revise the third paragraph to read:

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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

44 Superior Court of the county in which the Contracting Agency's headquarters are located. The

45 decision of the arbitrator and the specific basis for the decision shall be in writing. The

46 arbitrator shall use the contract as a basis for decisions.

1-10 **TEMPORARY TRAFFIC CONTROL**

2 1-10.1 General

3 4 5 6 (March 17, 2010 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.

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11 In addition, for any modifications to the access provisions, the Contractor shall furnish 12 satisfactory documentation that the affected property owners concur with the proposed change. 13 The Contractor shall be responsible to coordinate with and make the necessary arrangements 14 to accommodate the access requirements of the affected property owners and the public 15 services.

- 17 If a modification to traffic control is deemed necessary by the Engineer, the contractor shall immediately implement any requested modification(s). The need for flashing warning lights 18 19 shall be as determined by the Engineer. The cost of modifications to the tragic control plans 20 as directed by the Engineer shall be considered incidental to the Contract. 21
 - The Contractor shall determine and place signs in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and the Plans. A traffic control plan shall be submitted to the Engineer for review and approval prior to the beginning of construction.

26 1-10.2 **Traffic Control Management**

27 (*February 4, 2008 R&E GSP*) 28

- 29 Section 1-10.2 is supplemented with the following:
- 31 Before beginning work on the project, the Contractor shall designate a Traffic Control 32 Supervisor. The Contractor shall provide the Engineer with a list of names and phone numbers 33 of not more than six supervisory employees that may be called for traffic control, as needed, 34 during working or non-working hours. The Contractor shall have at least one of these 35 employees available at any time.
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37 If the Contractor's employees are not available in a timely manner to take care of emergency 38 traffic control work, Contracting Agency forces will perform this work on behalf of the 39 Contractor. If Contracting Agency forces provide emergency traffic control, the costs to the 40 Contracting Agency will be deducted from progress payments due the Contractor in 41 accordance with Section 1-10.1 of the Standard Specifications.

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43 1-10.2(1) General

- 44
- 45 Section 1-10.2(1) is supplemented with the following:
- 46
- 47 (January 3, 2017)

1	Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the		
2	State of Washington. The Traffic Control Supervisor shall be certified by one of the following:		
3			
4	The Northwest Laborers-Employers Training Trust		
5	27055 Ohio Ave.		
6	Kingston, WA 98346		
7	(360) 297-3035		
8			
9	Evergreen Safety Council		
10	12545 135 th Ave NE		
11	Kirkland, WA 98034-8709		
12	1-800-521-0778		
13			
14	The American Traffic Safety Services Association		
15	15 Riverside Parkway Suite 100		
16	Fredericksburg Virginia 22406-1022		
17	Training Dept. Toll Free (877) 642-4637		
18	Phone: (540) 368-1701		
19			
20	1-10.2(2) Traffic Control Plans		
21	(December 1 2016 R&E GSP)		
22			
23	Section 1-10 $2(2)$ is supplemented with the following:		
24			
25	The Work Zone Traffic Control Plans (TC-1 – TC-18) WSDOT Standard Plans are included		
26	in the contract documents as an appendix. These standard plans and the Traffic Control Plans		
27	included in the Contract Documents shall be considered as the project TCP's. The contractor		
28	may choose to submit alternate TCP's for approval as outlined in this section		
29			
30	Any modifications to existing plans or new traffic plans shall be submitted to the Engineer for		
31	review and approval a minimum of five (5) working days prior to institution of the plan		
32	To the ward approval a minimum of the (c) working augo prior to montation of the plan.		
33	1-10.3 Traffic Control Labor. Procedures and Devices		
34			
35	1-10.3(3) Traffic Control Devices		
36	(February 4, 2008 R&E GSP)		
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38	Section 1-10.3 is supplemented with the following:		
39			
40	As may be indicated in the Signing Plan or Traffic Control Plan, the Contractor may be		
41	required to install signs warning lights or both on barricades		
42	1-10.4 Measurement		
43	(August 2, 2004 WSDOT GSP)		
44			
45	1-10.4(2) Item Bids With Lump Sum for Incidentals		
46	Section 1-10.4(2) is supplemented with the following:		

(March 30, 2018 R&E GSP) "Portable Changeable Message Sign", lump sum 1-10.4(3) Reinstating Unit Items With Lump Sum Traffic Control Section 1-10.4(3) is supplemented with the following: (August 2, 2004 WSDOT GSP) The bid proposal contains the item "Project Temporary Traffic Control," lump sum and the additional temporary traffic control items listed below. The provisions of Section 1-10.4(1), Section 1-10.4(3), and Section 1-10.5(3) shall apply. "Flaggers" "Other Traffic Control Labor" "Portable Changeable Message Sign" 1-10.5(2) Item Bids With Lump Sum for Incidentals "Portable Changeable Message Sign", lump sum. The lump sum Contract payment, when applied in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work for procuring all portable changeable message signs required for the project, modifying the message per Engineer's direction, and for transporting these signs to and from the project.

DIVISION 2 EARTHWORK

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2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

5 6 **2-01.1 Description**

7 (February 4, 2008 R&E GSP)

9 Section 2-01.1 is supplemented with the following:

- This item also includes any clearing and grubbing necessary for the construction of driveways, storm drain system, and the reconstruction of intersecting roads shown on the plans.
- 14 Clearing and Grubbing work includes removal and disposal of topsoil to a depth of 6-inches 15 and trees as shown on the plans. In addition to natural materials, clearing and grubbing shall 16 also include removing and disposing of all refuse and any remaining structures, obstructions, 17 trees and/or tree stumps within the right-of-way excluding contiguous pavement or structures 18 identified under "Removal of Structures and Obstructions", as directed by the Engineer. 19

20 2-01.2 Disposal of Useable Material and Debris

- 21 (February 4, 2008 R&E GSP) 22
- 23 Section 2-01.2 is supplemented with the following:24
 - Unless otherwise provided in the specifications, all material removed under this item shall become the property of the Contractor.

28 2-01.2(1) Disposal Method No. 1 - Open Burning

29 (February 4, 2008 R&E GSP) 30

- 31 Section 2-01.2(1) is supplemented with the following: 32
 - Disposal method No. 1 shall not be permitted within the project limits.

35 2-01.2(3) Disposal Method No. 3 - Chipping

- 36 (March 17, 2010 R&E GSP) 37
- Section 2-01.2(3) is supplemented with the following:
- 40 Revise the fourth sentence to read:
- 42 "All chips shall become the property of the Contractor and shall be removed".
- 43

2-01.3 Construction Requirements

2-01.3(1) Clearing

(February 4, 2008 R&E GSP)

- Section 2-01.3(1) is supplemented with the following:
- 8. The Contractor shall clear all areas staked and flagged by the Engineer prior to the placement of cut/fill stakes, offset stakes or grade hubs.
 - 9. Tree trimming shall be sequenced so that overhanging limbs are removed prior to commencing construction activities. Construction activities include equipment staging, materials storage, and worker-vehicle parking.
- 10. When tree roots are encountered during construction activities, the Contractor shall carefully expose all roots greater than1 inch diameter, either by hand or gently with the machine bucket, and then cut cleanly with lopper or saw. Pulling and wrenching of the roots shall not be allowed.

2-01.3(2) Grubbing

- 20 Section 2-01.3(2) is supplemented with the following:
 - f. Stumps shall be removed except where doing so would damage water, sewer lines or other utilities. Voids left by stump removal shall be backfilled with a granular material and compacted in accordance with Section 2-03.3(14)C. Unless otherwise noted, all materials removed shall become the property of the Contractor and shall be disposed of outside the project limits.
 - g. If equipment outriggers are placed between the proposed sidewalk and the trees, the Contractor shall place plywood or large wood chips to spread out the weight of the outriggers.
- **2-01.5** Payment
- 32 (February 4, 2008 R&E GSP)
- 34 Section 2-01.5 is supplemented with the following:35

"Clearing and Grubbing," lump sum. No additional payment shall be made for haul. Any
 other clearing and grubbing not specifically identified as being paid for elsewhere will be
 considered incidental to this bid item and no other payment shall be made.

- **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**
- **2-02.1 Description**
- 43 (September 15, 2008 R&E GSP)
 44
- 45 Section 2-02.1 is supplemented with the following:

Also included will be existing asphalt concrete pavement, chip seal, cement concrete curbs, gutter, sidewalk, driveways, retaining walls, culverts, ecology blocks, guardrail and posts, plugging drainage pipes, landscaping structures, fire hydrants, fences, and other structures necessary to complete the work indicated on the plans or as directed by the Engineer. Equipment, labor, and materials necessary to perform the work as specified shall be considered a portion of this work. All material shall be hauled offsite to a permitted, Contractor provided disposal site in accordance with Section 2-03.3(7)C. No payment will be made for haul.

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9 2-02.3 Construction Requirements

- 10 (February 4, 2008 R&E GSP)
- 11

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12 Section 2-02.3 is supplemented with the following:

14 Utility Removal

15 Cavities left by removal of features by other parties, i.e., utility poles or other obstructions, 16 shall be backfilled and compacted by the Contractor in accordance with Section 2-03.3(14)C.

18 Use of Explosives

Explosives shall not be used in the demolition.

21 **2-02.3(3)** Removal of Pavement, Sidewalks, Curbs and Gutters

- 22 (March 9, 2008 R&E GSP) 23
- 24 Section 2-02.3(3) is supplemented with the following:
- 26 Delete Item 1. No on-site burial of pavement, sidewalks, curbs and gutters, is allowed.
- Item 3 is supplemented with the following: "At locations where the existing concrete is to
 remain, the horizontal sawcut line shall not vary more than 1/8 inch along the edge of a 10foot straightedge placed on the surface parallel to the horizontal sawcut line."
- 3132 Removal of Cement Concrete Curb, Gutter and Sidewalk
- The Contractor shall use a sawcut to delineate the curb, gutter and sidewalk to be removed from curb, gutter and sidewalk to remain. The Contractor shall take care to avoid damaging adjacent curb, gutter and sidewalk to remain. Any damage caused to the curb, gutter and sidewalk to remain, as a result of the Contractor's operations, shall be repaired to the satisfaction of the Engineer at no additional cost to the Contracting Agency.

3839 2-02.4 Measurement

- 40 (*February 4, 2008 R&E GSP*)
- 41

42 Section 2-02.4 is supplemented with the following:43

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

1 **2-02.5 Payment**

- 2 (February 4, 2008 R&E GSP)
- 2 3 4

Section 2-02.5 is supplemented with the following:

5 6 The lump sum contract price for "Removal of Structures and Obstructions" shall be full 7 compensation for all tools, equipment, materials, and labor to excavate and dispose of the 8 above materials, including Haul and disposal fees. Removal of any structures and obstructions 9 readily apparent by visual inspection from the ground surface and not identified elsewhere will 10 be considered incidental to this bid item.

11 12

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

16 **2-04 HAUL**

17

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22 23

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18 **2-04.4 Measurement**

19 (February 5, 2008 R&E GSP) 20

Section 2-04.4 is revised to read:

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

2526 2-04.5 Payment

27 (February 5, 2008 R&E GSP)

- 2829 Section 2-04.5 is deleted in its entirety.
- 30

31 **2-07 WATERING**

32

2-07.4 Measurement

- 34 (September 15, 2008 R&E GSP)
- 35

36 Section 2-07.4 is supplemented with the following: 37

The Contractor shall provide water distribution records including truck tickets and operator time records if requested by the Engineer. The contractor will not be allowed to use City water from fire hydrant without first renting a backflow preventer and meter from the City. Use of City water must be pre-approved by the Public Works Department. If Contracting Agency water is used, water meter records will be recorded and used as the basis for payment.

43

44 2-09 STRUCTURE EXCAVATION

4546 2-09.3 Construction Requirements

Select excavated material, as approved by the Engineer, shall be used as backfill. If the 1 2 Engineer determines that native material is not suitable for trench backfill, import gravel shall 3 be used and payment shall be made per Section 4-02.5.

4 5 6 2-09.3(4) Construction Requirements, Structure Excavation, Class B

- Section 2-09.3(4) is supplemented with the following:
- 7
- 8 All trenches shall be backfilled and completed by the end of the day. No payment shall be
- 9 made for backfill of native materials. Gravel base shall be used for backfill unless the Engineer 10 approves the use of native material.

1 2	DIVISIO BASES	DN 4		
3 4	4-02	GRAVEL BASE		
5				
6	4-02.2 N	4-02.2 Materials		
7	(February 5, 2008 R&E GSP)			
8 9	Section 4	-02.2 is supplemented with the following:		
10	Mate	erial shall meet the requirements of Section 9-03.10 Gravel Base as modified. Refer to		
11 12	revis	sed Section 9-03.10 Aggregate for Gravel Base.		
13	4-02.4 N	leasurement		
14	(January	31, 2011 R&E GSP)		
15	The first	paragraph of Section 4-02.4 is revised to read:		
16				
17	"Gra	avel Base" shall be measured by the ton and shall include haul.		
18				
19	4-02.5 P	ayment		
20	(February	y 5, 2008 R&E GSP)		
21 22	Section 4	-02.5, delete the second paragraph and replace with the following:		
23 24	"Gra	avel Base," per ton.		
25 26 27	Proc bid i	of rolling of material at the direction of the Engineer will be considered incidental to this tem.		
27	4-04 RA	LAST AND CRUSHED SURFACING		
20	H = 0H D 2 H			
30	4-04.4 N	leasurement		
31	(February	v 5 2008 R&E GSP)		
32	Section 4	-04 4 the second paragraph is revised to read		
33		····,		
34	"Cri	shed Surfacing Top Course " shall be measured by the top and shall include haul		
35				
36	4-04.5 P	avment		
37	(February	v 5, 2008 R&E GSP)		
38	Section 4	-04.5, the second paragraph is revised to read:		
39				
40	"Cru	shed Surfacing Top Course," per ton.		

1 **DIVISION 5**

2 SURFACE TREATMENTS AND PAVEMENTS 3 4 5-04 HOT MIX ASPHALT 5 (June 19, 2017 APWA GSP) 6 7 Delete WSDOT Amended Section 5-04, Hot Mix Asphalt, and replace it with Section 5-04, 8 Hot Mix Asphalt as printed in the Standard Specifications for Road, Bridge and Municipal 9 Construction, 2016 edition. 10 11 5-04.2 **Materials** 12 (January 3, 2011) 13 Section 5-04.2 is supplemented with the following: 14 15 ESAL's 16 The number of ESAL's for the design and acceptance of the HMA shall be *** 4 *** million. 17 18 **Construction Requirements** 5-04.3 (*February 25, 2008 R&E GSP*) 19 20 Section 5-04.3 is supplemented with the following: 21 22 All castings within paved areas shall be adjusted to finished grade after the final lift of paving as 23 shown on the plans and paid per Section 7-05.5. 24 25 5-04.3(3) **Hot Mix Asphalt Pavers** 26 27 5-04.3(3)A **Material Transfer Device / Vehicle** 28 (January 16, 2014 APWA GSP) 29 30 The first paragraph of this section is revised to read: 31 32 Additionally, a material transfer device or vehicle (MTD/V) is not required at the following 33 locations: Project Limits. 34 35 5-04.3(5)A Preparation Of Existing Paved Surfaces (March 9, 2010 R&E GSP) 36 37 Section 5-04.3(5)A is supplemented with the following: 38 39 Tack coat shall be uniformly applied to cover the face of the gutter abutting the HMA with a 40 thin film of residual asphalt free of streaks and bare spots. 41 42 The Contractor shall limit the amount of tack coat placed to that amount that will be fully 43 covered by the asphalt overlay at the end of each work shift. 44 45 (NWR February 9, 2004)

1 The Contractor shall ensure that the asphalt for tack coat does not enter into State waters, 2 including wetlands.

- In accordance with Section 1-07.15(1) Spill Prevention, Control and Countermeasures Plan
 (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be taken
- (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be taken
 in the event that the paving operation is suspended or terminated prior to the asphalt for tack
 coat being fully covered.
- **5-04.3(7)A2** Statistical or Nonstatistical Evaluation
- 11 Delete this section and replace it with the following:

1213 5-04.3(7)A2 Nonstatistical Evaluation

- 14 (January 16, 2014 APWA GSP)
 - Mix designs for HMA accepted by Nonstatistical evaluation shall;
 - Be submitted to the Project Engineer on WSDOT Form 350-042
 - Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
 - Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.
 - At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;
 - The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date
 - The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
 - The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.
- The mix design will be performed by a lab accredited by a national authority such as Laboratory
 Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials
 Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall
 supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL)
 program.

- At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year
 verification period with a certification from the Contractor that the materials and sources are the
 same as those shown on the original mix design.

1 **5-04.3(8)A1** General

- 2 (January 16, 2014 APWA GSP)
- 3 Delete this section and replace it with the following:
- 5 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.

9

4

10 The mix design will be the initial JMF for the class of HMA. The Contractor may request a 11 change in the JMF. Any adjustments to the JMF will require the approval of the Project Engineer 12 and must be made in accordance with Section 9-03.8(7).

13

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

21

22 **5-04.3(8)A4** Definition of Sampling Lot and Sublot

- 23 (January 16, 2014 APWA GSP)
- 24 Section 5-04.3(8)A4 is supplemented with the following:
- For HMA in a structural application, sampling and testing for total project quantities less than
 400 tons is at the discretion of the engineer. For HMA used in a structural application and with
 a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance
 test shall be performed:
- i. If test results are found to be within specification requirements, additional testing
 will be at the engineers discretion.
- ii. If test results are found not to be within specification requirements, additional
 testing as needed to determine a CPF shall be performed.
- 34

35 **5-04.3(8)A5** Test Results

- 36 (January 16, 2014 APWA GSP)
- 37 The first paragraph of this section is deleted.
- 38

39 **5-04.3(8)A6 Test Methods**

- 40 (*May 30, 2013 R&E GSP*)
- 41 Delete this section and replace it with the following;
- 42
- 43 Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested,
- compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for
 compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for
- 46 compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

1 **5-04.3(9) Spreading And Finishing**

- 2 (February 25, 2008 R&E GSP)
- 3 Section 5-04.3(9) is supplemented with the following:

5 During grading operations, the elevation difference between the portion of the traveled way open 6 to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to allow cross 7 traffic.

8

9 **5-04.3(10)B4 Test Results**

- 10 (*May 30, 2013 R&E GSP*)\
- 11 Delete this section and replace it with the following;
- 12

13 The results of all acceptance testing performed in the field and the Composite Pay Factor (CPF) 14 of the lot after three sublots have been tested will be provided to the Contractor within 2 working

- days. The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results provided. The sample will be tested for a complete gradation analysis, asphalt binder content, and the results of the retest will be used for the acceptance of the HMA in place of the original sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the
- 20 Contractor under the Contract at the rate of \$250 per sample.
- 21

22 **5-04.3(12)** Joints 23

24 **5-04.3(12)A** Transverse Joints

25 (February 25, 2008 R&E GSP)

26 Section 5-04.3(12)A is supplemented with the following:

27 28

All joints of new hot mix asphalt to an existing pavement shall be sealed with an appropriate asphalt joint sealer.

29 30

31 **5-04.3(14)** Planing Bituminous Pavement

- 32 (March 9, 2010 R&E GSP)
- 33 Section 5-04.3(14) is supplemented with the following:
- 34

43

35 **Transverse Joints**

- 36 Unless specifically directed by the Engineer, all connections to existing asphalt shall be by a 37 vertical sawcut abutting the pavements together and heated prior to mat construction. All joints
- 38 of new hot mix asphalt to an existing pavement shall be sealed with an appropriate asphalt joint 39 sealer. The Contractor shall construct and maintain a temporary hot mix asphalt wedge in
- 40 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
- 42 Contractor shall remove the wedge immediately prior to paving.

44 5-04.5(1)B HMA Price Adjustments for Quality of HMA Compaction

- 45 (January 16, 2014 APWA GSP)
- 46 Delete this section and replace it with the following:

- 1 The maximum CPF of a compaction lot is 1.00.
- 2

3 For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction

4 Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus

5 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the

6 product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton

7 of the mix.

1 **DIVISION 7**

2 DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, 3 **AND CONDUITS**

4 5

6

7-04 STORM SEWERS

7 7-04.1 Description

- 8 (*February 5, 2008 R&E GSP*)
- 9

11 12

13

10 Section 7-04.1 is supplemented with the following:

The soils on the site may be considered suitable for trench backfill beneath the roadbed prism. Native materials may be used for trench backfill within the roadway prism with approval from or at the direction of the Engineer.

14 15

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16 7-04.3(1) Cleaning and Testing

7-04.3(1)A General 18

19 Section 7-04.3(1)A is supplemented with the following:

21 Storm Drain Pipe shall be tested visually for alignment with full circle visibility required 22 between drainage structures. Storm drain structures shall be cleaned of sediment and debris 23 prior to final acceptance. 24

25 7-04.4 Measurement

26 27 Section 7-04.4 is supplemented with the following:

28 Measurement for the various bid items for Storm Sewer pipe as indicated in the bid proposal 29 form, shall be per linear foot. The following items shall be incidental and included in the unit 30 price per linear foot:

- 31
- 32 1. Structure Excavation Class B
- 33 2 Dewatering if required
- 34 3. Pipe bedding as shown on the Plans
- 35 4. Compaction
- 5. Installation of storm sewer pipe 36
- Coupling bands, fittings, and associated gaskets 37 6.
- 38 7. Cleaning
- 39 8. Connection to existing storm drains, culverts, and structures
- 40 9. Other work and materials, not specifically identified as being paid elsewhere
- Bevel of pipe ends if applicable 41 10.

43 7-04.5 Payment

44 45 Section 7-04.5 is supplemented with the following:

1 The unit contract price per linear foot for the various bid items for Storm Sewer pipe as 2 indicated in the bid proposal form, shall be full compensation for all labor, material, tools and 3 equipment required to complete the Bid Items in accordance with Section 1-04.1.

4 5

6

7-05 MANHOLES, INLETS, AND CATCH BASINS

7 **7-05.1 Description**

8 Section 7-05.1 is supplemented with the following:

9

10 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 11 12 the Plans. The adjusting of any new storm drain catch basin frame, manhole ring and cover, 13 for the purpose of matching new finish grades shall be incidental to the cost of installation. 14 Existing manholes, inlets, and catchbasins within the Project boundary which are nearest to 15 the point of connection into the storm drain system and other manholes, inlets, and catchbasins 16 which are impacted by construction activities will be cleaned by the Contractor. This work is 17 incidental to the various bid items in this Section.

19 **7-05.3(1)** Adjusting Manholes and Catch Basins to Grade

20 (February 5, 2008 R&E GSP)

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18

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

Where shown in the Plans or where directed by the Engineer, the existing manholes, catch basins, inlets, <u>water valve boxes</u>, or water meter boxes shall be adjusted to the grade as staked or otherwise designated by the Engineer.

28 7-05.4 Measurement

- 29 (July 12, 2010 R&E GSP)
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31 Section 7-05.4 is supplemented with the following: 32

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

- 37 1. Structure Excavation Class B
- 382.Dewatering if required
- 39 3. Gaskets, fittings, inlets, frames and grates
- 40 4. Bedding
- 41 5. Compaction
- 42 6. Connection to existing culverts, structures and drain lines
- 43 7. Removing/adding concrete to manhole channels
- 44 8. Other work and materials, not specifically identified as being paid elsewhere
- 45 9. Temporary pumping and transportation of sewer flows, including pumps and trucks46
- 47 No specific unit of measure shall apply for the item "Adjustments to Finished Grade."

Measurement for HMA required for Adjustments to Finished Grades shall be per ton in
 accordance with Section 5-04.

4 **7-05.5 Payment**

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

- Section 7-05.5 is supplemented with the following:
- 9 "Adjustments to Finished Grade", lump sum.
- 10 The lump sum price for "Adjustments to Finished Grade" as indicated in the Bid Proposal 11 Form shall be full compensation for all labor, tools, equipment, and materials necessary to 12 adjust existing structures to finished grades within the project limits.

14 **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**

1516 **7-08.2 Materials**

17 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.

23 **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.

28

27

29 **7-08.3(2)**G Jointing of Dissimilar Pipe

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

Existing storm drains shall be jointed to proposed pipe 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

38 length of the existing storm drains that must be removed.

DIVISION 8 MISCELLANEOUS CONSTRUCTION

3 4 5 6 7 8 9 10 11

8-01 EROSION CONTROL AND WATER POLLUTION CONROL

8-01.1 Description

(March 18, 2010 R&E GSP)

The first paragraph of Section 8-01.1 is supplemented with the following:

Furnish all labor, materials and equipment necessary for installation seed, fertilizer, mulch, binding agents, including but not limited to the preparation of the ground surface, application of fertilizer, installation of seed, and chemicals as necessary in areas shown on the plans or as directed by the Engineer in accordance with these specifications. The extent and location of seeding work includes all areas in this project, except new plant beds and paved areas, which are disturbed by construction, grading, pavement removal, utility installation and any other of the Contractor's operations or as directed by the Engineer in accordance with these specifications.

19

20 8-01.3 Construction Requirements21

22 **8-01.3(1)** General

23 Section 8-01.3(1) is supplemented with the following:

The Contractor shall install orange silt fence along the site preservation lines shown in the
Plans or as instructed by the Engineer.

28 Wetland and Sensitive Area Protection

The Engineer will designate the vegetation to be protected by a site preservation line, highvisibility fencing, or individual flagging.

31

24

Existing wetland and other environmentally sensitive areas, where shown in the Plans or designated by the Engineer, shall be protected through the life of the Contract. When applicable, a site preservation line has been established as a boundary between work zones and sensitive environmental areas. This is especially important due to the proximity of the existing sensitive environmental areas (e.g., wetlands, streams and buffers on site).

37

The Contractor shall install high visibility fence as shown in the Plans or designated by the Engineer in accordance with this section. The areas to be protected include critical environmental areas, buffer zones, and other areas of vegetation to be preserved. The Contractor shall keep areas identified by the site preservation lines free of construction equipment, construction materials, debris, and runoff. No access, to include but not limited to excavation, clearing, staging, or stockpiling shall be performed inside the protected area.

45 **8-01.3(2)** Seeding, Fertilizing, and Mulching

- 46 (March 18, 2010 R&E GSP)
- 47 48 Section 8-01.3(2) is supplemented with the following:
1 "Seeding, Fertilizing, and Mulching" will be paid in the areas shown on the Plans. This will 2 generally consist of areas of the access road slope where no established lawns or landscaping 3 currently exist. "Seeding, Fertilizing, and Mulching" shall be placed on all exposed soils along the access road slopes or any area directed by Engineer. "Seeding, Fertilizing, and 4 5 Mulching" shall also be placed on all fill and cut areas outside roadway surface width, within 6 the project limits and as shown on the Plans. 7

8 The intent of "Seeding, Fertilizing, and Mulching" is to produce viable roadside vegetation 9 toward the end of preventing erosion. If seeding has not germinated satisfactorily at the time 10 of final acceptance, this work will be considered defective according to Section 1-05.7 of the Standard Specifications. The Engineer may require the Contractor to post security equal to 11 12 200% of the amount bid for "Seeding, Fertilizing, and Mulching" in order to secure 13 performance of this germination specification. This security shall be in a form acceptable to 14 the Contracting Agency and may be required prior to release of retainage of this project. Said 15 security shall not be released until satisfactory germination has occurred. Any erosion, which 16 in the opinion of the Engineer, occurs directly as a result of insufficient seed germination shall 17 be repaired by the Contractor at no additional expense to the Contracting Agency. Any such 18 repairs shall be completed prior to project acceptance or release of security as identified herein. 19 Satisfactory germination is defined as a minimum of 300 stems per square foot. Any area in 20 which two consecutive one square foot plots sampled fall below this standard will be 21 considered defective and shall be corrected by the Contractor.

22

23 The dates for seeding outlined in Section 8-01.3(2)F of the Standard Specifications will be 24 considered guidelines rather than requirements for this item. The Contractor shall use 25 professional judgment and consider factors such as weather and soil moisture to obtain 26 satisfactory germination.

27 28

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

30 31 **Binding Agents**

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

33 34 8-01.3(2)D Mulching

35 36 37 (March 18, 2010 R&E GSP)

Section 8-01.3(2)D is supplemented with the following: 38

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

40 41

39

42 8-01.4 Measurement

- 43 44 (March 18, 2010, 2008 R&E GSP)
- Section 8-01.4 is supplemented with the following: 45
- 46 Seeding, fertilizing, liming, mulching, mowing, and tackifier will be measured by the square 47 yard by ground slope measurement or through the use of design data.
- 48

1 2 3	No separate measurement will be made for fertilizer, mulch, soil amendments, binding agents, or water where applied for "Seeding, Fertilizing, and Mulching".
3 4 5	No specific unit of measure shall apply to the lump sum item "ESC Lead."
6	8-01.5 Payment
7	(March 18, 2010 R&E GSP)
8	Section 8-01.5 is supplemented with the following:
10 11	The first item, "ESC Lead", is revised to read:
12 13	"ESC Lead", lump sum.
13 14 15	The sixth item, "Inlet Protection" of Section 8-01.5 is revised to read:
16	"Inlet Protection", per each. The unit contract price per each for inlet protection shall include
17	all costs for removal and disposal of accumulated debris, inlet protection maintenance, and
18	inlet protection removal and disposal.
19	The twelfth item "High Visibility Silt Feneral" of Section 8 01.5 is revised to read:
20	The twenth item, Then visionity shi rence of section 8-01.5 is revised to read.
22	"High Visibility Silt Fence" per linear foot. The unit contract price per liner foot for high
23	visibility silt fence shall include all costs for removal and disposal of accumulated debris, silt
24	fence maintenance, and silt fence removal and disposal.
25	
26	The unit contract price per square yard for "Seeding, Fertilizing, and Mulching" shall be full
27	compensation for all labor, materials (fertilizer, mulch, soil amendments, binding agents), and
28	water, tools and equipment necessary to perform the work as specified herein. All other items
29	in this Section, not specified on the Bid Proposal form shall be included in the cost of
30	"Seeding, Fertilizing, and Mulching ". The unit price shall be full compensation for multiple
31	applications in areas required by the Engineer as the work progresses
32 33	8-20 GR8
34	0-20.000 Illumination Traffic Signal Systems and Electrical
35	munimation, Traine Signal Systems, and Deet Rai
36	8-20.1.GR8
37	Description
38	•
39	(*****)
40	The work involves constructing modifications to existing illumination and ITS systems
41	located at the I-5 Northbound Ramps/Portal Way intersection in the City of Ferndale.
42	
43	The work consists of removing concrete foundation, junction box, conduit sweeps, and
44	conductors; relocating existing light standard and 115 pullbox; adjusting all conduit entering
43 46	installing concrete foundation anchor bolts conduit junction box conductors aplices
47	temporary traffic control; testing; and all other work necessary to provide complete and

1 2	operational illumination and ITS systems as intended by the Plans and these Special Provisions
$\frac{2}{3}$	
4	8-20.2 GR8
5	Materials
6	
7	8-20.2(9-29.1).DT1
8	Conduit, Innerduct, and Outerduct
9	
10	8-20.2(9-29.1).INST1.ESP.DT1
11	Section 9-29.1 is supplemented with the following:
12	
13	(*****)
14	Conduit Sealing
15	Mechanical plugs for cabinet conduit sealing shall be one of the following:
16	
17	1. Todol – Duo-Fill 400
18	2. Jackmoon – Triplex Duct Plugs
19	3. O-Z Gedney – Conduit Sealing Bushings
20	
21	The mechanical plug shall withstand a minimum of 5 psi of pressure.
22	8 20 2(0 20 2) CB8
23	6-20.2(9-29.2). UK8 Junction Porces, Cable Vaults, and Pull Porces
24 25	Junction Boxes, Cable Vaulis, and Full Boxes
23 26	8-20 2(9-29 2(1)A) GR8
20	Standard Duty Junction Boxes
28	Section 9-29 2(1) A is supplemented with the following
29	
30	8-20.2(9-29.2(4)).OPT1.ESP.DT1
31	(NWR February 11, 2013)
32	Junction Box Identification
33	Junction boxes shall be marked "WSDOT" when the junction boxes are to be
34	installed as part of a future raceway system in a bridge structure, vehicle barrier,
35	pedestrian barrier, or roadway crossing and the future raceway system is not
36	connected to an illumination, signal, interconnect, or ITS raceway system.
37	
38	Junction boxes, pull boxes and cable vaults containing only Traffic Signal
39	Interconnect (fiber optics) cable shall be marked or embossed with the legend
40	"COMM".
41	
42	8-20.2(1).GR8
43	Equipment List And Drawings
44	9 20 2/1) DIGTI CD9
45	δ -20.2(1).INSTI.UK δ
40	Section 8-20.2(1) is supplemented with the following:

1	8-20.2(1).OPT1.ESP.DT1
2	(NWR November 13, 1996)
3	Manufacturer's data for materials proposed for use in the contract which require approval
4	shall be submitted in one complete package.
5	
6	8-20.3.GR8
7	Construction Requirements
8	
9	8-20.3(1).GR8
10	General
11	
12	8-20.3(1).INST1.ESP.DT1
13	Section 8-20.3(1) is supplemented with the following:
14	
15	8-20.3(1).OPT1.ESP.DT1
16	(NWR February 11, 2013)
17	Fiber Optic Cable Installation
18	When installing new fiber optic cable or reinstalling existing fiber optic cable into new
19	or existing cable vaults or pull boxes, the installation method shall ensure that the cable
20	is free of dirt and debris as it enters the conduit and that no dirt or debris enters the conduit
21	receiving the cable prior to the conduit being plugged or sealed.
22	
23	When installing fiber optic cable the installation method shall prevent the fiber cable
24	from direct contact with the ground or payement between pulls or prior to the installation
25	of the fiber cable into the conduit
26	
27	ICOMFOLUBE DT1
28	(NWR February 11, 2002)
29	Fiber Ontic Cable Lubricant
30	Fiber optic cable lubricant shall be as follows:
31	ricer optie eache racineant shan de as fondetts.
32	Compatible with the cable jacket
33	Non-combustible
34	Water-based leaving little or no residue
35	water based leaving little of no residue
36	ICOMMEOSPI DT1
37	(NWR February 11, 2002)
38	Fiber Ontic Splice Closure
39	All fiber ontic splice closures shall be re-enterable and reusable and be designed for use
40	on fiber ontic cables in an underground submerged environment All splice closures shall
<u>4</u> 1	be rated for 1310 and 1550 nanometer wavelengths
71 //2	of face for 1510 and 1550 nanometer wavelenguis.
42	

1 ICOMCABLE.DT1

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2 (NWR February 11, 2002) 3

Cable Installation - General

4 The Contractor shall determine a suitable cable installation method to ensure that all cable 5 installation requirements shall be met in all conduit sections. All work shall be carried 6 out in accordance and consistent with the highest standards of quality and craftsmanship 7 in the communication industry with regard to the electrical and mechanical integrity of 8 the connections; the finished appearance of the installation; as well as the accuracy and 9 completeness of the documentation.

The Contractor shall make a physical survey of the project site for the purpose of establishing the exact cable routing and cutting lengths prior to the commencement of any fiber optic work or committing any fiber optic materials. Splicing is only allowed for the programmed connection of reels and as shown in the Plans to connect a lateral fiber optic cable to the mainline distribution fiber optic cable. The Contractor shall submit a cable routing plan that shows the locations of all splices. All splice locations other than those shown in the Plans must be approved by the Engineer.

All work areas shall be clean and orderly at the completion of work and at times required by the Engineer during the progress of work.

22 **ICOMFOINST.DT1**

(NWR October 21, 2003)

Fiber Optic Cable Installation

Fiber optic cables shall be installed in continuous lengths without intermediate splices throughout the project, except at the location(s) specified in the Plans, or as approved in writing by the Engineer.

The Contractor shall comply with the cable manufacturer's specifications and recommended procedures including, but not limited to the following:

- 1. Installation.
- 2. Proper attachment to the cable strength elements for pulling during installation.
- 3. Bi-directional pulling.
- 4. Cable tensile limitations and the tension monitoring procedure.
- Cable bending radius limitations. 5.

The Contractor shall protect the loops from tangling or kinking. At no time during the length of the project shall the cable's minimum bending radius specification be violated.

- To accommodate long, continuous installation lengths, bi-directional pulling of the fiber optic cable shall be permitted.
- 44 In all cable vaults, pull boxes, and at all splice locations cable slack of 50 feet shall be left by the Contractor, unless otherwise specified in the Plans. The 50 feet length of fiber 45

1 optic cable shall be coiled and secured with the raps to racking hardware or as specified 2 in the Plans. 3 4 Installation shall involve the placement of fiber optic cables in a specified inner duct as 5 defined in the Plans. The Contractor shall ensure that inner ducts are secured to prevent 6 movement during the cable installation process. 7 8 The pulling eye/sheath termination hardware on the fiber optic cables shall not be pulled 9 over any sheave blocks. 10 When power equipment is used to install fiber optic cabling, the pulling speed shall not 11 exceed 100 feet per minute. The pulling tension limitation for fiber optic cables shall not 12 13 be exceeded under any circumstances. 14 15 Large diameter wheels, pulling sheaves, and cable guides shall be used to maintain the 16 appropriate bending radius. Tension monitoring shall be accomplished using commercial dynamometers or load-cell instruments. 17 18 19 Patch cords placed between pad mounted cabinets shall be protected by plastic spiral 20 wrapping or flexible plastic duct. Spiral wrap or flexible plastic duct shall cover the entire length of the patch cord(s) to within 12 inches of end. The spiral wrap shall be installed 21 22 before the patch cords are pulled into the conduit(s) and be rated for use in electrical 23 installations. 24 25 Fiber optic cable lubricant shall be used to reduce pulling tensions for the installation of 26 each fiber optic cable. 27 28 ICOMFOSPL.DT1 29 (NWR October 16, 2006) 30 **Fiber Optic Cable Splicing** 31 Field splices shall be located as shown in the plans. No additional splices will be allowed 32 without the approval of the Engineer. 33 34 All fusion splicing equipment shall be in good working order, properly calibrated, and 35 meeting all industry standards and safety regulations. Cable preparation, closure installation and splicing shall be accomplished in accordance with accepted and approved 36 37 industry standards. 38 39 Upon completion of the splicing operation, all waste material shall be deposited in suitable containers for fiber optic disposal, removed from the job site, and disposed of in 40 41 an environmentally acceptable manner. 42 43 The Contractor shall use the fusion method for fiber optic splicing. Acceptable fusion 44 splicing techniques are: 45 46 Local Injections and Detection ٠

1	Profile Alignment System
2 3 4	The Contractor shall seal all cables where the cable jacket is removed. The cable shall be sealed per the cable manufacturer's recommendation with an approved blocking material.
5 6 7	The Contractor shall seal all buffer tubes with an approved blocking material to prevent migration of gel into splice trays.
8 9 10	All splices shall be contained in splice trays utilizing strain relief, such as heat shrink wraps, as recommended by the splice tray manufacturer.
11 12	ICOMFOCLOSE.DT1
13	(NWR October 4, 2004)
14	Fiber Optic Splice Closure
15	All below ground splices shall be contained in waterproof splice closures. Splices shall with a split the shall shall be below ground be fitted with a
10	neoprene gasket. Selected splices shall not require a re-entry kit. Upon sealing the splice
18	closure the Contractor shall show that the closure maintains 10 psi of pressure for a 24-
19	hour neriod
20	
21	ICOMFOLABL.DT1
22	(NWR February 11, 2002)
23	Fiber Optic Cable Labeling
24	Permanent cable labels shall be used to identify fibers and patch cords at each termination
25	point. The cable labels shall consist of white colored heat shrink wraps with identification
26	based on the schematic shown on the ITS detail sheets.
27	
28	ICOMRACKIN.DT1
29	(NWR February 11, 2002)
30	Cable Racking in Pull Boxes and Cable Vaults
31 27	ne Contractor shall rack the cable in vertical figure eight loops, which shall permit pulling slock from the yoults without introducing twist to the cable
32	putting stack from the values without introducing twist to the cable.
34	Cables shall be secured in racked positions with pylon ties. Identification or warning
35	tags shall be securely attached to the cables in at least two locations in each null box or
36	cable vault
37	
38	All coiled cable shall be protected to prevent damage to the cable and fibers. Racking
39	shall include securing cables to brackets (racking hardware) that extend from the side
40	walls of the pull box.
41	-
42	All racking hardware shall be stainless steel.
43	

1	ICOMASBULT.DT1
2	(NWR October 16, 2006)
3	As-Built Records
4	The Contractor shall provide the Engineer with a cable route diagram for all installed
5	fiber optic and twisted pair cables. The diagram shall show the actual cable routes and
6	"meter marks" where each cable enters and exits pull boxes, cable vaults, junction boxes,
7	splices and termination points. The Contractor shall record these points during cable
8	installation. The diagram shall also include all ITS device locations as well as the
9	location and quantity of slack cable. The cable route diagram shall be submitted to the
10	Engineer as part of the Fiber Cable Testing documentation.
11	
12	ICOMTESTFO.DT1
13	(NWR October 16, 2006)
14	Fiber Optic Cable Testing
15	The installed optical fiber cable shall be tested for compliance with the transmission
16	requirements of this specification, the cable and hardware manufacturer's specifications.
17	and prescribed industry standards and practices.
18	
19	Prior to commencing acceptance testing the Contractor shall complete the installation of
20	the fiber optic system This includes sealing the splice closures completing the splicing
21	and dressing in the distribution panels, and racking the cables in the pull boxes and cable
22	vaults
23	
24	All testing values shall be in metric
25	
26	Types of Testing
27	The types of acceptance testing for optical fiber cable system certification are:
28	
29	Power Meter testing
30	
31	Optical Time Domain Reflectometer (OTDR) testing
32	
33	Power Meter Testing
34	Power meter testing shall be used to measure the end-to-end attenuation of each
35	new fiber installed between a field device and a communications hub as well as
36	between communications hubs Power meter testing shall be performed at the
37	1310 and 1550 nanometer wavelength in both directions
38	1510 und 1000 manometer waverengar in ooar anoodons.
39	Prior to commencing testing the Contractor shall submit the manufacturer and
40	model number of the test equipment along with certification that the power
41	meter has been calibrated within 12 months of the proposed test dates
42	
43	The following information shall be documented for each fiber test
44	measurement.
45	

1	2. Fiber type (Singlemode or Multimode)
2	3. Cable, tube, and fiber IDs
3	4. Near end and far end test locations
4	• Use device names in Contract plans
5	5. End-to-end attenuation
6	• In each direction and the bidirectional average
7	6. Length of span being tested
8	7. Date, time, and operator
9	8. Wavelength
10	
11	Optical Time Domain Reflectometer (OTDR) Testing
12	An optical time domain reflectometer (OTDR) with recording capability shall
13	be utilized to test the end-to-end transmission quality of each optical fiber.
14	Quality tests shall consider attenuation, reflectance, and discontinuities. The
15	OTDR shall be equipped with 1310 nanometer and 1550 nanometer light
16	sources for singlemode optical fibers. The OTDR shall be capable of providing
17	electronic and hard copy records of each test measurement.
18	
19	The Contractor shall utilize a dead-zone box (a.k.a. launch reel) containing 1
20	km of optical fiber, when performing OTDR tests. The dead-zone box shall be
21	located between the OTDR and the fiber optic connector of each strand tested.
22	
23	Each new fiber shall be tested in both directions at the 1310 and 1550 nanometer
24	wavelengths. Existing fibers that are spliced to or re-spliced as part of this
25	contract shall also be tested in both directions and at both wavelengths.
26	
27	The following information shall be documented for each fiber test
28	measurement:
29	
30	1. Fiber/Strand #
31	2. Fiber type (Singlemode or Multimode)
32	3. Cable and fiber IDs
33	4. X-Y plot scaled for fiber length
34	• The X-axis (Distance) shall be scaled such that the beginning of the
35	trace starts with the OTDR/dead-zone interface. The end of the
36	trace shall extend no more than 1 km beyond the end of the test
37	span.
38	• The Y-axis (dB) shall be set to maximize the trace. The bottom of
39	the Y scale shall begin above the noise floor and the top of the scale
40	shall be no more than 5 dB higher than the largest event. No events
41	or reflections shall be cut off.
42	5. Near end and far end test locations
43	• Use device names in Contract plans
44	6. Date, time, and operator
45	7. Wavelength
46	8. OTDR Settings

1	• Index of Refraction
2	• Averaging time (Minimum of 30 seconds)
2	 Pulse Width (to provide a smooth trace, excluding events)
5 1	• Table of Events that includes: Event ID Type Location Loss and
4	9. Table of Events that includes. Event ID, Type, Location, Loss, and Deflection
3	
6	• Events are defined as:
/	
8	1. Any reflectance event in excess of -60 dB
9	2. Any loss occurrence in excess of 0.05 dB
10	3. Any splice location regardless of loss
11	4. Beginning and end of span
12	• The beginning of the span shall be denoted by the "A-
13	Marker". This marker shall be placed just to the left of the
14	spike of the dead-zone box / fiber interface.
15	• The end of the span shall be denoted by the "B-marker".
16	This marker shall be placed just to the left of the end-of
17	span reflection spike.
18	
19	Fiber Optic Performance Requirements
20	1. Splice Loss:
21	• Shall not exceed 0.20 dB in one direction
22	• Bidirectional Average shall not exceed 0.15 dB
23	2. Reflectance:
24	• Shall not exceed -55 dB
25	
26	Fiber Cable Testing Documentation
27	The Contractor shall submit one hard copy and one electronic copy of the fiber test
28	results to the Engineer for approval Only one OTDR test result shall be on each
29	page The Contractor shall take corrective actions on portions of the fiber
30	installation determined to be out of compliance with these specifications
31	insumation determined to be out of comphanee with these specifications.
32	Upon acceptance of the cable installation and test results the Contractor shall submit
33	three hard copies and three electronic copies of the fiber test results to the Engineer
34	the fund copies and the coefficient copies of the fiber test results to the Engineer.
35	Hard copy submittals shall be bound in 3-ring binders. The electronic submittals
36	shall be on compact discs and include one licensed conv of the applicable OTDR
37	reader program
38	Teader program.
30	The following information shall be included in each test result submittal:
40	The following information shall be included in each test result submittal.
40	1 Contract number, contract name, contractor name and address
41	2 Dates of cable manufacture installation and testing
т <u>∠</u> /3	2. Dates of cable manufacture, instantion, and testing 3. Cable specifications
	Caulo specifications Manufacturar data aboat
44 45	• Manufacturer data sneet
45	• Helix Factor
46	• Date of manufacture

1 2 3 4 5 6 7 8 9	 4. Fiber (Glass) specifications Manufacturer and Part # Index of Refraction Optical performance (loss/km) Mode Field Diameter 5. As-Built Records (In accordance with the Special Provisions) 6. OTDR test results – No more than one test per page 7. Power Meter test results
10	Within 30 days of submitting the test results the Contractor in the presence of the Engineer shall
11	re-test a minimum of 5% of the previously tested locations to validate the test results. A 5% sample
12	will be selected randomly from the terminal device locations.
13	······································
14	8-20.3(1).OPT2.ESP.DT1
15	(NWR May 15, 2000)
16	Energized Equipment
17	Work shall be coordinated so that electrical equipment, with the exception of the service
18	cabinet, is energized within 72 hours of installation.
19	
20	8-20.3(1).OPT3.ESP.DT1
21	(NWR June 20, 1995)
22	Pole Removal
23	Poles designated for removal shall not be removed prior to approval of the Engineer.
24 25	8 20 2(1) OPT5 ESP DT1
23 26	6-20.5(1).0P15.ESP.D11 (NWD October 31, 2005)
20	(INVIR OCCODED 51, 2005) Construction Core Installation
27	The Contractor shall coordinate installation of construction cores with Contracting
20	Agency maintenance staff through the Engineer. The Contractor shall provide written
30	notice to the Engineer a minimum of seven working days in advance of proposed
31	installation The Contractor shall advise the Engineer in writing when construction cores
32	are ready to be removed.
33	
34	8-20.3(1).OPT6.ESP.DT1
35	(NWR May 15, 2000)
36	Electrical Equipment Removals
37	Removals associated with the electrical system shall not be stockpiled within the job site
38	without the Engineer's approval.
39	
40	8-20.3(1).OPT12.ESP.DT1
41	(NWR April 11, 2001)
42	Contractor Owned Removals
43	All removals associated with an electrical system, which are not designated to remain the
44	property of the Contracting Agency, shall become the property of the Contractor and shall
45	be removed from the project.
46	

1	The Contractor shall:
23	Remove all wires for discontinued circuits from the conduit system.
4 5	Remove elbow sections of abandoned conduit entering junction boxes.
6 7 8	Abandoned conduit encountered during excavation shall be removed to the nearest outlets or as directed by the Engineer.
9 10	Remove foundations entirely, unless the Plans state otherwise.
11 12 13	Backfill voids created by removal of foundations and junction boxes. Backfilling and compaction shall be performed in accordance with Section 2-09.3(1)E.
14 15 16 17	8-20.3(5).GR8 <i>Conduit</i>
18	8-20.3(5)A1.ESP.DT1
19	Fiber Optic Conduit
20	
21	8-20.3(5)A1.INST1.ESP.DT1
22	Section 8-20.3(5)A1 is supplemented with the following:
23	
24	8-20.3(5)A1.OPT1.ESP.DT1
25	(NWR June 24, 2013)
26	When multiple conduits are installed in the same trench one location wire shall be
27	nlaced between conduits. When multiple conduits are installed in the same boring
27	one locate wire is required for the conduit hundle
20	one locate whe is required for the conduit bundle.
29	Location wire routed into null hoves or cable vaults shall be attached to the "C"
21	abannal or the cover hinge breeket with stainless steel holts and strong. A 1 feet loop
22	of leasts wire shall be provided above the abannel as shown in the Plans
52 22	of locate whe shall be provided above the challier as shown in the Flans.
22 24	9 20 2(5) A 2 ESB DT1
34 25	8-20.5(5)A2.ESP.D11 ITS and Cabinet Orden and Inn on Dreet Cambrid
35	118 and Cabinet Outer and Inner Duct Conduit
36	Section 8-20.3(5)A2 is supplemented with the following:
37	
38	8-20.3(5)A2.INST1.ESP.DT1
39	Section 8-20.3(5)A2 is supplemented with the following:
40	
41	8-20.3(5)A2.OPT1.ESP.DT1
42	(NWR June 24, 2013)
43	Conduit Seal
44	Exisitng conduits, entering cabinets, that are scheduled to have cables added or
45	removed shall be sealed with an approved mechanical plug or waterproof foam at
46	both ends of the conduit run.

1 2 3 4	Existing Outer duct and inner duct conduit, entering cabinets, that are scheduled to have cables added or removed shall be sealed according to this section.	
5	8-20 3(6) GR8	
6	Junction Boxes Cable Vaults and Pull hores	
7	Junction Doxes, Cubic Fuuns, und I un boxes	
8	8-20 3(6) INST1 ESP DT1	
9	Section 8-20.3(6) is supplemented with the following:	
10	Section 6 20.5(0) is suppremented with the following.	
11	8-20 3(6) OPT1 FSP DT1	
12	$(NWP E_{e}bruary 11, 2013)$	
12	(NWR February 11, 2015) Unloss otherwise noted in the Plans or approved by the Engineer junction beyos, eable	
13	volta and pull bayes shall not be placed within the traveled way or payed should be	
14	vauns and puil boxes shan not be placed within the traveled way of paved shoulders.	
13	All imposion haves, each a yoults, and null haves placed within the traveled way or neved	
10	All junction boxes, cable values, and puil boxes placed within the traveled way of paved	
1/	shoulders shall be heavy-duty.	
18		
19	wining shall not be pulled into any conduit until all associated junction boxes have been	
20	to maintain system exercises. If using is installed for this reason, sufficient cleak shall be	
21	to maintain system operation. If wire is installed for this reason, sufficient slack shall be	
22	left to allow for future adjustment.	
23		
24	Prior to installing new cables or reinstalling existing cables into new or existing cable	
25	vaults, pull boxes or junction boxes, the cable vault, pull box or junction box shall be	
26	cleaned of all dirt and debris.	
27		
28	When junction boxes, cable vaults and pull boxes are installed or adjusted prior to	
29	construction of finished grade, pre-molded joint filler for expansion joints may be placed	
30	around the junction boxes, cable vaults and pull boxes. The joint filler shall be removed	
31	prior to adjustment to finished grade.	
32		
33	The six-inch gravel pad required in Standard Plan J-40.10.01 and J-40.30.00 shall be	
34	maintained. When existing junction boxes do not have this gravel pad, it shall be installed	
35	as part of the adjustment to finished grade.	
36		
37	Heavy-duty Type 4, 5 and 6 junction boxes, cable vaults and pull boxes shall be installed	
38	in accordance with the following:	
39		
40	1. Excavation for junction boxes, cable vaults and pull boxes shall be sufficient to	
41	leave one foot in the clear between their outer surface and the earth bank.	
42		
43	2. Junction boxes, cable vaults and pull boxes shall be installed on a level 6-inch	
44	layer of crushed surfacing top course, in accordance with 9-03.9(3), placed on	
45	a compacted or undisturbed foundation. The crushed surfacing shall be	
46	compacted in accordance with Section $2-09.3(1)E$.	

1		
2 3	3.	After installation, the lid/cover shall be kept bolted down during periods when work is not actively in progress at the junction box, cable vault or pull box.
4 5 6	4.	Before closing the lid/cover, the lid/cover and the frame/ring shall be thoroughly brushed and cleaned of all debris. There shall be absolutely no visible dirt, sand
7 8		or other foreign matter between the bearing surfaces.
9 10 11	5.	When the lid/cover is closed for the final time, a liberal coating of anti-seize compound shall be applied to the bolts and nuts and the lid shall be securely tightened.
12 13 14 15	6.	Hinges on the Type 4, 5 and 6 junction boxes shall be located on the side of the box, which is nearest to adjacent shoulder. Hinges shall allow the lid to open 180 degrees
16	8-20 3(8) GR8	100 degrees.
17	Wiring	
18		
19	8-20 3(8) INST1	GR8
20	Section 8-20.	3(8) is supplemented with the following:
21		
22	8-20 3(8) OPT1 ESP DT1	
23	(NWR A	April 14, 2003)
24	Wire La	bels
25	At each	junction box, all illumination wires, power supply wires, and communication
26	cable sh	all be labeled with a PVC marking sleeve. For illumination and power supply
27	circuits	the sleeve shall bear the circuit number. For communication cable the sleeve
28 29	shall be	marked "Comm.".
30	8-20 3(8) OPT2 F	
31	(NWR N	March 13, 1995)
32	Wire Sn	lices
33	All splic	es shall be made in the presence of the Engineer
34	i in spire	es shart de made in the presence of the Engineer.
35	8-20 3(8) OPT3 F	SPDT1
36	(NWR N	May 1, 2006)
37	Illumina	ation Circuit Splices
38	Tempora	ary splices shall be the heat shrink type
39	F	
40	8-20.2(9-29.12).E	SP.DT1
41	Electrical Sp	lice Materials
42	~r	
43	8-20.2(9-29.12).	NST1.ESP.DT1
44	Section 9-29.	12 is supplemented with the following:
45		

1	8-20.2(9-29.12(2)).ESP.DT1
2	Traffic Signal Splice Material
3	
4	8-20.2(9-29.12(2)).INST1.ESP.DT1
5	Section 9-29.12(2) is supplemented with the following:
6	
7	8-20 2(9-29 12(2)) OPT1 ESP DT1
8	(NWR March 1 2011)
9	Induction loop splices shall be either the heat shrink type or the re-enterable type
10	with end can seals
11	with one oup souls.
12	8-20 3(9) GR8
13	Bonding Grounding
14	Domaing, Grounning
15	8-20 3(9) INST1 FSP DT1
16	Section 8-20 $3(9)$ is supplemented with the following:
17	Section 6 20.5(7) is suppremented with the following.
18	8-20 3(9) OPT1 FSP DT1
19	(NWR August 21, 2006)
20	Where shown in the Plans or where designated by the Engineer the metal frame and lid
20	of existing junction boxes shall be grounded to the existing equipment grounding system
21	The existing equipment grounding system shall be derived from the service serving the
22	raceway system of which the existing junction box is a part
23 74	raceway system of which the existing junction box is a part.
25	8-20 3(11) GR8
26	Testing
27	2000018
28	8-20.3(11).INST1.ESP.DT1
29	Section 8-20.3(11) is supplemented with the following:
30	
31	8-20.3(11).OPT1.ESP.DT1
32	(NWR August 5, 1996)
33	Communication Cable Acceptance Testing
34	Communications cable acceptance testing shall be performed for each pair of conductors.
35	Acceptance testing shall commence only after all communication cable is installed, and
36	all splices have been completed, with the exception of the splices connecting the new
37	cable to existing cable. If any test fails, repairs shall be made by the Contractor and the
38	entire test series shall be repeated.
39	
40	Three tests shall be performed on each cable installation. All tests shall be conducted in
41	the presence of the Engineer. The Contractor shall provide the necessary test equipment.
42	perform the tests, and document the results. When the tests are completed, whether
43	successful or not, the test result documentation shall be provided to the Engineer. All
44	tests shall be conducted on all pairs in the communication cable to each cable drop point.
45	Seven calendar days notice shall be given by the Contractor prior to performing any of
46	the tests.

1	For each arterial all testing shall be conducted from the same cable drop point.
2	
3	Continuity Test:
4	The continuity test shall be made on each conductor as well as the cable shield. Each
5	conductor and/or shield shall show a resistance of not more than 20 ohms per
6	1,000 feet of conductor. The resistance of each conductor shall be recorded.
7	
8	Insulation Test:
9	The insulation test shall be measured on each insulated conductor with all other
10	conductors in the cable (including cable shield) grounded. The measurement shall
11	be made with a DC potential of not less than 60% and not more than 90% of the
12	insulation rating for 1 minute. Insulation resistance shall exceed 5,000 megohm-
13	miles. The insulation resistance of each conductor shall be recorded.
14	
15	Frequency Response and Noise Test:
16	The frequency response and noise tests shall be performed on each pair of
17	conductors. All tests shall be made using transmission test instruments designed
18	especially for use on data circuits. Two such instruments are required; one for use
19	at the designated testing location and the other for use at each cable drop location.
20	
21	The test sets shall be subject to approval by the Engineer prior to the start of the
22	tests.
23	
24	The first test shall measure frequency response from the test location to each cable
25	drop. A tone of 0 dBm shall be applied to the transmitting end and the signal level
26	shall be measured at the receiving end. The cable pair being tested shall be isolated
27	from ground and terminated in 600 ohms at both test locations. A 10,000 ohm
28	resistor shall terminate the same pair at all other cable drop locations. The test shall
29	be performed at frequencies of 300, 500, 700, 1,004, 1,500, 2,300 and 3,000 Hz. The
30	received tone shall be:
31	
32	Greater than minus 16 dBm at 1,004 Hz.
33	
34	2 dB gain to 8 dB loss with respect to the level at 1,004 Hz over the frequency
35	range of 500 to 2,500 Hz.
36	
37	2 dB gain to 12 dB loss with respect to the level at 1,004 Hz over the frequency
38	ranges of 300 to 500 Hz and 2,500 to 3,000 Hz.
39	
40	The second test shall measure circuit or background noise. The cable pair being
41	tested shall be terminated the same as in the previous test. A C-message filter in the
42	test set shall restrict the spectrum to the range normally used for voice-grade data
43	circuits. The noise level shall be at least 13 dB below the lowest signal level
44	measured in the first test.
45	

1	All test data shall be recorded in an approved format. Cables which fail the tests shall be
2	repaired or replaced as directed by the Engineer.
3	
4	8-20.3(14)C.OPT3.ESP.DT1
5	(NWR October 5, 2009)
6	Existing Traffic Loops
7	The Contractor shall notify the Area Traffic Engineer through the Engineer a
8	minimum of five working days in advance of pavement removal or grinding in areas
9	with existing loops.
10	
11	If the Engineer suspects that damage to any loop not identified in the Plans as being
12	replaced may have resulted from Contractor's operations or is not operating
13	adequately the Engineer may order the Contractor to perform the field tests specified
17	in Section 8 20 $3(14)$ D. The test results shall be recorded and submitted to the
14	Engineer. Loops that fail any of these tests shall be replaced
15	Eligneer. Loops that fail any of these tests shall be replaced.
10	I come that fail the tests of described shares and are realized shall be installed in
1/ 10	Loops that fail the tests, as described above, and are replaced shall be installed in
18	accordance with current wSDOT design standards and Standard Plans, as
19	determined by the Engineer.
20	
21	If traffic signal loops that fail the tests, as described above, are not replaced and
22	operational within 48 hours, the Contractor shall install and maintain interim video
23	detection until the replacement loops are operational. The type of interim video
24	detection furnished shall be approved by the Engineer prior to installation.
25	
26	8-20.4.GR8
27	Measurement
28	
29	8-20.4.INST1.ESP.DT1
30	The first paragraph of Section 8-20.4 is supplemented with the following:
31	
32	(*****)
33	Illumination System Modifications
34	
35	(*****)
36	ITS System Modifications
37	
38	8-20 5 GR8
30	Poymant
37 40	Tayment
40 //1	9 20 5 INIST1 DT1
41 40	0-20.3. INSTILUTI The first two percenter of Section 9, 20,5 is supplemented with the following:
42 42	The first two paragraphs of Section 8-20.3 is supplemented with the following.
43 44	(*****
44	$\begin{pmatrix} \uparrow \uparrow$
45	"Illumination System Modifications", lump sum.
46	

(******) "ITS System Modifications", lump sum.

8-21 PERMANENT SIGNING

8-21.5 Payment

(July 6, 2009 R&E GSP)

Section 8-21.5 is supplemented with the following:

The lump sum Contract price for "Permanent Signing" be full payment for furnishing and installing all signs, including supports and mounting hardware, as shown in the Plans and herein specified. All additional materials and labor, not shown in the Plans or called for herein and which are required to complete the Permanent Signing, shall be included in the lump sum Contract price.

17 8-22 PAVEMENT MARKING

1819 8-22.1 Description

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

Section 8-22.1 is supplemented with the following:

Also included in this item is the complete removal of existing and temporary pavement markings that will conflict with the new channelization.

8-22.2 Materials

(March 18, 2010 R&E GSP)

Section 8-22.2 is supplemented with the following:

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

Thermoplastic, which exhibits cracks or "alligatoring" shall be removed and replaced at the Contractor's expense.

38 8-22.3 Construction Requirements

39 (February 11, 2008 R&E GSP)

41 Section 8-22.3 is supplemented with the following:

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

8-22.3(1) Preliminary Spotting

48 (February 11, 2008 R&E GSP)

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

- 1 The Contractor shall notify the Engineer three (3) working days in advance of scheduled 2 preliminary spotting.
- 3 The following new Section is created: 4

8-30 POTHOLE EXISTING UNDERGROUND UTILITY

8-30.1 Description

8 9 When directed by the Engineer or shown on the Plans, this work shall consist of potholing 10 existing underground utilities. The Contractor shall perform utility investigations or coordinate with utility companies as required. At the direction of the Engineer, the Contractor 11 12 shall perform exploratory excavations or provide hand potholing as required to collect as-built 13 utility information. The Contractor shall verify the depth and location of existing underground 14 utilities. The Contractor shall immediately notify the Engineer if field conditions differ from that shown on the Plans. The Contractor shall give the owner advance notice of four (4) 15 16 working days, prior to conducting such investigations. 17

18 8-30.4 Measurement19

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

22 8-30.5 Payment

- 23 Payment will be made in accordance with Section 1-04.1, for the following bid items:
- 24

29

20

21

5

6 7

- 25 "Pothole Existing Underground Utility", per each.
- The unit contract price per each for "Pothole Existing Underground Utility" shall be full compensation for all equipment, labor, and materials to locate the existing utility, verify the utilities' vertical and horizontal location, and restoring the disturbed area.
- 30 The following new Section is created:

8-31 REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES 32

33 8-31.1 Description34

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

39

40 **8-31.3 Construction Requirements**

41 42

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

- 45
- 46 The Contractor and the Contracting Agencies' representative or Engineer shall reconcile the

hours of work for labor and equipment on a daily basis for the purpose of tracking all work
under this item. The Contractor shall supply the Engineer with material invoices for all
materials incorporated into this work in a timely manner. Invoices shall be original or copies
of original invoices from the material supplier.

8-31.4 Measurement

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

8-31.5 Payment

Payment for the item "Repair Existing Public and Private Facilities" shall be full compensation
 for all labor, tools, equipment, materials and subcontractor work needed to complete individual
 items of work as directed by the engineer. This item shall be paid in accordance with Section

- 16 1-09.6 Force Account.

1 DIVISION 9

2 MATERIALS 3

4 9-03 AGGREGATES

6 9-03.10 Aggregate for Gravel Base

7 (December 28, 2009 R&E GSP)

9 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.

15

5

8

10

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.

- /		
20	Sieve Size	Percent Passing
21	4" square	100
22	1-1/2" square	70-100
23	1/2" square	35-80
24	U.S. No. 4	15-50
25	U.S. No. 40	20 max
26	U.S. No. 200	5.0 max
27		

- Sand Equivalent shall be 40 min.
- 30 All percentages are by weight.
- 31 Gravel base material retained on a No. 4 sieve shall contain not more than 0.20 percent by 32 weight of wood waste.

34 9-14 EROSION CONTROL AND ROADSIDE PLANTING

35

33

28

29

36 9-14.2 Seed

37 Section 9-14.2 is supplemented with the following:

- 38
- Grass seed for Seeding, Fertilizing, and Mulching 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
- 43 grass seed mixture shall be applied to the rate of five pounds per 1,000 square feet.
- 44

45 **9-14.3 Fertilizer**

46 Section 9-14.3 is supplemented with the following:

1	The Contractor shall supply a commercially available starter fertilizer designed by the
2	manufacturer for use in new lawn installation applications. The fertilizer formula and
3	application rate shall provide the following types and amounts of nutrients at a minimum:
4	

- Total Nitrogen as N One pound per thousand square feet Available Phosphoric Acid as P_2O_5 One pound per thousand square feet 5 6
- 7 Soluble Potash as K_20 - One pound per thousand square feet.
- 8 50-60 percent of the total nitrogen shall be derived from ureaform or ureformaldehyde. The
- 9 remainder may be derived from any source.

(August 7, 2017) Standard Plans

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 16-048, effective August 7, 2017 is made a part of this contract.

The Standard Plans are revised as follows:

<u>A-30.15</u> DELETED

<u>A-40.10</u>

Section View, PCCP to HMA Longitudinal Joint, callout, was – "Sawed Groove ~ Width 3/16" (IN) MIN. to 5/16" (IN) MAX. ~ Depth 1" (IN) MIN. ~ see Std. Spec. 5-04.3(12)B" is revised to read; "Sawed Groove ~ Width 3/16" (IN) MIN. to 5/16" (IN) MAX. ~ Depth 1" (IN) MIN. ~ see Std. Spec. Section 5-04.3(12)A2"

<u>A-50.10</u>

Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

<u>A-50.20</u>

Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

<u>A-50.30</u>

Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

<u>A-60.30</u>

Note 4, was – "If the ACP and membrane is to be removed from the bridge deck, see GSP 023106 for deck preparation before placing new membrane." Is revised to read; "If the ACP and membrane is to be removed from the bridge deck, see GSP 6-02.3(10)D.OPT6.GB6 for deck preparation before placing new membrane."

<u>B-10.20</u>

Substitute "step" in lieu of "handhold" on plan

<u>B-25.20</u>

Note 4, was – "Bolt-Down capability is required on all frames, grates and covers, unless specified in the Contract. Provide two holes in the Frame that are vertically aligned with the grate slots. The frame shall accept the 5/8" x 11 NC x 2" allen head cap screw by being tapped, or other approved mechanism. The location of bolt-down holes varies among manufacturers. See BOLT-DOWN DETAIL, **Standard Plan B-30.10.** Is revised to read; "Bolt-Down capability is required on all frames, grates and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC x 2" (in) Allen head cap screw by being tapped, or other approved mechanism. The location of bolt-down holes varies by manufacturer." See BOLT-DOWN DETAIL, **Standard Plan B-30.10.**

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

<u>B-30.70</u>

Note 2, was – "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" -1 NC x 2" Allen head cap screw by being tapped, or other approved mechanism. Location of bolt down holes varies by manufacturer." Is revised to read; "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 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC x 2" (in) Allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer."

RING PLAN, callout, was – "DRILL AND TAP 5/8" – 11NC HOLE FOR 1 1/2" X 5/8" STAINLESS STEEL SOCKET HEAD CAP SCREW (TYP.)" is revised to read; "SEE NOTE 2"

<u>B-90.40</u> Valve Detail - DELETED

<u>C-16b</u> DELETED

<u>C-22.14</u>

Note 3, formula, was: "Elevation G = (Elevation S – D x (0.1) + 28" is revised to read: "Elevation G = (Elevation S – D x (0.1) + 28/12"

<u>C-22.16</u>

Note 3, formula, was: "Elevation G = (Elevation S – D x (0.1) + 31" is revised to read: "Elevation G = (Elevation S – D x (0.1) + 31/12"

<u>C-22.41</u> DELETED

<u>C-25.18</u> DELETED

D-10.10

Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.

<u>D-10.15</u>

Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.20

Wall Type 3 may be used in all cases. The last sentence of Note 6 on Wall Type 3 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

<u>D-10.25</u>

Wall Type 4 may be used in all cases. The last sentence of Note 6 on Wall Type 4 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

<u>D-10.30</u>

Wall Type 5 may be used in all cases.

<u>D-10.35</u>

Wall Type 6 may be used in all cases.

<u>D-10.40</u>

Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

<u>D-10.45</u>

Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the 11/3/15 Bridge Design memorandum.

D-15.10

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.20

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

<u>D-15.30</u>

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

<u>F-10.12</u>

Section Title, was – "Depressed Curb Section" is revised to read: "Depressed Curb and Gutter Section"

<u>F-10.40</u>

"EXTRUDED CURB AT CUT SLOPE", Section detail - Deleted

<u>F-10.42</u>

DELETE - "Extruded Curb at Cut Slope" View

<u>G-22.10</u>

Sheet 2, Elevation, Three-Post Installation, Dimension, upper right, was – ".035" is revised to read: "0.35X"

<u>G-24.60</u>

Sheet 1, View A, Dimension @ Bottom of sign, is = 3" is revised to read: 6".

<u>G-60.10</u>

Sheet 3, TYPICAL TRUSS DETAILS, BASE ~ TOP, callout, was – "15/16"(IN) DIAM. HOLES FOR FOUR, 7/8" (IN) DIAM. BOLTS (ASTM A 325)" is revised to read: "15/16"(IN) DIAM. HOLES FOR FOUR, 7/8" (IN) DIAM. BOLTS (ASTM F3125, GRADE A325)"

<u>G-90.10</u>

TOP VIEW, callout, was – "Vertical Brace ~ W4 x 13 steel (TYP.)(See Note 4)" is revised to read; "Vertical Brace ~ W4 x 13 steel (TYP.)(See Note 3)"

<u>G-95.10</u>

Sheet 2, Detail "B", Plan View, callout, was – "5/8" DIAM. ASTM A 325 H.S. BOLT W/HEAVY HEX NUT AND WASHER, GALV. (TYP.) TIGHTEN PER STD. SPEC. 6-03.3(33)" is revised to read: "5/8" DIAM. ASTM F 3125, GRADE A325 H.S. BOLT W/HEAVY HEX NUT AND WASHER, GALV. (TYP.) TIGHTEN PER STD. SPEC. 6-03.3(33)"

<u>H-70.20</u>

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

<u>I-30.30</u>

<u>8" Diameter Wattle Spacing Table, lower left corner, was –"Slope:1H : 1V, Maximum Spacing:10' – 0"" is revised to read: "Slope:1H : 1V, Maximum Spacing:8' – 0"".</u>

<u>J-3</u> DELETED

<u>J-3b</u> DELETED

<u>J-3C</u> DELETED

J-10.21

Note 18, was – "When service cabinet is installed within right of way fence, see Standard Plan J-10.22 for details." Is revised to read; "When service cabinet is installed within right of way fence, or the meter base is mounted on the exterior of the cabinet, see Standard Plan J-10.22 for details."

<u>J-10.22</u>

Key Note 1, was – "Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305." Is revised to read; "Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel."

Key Note 4, "Test with (SPDT Snap Action, Positive close 15 Amp – 120/277 volt "T" rated). Is revised to read: "Test Switch (SPDT snap action, positive close 15 amp – 120/277 volt "T" rated)."

Key Note 14, was – "Hinged dead front with $\frac{1}{4}$ turn fasteners or slide latch." Is revised to read; "Hinged dead front with $\frac{1}{4}$ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s)."

Key Note 15, was – "Cabinet Main Bonding Jumper. Buss shall be 4 lug tinned copper. See Cabinet Main bonding Jumper detail, Standard Plan J-3b." is revised to read; "Cabinet Main Bonding Jumper Assembly ~ Buss shall be 4 lug tinned copper ~ See Standard Plan J-10.20 for Cabinet Main Bonding Jumper Assembly details."

<u>J-20.10</u>

Add Note 5, "5. One accessible pedestrian signal assembly per pedestrian pushbutton post."

J-20.11

Sheet 2, Foundation Detail, Elevation, callout – "Type 1 Signal Pole" is revised to read: "Type PS or Type 1 Signal Pole"

Sheet 2, Foundation Detail, Elevation, add note below Title, "(Type 1 Signal Pole Shown)" Add Note 6, "6. One accessible pedestrian signal assembly per pedestrian pushbutton post."

J-20.26

Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."

<u>J-20.16</u>

View A, callout, was - LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10

Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – "ANCHOR BOLTS $\sim \frac{3}{4}$ " (IN) x 30" (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY" IS REVISED TO READ: "ANCHOR BOLTS ~ 3/4" (IN) x 30" (IN) FULL THREAD ~ FOUR REQ'D. PER ASSEMBLY" Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR.. Delete "(TYP.)" from the 2 1/2" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar. Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 1/2" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar. Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 1/2" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar. Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 1/2" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar. Detail F, callout, "Heavy Hex Clamping Bolt (TYP.) ~ 3/4" (IN) Diam. Torque Clamping Bolts (see Note 3)" is revised to read; "Heavy Hex Clamping Bolt (TYP.) $\sim 3/4$ " (IN) Diam. Torque Clamping Bolts (see Note 1)"

Detail F, callout, "3/4" (IN) x 2' – 6" Anchor Bolt (TYP.) ~ Four Required (See Note 4)" is revised to read; "3/4" (IN) x 2' – 6" Anchor Bolt (TYP.) ~ Three Required (See Note 2)"

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 $\frac{1}{2}$ " DIAM., is revised to read; CHASE NIPPLE ~ 1 $\frac{1}{2}$ " (IN) DIAM.

<u>J-21.16</u>

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0" (2x) Detail A, callout, was – LOCK NIPPLE ~ 1 $\frac{1}{2}$ " DIAM. is revised to read; CHASE NIPPLE ~ 1 $\frac{1}{2}$ " (IN) DIAM.

J-26.20

Sheet 1, NOTES, Note 5, was - "Connecting/clamping bolts AASHTO M 164 (ASTM A325)" is revised to read: "Connecting/clamping bolts ASTM F3125 GRADE A325"

Was - "NUTS AASHTO M 291 (ASTM A263) GRADE DH" is revised to read: "NUTS ASTM A563 GRADE DH"

J-28.43

KEY notes, note 1, was – "CLAMPING BOLTS, 7/8" (IN) DIAM. HEX HEAD BOLT AND NUT, TWO PLATE WASHERS, ONE HARDENED ROUND WASHER, 87 FT-LBS TORQUE (THREE CLAMPING BOLT ASSEMBLIES PER SLIP BASE) (PER ASTM A325)" is revised to read: "CLAMPING BOLTS, 7/8" (IN) DIAM. HEX HEAD BOLT AND NUT, TWO PLATE WASHERS, ONE HARDENED ROUND WASHER, 87 FT-LBS TORQUE (THREE CLAMPING BOLT ASSEMBLIES PER SLIP BASE) (PER ASTM F3125 GRADE A325)"

J-40.10

Sheet 2 of 2, Detail F, callout, " $12 - 13 \times 1 \frac{1}{2}$ " S.S. PENTA HEAD BOLT AND 12" S. S. FLAT WASHER" is revised to read; " $12 - 13 \times 1 \frac{1}{2}$ " S.S. PENTA HEAD BOLT AND 1/2" (IN) S. S. FLAT WASHER"

J-60.14

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

<u>K-80.30</u>

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

<u>M-11.10</u>

Layout, dimension (from stop bar to "X"), was - 23' is revised to read; 24'

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-008/7/07	A-40.00-008/11/09	A-50.30-0011/17/08
A-10.20-0010/5/07	A-40.10-0312/23/14	A-50.40-0011/17/08
A-10.30-0010/5/07	A-40.15-008/11/09	A-60.10-0312/23/14
A-20.10-008/31/07	A-40.20-041/18/17	A-60.20-0312/23/14
A-30.10-0011/8/07	A-40.50-0212/23/14	A-60.30-0011/8/07
A-30.30-016/16/11	A-50.10-0011/17/08	A-60.40-008/31/07
A-30.35-0010/12/07	A-50.20-019/22/09	
B-5.20-021/26/17	B-30.50-021/26/17	B-75.20-016/10/08
B-5.40-021/26/17	B-30.70-034/26/12	B-75.50-016/10/08
B-5.60-021/26/17	B-30.80-006/8/06	B-75.60-006/8/06
B-10.20-012/7/12	B-30.90-021/26/17	B-80.20-006/8/06

B-10.40-011/26/17	B-35.20-006/8/06	B-80.40-006/1/06
B-10.60-006/8/06	B-35.40-006/8/06	B-82.20-006/1/06
B-10.70-001/26/17	B-40.20-006/1/06	B-85.10-016/10/08
B-15.20-012/7/12	B-40.40-021/26/17	B-85.20-006/1/06
B-15.40-012/7/12	B-45.20-017/11/17	B-85.30-006/1/06
B-15.60-021/26/17	B-45.40-017/21/17	B-85.40-006/8/06
B-20.20-023/16/12	B-50.20-006/1/06	B-85.50-016/10/08
B-20.40-033/16/12	B-55.20-011/26/17	B-90.10-006/8/06
B-20.60-033/15/12	B-60.20-006/8/06	B-90.20-006/8/06
B-25.20-013/15/12	B-60.40-00	B-90.30-00
B-25.60-011/26/17	B-65.20-014/26/12	B-90.40-011/26/17
B-30.10-021/26/17	B-65.40-006/1/06	B-90.50-006/8/06
B-30.20-031/26/17	B-70.20-006/1/06	B-95.20-012/3/09
B-30.30-021/26/17	B-70.60-011/26/17	B-95.40-006/8/06
B-30.40-021/26/17		
C-17/12/16	C-67/15/16	C-23.60-047/21/17
C-1a7/14/15	C-6a10/14/09	C.24.10-016/11/14
C-1b7/14/15	C-6c7/15/16	C-25.20-067/14/15
C-1c7/12/16	C-6d7/15/16	C-25.22-057/14/15
C-1d10/31/03	C-6f7/15/16	C-25.26-037/14/15
C-21/6/00	C-76/16/11	C-25.80-047/15/16
C-2a6/21/06	C-7a6/16/11	C-40.14-027/2/12
C-2b6/21/06	C-82/10/09	C-40.16-027/2/12
C-2c6/21/06	C-8a7/25/97	C-40.18-037/21/17
C-2d6/21/06	C-8b2/29/16	C-70.10-016/17/14
C-2e6/21/06	C-8e2/21/07	C-75.10-016/11/14
C-2f3/14/97	C-8f6/30/04	C-75.20-016/11/14
C-2g7/27/01	C-107/15/16	C-75.30-016/11/14
C-2h3/28/97	C-16a7/21/17	C-80.10-016/11/14
C-2i3/28/97	C-20.10-047/21/17	C-80.20-016/11/14
C-2j6/12/98	C-20.11-007/21/17	C-80.30-016/11/14
C-2k7/12/16	C-20.14-036/11/14	C-80.40-016/11/14
C-2n7/12/16	C-20.15-026/11/14	C-80.50-004/8/12
C-207/13/01	C-20.18-026/11/14	C-85.10-004/8/12
C-2p10/31/03	C-20.19-026/11/14	C-85.11-004/8/12
C-37/2/12	C-20.40-067/21/17	C-85.14-016/11/14
C-3a10/4/05	C-20.41-017/14/15	C-85.15-016/30/14
C-3b6/27/11	C-20.42-057/14/15	C-85.16-016/17/14
C-3c6/27/11	C-20.45.017/2/12	C-85-18-016/11/14
C-4b7/15/16	C-22.14-047/15/16	C-85.20-016/11/14
C-4e7/15/16	C-22.16-067/21/17	C-90.10-007/3/08
C-4f7/2/12	C-22.40-067/21/17	
	C-22.45-037/21/17	
D-2.04-0011/10/05	D-2.48-0011/10/05	D-3.17-025/9/16
D-2.06-011/6/09	D-2.64-011/6/09	D-412/11/98
D-2.08-0011/10/05	D-2.66-0011/10/05	D-66/19/98
D-2.14-0011/10/05	D-2.68-0011/10/05	D-10.10-0112/2/08
D-2.16-0011/10/05	D-2.80-0011/10/05	D-10.15-0112/2/08
D-2.18-0011/10/05	D-2.82-0011/10/05	D-10.20-007/8/08

D-2.20-0011/10/05	D-2.84-0011/10/05	D-10.25-007/8/08
D-2.32-0011/10/05	D-2.86-0011/10/05	D-10.30-007/8/08
D-2.34-011/6/09	D-2.88-0011/10/05	D-10.35-007/8/08
D-2.36-036/11/14	D-2.92-0011/10/05	D-10.40-0112/2/08
D-2.42-0011/10/05	D-3.09-005/17/12	D-10.45-0112/2/08
D-2.44-0011/10/05	D-3.10-015/29/13	D-15.10-0112/2/08
D-2.60-0011/10/05	D-3.11-036/11/14	D-15.20-035/9/16
D-2 62-00 11/10/05	D-3 15-02 = 6/10/13	D-15 30-01 12/02/08
D-2.46-016/11/14	D-3.16-025/29/13	
F_1 2/21/07	E_1 8/27/03	
E 2 5/20/08	$E_{-1} = \frac{8}{27}$	
L-2	L- a	
F-10.12-036/11/14	F-10.62-024/22/14	F-40.15-036/29/16
F-10.16-0012/20/06	F-10.64-034/22/14	F-40.16-036/29/16
F-10.18-017/11/17	F-30.10-036/11/14	F-45.10-027/15/16
F-10.40-036/29/16	F-40.12-036/29/16	F-80.10-047/15/16
F-10.42-001/23/07	F-40.14-036/29/16	
G-10 10-00 9/20/07	G-25 10-04 6/10/13	G-90 10-03 7/11/17
G-20 10-02 6/23/15	G-30 10-04 6/23/15	$G-90\ 11-00\ 4/28/16$
G-22 10-03 7/10/15	G-50 10-02 6/23/15	G-90 20-05 7/11/17
G-24 10-00 11/8/07	G-60 10-03 6/18/15	G-90 30-04 7/11/17
G-24 20-01 2/7/12	G-60 20-02 6/18/15	G-90 40-02 4/28/16
$G_{24,20} = 01 - 2/7/12$	G-60 30-02 6/18/15	$G_{-95,10-01} = 6/2/11$
G-24 40-06 2/29/16	G-70 10-03 6/18/15	$G_{-95,10-01,,0/2/11}$
$G_{-24} = 50 - 04 - 7/11/17$	$G_{-70,20-04}$ 7/21/17	$G_{-95,20-02,,0/2/11}$
$G_{-24,50-04,\ldots,7,11,17}$	$G_{-70,20-04,,7/21/17}$	G-75.50-020/2/11
0-24.00-040/23/13	0-70.30-047/21/17	
H-10.10-007/3/08	H-32.10-009/20/07	H-70.10-012/7/12
H-10.15-007/3/08	H-60.10-017/3/08	H-70.20-012/16/12
H-30.10-0010/12/07	H-60.20-017/3/08	H-70.30-022/7/12
I-10 10-01 8/11/09	I-30 20-00 9/20/07	I-40 20-00 9/20/07
I-30 10-02 3/22/13	$I-30\ 30-01\ 6/10/13$	$I-50\ 20-01\ 6/10/13$
I-30 15-02 3/22/13	I = 30, 40-01, 6/10/13	I = 60, 10, 01, 6/10/13
$I-30 \ 16-00 \ 3/22/13$	I = 30, 60-00, 5/29/13	I = 6020 - 01 = 6/10/13
I-30.17-003/22/13	I-40.10-009/20/07	I-80.10-027/15/16
L 10 7/10/07		I 40 20 01 5/20/12
J-10//18/9/	J-26.20-006/11/14	J-40.38-015/20/13
J-10.10-030/3/15	J-2/.10-01//21/16	J-40.39-005/20/13
J-10.15-016/11/14	J-2/.15-003/15/12	J-40.40-014/28/16
J-10.16-006/3/15	J-28.10-015/11/11	J-45.36-00/21/1/
J-10.17-006/3/15	J-28.22-008/07/07	J-50.05-00//21/1/
J-10.18-006/3/15	J-28.24-016/3/15	J-50.10-006/3/11
J-10.20-016/1/16	J-28.26-0112/02/08	J-50.11-017/21/17
J-10.21-006/3/15	J-28.30-036/11/14	J-50.12-017/21/17
J-10.22-005/29/13	J-28.40-026/11/14	J-50.15-017/21/17
J-10.25-00//11/1/	J-28.42-016/11/14	J-50.16-013/22/13
J-15.10-016/11/14	J-28.43-006/11/14	J-50.20-006/3/11
J-15.15-027/10/15	J-28.45-037/21/16	J-50.25-006/3/11

J-20.10-036/30/14	J-28.50-037/21/16	J-50.30-006/3/11
J-20.11-026/30/14	J-28.60-027/21/16	J-60.05-017/21/16
J-20.15-036/30/14	J-28.70-037/21/17	J-60.11-005/20/13
J-20.16-026/30/14	J-29.10-017/21/16	J-60.12-005/20/13
J-20.20-025/20/13	J-29.15-017/21/16	J-60.13-006/16/10
J-20.26-017/12/12	J-29.16-027/21/16	J-60.14-006/16/10
J-21.10-046/30/14	J-30.10-006/18/15	J-75.10-027/10/15
J-21.15-016/10/13	J-40.05-007/21/16	J-75.20-017/10/15
J-21.16-016/10/13	J-40.10-044/28/16	J-75.30-027/10/15
J-21.17-016/10/13	J-40.20-034/28/16	J-75.40-026/1/16
J-21.20-016/10/13	J-40.30-044/28/16	J-75.41-016/29/16
J-22.15-027/10/15	J-40.35-015/29/13	J-75.45-026/1/16
J-22.16-037/10/15	J-40.36-027/21/17	J-90.10-024/28/16
J-26.10-037/21/16	J-40.37-027/21/17	J-90.20-024/28/16
J-26.15-015/17/12		J-90.21-014/28/16
K-70.20-016/1/16		
K-80.10-016/1/16		
K-80.20-0012/20/06		
K-80.30-002/21/07		
K-80.35-002/21/07		
K-80.37-002/21/07		
L-10.10-026/21/12	L-40.10-026/21/12	L-70.10-015/21/08
L-20.10-037/14/15	L-40.15-016/16/11	L-70.20-015/21/08
L-30.10-026/11/14	L-40.20-026/21/12	
M-1.20-036/24/14	M-12.10-007/11/17	M-40.10-036/24/14
M-1.40-026/3/11	M-15.10-012/6/07	M-40.20-0010/12/07
M-1.60-026/3/11	M-17.10-027/3/08	M-40.30-017/11/17
M-1.80-036/3/11	M-20.10-026/3/11	M-40.40-009/20/07
M-2.20-037/10/15	M-20.20-024/20/15	M-40.50-009/20/07
M-2.21-007/10/15	M-20.30-042/29/16	M-40.60-009/20/07
M-3.10-036/3/11	M-20.40-036/24/14	M-60.10-016/3/11
M-3.20-026/3/11	M-20.50-026/3/11	M-60.20-026/27/11
M-3.30-036/3/11	M-24.20-024/20/15	M-65.10-025/11/11
M-3.40-036/3/11	M-24.40-024/20/15	M-80.10-016/3/11
M-3.50-026/3/11	M-24.50-006/16/11	M-80.20-006/10/08
M-5.10-026/3/11	M-24.60-046/24/14	M-80.30-006/10/08
M-7.50-011/30/07	M-24.65-007/11/17	
M-9.50-026/24/14	M-24.66-007/11/17	
M-9.60-002/10/09		

M-11.10-02.....7/11/17

CONTRACT FORMS (This Page Intentionally Left Blank)

CONTRACT FOR: PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT FERNDALE, WASHINGTON

This Contract, made and entered into this _____ day of _____, 2018 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 "PORTAL WAY / I-5 COMPACT ROUNDABOUT PROJECT, Ferndale, Washington".

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.

- 2. 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.
- 3. 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.
- 4. 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.

- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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, subcontractors and/or employees the Contractor, his agents, successors, assignees, and other expenses, 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.

- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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.

Executed by the Contractor this ______ day of ______, 2018.

CITY OF FERNDALE:

By:

City Administrator / Mayor

STATE OF WASHINGTON)) ss. COUNTY OF WHATCOM)

On this ______ day of ______, 2018, 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:_____

CONTRACTOR:

By:

Title:

STATE OF WASHINGTON)

) ss. COUNTY OF WHATCOM)

On this _____ day of _____, 2018, 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:_____
PERFORMANCE BOND to the City of Ferndale

KNOW ALL MEN BY THESE PRESENTS, That we

					1	the Co	ntractor nan	ned in the (Contract
hereinafter ret	ferred to	as Pl	RINCIPAL,	and					as
SURETY, are j	ointly and	severall	y held and	firmly b	oound	to the	City of Fe	rndale, hei	reinafter
referred to as OV	WNER nam	ed in sai	d Contract	PORTAI	LWA	Y / I-5	COMPACT	ROUNDA	ABOUT
PROJECT,	Ferndale,	V	Vashington,	fo	r	the	penal	sum	of,
				_DOLLA	ARS	(\$),

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 ______, 2018, 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 ______, 2018, 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:_____

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	4
(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, \$() be made, we bind ourselves,
THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal er	ntered into a certain contract
with the OWNER , dated the day of day of is hereto attached and made a part hereof for the construction of:	20, a copy of which
	· · · · · · · · · · · · · · · · · · ·

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 ins	trume	ent 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)
	_	(1101033)
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 FERNDALE RETAINAGE INVESTMENT OPTION

CONTRACTOR:	
PROJECT NAME:	
DATE:	
Pursuant to Chapter 60.28 RCW, you may choose how your retainage under this contract held and invested. Please complete and sign this form indicating your preference. If you	will be 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

- 1. <u>Current Expense</u>: 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. <u>Interest Bearing Account</u>: The City will deposit retainage checks in an interestbearing 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 FERNDALE:

- 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. <u>Bond-in-Lieu</u>: 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 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: _____

FORME	

APPENDICES (This Page Intentionally Left Blank) APPENDIX A – STATE PREVAILING WAGE RATES (This Page Intentionally Left Blank)

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: 4/4/2018

<u>County</u>	<u>Trade</u>	Job Classification	<u>Wage</u>	Holiday	Overtime	Note
Whatcom	Asbestos Abatement Workers	Journey Level	\$46.57	<u>5D</u>	<u>1H</u>	
Whatcom	<u>Boilermakers</u>	Journey Level	\$44.35		<u>1</u>	
Whatcom	Brick Mason	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Whatcom	Brick Mason	Pointer-Caulker-Cleaner	\$55.82	<u>5A</u>	<u>1M</u>	
Whatcom	Building Service Employees	Janitor	\$11.50		<u>1</u>	
Whatcom	Building Service Employees	Shampooer	\$11.50		<u>1</u>	
Whatcom	Building Service Employees	Waxer	\$11.50		<u>1</u>	
Whatcom	Building Service Employees	Window Cleaner	\$11.50		<u>1</u>	
Whatcom	<u>Cabinet Makers (In Shop)</u>	Journey Level	\$24.89		<u>1</u>	
Whatcom	<u>Carpenters</u>	Acoustical Worker	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Bridge, Dock And Wharf Carpenters	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Carpenter	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Carpenters on Stationary Tools	\$57.31	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Creosoted Material	\$57.28	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Floor Finisher	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Floor Layer	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Carpenters</u>	Scaffold Erector	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Cement Masons</u>	Journey Level	\$57.21	<u>7A</u>	<u>1M</u>	
Whatcom	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$110.54	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Dive Supervisor/Master	\$72.97	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Diver	\$110.54	<u>5D</u>	<u>4C</u>	<u>8V</u>
Whatcom	Divers & Tenders	Diver On Standby	\$67.97	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Diver Tender	\$61.65	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Manifold Operator	\$61.65	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Manifold Operator Mixed Gas	\$66.65	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$61.65	<u>5D</u>	<u>4C</u>	
Whatcom	Divers & Tenders	Remote Operated Vehicle Tender	\$57.43	<u>5A</u>	<u>4C</u>	
Whatcom	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	
Whatcom	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>	

Whatcom	Dredge Workers	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>	
Whatcom	Dredge Workers	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>	
Whatcom	Dredge Workers	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>	
Whatcom	Dredge Workers	Mates	\$56.44	<u>5D</u>	<u>3F</u>	
Whatcom	Dredge Workers	Oiler	\$56.00	<u>5D</u>	<u>3F</u>	
Whatcom	Drywall Applicator	Journey Level	\$56.78	<u>5D</u>	<u>1H</u>	
Whatcom	Drywall Tapers	Journey Level	\$29.63		<u>1</u>	
Whatcom	<u>Electrical Fixture Maintenance</u> <u>Workers</u>	Journey Level	\$13.82		<u>1</u>	
Whatcom	<u>Electricians - Inside</u>	Cable Splicer	\$68.09	<u>7H</u>	<u>1E</u>	
Whatcom	<u>Electricians - Inside</u>	Construction Stock Person	\$33.86	<u>7H</u>	<u>1D</u>	
Whatcom	<u>Electricians - Inside</u>	Journey Level	\$63.51	<u>7H</u>	<u>1E</u>	
Whatcom	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>	
Whatcom	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Cable Splicer	\$79.43	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Certified Line Welder	\$69.75	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Groundperson	\$46.28	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Heavy Line Equipment Operator	\$69.75	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Journey Level Lineperson	\$69.75	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Line Equipment Operator	\$59.01	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Meter Installer	\$46.28	<u>5A</u>	<u>4D</u>	<u>8W</u>
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Pole Sprayer	\$69.75	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electricians - Powerline</u> <u>Construction</u>	Powderperson	\$52.20	<u>5A</u>	<u>4D</u>	
Whatcom	<u>Electronic Technicians</u>	Journey Level	\$25.09		<u>1</u>	
Whatcom	Elevator Constructors	Mechanic	\$91.24	<u>7D</u>	<u>4A</u>	
Whatcom	Elevator Constructors	Mechanic In Charge	\$98.51	<u>7D</u>	<u>4A</u>	
Whatcom	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.67		<u>1</u>	
Whatcom	Fence Erectors	Fence Erector	\$22.97		<u>1</u>	
Whatcom	<u>Flaggers</u>	Journey Level	\$39.48	<u>7A</u>	<u>31</u>	
Whatcom	<u>Glaziers</u>	Journey Level	\$61.81	<u>7L</u>	<u>1Y</u>	
Whatcom	<u>Heat & Frost Insulators And</u> <u>Asbestos Workers</u>	Journeyman	\$67.93	<u>5J</u>	<u>4H</u>	
Whatcom	Heating Equipment Mechanics	Journey Level	\$19.85		<u>1</u>	
Whatcom	Hod Carriers & Mason Tenders	Journey Level	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	Industrial Power Vacuum Cleaner	Journey Level	\$11.50		<u>1</u>	
Whatcom	Inland Boatmen	Boat Operator	\$61.41	<u>5B</u>	<u>1K</u>	
Whatcom	Inland Boatmen	Cook	\$56.48	<u>5B</u>	<u>1K</u>	
Whatcom	<u>Inland Boatmen</u>	Deckhand	\$57.48	<u>5B</u>	<u>1K</u>	
Whatcom	Inland Boatmen	Deckhand Engineer	\$58.81	<u>5B</u>	<u>1K</u>	

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Whatcom	Inland Boatmen	Launch Operator	\$58.89	<u>5B</u>	<u>1K</u>	
Whatcom	Inland Boatmen	Mate	\$57.31	<u>5B</u>	<u>1K</u>	
Whatcom	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$11.50		<u>1</u>	
Whatcom	<u>Inspection/Cleaning/Sealing Of</u> <u>Sewer & Water Systems By</u> <u>Remote Control</u>	Grout Truck Operator	\$11.50		1	
Whatcom	<u>Inspection/Cleaning/Sealing Of</u> <u>Sewer & Water Systems By</u> <u>Remote Control</u>	Head Operator	\$12.78		<u>1</u>	
Whatcom	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$11.50		<u>1</u>	
Whatcom	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$11.50		<u>1</u>	
Whatcom	Insulation Applicators	Journey Level	\$57.18	<u>5D</u>	<u>4C</u>	
Whatcom	Ironworkers	Journeyman	\$67.88	<u>7N</u>	<u>10</u>	
Whatcom	<u>Laborers</u>	Air, Gas Or Electric Vibrating Screed	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Airtrac Drill Operator	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Ballast Regular Machine	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Batch Weighman	\$39.48	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Brick Pavers	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Brush Cutter	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Brush Hog Feeder	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Burner	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Caisson Worker	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Carpenter Tender	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Caulker	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Cement Dumper-paving	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Cement Finisher Tender	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Change House Or Dry Shack	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Chipping Gun (under 30 Lbs.)	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Chipping Gun(30 Lbs. And Over)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Choker Setter	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Chuck Tender	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Clary Power Spreader	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Clean-up Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Concrete Dumper/chute Operator	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Concrete Form Stripper	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Concrete Placement Crew	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Concrete Saw Operator/core Driller	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Crusher Feeder	\$39.48	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Curing Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$46.57	<u>7A</u>	<u>31</u>	

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Whatcom	<u>Laborers</u>	Ditch Digger	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Diver	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Drill Operator (hydraulic,diamond)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Dry Stack Walls	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Dump Person	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Epoxy Technician	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Erosion Control Worker	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Faller & Bucker Chain Saw	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Fine Graders	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Firewatch	\$39.48	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Form Setter	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Gabian Basket Builders	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	General Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Grade Checker & Transit Person	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Grinders	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Grout Machine Tender	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Groutmen (pressure)including Post Tension Beams	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Guardrail Erector	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level A)	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level B)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Hazardous Waste Worker (level C)	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	High Scaler	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Jackhammer	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Laserbeam Operator	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Maintenance Person	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Manhole Builder-mudman	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Material Yard Person	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Motorman-dinky Locomotive	\$47.44	<u>7A</u>	<u>31</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	\$47.44	<u>7</u> 4	<u>31</u>	
Whatcom	<u>Laborers</u>	Pavement Breaker	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pilot Car	\$39.48	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pipe Layer Lead	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pipe Layer/tailor	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pipe Pot Tender	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pipe Reliner	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Pipe Wrapper	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Pot Tender	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Powderman	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Powderman's Helper	\$46.57	<u>7A</u>	<u>31</u>	

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Whatcom	<u>Laborers</u>	Power Jacks	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Railroad Spike Puller - Power	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Raker - Asphalt	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Re-timberman	\$48.02	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Remote Equipment Operator	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Rigger/signal Person	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Rip Rap Person	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Rivet Buster	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Rodder	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Scaffold Erector	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Scale Person	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Sloper (over 20")	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Sloper Sprayer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Spreader (concrete)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Stake Hopper	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Stock Piler	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Tamper & Similar Electric, Air & Gas Operated Tools	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Tamper (multiple & Self- propelled)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Toolroom Person (at Jobsite)	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Topper	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	Laborers	Track Laborer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Track Liner (power)	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Traffic Control Laborer	\$42.22	<u>7A</u>	<u>31</u>	<u>8R</u>
Whatcom	<u>Laborers</u>	Traffic Control Supervisor	\$42.22	<u>7A</u>	<u>31</u>	<u>8R</u>
Whatcom	<u>Laborers</u>	Truck Spotter	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Tugger Operator	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 0-30 psi	\$92.60	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$97.63	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$101.31	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$107.01	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$109.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$114.23	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$116.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$118.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$120.13	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Tunnel Work-Guage and Lock Tender	\$48.12	<u>7A</u>	<u>31</u>	<u>8Q</u>

Whatcom	<u>Laborers</u>	Tunnel Work-Miner	\$48.12	<u>7A</u>	<u>31</u>	<u>8Q</u>
Whatcom	<u>Laborers</u>	Vibrator	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Vinyl Seamer	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Watchman	\$35.88	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Welder	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Well Point Laborer	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers</u>	Window Washer/cleaner	\$35.88	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers - Underground Sewer &</u> <u>Water</u>	General Laborer & Topman	\$46.57	<u>7A</u>	<u>31</u>	
Whatcom	<u>Laborers - Underground Sewer &</u> <u>Water</u>	Pipe Layer	\$47.44	<u>7A</u>	<u>31</u>	
Whatcom	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$11.50		<u>1</u>	
Whatcom	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$11.50		<u>1</u>	
Whatcom	Landscape Construction	Landscaping Or Planting Laborers	\$11.50		<u>1</u>	
Whatcom	<u>Lathers</u>	Journey Level	\$56.78	<u>5D</u>	<u>1H</u>	
Whatcom	Marble Setters	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Whatcom	Metal Fabrication (In Shop)	Fitter	\$13.81		<u>1</u>	
Whatcom	Metal Fabrication (In Shop)	Laborer	\$11.50		<u>1</u>	
Whatcom	Metal Fabrication (In Shop)	Machine Operator	\$13.81		<u>1</u>	
Whatcom	Metal Fabrication (In Shop)	Welder	\$13.81		<u>1</u>	
Whatcom	<u>Millwright</u>	Journey Level	\$30.79		<u>1</u>	
Whatcom	<u>Modular Buildings</u>	Journey Level	\$11.50		<u>1</u>	
Whatcom	Painters	Journey Level	\$41.60	<u>6Z</u>	<u>2B</u>	
Whatcom	Pile Driver	Crew Tender	\$52.37	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$71.35	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$76.35	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$80.35	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$85.35	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$87.85	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$92.85	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$94.85	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$96.85	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Pile Driver</u>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$98.85	<u>5D</u>	<u>4C</u>	
Whatcom	Pile Driver	Journey Level	\$57.43	<u>5D</u>	<u>4C</u>	
Whatcom	<u>Plasterers</u>	Journey Level	\$54.89	<u>7Q</u>	<u>1R</u>	
Whatcom	<u>Playground & Park Equipment</u> Installers	Journey Level	\$11.50		<u>1</u>	
Whatcom	Plumbers & Pipefitters	Journey Level	\$67.47	<u>5A</u>	<u>1G</u>	
Whatcom	Power Equipment Operators	Asphalt Plant Operators	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

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Whatcom	Power Equipment Operators	Assistant Engineer	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Batch Plant Operator, Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Concrete Finish Machine -laser Screed	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Conveyors	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes Friction: 200 tons and over	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Dozers D-9 & Under	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Crane Mount				
Whatcom	Power Equipment Operators	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Guardrail Punch	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Horizontal/directional Drill Operator	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Motor Patrol Graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>

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Whatcom	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Saws - Concrete	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Spreader, Topsider & Screedman	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Tower Bucket Elevators	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Tower Crane: over 175' through	\$61.72	7A	3C	<u>8P</u>

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Whatcom	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Transporters, All Track Or Truck Type	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator, Concrete	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Bobcat	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Brooms	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Bump Cutter	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cableways	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Chipper	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Compressor	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Conveyors	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

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Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Crusher	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$59.96	<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	\$60.49	<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	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators-	Horizontal/directional Drill	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Underground Sewer & Water	Operator				
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$61.10	<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	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers,strato	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Overhead, Bridge Type: 100 Tons And Over	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Pavement Breaker	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Pile Driver (other Than Crane Mount)	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Plant Oiler - Asphalt, Crusher	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>

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Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Rigger And Bellman	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Rollagon	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Service Engineers - Equipment	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shotcrete/gunite Equipment	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$59.49	<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	\$60.49	<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	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	<u>Power Equipment Operators-</u> <u>Underground Sewer & Water</u>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	\$59.49	<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	\$61.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$61.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	\$62.33	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators-	Transporters, All Track Or Truck	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Underground Sewer & Water	Туре				
Whatcom	Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$59.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Welder	\$60.49	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	\$56.90	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	\$59.96	<u>7A</u>	<u>3C</u>	<u>8P</u>
Whatcom	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$50.02	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Spray Person	\$47.43	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$50.02	<u>5A</u>	<u>4A</u>	
Whatcom	Power Line Clearance Tree Trimmers	Tree Trimmer	\$44.64	<u>5A</u>	<u>4A</u>	
Whatcom	<u>Power Line Clearance Tree</u> <u>Trimmers</u>	Tree Trimmer Groundperson	\$33.67	<u>5A</u>	<u>4A</u>	
Whatcom	Refrigeration & Air Conditioning Mechanics	Journey Level	\$23.95		<u>1</u>	
Whatcom	Residential Brick Mason	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Whatcom	Residential Carpenters	Journey Level	\$23.81		<u>1</u>	
Whatcom	Residential Cement Masons	Journey Level	\$27.28		<u>1</u>	
Whatcom	Residential Drywall Applicators	Journey Level	\$25.00		1	
Whatcom	Residential Drywall Tapers	Journey Level	\$23.91		1	
Whatcom	Residential Electricians	Journey Level	\$37.65		1	
Whatcom	Residential Glaziers	Journey Level	\$13.79		1	
Whatcom	Residential Insulation Applicators		\$13.96		1	
Whatcom	Residential Laborers		\$20.00		1	
Whatcom	Residential Marble Setters		\$55.82	5۵	<u> </u>	
Whatcom	Residential Painters		\$35.02 \$17.43	<u> 37</u>	<u>1111</u>	
Whatcom	Residential Plumbers & Pipefitters	Journey Level	\$28.26		<u>1</u>	
Whatcom	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$39.88	<u>5A</u>	<u>1G</u>	
Whatcom	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$37.16	7J	11	
Whatcom	Residential Soft Floor Lavers	Journey Level	\$23.46	<u>. v</u>	<u></u> 1	
Whatcom	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$13.23		<u> </u>	
Whatcom	Residential Stone Masons	Journey Level	\$55.82	5A	1M	
Whatcom	Residential Terrazzo Workers	Journey Level	\$11.50		1	
Whatcom	Residential Terrazzo/Tile	Journey Level	\$14.00		<u>1</u>	
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Whatcom	Residential Tile Setters	Journey Level	\$11.50		1	
Whatcom	Roofers	Journey Level	\$25.27		1	
Whatcom	Sheet Metal Workers	Journey Level (Field or Shop)	\$62.96	<u>7F</u>	<u>1E</u>	
Whatcom	Shipbuilding & Ship Repair	Boilermaker	\$43.31	<u>7M</u>	<u>1H</u>	
Whatcom	Shipbuilding & Ship Repair	Carpenter	\$15.16		1	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Crane Operator	\$16.04		<u>1</u>	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Electrician	\$15.18		1	
Whatcom	<u>Shipbuilding & Ship Repair</u>	Heat & Frost Insulator	\$67.93	<u>5J</u>	<u>4H</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</u> (<u>Electrical)</u>	Journey Level	\$16.03		1	
Whatcom	Sign Makers & Installers (Non- Electrical)	Journey Level	\$14.23		<u>1</u>	
Whatcom	Soft Floor Layers	Journey Level	\$47.61	<u>5A</u>	<u>3J</u>	
Whatcom	Solar Controls For Windows	Journey Level	\$11.50		1	
Whatcom	Sprinkler Fitters (Fire Protection)	Journey Level	\$56.81	<u>7J</u>	<u>1R</u>	
Whatcom	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		1	
	Structuraty					
Whatcom	Stone Masons	Journey Level	\$55.82	<u>5A</u>	<u>1M</u>	
Whatcom Whatcom	<u>Street And Parking Lot Sweeper</u> Workers	Journey Level Journey Level	\$55.82 \$15.00	<u>5A</u>	<u>1M</u> <u>1</u>	
Whatcom Whatcom Whatcom	<u>Street And Parking Lot Sweeper</u> <u>Workers</u> Surveyors	Journey Level Journey Level All Classifications	\$55.82 \$15.00 \$36.16	<u>5A</u> Null	<u>1M</u> <u>1</u> 1	
Whatcom Whatcom Whatcom Whatcom	Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians	Journey Level Journey Level All Classifications Journey Level	\$55.82 \$15.00 \$36.16 \$45.07	<u>5A</u> <u>Null</u> 7E	<u>1M</u> <u>1</u> <u>1</u> 1E	
Whatcom Whatcom Whatcom Whatcom Whatcom	Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52	<u>5A</u> Null <u>7E</u> <u>5A</u>	<u>1M</u> 1 <u>1</u> <u>1E</u> <u>2B</u>	
Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78	5A Null 7E 5A 5A	<u>1M</u> <u>1</u> <u>1E</u> <u>2B</u> <u>2B</u>	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside Telephone Line Construction - Outside Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer)	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78 \$38.87	<u>5A</u> <u>Null</u> <u>7E</u> <u>5A</u> <u>5A</u>	<u>1M</u> <u>1</u> <u>1E</u> <u>2B</u> <u>2B</u> <u>2B</u> <u>2B</u>	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78 \$38.87 \$40.52	5A Null 7E 5A 5A 5A	<u>1M</u> 1 <u>1</u> <u>1E</u> <u>2B</u> <u>2B</u> <u>2B</u> <u>2B</u> <u>2B</u>	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Apparatus Installer II	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78 \$38.87 \$40.52 \$40.52 \$39.73	5A Null 7E 5A 5A 5A 5A	<u>1M</u> 1 1 <u>1E</u> 2B 2B 2B 2B 2B 2B 2B 2B	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Aparatus Installer II Telephone Equipment Operator (Heavy)	\$55.82 \$15.00 \$36.16 \$40.52 \$22.78 \$38.87 \$40.52 \$39.73 \$40.52	5A Null 7E 5A 5A 5A 5A 5A	1M 1 1 1E 2B	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Aparatus Installer I Telephone Equipment Operator (Heavy) Telephone Equipment Operator (Light)	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78 \$38.87 \$38.87 \$40.52 \$39.73 \$40.52 \$37.74	5A Null 7E 5A 5A 5A 5A 5A 5A 5A	1M 1 1 1E 2B 2B	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Aparatus Installer I Special Apparatus Installer II Telephone Equipment Operator (Heavy) Telephone Equipment Operator (Light) Telephone Lineperson	\$55.82 \$15.00 \$36.16 \$45.07 \$40.52 \$22.78 \$38.87 \$40.52 \$39.73 \$40.52 \$37.74 \$37.74	5A Null 7E 5A 5A 5A 5A 5A 5A 5A 5A	1M 1 1 1E 2B 2B	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Aparatus Installer I Special Apparatus Installer II Telephone Equipment Operator (Heavy) Telephone Equipment Operator (Light) Telephone Lineperson	\$55.82 \$15.00 \$36.16 \$40.52 \$22.78 \$38.87 \$40.52 \$39.73 \$40.52 \$39.73 \$40.52 \$37.74 \$37.74	5A Null 7E 5A 5A	1M 1 1 1E 2B 2B	
Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom Whatcom	Stone Masons Street And Parking Lot Sweeper Workers Surveyors Telecommunication Technicians Telephone Line Construction - Outside Telephone Line Construction - Outside	Journey Level Journey Level All Classifications Journey Level Cable Splicer Hole Digger/Ground Person Installer (Repairer) Special Aparatus Installer I Special Aparatus Installer I Special Apparatus Installer II Telephone Equipment Operator (Heavy) Telephone Equipment Operator (Light) Telephone Lineperson Television Groundperson	\$55.82 \$15.00 \$36.16 \$40.52 \$22.78 \$38.87 \$40.52 \$39.73 \$40.52 \$39.73 \$40.52 \$37.74 \$37.74 \$37.74	5A Null 7E 5A 5A 5A 5A 5A 5A 5A 5A 5A 5A	1M 1 1 1E 2B 2B	

4/4/2018

	Outside					
Whatcom	<u>Telephone Line Construction -</u> <u>Outside</u>	Television Technician	\$30.69	<u>5A</u>	<u>2B</u>	
Whatcom	<u>Telephone Line Construction -</u> <u>Outside</u>	Tree Trimmer	\$37.74	<u>5A</u>	<u>2B</u>	
Whatcom	Terrazzo Workers	Journey Level	\$51.36	<u>5A</u>	<u>1M</u>	
Whatcom	Tile Setters	Journey Level	\$51.36	<u>5A</u>	<u>1M</u>	
Whatcom	<u>Tile, Marble & Terrazzo Finishers</u>	Finisher	\$42.19	<u>5A</u>	<u>1B</u>	
Whatcom	Traffic Control Stripers	Journey Level	\$17.41		<u>1</u>	
Whatcom	Truck Drivers	Asphalt Mix	\$30.15		<u>1</u>	
Whatcom	Truck Drivers	Dump Truck	\$19.32		<u>1</u>	
Whatcom	Truck Drivers	Dump Truck And Trailer	\$19.32		<u>1</u>	
Whatcom	Truck Drivers	Other Trucks	\$14.48		<u>1</u>	
Whatcom	Truck Drivers	Transit Mixer	\$16.81		<u>1</u>	
Whatcom	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$15.00		<u>1</u>	
Whatcom	Well Drillers & Irrigation Pump Installers	Oiler	\$11.50		<u>1</u>	
Whatcom	<u>Well Drillers & Irrigation Pump</u> Installers	Well Driller	\$18.02		<u>1</u>	

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

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

Overtime Codes Continued

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

Overtime Codes Continued

- 2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
 - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, tenhour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

- 3. E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a 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.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
- B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

5.

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal fourday, ten hour work week, and Saturday shall be paid at one and one half $(1\frac{1}{2})$ times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- H. 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 overtime hours worked, except Labor Day, and all hours on Sunday 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.

Holiday Codes

- 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).

Holiday Codes Continued

- 5. D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
 - H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
 - I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
 - J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
 - K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
 - L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
 - N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
 - P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
 - 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).
 - 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).

6.

- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

Holiday Codes Continued

- 6. H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
 I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
 - T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
 - Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
- 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.

Holiday Codes Continued

- 7. I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
 - J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
 - K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
 - L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
 - M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
 - N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
 - P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
 - Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
 - R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
 - S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

Holiday Codes Continued

T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

8.

- 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.

Note Codes Continued

- 8. U. Workers on hazmat projects receive additional hourly premiums as follows Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do "pioneer" work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
 - V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

Washington State Department of Labor and Industries Policy Statement (Regarding the Production of "Standard" or "Non-standard" Items)

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.

2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.

3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.

4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.

5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.

6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

WSDOT's Predetermined List for Suppliers - Manufactures - Fabricator

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered nonstandard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

	ITEM DESCRIPTION	YES	NO
1.	Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		x
2.	Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		Х
3.	Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		Х
4.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		Х
5.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		х
6.	Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		x
7.	Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		х
	ITEM DESCRIPTION YES N	0	
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8.	Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		x
9.	Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	x	
10.	Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	Х	
11.	Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	x	
12.	Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		x
13.	Concrete PilingPrecast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec	x	
14.	Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15.	Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		x
16.	Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

YES NO

17.	Precast Concrete Inlet - with adjustment sections, See Std. Plans		х
18.	Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		х
19.	Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		х
20.	Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		х
21.	Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		x
22.	Vault Risers - For use with Valve Vaults and Utilities Vaults.		х
23.	Valve Vault - For use with underground utilities. See Contract Plans for details.		Х
24.	Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		Х
25.	Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	x	
26.	Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	x	

ITEM DESCRIPTION

YES NO

27.	Precast Railroad Crossings - Concrete Crossing Structure Slabs.	Х	
28.	 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A 	x	
29.	Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	x	
30.	Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	x	
31.	Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	x	
32.	Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	x	
33.	Monument Case and Cover See Std. Plan.		Х

34.	Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	x	
35.	Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	x	
36.	 Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111. 	x	
37.	Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		x
38.	Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	x	
39.	Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.	x	
40.	Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	x	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		Х

	ITEM DESCRIPTION	YES	NO
42.	Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	x	x
		Custom Message	Std Signing Message
43.	Cutting & bending reinforcing steel		Х
44.	Guardrail components	Х	Х
		Custom End Sec	Standard Sec
45.	Aggregates/Concrete mixes	Cover WAC 296	red by 6-127-018
46.	Asphalt	Cover WAC 296	red by 6-127-018
47.	Fiber fabrics		Х
48.	Electrical wiring/components		Х
49.	treated or untreated timber pile		Х
50.	Girder pads (elastomeric bearing)	Х	
51.	Standard Dimension lumber		Х
52.	Irrigation components		Х

	ITEM DESCRIPTION	YES	NO
53.	Fencing materials		Х
54.	Guide Posts		Х
55.	Traffic Buttons		Х
56.	Ероху		Х
57.	Cribbing		Х
58.	Water distribution materials		Х
59.	Steel "H" piles		Х
60.	Steel pipe for concrete pile casings		Х
61.	Steel pile tips, standard		Х
62.	Steel pile tips, custom	Χ	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW <u>39.12.010</u>

(The definition of "locality" in RCW <u>39.12.010(2)</u> contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

Washington State Department of Labor and Industries Policy Statements (Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.,) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

APPENDIX B – WSDOT STANDARD PLANS (This Page Intentionally Left Blank)













NOTES

- See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
- See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding. 2
- See Standard Specifications Section 2-09.4 for Measurement of Trench Width. *ю*.
- For sanitary sewer installation, concrete pipe shall be bedded to spring line. 4





	N PIPES LATIONS	MINIMUM DISTANCE BETWEEN BARRELS	12"	DIAM. /2	48"	12"	SPAN /3	48"
	NCE BETWEE TIPLE INSTAL	SIZE	12" to 24"	30" to 96"	102" to 180"	18" to 36"	43" to 142"	148" to 200"
	CLEARA FOR MUL	BIPE				PIPE ARCH	(SPAN)	METAL ONLY

PIPE ZONE BEDDING APPROVE FOR PARTY PIPE ZONE BEDDING APPROVE FOR PUBLICATION
--

Washington State Department of Transportation



06-08-06

Harold J. Peterfeso

STATE DESIGN ENGINEER

Washington State Department of Transportation







3"

~

"9

2" ± 1/4"

ľ۵

12"

2" (IN) R.

− 2" (IN) R.

1" (IN) R.





Ε	DIMENSION	"8	ı6	10"	10 1/4"	15 3/4"	16"	16 1/4"	16 1/2"	16 3/4"	22 1/2"	22 3/4"	23"	29"	29 1/4"	29 1/2"	EE SHEET 1
IS TABLI	DIMENSION B	2"	1 1/2"	1	.1/8"	1 1/8"	1"	7/8"	3/4"	5/8"	3/4"	5/8"	1/2"	1/2"	3/8"	1/4"	ENT BLOCK, SE
RADIL	DIMENSION	.12	12"	12"	"12"	18"	18"	18"	18"	18"	.54"	24"	24"	30"	30"	30"	USE TANGE
CUF	CURB RADIUS	3,	4' TO 5'	Q	7.	80	ō	10'	11' TO 13'	14' TO 15'	16' TO 17'	18' TO 22'	23' TO 29'	30' TO 34'	35' TO 48'	49' TO 60'	OVER 60'









STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3 ~ 8" (IN)





ASSEMBLY NOTES









NOTES





Bakotich, Pasco Jun 11 2014 1:33 PM

Rue Bilthe

CONSTRUCTION METHODS

Washington State Department of Transp

(

STATE DESIGN ENGINEER

DRAWN BY: LISA CYFORD





CONDUCTORS



Washington State Department of Transpo

₿

STATE DESIGN ENGINEER

APPROVED FOR PUBLICATION Carpenter, Joff Jul 21 2017 8:19 AM

H

24" (IN) MIN. SLACK REQUIRED TO ALLOW QUICK DISCONNECTS TO BE PULLED OUTSIDE HAND HOLE 6" (IN) MIN.

EQUIPMENT GROUNDING CONDUCTOR

 \diamond

REMOVE ALL SLACK BEFORE INSTALLING CABLE TIE

0300 1000 1000

⊿

6







- Each wire shall be physically separated by at least 1/4" (in) so that sealing material can fill in between the wires: where heat shrink tubing is used for the outer splice enclosure, it shall meet one of the following requirements:
- Have separate ports for each conductor ("WYE" or "X" shaped tubing) \sim or \sim
- Have rubber electrical mastic tape wrapped around each conductor to ensure a weather-proof seal. See Rubber Electrical Mastic Tape Installation Detail.
- Heat shrink tubing shall extend a minimum of one inch onto the original wire insulation of each wire in the splice. Rujd splice enclosures shall be centered over the crimped connection(s).
- Electrical tape used in splicing applications shall be 3/4" (in) wide, be UL listed under UL 510, and be CSA certified under C22.2 No. 197-M1983.
- No more than two splices may be installed in the same splice enclosure.
- Crimp splices shall be installed with an approved cimping tool for the type and size of cimp splice used. Pliers and similar multi-purpose tools may not be used.





TAPE OVERLAP DIAGRAM

STANDARD PLAN J-50.05-00

LOOP SPLICE DETAILS







DRAWN BY: LISA CYFORD



DRAWN BY: LISA CYFORD











TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)

TO BOTTOM OF SIGN

(NO SUPPLEMENTAL PLAQUE) 4' MINIMUM 6' MINIMUM

5' MINIMUM 7' MINIMUM

RURAL












† m





8





DRAWN BY: LISA CYFORD

5

5, - 4,,

MARKING AREA = 1.41 SQ.FT.

GRID IS 4" (IN) SQUARE

2' - 0"

ACCESS PARKING SPACE SYMBOL (MINIMUM)





FOR USE ON ROADWAYS WITH A POSTED SPEED OF 40 MPH OR LESS

TEN FOOT HIGH LETTERS SHOWN ON A FIVE-INCH SQUARE GRID



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SIX FOOT HIGH LETTERS AND NUMERALS SHOWN ON A THREE -INCH SQUARE GRID

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DRAWN BY: FERN LIDDELL

APPENDIX C – AGC AGREEMENT (This Page Intentionally Left Blank)

AGC – WSDOT EQUIPMENT RENTAL AGREEMENT

Effective Date: May 1, 2007 Until Further Notice

It is mutually agreed by the parties to this agreement that rental rates to be paid Contractors for equipment used on force account will be established in accordance with Section 1-09.6 of the Standard Specifications and this agreement. The following rules have been agreed to:

1. General

The Rental Rate Blue Book published by Primedia Information, Inc., as clarified or modified by this agreement, will be used to establish rental rates for equipment approved for use on force account work. Rate modifications, indicated on Regional Adjustment Maps in the Blue Book and as applied automatically by the Blue Book CD (Washington State Version), shall be used for all equipment covered under this agreement. Updates to the Rental Rate Book, in compact disk format, are published on a schedule determined by Primedia Information, Inc. Each update will become applicable to force accounts fourteen days after the date on which Primedia Information, Inc. declares the update to be effective. Equipment used under the terms of this agreement will be at the rates in effect for each section of the Blue Book at the time of use except that calculations made prior to the applicable date, using the previous rates, will not be changed.

2. Rental Rate

The hourly rental rate for equipment utilized on force account shall be a combination of the following items:

- a. The Blue Book monthly rate multiplied by the Rate Adjustment factors for age and geographic location divided by 176.
- b. Attachments will be included in the rental rate when the Engineer deems them necessary to accomplish the force account work. An approved attachment that is continuously attached and used intermittently during the work will be paid for the same duration as the host equipment. When multiple attachments are approved for use, and the attachments are being used interchangeably on the force account operation, only the one attachment having the higher rate will be paid.
- c. The hourly operating cost for each hour that the equipment is in use. "In use" shall mean that the presence of the equipment is necessary for the operation and that the equipment is present and is not being used for other activities while the force account work is underway. Under the circumstances, the equipment shall be paid at its hourly rate plus the hourly operating cost.

3. Standby Time

Standby time shall be defined as the time during which equipment is idled and cannot be assigned to other work on the project. Only that equipment which has been utilized for work on the force account and is expected to be utilized again on the same force account will be eligible for standby compensation. The Contractor is expected to utilize idled equipment on other work if reasonably possible. Standby time will only be paid if the Engineer has had an opportunity to evaluate the cost of standby versus the cost of mobilizing and demobilizing and has ordered standby.

When ordered by the Engineer, standby time shall be paid at one-half of the rate established in accordance with this agreement. The operating cost shall not be included in the calculation for establishing the standby rate. Standby time will not be compensated beyond that amount which will bring the resulting total of operated time and standby time to 8 hours in any one day or 40 hours in any one week.

4. Rental Equipment

If Contactor-owned equipment is not reasonably available, the Engineer may approve the use of operated or non-operated rental equipment. Operated equipment shall be considered a "service" and shall be compensated according to section 4 of the force account specification. Non-operated equipment shall be compensated according to the provisions for rented equipment in section 3 of the force account specifications. If the invoice costs of non-operated equipment do not specifically say the fuel is included, the Rental Rate Blue Book Hourly Operating Cost shall be added for each hour the equipment operates.

When invoiced equipment is used on both force account and non-force account work, payment for the equipment will be a prorated share of the invoice cost. The time period covered by the invoice shall reflect the normal practice of the renting agency, except that the time period shall not exceed one month. When calculating the prorated share, the amounts of standby time for both types of work will be considered according to the formula:

	FC
to be charged to Force Account =	
	FC + NFC

Where:

Share of Invoice

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

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Van Collins Southern District Manager

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Linea Laird State Construction Engineer