

**CONTRACT DOCUMENTS
FOR
CITY OF FERNDALE, WASHINGTON
Gateway North Stormwater Project
City Project Number SW2015-03**

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

**GATEWAY NORTH STORMWATER PROJECT
FERNDAL, WASHINGTON**

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BID PROCEDURES AND CONDITIONS

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**INVITATION TO BID
FOR
GATEWAY NORTH STORMWATER PROJECT
City Project No. SW2015-03**

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 **June 28, 2017, at 3:00 PM**, and will then and there be opened and publicly read for the **Gateway North Stormwater Project**.

PROJECT DESCRIPTION: This contract provides for the installation of approximately 1,400 linear feet of 12 inch, 48 inch, and 60 inch storm sewer main, from approximately the intersection of Main Street and Riverside Drive, then northwesterly to the Nooksack River. Work will include trench excavation; storm sewer installation; connection to existing storm sewer; removing existing structures; 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/gatewaynorth. 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 **June 21, 2017 at 2:00 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.

BID PROPOSAL FORMS
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BID PROPOSAL

FOR

**GATEWAY NORTH STORMWATER PROJECT
FERNDAL, WASHINGTON**

Date: _____

TO: City of Ferndale

Gentlepersons:

This certifies that the Undersigned: has examined the location of the project site and the conditions of work; and has carefully read and thoroughly understands the contract documents entitled: **"GATEWAY NORTH STORMWATER 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.

**CITY OF FERNDALE
GATEWAY NORTH STORMWATER PROJECT**

() SECTION REFERENCE

June 14, 2017

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|-------------------------|--|------------|----------|
| 1 | 1 LUMP SUM | MOBILIZATION (1-09.7) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 2 | 1 LUMP SUM | SPILL PREVENTION, CONTROL & COUNTERMEASURES PLAN (1-07) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 3 | 1 EST | ARCHAEOLOGICAL AND HISTORICAL SALVAGE (1-07) | | |
| | | | \$ | \$ |
| | | | 5,000.00 | 5,000.00 |
| | | | EST | |
| 4 | 3 DAY | STANDBY TIME CAUSED BY ARCHAEOLOGICAL FINDINGS (1-07) | | |
| | | | \$ | \$ |
| | | | per DAY | |
| 5 | 1 LUMP SUM | PROJECT TEMPORARY TRAFFIC CONTROL (1-10) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 6 | 1 LUMP SUM | CLEARING AND GRUBBING (2-01) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 7 | 1 LUMP SUM | REMOVAL OF STRUCTURES AND OBSTRUCTIONS (2-02) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 8 | 10 M GAL. | WATER (2-07) | | |
| | | | \$ | \$ |
| | | | per M GAL. | |
| 9 | 2,800 SQUARE FOOT | SHORING OR EXTRA EXCAVATION CLASS B (2-09) | | |
| | | | \$ | \$ |
| | | | per SF | |
| 10 | 1 LUMP SUM | COFFERDAM CONSTRUCTION (2-09) | | |
| | | | \$ | \$ |
| | | | per LS | |

**CITY OF FERNDALE
GATEWAY NORTH STORMWATER PROJECT**

() SECTION REFERENCE

June 14, 2017

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|-----------------------|---|------------|-------|
| 11 | 10 CUBIC YARD | CONTROLLED DENSITY FILL (2-09) | | |
| | | | \$ | \$ |
| | | | per CY | |
| 12 | 400 SQUARE YARD | CONSTRUCTION GEOTEXTILE FOR SUBGRADE SEPARATION (2-12) | | |
| | | | \$ | \$ |
| | | | per SY | |
| 13 | 4,300 TON | GRAVEL BASE (4-02) | | |
| | | | \$ | \$ |
| | | | per TON | |
| 14 | 300 TON | CRUSHED SURFACING TOP COURSE (4-04) | | |
| | | | \$ | \$ |
| | | | per TON | |
| 15 | 150 LINEAR FOOT | CORRUGATED POLY STORM SEWER PIPE, 12 IN. DIAM. (7-04) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 16 | 760 LINEAR FOOT | CORRUGATED POLY STORM SEWER PIPE, 48 IN. DIAM. (7-04) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 17 | 550 LINEAR FOOT | CORRUGATED POLY STORM SEWER PIPE, 60 IN. DIAM. (7-04) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 18 | 48 LINEAR FOOT | CONTRACTING AGENCY SUPPLIED CORRUGATED POLY STORM SEWER PIPE 60 IN. DIAM. (7-04) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 19 | 1 EACH | CONTRACTING AGENCY SUPPLIED CHECKMATE INLINE CHECK VALVE (7-04) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 20 | 4 EACH | PIPELINE SCREW ANCHOR (7-04) | | |
| | | | \$ | \$ |
| | | | per EA | |

**CITY OF FERNDALE
GATEWAY NORTH STORMWATER PROJECT**

() SECTION REFERENCE

June 14, 2017

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|-------------------------|--|------------|-------|
| 21 | 1,460 LINEAR FOOT | TESTING STORM SEWER PIPE (7-04) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 22 | 1 EACH | CATCH BASIN TYPE 2, 48 IN. DIAM. (7-05) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 23 | 5 EACH | CATCH BASIN TYPE 2, 72 IN. DIAM. (7-05) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 24 | 3 LINEAR FOOT | CATCH BASIN TYPE 2, 96 IN. DIAM. (7-05) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 25 | 1 EACH | CONTRACTING AGENCY SUPPLIED CATCH BASIN TYPE 2, 96 IN. DIAM. (7-05) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 26 | 1 LUMP SUM | ADJUSTMENTS TO FINISHED GRADE (7-05) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 27 | 200 CUBIC YARD | REMOVAL OF UNSUITABLE MATERIAL INCL. HAUL (7-08) | | |
| | | | \$ | \$ |
| | | | per CY | |
| 28 | 210 SQUARE YARD | STABILIZED CONSTRUCTION ENTRANCE (8-01) | | |
| | | | \$ | \$ |
| | | | per SY | |
| 29 | 2,500 LINEAR FOOT | SILT FENCE (8-01) | | |
| | | | \$ | \$ |
| | | | per LF | |
| 30 | 420 LINEAR FOOT | HIGH VISIBILITY SILT FENCE (8-01) | | |
| | | | \$ | \$ |
| | | | per LF | |

**CITY OF FERNDALE
GATEWAY NORTH STORMWATER PROJECT**

() SECTION REFERENCE

June 14, 2017

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|-----------------------|---|------------|-----------|
| 31 | 50 HOUR | STREET CLEANING (8-01) | | |
| | | | \$ | \$ |
| | | | per HR | |
| 32 | 1 FORCE ACCOUNT | EROSION/WATER POLLUTION CONTROL (8-01) | | |
| | | | \$ | \$ |
| | | | 5,000.00 | 5,000.00 |
| | | | FA | |
| 33 | 1 LUMP SUM | ESC LEAD (8-01) | | |
| | | | \$ | \$ |
| | | | per LS | |
| 34 | 4 EACH | INLET PROTECTION (8-01) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 35 | 950 SQUARE YARD | SEEDING, FERTILIZING, AND MULCHING (8-01) | | |
| | | | \$ | \$ |
| | | | per SY | |
| 36 | 300 TON | QUARRY SPALLS (8-15) | | |
| | | | \$ | \$ |
| | | | per TON | |
| 37 | 4 EACH | POTHOLE EXISTING UNDERGROUND UTILITY (8-30) | | |
| | | | \$ | \$ |
| | | | per EA | |
| 38 | 1 FORCE ACCOUNT | REPAIR EXISTING PUBLIC & PRIVATE FACILITIES (8-31) | | |
| | | | \$ | \$ |
| | | | 6,000.00 | 6,000.00 |
| | | | FA | |
| 39 | 1 FORCE ACCOUNT | UNANTICIPATED SITE WORK (8-32) | | |
| | | | \$ | \$ |
| | | | 25,000.00 | 25,000.00 |
| | | | FA | |

TOTAL \$ _____

NON-COLLUSION DECLARATION

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

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

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

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

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

BIDDER IDENTIFICATION

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

Firm Name: _____

Address: _____

Telephone: _____

Fax: _____

Contractor's Number: _____

The Firm submitting this proposal is a _____ Sole Proprietorship
_____ Partnership
_____ Corporation

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

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

BID PROPOSAL SIGNATURE AND ADDENDUM ACKNOWLEDGMENT

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

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

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

SIGNATURE OF AUTHORIZED OFFICIAL(S)

(PROPOSAL MUST BE SIGNED)

SIGNATURE

FIRM NAME

STATE OF WASHINGTON)
) ss.
COUNTY OF WHATCOM)

On this _____ day of _____, 2017, before me personally appeared _____ to me personally known to be the person described in and who executed the above instrument and who acknowledged to me the act of signing thereof.

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

My Commission Expires: _____

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

BID BOND

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

The condition of this bond is such that, whereas, the principal herein is herewith submitting his or its bid proposal for, **GATEWAY NORTH STORMWATER 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 ten (10) 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 _____, 2017.

Principal

By _____ (Seal)

Surety

By _____
Attorney-In-Fact

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

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

January 4, 2016

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)A 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. When the Contractor does not meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to costs or any other reason the following shall be submitted:

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 Materials Reporting form.

1-07.AP1

Section 1-07, Legal Relations and Responsibilities to the Public January 3, 2017

1-07.1 Laws to be Observed

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:

1. 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:

5. 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.

2-03.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.

7-02.AP7

Section 7-02, Culverts
January 3, 2017

7-02.2 Materials

The following three new items are inserted after the item "Aggregate for Portland Cement Concrete:

| | |
|---------------------------------------|------------|
| Gravel Backfill for Pipe Zone Bedding | 9-03.12(3) |
| Butyl Rubber Sealant | 9-04.11 |
| External Sealing Band | 9-04.12 |

The last paragraph is deleted.

7-02.3(6) Precast Reinf. Conc. Three Sided Structures, Box Culverts and Split Box Culverts

This section is supplemented with the following new paragraph:

When the Plans include a complete set of design details for a Structure (defining panel shapes and dimensions, concrete strength requirements, and steel reinforcing bar, joint, and connection details), the design and load rating preparation and calculation submittal requirements of Sections 7-02.3(6)A1 and 7-02.3(6)A2 do not apply for the components shown in the Plans, but all other requirements of this Section remain in effect. The Contractor may propose alternate concrete culvert designs, accommodating the same rise, span, and length as shown in the Plans, to replace the Structure details shown in the Plans. If an alternate concrete culvert design is proposed, all of the requirements of this Section, including design and load rating preparation and calculation submittal, apply.

7-02.3(6)A General

This section is supplemented with the following two new paragraphs:

Tolerances for PRCTSS shall be as follows:

1. Internal Dimensions – The internal dimension shall not vary more than 1 percent or 2 inches, whichever is less, from the Plan dimensions. The haunch dimensions shall not vary more than $\frac{3}{4}$ inch from the Plan dimensions.
2. Slab and Wall Thickness – The slab and wall thickness shall not be less than that shown in the Plans by more than 5 percent or $\frac{1}{2}$ inch, whichever is greater. A thickness more than that required in the Plans will not be a cause for rejection if proper joining is not affected.
3. Length of Opposite Surfaces – Variations in lengths of two opposite surfaces of the three-sided section shall not be more than $\frac{3}{4}$ inch unless beveled sections are being used to accommodate a curve in the alignment.
4. Reinforcing steel placement shall meet the tolerances specified in Section 6-02.3(24)C.

Tolerances for PRCBC and PRCSBC shall be as follows:

1. Internal Dimensions – The internal dimensions shall not vary more than 1 percent from the Plan dimensions. If haunches are used, the haunch dimensions shall not vary more than $\frac{1}{4}$ inch from the Plan dimensions.
2. Slab and Wall Thickness – The slab and wall thickness shall not be less than that shown in the Plans by more than 5 percent or $\frac{3}{16}$ inch, whichever is greater. A thickness more than that required in the Plans will not be a cause for rejection.
3. Length of Opposite Box Segments – Variations in lengths of two opposite surfaces of the box segments shall not be more than $\frac{1}{8}$ inch per foot of internal span, with a maximum of $\frac{5}{8}$ inch for all sizes through 7 feet internal span, and a maximum of $\frac{3}{4}$ inch for internal spans

greater than 7 feet, except where beveled sections are being used to accommodate a curve in the alignment.

4. Length of Box Segments – The underrun in length of a segment shall not be more than $\frac{1}{8}$ inch per foot of length with a maximum of $\frac{1}{2}$ inch in any box segment.
5. Length of Legs and Slabs – The variation in length of the legs shall not be more than $\frac{1}{8}$ inch per foot of the rise of the leg per leg with a maximum of $\frac{5}{8}$ inches. The differential length between opposing legs of the same segment shall not be more than $\frac{1}{2}$ inch. Length of independent top slab spans shall not vary by more than $\frac{1}{8}$ inch per foot of span of the top slab, with a maximum of $\frac{5}{8}$ inches.
6. Reinforcing steel placement shall meet the tolerances specified in Section 6-02.3(24)C.

This section is supplemented with the following new subsection:

7-02.3(6)A5 Wingwalls and Retaining Walls

Wingwalls and retaining walls (including cutoff walls and headwalls) shall be constructed in accordance with the Contractor's design and Working Drawing submittal or when the Plans include a complete set of design details for a wall (defining panel shapes and dimensions, concrete strength requirements, and steel reinforcing bar, joint, and connection details), the details shown in the Plans.

Precast concrete construction shall conform to Sections 6-02.3(28) and 6-11.3(3).

Culvert bedding material shall be furnished, placed, and compacted in accordance with Section 7-02.3(6)A4.

7-02.3(6)A1 Design Criteria

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

Whenever the minimum finished backfill or surfacing depth above the top of the Structure is less than 1'-0" (except when the top of the Structure is directly exposed to vehicular traffic), either all steel reinforcing bars in the span unit shall be epoxy-coated with 2" minimum concrete cover from the face of concrete to the face of the top mat of steel reinforcing bars, or the minimum concrete cover shall be 2½".

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

Concrete cover from the face of any concrete surface to the face of any steel reinforcement shall be 1-inch minimum end clearance at all joints, and 2-inches minimum at all other locations.

7-02.3(6)A2 Submittals

The first paragraph is revised to read:

The Contractor shall submit shop drawings of the precast Structures. Fabrication shop drawings replicating complete design details when shown in the Plans shall be Type 2 Working Drawings. Submittals completing the design based on the schematic geometric requirements shown in the Plans, or proposing a Contractor designed alternative concrete culvert Structure shall be Type 2E Working Drawings with supporting design calculations.

The last paragraph is revised to read:

For precast Structures with a span length greater than 20-feet (as defined in Section 7-02.3(6)A1), except when the depth of fill above the top of culvert exceeds the Structure span length, a Type 2E Working Drawing shall be submitted consisting of a load rating report prepared in accordance with the AASHTO Manual for Bridge Evaluation and WSDOT Bridge Design Manual LRFD M 23-50 Chapter 13. Soil pressures used shall include effects from the backfill material and compaction methods, and shall be in accordance with the WSDOT Geotechnical Design Manual M 46-03 and the geotechnical report prepared for the project.

7-02.3(6)A3 Casting

This section is revised to read:

Concrete shall conform to Section 6-02.3(28)B, with a 28-day compressive strength as specified in the Plans or the Working Drawings submittal.

7-02.3(6)A4 Excavation and Bedding Preparation

The last paragraph is revised to read:

The upper layer of bedding course shall be a 6-inch minimum thickness layer of culvert bedding material, defined as granular material either conforming to Section 9-03.12(3) or to AASHTO Grading No. 57 as specified in Section 9-03.1(4)C. The plan limits of the culvert bedding material shall extend 1-foot beyond the plan limits of the culvert or the Structure footing as applicable. The culvert bedding material shall be compacted in accordance with the Section 2-09.3(1)E requirements for gravel backfill for drains. After compaction, the culvert bedding material shall be screeded transversely to the specified line and grade. Voids in the screeded culvert bedding material shall be filled and then rescreeded prior to erecting the precast Structure.

7-02.3(6)B3 Erection

The last paragraph is revised to read:

Adjacent precast sections shall be connected by welding the weld-tie anchors in accordance with Section 6-03.3(25). Welding ground shall be attached directly to the steel plates being welded when welding the weld-ties. The weld-tie anchor spacing shall not exceed 6'-0". After connecting the weld-tie anchors, the Contractor shall paint the exposed metal surfaces with one coat of field primer conforming to Section 9-08.1(2)F. Keyways shall be filled with grout conforming to Section 9-20.3(2).

7-02.3(6)C1 Casting

This section is revised to read:

PRCSBC shall consist of lid elements and "U" shaped base elements. The vertical legs of the "U" shaped base elements shall be full height matching the rise of the culvert, except as otherwise specified for culvert spans greater than 20-feet. For PRCSBC spans greater than 20-feet (as defined in Section 7-02.3(6)A1), the lid elements may include vertical legs of a maximum length of 4-feet.

All vertical and horizontal joints of PRCBC and PRCSBC elements shall be tongue and groove type joints, except PRCBC and PRCSBC of 20-foot span or less may have keyway joints connected by weld-tie anchors in accordance with Section 6-02.3(25)O. The weld-tie anchor spacing shall not exceed 6'-0". There shall be at least two galvanized steel tie plates across each top unit tongue and groove joint and each tongue and groove joint between upper and lower units, unless otherwise shown in the Plans or required by the seismic designed completed in accordance with Section 7-02.3(6)A1.

7-02.3(6)C3 Erection

This section is revised to read:

PRCBC and PRCSBC shall be erected and backfilled in accordance with the erection sequence specified in the Working Drawing submittal, and the construction equipment restrictions specified in Section 6-02.3(25)O.

The Contractor shall install a continuous strip of butyl rubber sealant within all tongue and groove joints prior to connecting the precast elements together. The butyl rubber sealant shall have a minimum cross section of 1/2-inch by 1 1/2-inch, unless otherwise shown in the Plans.

After connecting the joints with weld-tie anchors, the Contractor shall paint the exposed metal surfaces with one coat of field primer conforming to Section 9-08.1(2)F. Keyways shall be filled with grout conforming to Section 9-20.3(2).

The Contractor shall wrap all exterior joints along the top and sides of the PRCBC and PRCSBC with a 12-inch wide strip of external sealing band centered about the joint and adhesively bonded to the concrete surface.

Backfill beside the PRCBC and PRCSBC shall be brought up in sequential layers, compacted concurrently. The difference in backfill height on opposing sides of the Structure shall not exceed 2-feet.

7-02.4 Measurement

This section is supplemented with the following:

Culvert bedding material will be measured by the cubic yard of material placed.

7-02.5 Payment

This section is supplemented with the following:

“Culvert Bedding Material”, per cubic yard.

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.

9-03.AP9

Section 9-03, Aggregates

January 3, 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 1½ 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 harmful components such as chlorides and reactive materials 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.

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 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:

| | | | | | |
|--|-----------|---|-----|---|---|
| Coarse Aggregate for Commercial Concrete | 9-03.1(4) | 0 | 100 | 0 | 0 |
|--|-----------|---|-----|---|---|

| Performance Properties | Test Method | Specification Requirements |
|--|------------------------------------|----------------------------|
| Tensile Stress (for Thin Polymer Sheets) | ASTM D 882 | 75 pounds per inch min. |
| Grab Tensile Strength (for Geotextiles and Fabrics) | ASTM D 4632 (Woven or Nonwoven) | 200 pounds min. |
| Puncture Capacity (For Thin Polymer Sheets, Geotextiles and Fabrics) | ASTM E 154 | 200 pounds min. |

Waterproofing membrane will be accepted based on a Manufacturer’s Certificate of Compliance with each lot of waterproof membrane.

9-11.2 Primer for Waterproof Membrane

The primer for the waterproof membrane shall be appropriate for bonding the sheet membrane to the bridge deck surface and shall be compatible with the membrane in accordance with the waterproof membrane manufacturer’s recommendations.

9-16.AP9

Section 9-16, Fence and Guardrail January 17, 2017

9-16.3(3) Galvanizing

The first three sentences are deleted and replaced with the following single sentence:

W-beam or thrie beam rail elements and terminal sections shall be galvanized in accordance with AASHTO M 180, Class A, Type II.

9-20.AP9

Section 9-20, Concrete Patching Material, Grout, and Mortar January 3, 2017

This section is supplemented with the following new subsection:

9-20.5 Bridge Deck Repair Material

Bridge deck repair material shall be either an ultra-low viscosity, two-part liquid, polyurethane-hybrid polymer concrete, or a pre-packaged cement based repair mortar, conforming to the following requirements:

1. Minimum compressive strength of 2,500 psi, in accordance with ASTM C 109.
2. Total soluble chloride ion content by mass of product shall conform to the limits specified in Section 6-02.3(2) for reinforced concrete.
3. Permeability of less than 2,000 coulombs at 56-days in accordance with AASHTO T 277.

If pre-packaged deck repair material does not include coarse aggregate, the Contractor shall extend the mix with coarse aggregate as recommended by the manufacturer.

9-23.AP9

Section 9-23, Concrete Curing Materials and Admixtures January 3, 2017

9-23.9 Fly Ash

The first paragraph is revised to read:

Fly ash shall conform to the requirements of AASHTO M295 Class C or F including supplementary optional chemical requirements as set forth in Table 2.

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

The supplementary optional chemical limits in AASHTO M295 Table 2 do not apply to fly ash used in Controlled Density Fill.

9-23.12 Metakaolin

This section, including title, is revised to read:

9-23.12 Natural Pozzolan

Natural Pozzolans shall be either Metakaolin or ground Pumice and shall conform to the requirements of AASHTO M295 Class N, including supplementary optional chemical requirements as set forth in Table 2.

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
January 3, 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 inhibitors 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 for Type 1, 2, and 8 Concrete Junction Boxes shall conform to the following:

| 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) |
| 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 Mechanism Hardware and Bolts | In accordance with approved shop drawings |

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. Non-concrete junction box lids shall include a pull slot and embedded 6 by 6 by ¼-inch steel plate, and shall be secured with two ½ 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 shared-use 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-in-place 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 μm .
- b. Type OM2, meeting the requirements of EIA/TIA 492-AAAB-A or ISO/IEC 11801. The fiber core diameter shall be 50 μm .

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 |
|------|-----|-----|-----|

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 |

9-29.25 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 1, 2016

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.

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 installation of approximately 1,400 linear feet of 48 inch and 60
8 inch storm sewer main, from approximately the intersection of Main Street and Riverside Drive,
9 then northwesterly to the Nooksack River. Work will include trench excavation; storm sewer
10 installation; connection to existing storm sewer; removing existing structures; and other work in
11 accordance with the Contract Plans, Special Provisions, the Standard Specifications, including
12 the amendments thereto, and Standard Plans.

13
14 **1-01 DEFINITIONS AND TERMS**

15
16 **1-01.3 Definitions**

17 *(January 4, 2016 APWA GSP)*

18
19 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them
20 with the following:

21
22 **Dates**

23 ***Bid Opening Date***

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

25 ***Award Date***

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

28 ***Contract Execution Date***

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

30 ***Notice to Proceed Date***

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

32 ***Substantial Completion Date***

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

38 ***Physical Completion Date***

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

42 ***Completion Date***

43 The day all the Work specified in the Contract is completed and all the obligations of the
44 Contractor under the contract are fulfilled by the Contractor. All documentation required

1 by the Contract and required by law must be furnished by the Contractor before
2 establishment of this date.

3 ***Final Acceptance Date***

4 The date on which the Contracting Agency accepts the Work as complete.
5

6 Supplement this Section with the following:
7

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

13 All references to the terms “State” or “state” shall be revised to read “Contracting Agency”
14 unless the reference is to an administrative agency of the State of Washington, a State statute
15 or regulation, or the context reasonably indicates otherwise.
16

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

20 All references to “final contract voucher certification” shall be interpreted to mean the
21 Contracting Agency form(s) by which final payment is authorized, and final completion and
22 acceptance granted.
23

24 **Additive**

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

29 **Alternate**

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

34 **Business Day**

35 A business day is any day from Monday through Friday except holidays as listed in Section
36 1-08.5.
37

38 **Contract Bond**

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

43 **Contract Documents**

44 See definition for “Contract”.
45

1 **Contract Time**

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

5 **Notice of Award**

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

9 **Notice to Proceed**

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

14 **Traffic**

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

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

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

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

24 **1-02.1 Qualifications of Bidder**

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

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

31 **1-02.2 Plans and Specifications**

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

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

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

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

| To Prime Contractor | No. of Sets | Basis of Distribution |
|---------------------------|-------------|-------------------------------------|
| Reduced plans (11" x 17") | 5 | Furnished automatically upon award. |

| | | |
|-------------------------------|---|-------------------------------------|
| Contract Provisions | 5 | Furnished automatically upon award. |
| Large plans (e.g., 22" x 34") | 3 | Furnished only upon request. |

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

1-02.4(1) General

(March 17, 2010 R&E GSP)

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

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

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

Pre-Bid Conference

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

Those prospective bidders wanting to take part in the Pre-Bid Conference shall meet at the Ferndale City Hall, 2095 Main Street, Ferndale, Washington 98248. The meeting will start on **June 21, 2017 at 2:00 PM**. A jobsite visit may follow upon request. Attendance at this Pre-Bid Conference is not mandatory.

1-02.5 Proposal Forms

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

10
11 The Contracting Agency reserves the right to arrange the proposal forms with alternates and
12 additives, if to the advantage of the Contracting Agency. The bidder shall bid on all alternates
13 and additives set forth in the Proposal Form unless otherwise specified.

14 15 **1-02.6 Preparation of Proposal**

16 *(June 27, 2011 APWA GSP)*

17
18 Supplement the second paragraph with the following:

- 19
20 4. If a minimum bid amount has been established for any item, the unit or lump sum price
21 must equal or exceed the minimum amount stated.
22 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by
23 the signer of the bid.
24

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

26
27 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

28
29 A bid by a corporation shall be executed in the corporate name, by the president or a vice
30 president (or other corporate officer accompanied by evidence of authority to sign).

31
32 A bid by a partnership shall be executed in the partnership name, and signed by a partner. A
33 copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE
34 requirements are to be satisfied through such an agreement.
35

36 A bid by a joint venture shall be executed in the joint venture name and signed by a member
37 of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid
38 Form if any D/W/MBE requirements are to be satisfied through such an agreement.
39

40 **1-02.7 Bid Deposit**

41 *(March 8, 2013 APWA GSP)*

42
43 Supplement this section with the following:

44
45 Bid bonds shall contain the following:

- 46 1. Contracting Agency-assigned number for the project;

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

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

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

(February 1, 2008, R&E GSP)

Section 1-02.7 is supplemented with the following:

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

1-02.9 Delivery of Proposal

(August 15, 2012 APWA GSP, Option A)

Delete this section and replace it with the following:

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

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

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

1-02.10 Withdrawing, Revising, or Supplementing Proposal

(July 23, 2015 APWA GSP)

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

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

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

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

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

1-02.12 Public Opening of Proposals

(May 4, 2012 APWA GSP)

Delete this section and replace it with the following:

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

1-02.13 Irregular Proposals

(January 4, 2016 APWA GSP)

Delete this section and replace it with the following:

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

- 1 Certification, if applicable, as required in Section 1-02.6;
- 2 i. The Bidder fails to submit written confirmation from each DBE firm listed on the
- 3 Bidder's completed DBE Utilization Certification that they are in agreement with the
- 4 bidders DBE participation commitment, if applicable, as required in Section 1-02.6,
- 5 or if the written confirmation that is submitted fails to meet the requirements of the
- 6 Special Provisions;
- 7 j The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as
- 8 required in Section 1-02.6, or if the documentation that is submitted fails to
- 9 demonstrate that a Good Faith Effort to meet the Condition of Award was made;
- 10 k. The Bid Proposal does not constitute a definite and unqualified offer to meet the
- 11 material terms of the Bid invitation; or
- 12 l. More than one proposal is submitted for the same project from a Bidder under the
- 13 same or different names.
- 14
- 15 2. A Proposal may be considered irregular and may be rejected if:
- 16 a. The Proposal does not include a unit price for every Bid item;
- 17 b. Any of the unit prices are excessively unbalanced (either above or below the amount
- 18 of a reasonable Bid) to the potential detriment of the Contracting Agency;
- 19 c. Receipt of Addenda is not acknowledged;
- 20 d. A member of a joint venture or partnership and the joint venture or partnership submit
- 21 Proposals for the same project (in such an instance, both Bids may be rejected); or
- 22 e. If Proposal form entries are not made in ink.
- 23

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

25 Item 1a is supplemented with the following:

26

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

28

29 **1-02.15 Pre Award Information**

30 (*August 14, 2013 APWA GSP*)

31

32 Revise this section to read:

33

34 Before awarding any contract, the Contracting Agency may require one or more of these

35 items or actions of the apparent lowest responsible bidder:

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

1 is the lowest responsible bidder.

2
3 (*December 29, 2008 R&E GSP*)

4 Section 1-02.15 is supplemented with the following:

- 5
6 9. Evidence of financial resources and experience,
7 10. Organization and equipment the Bidder has available for the performance of the contract
8 by the Bidder and each proposed subcontractor.
9

10 **1-03 AWARD AND EXECUTION OF CONTRACT**

11
12 **1-03.1 Consideration of Bids**

13 (*January 23, 2006 APWA GSP*)
14

15 Revise the first paragraph to read:

16
17 After opening and reading proposals, the Contracting Agency will check them for correctness
18 of extensions of the prices per unit and the total price. If a discrepancy exists between the price
19 per unit and the extended amount of any bid item, the price per unit will control. If a minimum
20 bid amount has been established for any item and the bidder's unit or lump sum price is less
21 than the minimum specified amount, the Contracting Agency will unilaterally revise the unit
22 or lump sum price, to the minimum specified amount and recalculate the extension. The total
23 of extensions, corrected where necessary, including sales taxes where applicable and such
24 additives and/or alternates as selected by the Contracting Agency, will be used by the
25 Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the
26 amount of the contract bond.
27

28 **1-03.3 Execution of Contract**

29 (*October 1, 2005 APWA GSP*)
30

31 Revise this section to read:

32
33 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available
34 for signature by the successful bidder on the first business day following award. The number
35 of copies to be executed by the Contractor will be determined by the Contracting Agency.
36

37 Within 5 calendar days after the award date, the successful bidder shall return the signed
38 Contracting Agency-prepared contract, an insurance certification as required by Section 1-
39 07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the
40 contract by the Contracting Agency, the successful bidder shall provide any pre-award
41 information the Contracting Agency may require under Section 1-02.15.
42

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

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

5 6 **1-03.4 Contract Bond**

7 *(July 23, 2015 APWA GSP)*
8

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

10
11 The successful bidder shall provide executed payment and performance bond(s) for the full
12 contract amount. The bond may be a combined payment and performance bond; or be
13 separate payment and performance bonds. In the case of separate payment and performance
14 bonds, each shall be for the full contract amount. The bond(s) shall:

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

40 41 **1-03.7 Judicial Review**

42 *(July 23, 2015 APWA GSP)*
43

44 Delete this section and replace it with the following:
45

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 the county 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.

1-04 SCOPE OF THE WORK

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

(March 13, 2012 APWA GSP)

Revise the second paragraph to read:

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

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

1-04.6 Variation in Estimated Quantities

(May 25, 2006 APWA GSP)

Supplement this Section with the following:

The quantities for:

Gravel Base
Crushed Surfacing Top Course
Removal of Unsuitable Material Including Haul
Quarry Spalls

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

1-05 CONTROL OF WORK

1-05.4 Conformity with and Deviations from Plans and Stakes

(March 30, 2007 R&E GSP)

Section 1-05.4 is supplemented with the following:

1 Survey stakes will be provided by the Contracting Agency in accordance with this Section, as
2 supplemented by the following:

- 3
4 1. Clearing stakes (no vertical control) will be placed at the approximate limits of clearing
5 prior to the Contractor's clearing and grubbing operations.
6
- 7 2. Cut/fill stakes will be placed after completion of clearing and grubbing. The Contractor
8 shall designate a qualified supervising grade checker for the project. This grade checker
9 shall meet with the Engineer prior to the beginning of grading operations in order to
10 develop a mutually agreeable staking and notation system for the project.
11
- 12 3. Offset stakes and grade hubs will be provided for enclosed drain lines, sanitary sewer
13 mains, water mains, manhole structures and fire hydrants, according to the system agreed
14 on by the grade checker Engineer.
15
- 16 4. The Engineer will not provide grade hubs within the traveled way on any section of road
17 concurrent with the Contractor's hauling operations on that particular section of road.
18
- 19 5. Grade hubs will be provided only for the top of the ballast course. In order to eliminate
20 unnecessary destruction of grade hubs, these hubs will not be placed within the traveled
21 way until grading has been completed to plus or minus 0.05 feet, based on cut stake
22 information, and until the roadway where the hubs are to be placed has been compacted to
23 the satisfaction of the Engineer.
- 24 6. Staking for curb and gutter will be set on intervals of 25 feet. Curb and gutter grades must
25 conform to within plus or minus 0.02 feet of elevations shown on the Project Plans.
26 Deviation from this specification will be cause for rejection of non-conforming work.
27 Asphalt finish graded must conform to within plus or minus 0.03 feet of elevations shown
28 on the Project Plans.
29
- 30 7. Any additional survey stakes not specified herein or any replacement of survey stakes
31 provided, will be accomplished by the Engineer at the Contractor's expense. The City of
32 Ferndale may require payment from the Contractor for such additional or redundant
33 surveying in an amount not to exceed the labor and equipment costs directly assignable to
34 the additional work. Such costs may be deducted from payments due the Contractor in
35 accordance with the provisions of Section 1-05.4.
36
- 37 8. Any claim by the Contractor for extra compensation by reason of alterations or
38 reconstruction work allegedly due to error in the Engineer's line and grade will not be
39 considered unless the original control points set by the Engineer still exist.
40

41 **1-05.7 Removal of Defective and Unauthorized Work**
42 *(October 1, 2005 APWA GSP)*
43

44 Supplement this section with the following:
45

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

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

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

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

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

29 30 **1-05.11 Final Inspection**

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

33 34 **1-05.11 Final Inspections and Operational Testing**

35 *(October 1, 2005 APWA GSP)*

36 37 **1-05.11(1) Substantial Completion Date**

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

1 If, after this inspection, the Engineer concurs with the Contractor that the work is substantially
2 complete and ready for its intended use, the Engineer, by written notice to the Contractor, will
3 set the Substantial Completion Date. If, after this inspection the Engineer does not consider the
4 work substantially complete and ready for its intended use, the Engineer will, by written notice,
5 so notify the Contractor giving the reasons therefor.
6

7 Upon receipt of written notice concurring in or denying substantial completion, whichever is
8 applicable, the Contractor shall pursue vigorously, diligently and without unauthorized
9 interruption, the work necessary to reach Substantial and Physical Completion. The Contractor
10 shall provide the Engineer with a revised schedule indicating when the Contractor expects to
11 reach substantial and physical completion of the work.
12

13 The above process shall be repeated until the Engineer establishes the Substantial Completion
14 Date and the Contractor considers the work physically complete and ready for final inspection.
15

16 **1-05.11(2) Final Inspection and Physical Completion Date**

17

18 When the Contractor considers the work physically complete and ready for final inspection,
19 the Contractor by written notice, shall request the Engineer to schedule a final inspection. The
20 Engineer will set a date for final inspection. The Engineer and the Contractor will then make a
21 final inspection and the Engineer will notify the Contractor in writing of all particulars in which
22 the final inspection reveals the work incomplete or unacceptable. The Contractor shall
23 immediately take such corrective measures as are necessary to remedy the listed deficiencies.
24 Corrective work shall be pursued vigorously, diligently, and without interruption until physical
25 completion of the listed deficiencies. This process will continue until the Engineer is satisfied
26 the listed deficiencies have been corrected.
27

28 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the
29 written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor,
30 take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.
31 The Contractor will not be allowed an extension of contract time because of a delay in the
32 performance of the work attributable to the exercise of the Engineer's right hereunder.
33 Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting
34 Agency, in writing, of the date upon which the work was considered physically complete. That
35 date shall constitute the Physical Completion Date of the contract, but shall not imply
36 acceptance of the work or that all the obligations of the Contractor under the contract have
37 been fulfilled.
38

39 **1-05.11(3) Operational Testing**

40

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

operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

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

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

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

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

Add the following new section:

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

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

1 Add the following new section:

2
3 **1-05.17 Oral Agreements**

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

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

11
12 **1-06 CONTROL OF MATERIALS**

13
14 **1-06.4 Handling and Storing Materials**

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

16
17 Section 1-06.4 is supplemented with the following:

18
19 The Contractor shall make arrangements for storage of equipment and materials.

20
21 No staging area is provided by the Contracting Agency.

22
23 **1-06.6 Recycled Materials**

24 *(January 4, 2016 APWA GSP)*

25
26 Delete this section, including its subsections, and replace it with the following:

27
28 The Contractor shall make their best effort to utilize recycled materials in the construction of
29 the project. Approval of such material use shall be as detailed elsewhere in the Standard
30 Specifications.

31
32 Prior to Physical Completion the Contractor shall report the quantity of recycled materials
33 that were utilized in the construction of the project for each of the items listed in Section 9-
34 03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass,
35 steel furnace slag and other recycled materials (e.g. utilization of on-site material and
36 aggregates from concrete returned to the supplier). The Contractor's report shall be provided
37 on DOT form 350-075 Recycled Materials Reporting.

38
39 **1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

40
41 **1-07.1 Laws to Be Observed**

42 *(October 1, 2005 APWA GSP)*

43
44 Supplement this section with the following:

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

3
4 The Washington State Department of Labor and Industries shall be the sole and paramount
5 administrative agency responsible for the administration of the provisions of the Washington
6 Industrial Safety and Health Act of 1973 (WISHA).

7 The Contractor shall maintain at the project site office, or other well-known place at the project
8 site, all articles necessary for providing first aid to the injured. The Contractor shall establish,
9 publish, and make known to all employees, procedures for ensuring immediate removal to a
10 hospital, or doctor's care, persons, including employees, who may have been injured on the
11 project site. Employees should not be permitted to work on the project site before the
12 Contractor has established and made known procedures for removal of injured persons to a
13 hospital or a doctor's care.
14

15 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the
16 Contractor's plant, appliances, and methods, and for any damage or injury resulting from their
17 failure, or improper maintenance, use, or operation. The Contractor shall be solely and
18 completely responsible for the conditions of the project site, including safety for all persons
19 and property in the performance of the work. This requirement shall apply continuously, and
20 not be limited to normal working hours. The required or implied duty of the Engineer to
21 conduct construction review of the Contractor's performance does not, and shall not, be
22 intended to include review and adequacy of the Contractor's safety measures in, on, or near
23 the project site.
24

25 *(August 4, 2011 R&E GSP)*

26 ***Confined Space***

27 Confined spaces are known to exist at the following locations:

28 *** All existing storm drain facilities affected by the project and all proposed storm drain
29 facilities***
30

31 The Contractor shall be fully responsible for the safety and health of all on-site workers and
32 compliant with Washington Administrative Code (WAC 296-809).
33

34 The Contractor shall prepare and implement a confined space program for each of the confined
35 spaces identified above. The Contractor's Confined Space program shall be sent to the
36 contracting agency at least 5 days prior to the Contractor beginning work in or adjacent to the
37 confined space. No work shall be performed in or adjacent to the confined space until the plan
38 is submitted to the Engineer as required. The Contractor shall communicate with the Project
39 Engineer to ensure a coordinated effort for providing and maintaining a safe worksite for both
40 the Contracting Agency's and Contractor's workers when working in or near a confined space.
41

42 All costs to prepare and implement the confined space program shall be included in the bid
43 prices for the various items associated with the confined space work.
44

1 **1-07.2 State Taxes**

2
3 Delete this section, including its sub-sections, in its entirety and replace it with the following:

4
5 **1-07.2 State Sales Tax**

6 *(June 27, 2011 APWA GSP)*

7
8 The Washington State Department of Revenue has issued special rules on the State sales tax.
9 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
10 contact the Washington State Department of Revenue for answers to questions in this area.
11 The Contracting Agency will not adjust its payment if the Contractor bases a bid on a
12 misunderstood tax liability.

13
14 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
15 amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2)
16 describes this exception.

17
18 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a
19 FHWA-funded Project) only if the Contractor has obtained from the Washington State
20 Department of Revenue a certificate showing that all contract-related taxes have been paid
21 (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor
22 any amount the Contractor may owe the Washington State Department of Revenue, whether
23 the amount owed relates to this contract or not. Any amount so deducted will be paid into the
24 proper State fund.
25

26 **1-07.2(1) State Sales Tax — Rule 171**

27
28 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,
29 roads, etc., which are owned by a municipal corporation, or political subdivision of the state,
30 or by the United States, and which are used primarily for foot or vehicular traffic. This includes
31 storm or combined sewer systems within and included as a part of the street or road drainage
32 system and power lines when such are part of the roadway lighting system. For work
33 performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in
34 the various unit bid item prices, or other contract amounts, including those that the Contractor
35 pays on the purchase of the materials, equipment, or supplies used or consumed in doing the
36 work.

37
38 **1-07.2(2) State Sales Tax — Rule 170**

39
40 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or
41 existing buildings, or other structures, upon real property. This includes, but is not limited to,
42 the construction of streets, roads, highways, etc., owned by the state of Washington; water
43 mains and their appurtenances; sanitary sewers and sewage disposal systems unless such
44 sewers and disposal systems are within, and a part of, a street or road drainage system;
45 telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above
46 streets or roads, unless such power lines become a part of a street or road lighting system; and

installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

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

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

1-07.2(3) Services

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

1-07.6 Permits and Licenses

(June 14, 2017 R&E GSP)

Section 1-07.6 is supplemented with the following:

The Contracting Agency is in the process of obtaining the below-listed permit(s) for this project. A copy of the permit(s) will be issued via addendum.

However, it is anticipated that all work between STA 0+00 to STA 1+00 must be completed by August 31, 2017. All contacts with the permitting agency concerning the below-listed permit(s) shall be through the Engineer. The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable bid items for the work involved. Copies of these permits are required to be onsite at all times.

| NAME OF DOCUMENT | PERMITTING AGENCY | PERMIT REFERENCE NO. |
|----------------------------|-------------------------------|----------------------|
| Hydraulic Project Approval | Department of Fish & Wildlife | |

1-07.15 Temporary Water Pollution/Erosion Control

(February 1, 2008 R&E GSP)

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

1 disturbed or excavated areas. The contractor shall be required to take any means necessary to
2 prevent, control and stop water pollution or erosion within the project as shown on the Plans.

4 **1-07.16 Protection and Restoration of Property**

6 **1-07.16(4) Archaeological and Historical Objects**

7 The third paragraph of Section 1-07.16(4) is deleted and replaced with the following:

9 (*****)

10 If the Contractor can demonstrate that no Work can be performed in any other area of the
11 project site, payment will be made to the Contractor, per day, for standby time required
12 due to archaeological findings.

14 *(December 6, 2004 WSDOT GSP)*

15 Section 1-07.16(4) is supplemented with the following:

17 The project area potentially contains archaeological or historical objects that may have
18 significance from a historical or scientific standpoint. To protect these objects from
19 damage or destruction, the Contracting Agency, at its discretion and expense, may monitor
20 the Contractor's operations, conduct various site testing and perform recovery and removal
21 of such objects when necessary.

23 The Contractor may be required to conduct its operations in a manner that will
24 accommodate such activities, including the reserving of portions of the work area for site
25 testing, exploratory operations and recovery and removal of such objects as directed by the
26 Engineer. If such activities are performed by consultants retained by the Contracting
27 Agency, the Contractor shall provide them adequate access to the project site.

29 Added work necessary to uncover, fence, dewater, or otherwise protect or assist in such
30 testing, exploratory operations and salvaging of the objects as ordered by the Engineer shall
31 be paid by force account as provided in Section 1-09.6. If the discovery and salvaging
32 activities require the Engineer to suspend the Contractor's work, any adjustment in time
33 will be determined by the Engineer pursuant to Section 1-08.8.

35 To provide a common basis for all bidders, the Contracting Agency has entered an amount
36 for the item "Archaeological and Historical Salvage" in the Proposal to become a part of
37 the total bid by the Contractor.

39 **1-07.16(5) Payment**

40 Section 1-07.16(5) is supplemented with the following:

42 (*****)

43 Payment for the item "Archaeological and Historical Salvage" shall be full compensation
44 for all labor, tools, equipment, materials, and subcontractor work needed to complete the
45 work as directed by the Engineer. This item shall be paid in accordance with Section 1-
46 09.6 Force Account.

1 “Standby Time Caused by Archaeological Findings”, per day.
2 The unit contract price per day for “Standby Time Caused by Archaeological Findings”
3 shall be full pay for all costs required to comply with the requirements of Section 1-
4 07.16(4) as described in the Standard Specifications and Special Provisions herein.
5

6 **1-07.17 Utilities and Similar Facilities**
7 *(April 2, 2007 WSDOT GSP)*
8

9 Section 1-07.17 is supplemented with the following:
10

11 Locations and dimensions shown in the Plans for existing facilities are in accordance with
12 available information obtained without uncovering, measuring, or other verification.
13

14 The following addresses and telephone numbers of utility companies known or suspected of
15 having facilities within the project limits are supplied for the Contractor's convenience:
16

17 Puget Sound Energy, 1660 Park Lane, Burlington, WA 98233
18 Jane Major, (360)-766-5571
19

20 Frontier Communications, 595 Pease Road, Burlington, WA 98233
21 Barb Robinson, (360) 757-7624
22

23 Comcast Cable, 400 Sequoia Drive, Bellingham, WA 98226
24 Bill Inama (360) 527-8241
25 Thomas Hall (253) 439-8955
26

27 Cascade Natural Gas, 1910 Racine Street, Bellingham, WA 98229
28 Brandon Haugnes, (360)-733-5986
29 Black Rock Cable, Inc., 3229 Northshore Rd., Bellingham, WA 98226
30 Randy Wilson, (360) 734-7930
31

32 City of Ferndale Public Works, 2095 Main Street, Ferndale, WA 98248
33 Bo Westford, (360)-384-4006
34

35 **1-07.18 Public Liability and Property Damage Insurance**
36

37 Delete this section in its entirety, and replace it with the following:
38

39 **1-07.18 Insurance**
40 *(January 4, 2016 APWA GSP)*
41

42 **1-07.18(1) General Requirements**

43 A. The Contractor shall procure and maintain the insurance described in all subsections of
44 section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of
45 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 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.
- C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The 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.
- 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.
- G. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency
- 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 days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

1-07.18(2) Additional Insured

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

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

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

6
7 For Commercial General Liability insurance coverage, the required additional insured
8 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and
9 CG 20 37 10 01 for completed operations.

10
11 **1-07.18(3) Subcontractors**

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

16
17 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in
18 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that
19 section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01
20 for ongoing operations and CG 20 37 10 01 for completed operations.

21
22 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting
23 Agency evidence of insurance and copies of the additional insured endorsements of each
24 Subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

25
26 **1-07.18(4) Verification of Coverage**

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

33
34 Verification of coverage shall include:

- 35 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
36 2. Copies of all endorsements naming Contracting Agency and all other entities listed in
37 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit
38 a copy of any blanket additional insured clause from its policies instead of a separate
39 endorsement.
40 3. Any other amendatory endorsements to show the coverage required herein.
41 4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these
42 requirements – actual endorsements must be submitted.

43
44 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting
45 Agency 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 Contract for the work.

1-07.18(5) Coverages and Limits

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

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 self-insured retention shall be the responsibility of the Contractor.

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.

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.

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

Such policy must provide the following minimum limits:

| | |
|-------------|---|
| \$1,000,000 | Each Occurrence |
| \$2,000,000 | General Aggregate |
| \$2,000,000 | Products & Completed Operations Aggregate |
| \$1,000,000 | Personal & Advertising Injury each offence |
| \$1,000,000 | Stop Gap / Employers' Liability each accident |

1-07.18(5)B Automobile Liability

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

Such policy must provide the following minimum limit:

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

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

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

4
5 **1-07.23 Public Convenience and Safety**

6
7 **1-07.23(1) Construction under Traffic**

8 *(January 2, 2012 WSDOT GSP)*
9

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

11
12 **Work Zone Clear Zone**

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

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

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

28
29 The Contractor's nonessential vehicles and employees private vehicles shall not be
30 permitted to park within the WZCZ at any time unless protected as described above.

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

33 Minimum WZCZ distances are measured from the edge of traveled way and will be
34 determined as follows:
35

| 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 |

36 * or 2-feet beyond the outside edge of sidewalk
37

Minimum Work Zone Clear Zone Distance

(August 7, 2006 WSDOT GSP)

Lane closures are subject to the following restrictions:

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

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

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

(December 8, 2008 R&E GSP)

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

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

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

Controlled Access

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

Pedestrian Access

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

Signs and Traffic Control Devices

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

Hours of Darkness

The Contractor shall, at no additional cost to the Contracting Agency, make all arrangements for operations during hours of darkness. A portable illumination system, which will adequately illuminate the entire work area shall be provided. Flagger stations and advance

1 warning signs shall be illuminated with a minimum **150-watt** floodlight and to the satisfaction
2 of the Engineer. Flares are for emergency use and are not considered a proper method of
3 illumination.
4

5 **Hour Adjustment**

6 If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer
7 may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any
8 change in the closures hours.
9

10 **Advance Notification**

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

27 The Contractor shall notify the Engineer in writing 5 working days in advance of any lane
28 closure, sidewalk closure, or both.
29

30 **Public Notification**

31 The Contractor shall notify the local fire, police, emergency service, and city engineering
32 departments; transit companies; and the affected school district(s) in writing a minimum of 5
33 working days prior to each closure. The Contractor shall furnish copies of these notifications
34 to the Engineer.
35

36 **1-07.24 Rights of Way**

37 *(July 23, 2015 APWA GSP)*
38

39 Delete this section and replace it with the following:
40

41 Street Right of Way lines, limits of easements, and limits of construction permits are
42 indicated in the Plans. The Contractor's construction activities shall be confined within these
43 limits, unless arrangements for use of private property are made.
44

45 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way
46 and easements, both permanent and temporary, necessary for carrying out the work.

1 Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's
2 attention by a duly issued Addendum.
3

4 Whenever any of the work is accomplished on or through property other than public Right of
5 Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement
6 agreement obtained by the Contracting Agency from the owner of the private property.
7 Copies of the easement agreements may be included in the Contract Provisions or made
8 available to the Contractor as soon as practical after they have been obtained by the Engineer.
9

10 Whenever easements or rights of entry have not been acquired prior to advertising, these
11 areas are so noted in the Plans. The Contractor shall not proceed with any portion of the
12 work in areas where right of way, easements or rights of entry have not been acquired until
13 the Engineer certifies to the Contractor that the right of way or easement is available or that
14 the right of entry has been received. If the Contractor is delayed due to acts of omission on
15 the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the
16 Contractor will be entitled to an extension of time. The Contractor agrees that such delay
17 shall not be a breach of contract.
18

19 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This
20 includes entry onto easements and private property where private improvements must be
21 adjusted.
22

23 The Contractor shall be responsible for providing, without expense or liability to the
24 Contracting Agency, any additional land and access thereto that the Contractor may desire
25 for temporary construction facilities, storage of materials, or other Contractor needs.
26 However, before using any private property, whether adjoining the work or not, the
27 Contractor shall file with the Engineer a written permission of the private property owner,
28 and, upon vacating the premises, a written release from the property owner of each property
29 disturbed or otherwise interfered with by reasons of construction pursued under this contract.
30 The statement shall be signed by the private property owner, or proper authority acting for
31 the owner of the private property affected, stating that permission has been granted to use the
32 property and all necessary permits have been obtained or, in the case of a release, that the
33 restoration of the property has been satisfactorily accomplished. The statement shall include
34 the parcel number, address, and date of signature. Written releases must be filed with the
35 Engineer before the Completion Date will be established.
36

37 **1-07.26 Personal Liability of Public Officers**
38 *(February 1, 2008 R&E GSP)*
39

40 Section 1-07.26 is revised to read:
41

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

1 **1-08 PROSECUTION AND PROGRESS**

2
3 Add the following new section:

4
5 **1-08.0 Preliminary Matters**

6 *(May 25, 2006 APWA GSP)*

7
8 Add the following new section:

9
10 **1-08.0(1) Preconstruction Conference**

11 *(October 10, 2008 APWA GSP)*

12
13 Prior to the Contractor beginning the work, a preconstruction conference will be held between
14 the Contractor, the Engineer and such other interested parties as may be invited. The purpose
15 of the preconstruction conference will be:

- 16 1. To review the initial progress schedule;
17 2. To establish a working understanding among the various parties associated or
18 affected by the work;
19 3. To establish and review procedures for progress payment, notifications, approvals,
20 submittals, etc.;
21 4. To establish normal working hours for the work;
22 5. To review safety standards and traffic control; and
23 6. To discuss such other related items as may be pertinent to the work.
24

25 The Contractor shall prepare and submit at the preconstruction conference the following:

- 26 1. A breakdown of all lump sum items;
27 2. A preliminary schedule of working drawing submittals; and
28 3. A list of material sources for approval if applicable.
29

30 Add the following new section:

31
32 **1-08.0(2) Hours of Work**

33 *(December 8, 2014 APWA GSP)*

34
35 Except in the case of emergency or unless otherwise approved by the Engineer, the normal
36 working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and
37 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires
38 different than the normal working hours stated above, the request must be submitted in
39 writing prior to the preconstruction conference, subject to the provisions below. The
40 working hours for the Contract shall be established at or prior to the preconstruction
41 conference.
42

43 All working hours and days are also subject to local permit and ordinance conditions (such as
44 noise ordinances).
45

46 If the Contractor wishes to deviate from the established working hours, the Contractor shall
47 submit a written request to the Engineer for consideration. This request shall state what

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.

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

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

1-08.1 Subcontracting

Section 1-08.1 is supplemented with the following:

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

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

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

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.

1 **1-08.3(2)A Type A Progress Schedule**
2 *(March 13, 2012 APWA GSP)*

3
4 Revise this section to read:

5
6 The Contractor shall submit ~~\$\$\$~~ copies of a Type A Progress Schedule no later than at the
7 preconstruction conference, or some other mutually agreed upon submittal time. The schedule
8 may be a critical path method (CPM) schedule, bar chart, or other standard schedule format.
9 Regardless of which format used, the schedule shall identify the critical path. The Engineer
10 will evaluate the Type A Progress Schedule and approve or return the schedule for corrections
11 within 15 calendar days of receiving the submittal.
12

13 **1-08.4 Prosecution of Work**

14
15 Delete this section in its entirety, and replace it with the following:
16

17 **1-08.4 Prosecution of Work**

18
19 Delete this section and replace it with the following:
20

21 **1-08.4 Notice to Proceed and Prosecution of Work**
22 *(July 23, 2015 APWA GSP)*
23

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

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

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

43 Section 1-08.4 is supplemented with the following:
44

45 **Project Meetings**

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

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

4 **Progress Meetings**

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

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

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

25 **Coordination Meetings**

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

31 **Additional Meetings**

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

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

39 **1-08.5 Time for Completion**

40 *(March 13, 1995 WSDOT GSP)*
41

42 Section 1-08.5 is supplemented with the following:
43

44 This project shall be physically completed within **50** working days.

1 **1-08.5 Time for Completion**
2 *(September 12, 2016 APWA GSP, Option A)*

3
4 Revise the third and fourth paragraphs to read:

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

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

23
24 Revise the sixth paragraph to read:

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

- 29 1. The physical work on the project must be complete; and
30 2. The Contractor must furnish all documentation required by the contract and required
31 by law, to allow the Contracting Agency to process final acceptance of the contract.

32 The following documents must be received by the Project Engineer prior to
33 establishing a completion date:

- 34 a. Certified Payrolls (per Section 1-07.9(5)).
35 b. Material Acceptance Certification Documents
36 c. Monthly Reports of Amounts Credited as DBE Participation, as required by
37 the Contract Provisions.
38 d. Final Contract Voucher Certification
39 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the
40 Contractor and all Subcontractors
41 f. Property owner releases per Section 1-07.24
42

1 **1-08.7 Maintenance during Suspension**

2 *(October 1, 2005 APWA GSP)*

3
4 Revise the second paragraph to read:

5
6 At no expense to the Contracting Agency, the Contractor shall provide through the construction
7 area a safe, smooth, and unobstructed roadway, sidewalk, and path for public use during
8 suspension (as required in Section 1-07.23 or the Special Provisions). This may include a
9 temporary road or detour.

10
11 **1-08.9 Liquidated Damages**

12 *(August 14, 2013 APWA GSP)*

13
14 Revise the fourth paragraph to read:

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

26
27 **1-09 MEASUREMENT AND PAYMENT**

28
29 **1-09.2 Weighing Equipment**

30
31 **1-09.2(1) General Requirements for Weighing Equipment**

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

33
34 Section 1-09.2(1) is supplemented with the following:

35
36 Truck certified weight tickets must be machine-printed with gross, tare and net weights.
37 Additional information required on each weight ticket: Truck Number, Driver's Name, Date,
38 Load Time and Date, Load Site, Unload Time and Date, Unload Site. No handwritten weight
39 tickets will be accepted.

40
41 At the Engineer's request, the Contractor shall provide the Engineer with a list of hauling
42 vehicles and the licensed legal or permitted gross weight for each vehicle.

43
44 **1-09.6 Force Account**

45 *(October 10, 2008 APWA GSP)*

46
47 Supplement this section with the following:

1 The Contracting Agency has estimated and included in the Proposal, dollar amounts for all
2 items to be paid per force account, only to provide a common proposal for Bidders. All such
3 dollar amounts are to become a part of Contractor's total bid. However, the Contracting
4 Agency does not warrant expressly or by implication, that the actual amount of work will
5 correspond with those estimates. Payment will be made on the basis of the amount of work
6 actually authorized by Engineer.

7
8 *(February 1, 2008 R&E GSP)*

9 Section 1-09.6 is supplemented with the following:

10
11 No claim for force account shall be allowed except upon written order by the Engineer prior
12 to the performance of the work. The Contractor shall submit the required force account
13 documentation to the Engineer on a daily basis unless agreed otherwise. The Contractor and
14 the Engineer shall review all work or material to be paid for under force account on a daily
15 basis unless agreed otherwise. The Contractor may propose corrections to the force account
16 quantities and shall supply supporting documentation to the Engineer within 2 working days,
17 unless agreed otherwise, of having reviewed the force account quantities with the Engineer.

18
19 **1-09.9 Payments**

20 *(March 13, 2012 APWA GSP)*

21
22 Supplement this section with the following:

23
24 Lump sum item breakdowns are not required when the bid price for the lump sum item is less
25 than \$20,000.

26
27 *(March 13, 2012 APWA GSP)*

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

29
30 The basis of payment will be the actual quantities of Work performed according to the Contract
31 and as specified for payment.

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

39
40 Progress payments for completed work and material on hand will be based upon progress
41 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
42 preconstruction conference.

43
44 The initial progress estimate will be made not later than 30 days after the Contractor
45 commences the work, and successive progress estimates will be made every month thereafter
46 until the Completion Date. Progress estimates made during progress of the work are tentative,

1 and made only for the purpose of determining progress payments. The progress estimates are
2 subject to change at any time prior to the calculation of the final payment.

3
4 The value of the progress estimate will be the sum of the following:

- 5 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work
6 completed multiplied by the unit price.
- 7 2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum
8 breakdown for that item, or absent such a breakdown, based on the Engineer's
9 determination.
- 10 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or
11 other storage area approved by the Engineer.
- 12 4. Change Orders — entitlement for approved extra cost or completed extra work as
13 determined by the Engineer.

14
15 Progress payments will be made in accordance with the progress estimate less:

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

20
21 Progress payments for work performed shall not be evidence of acceptable performance or an
22 admission by the Contracting Agency that any work has been satisfactorily completed. The
23 determination of payments under the contract will be final in accordance with Section 1-05.1.

24
25 **1-09.11(3) Time Limitation and Jurisdiction**

26 *(July 23, 2015 APWA GSP)*

27
28 Delete this section and replace it with the following:

29
30 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
31 claims or causes of action which the Contractor has against the Contracting Agency arising
32 from the Contract shall be brought within 180 calendar days from the date of final acceptance
33 (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any
34 such claims or causes of action shall be brought only in the Superior Court of the county
35 where the Contracting Agency headquarters is located, provided that where an action is
36 asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties
37 understand and agree that the Contractor's failure to bring suit within the time period
38 provided, shall be a complete bar to any such claims or causes of action. It is further
39 mutually agreed by the parties that when any claims or causes of action which the Contractor
40 asserts against the Contracting Agency arising from the Contract are filed with the
41 Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency
42 to have timely access to any records deemed necessary by the Contracting Agency to assist in
43 evaluating the claims or action.

1 **1-09.13 Claims Resolution**

2
3 **1-09.13(3)A Administration of Arbitration**

4 *(October 1, 2005 APWA GSP)*

5
6 Revise the third paragraph to read:

7
8 The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
9 arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the
10 Superior Court of the county in which the Contracting Agency's headquarters are located. The
11 decision of the arbitrator and the specific basis for the decision shall be in writing. The
12 arbitrator shall use the contract as a basis for decisions.

13
14 **1-10 TEMPORARY TRAFFIC CONTROL**

15
16 **1-10.1 General**

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

18 Section 1-10.1 is supplemented with the following:

19
20 During grading operations, the elevation difference between the portion of the traveled way
21 open to traffic and the adjoining portion of roadway shall be tapered at 10:1 or greater to allow
22 cross traffic.

23
24 In addition, for any modifications to the access provisions, the Contractor shall furnish
25 satisfactory documentation that the affected property owners concur with the proposed change.
26 The Contractor shall be responsible to coordinate with and make the necessary arrangements
27 to accommodate the access requirements of the affected property owners and the public
28 services.

29
30 If a modification to traffic control is deemed necessary by the Engineer, the contractor shall
31 immediately implement any requested modification(s). The need for flashing warning lights
32 shall be as determined by the Engineer. The cost of modifications to the traffic control plans
33 as directed by the Engineer shall be considered incidental to the Contract.

34
35 The Contractor shall determine and place signs in accordance with the Manual on Uniform
36 Traffic Control Devices (MUTCD) and the Plans. A traffic control plan shall be submitted to
37 the Engineer for review and approval prior to the beginning of construction.

38
39 **1-10.2 Traffic Control Management**

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

41
42 Section 1-10.2 is supplemented with the following:

43
44 Before beginning work on the project, the Contractor shall designate a Traffic Control
45 Supervisor. The Contractor shall provide the Engineer with a list of names and phone numbers
46 of not more than six supervisory employees that may be called for traffic control, as needed,
47 during working or non-working hours. The Contractor shall have at least one of these

employees available at any time.

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

1-10.2(1) General

(December 1, 2008 WSDOT GSP)

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

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

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

Evergreen Safety Council
401 Pontius Ave. N.
Seattle, WA 98109
1-800-521-0778 or
(206) 382-4090

The American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, Virginia 22406-1022
Training Dept. Toll Free (877) 642-4637
Phone: (540) 368-1701

1-10.2(2) Traffic Control Plans

(December 1, 2016 R&E GSP)

Section 1-10.2(2) is supplemented with the following:

The Work Zone Traffic Control Plans (TC-1 – TC-18) WSDOT Standard Plans are included in the contract documents as an appendix. These standard plans and the Traffic Control Plans included in the Contract Documents shall be considered as the project TCP's. The contractor may choose to submit alternate TCP's for approval as outlined in this section.

Any modifications to existing plans or new traffic plans shall be submitted to the Engineer for review and approval a minimum of five (5) working days prior to institution of the plan.

1 **1-10.3 Traffic Control Labor, Procedures and Devices**

2
3 **1-10.3(3) Traffic Control Devices**

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

5
6 Section 1-10.3 is supplemented with the following:

7
8 As may be indicated in the Signing Plan or Traffic Control Plan, the Contractor may be
9 required to install signs, warning lights, or both, on barricades.

10
11 **1-10.4 Measurement**

12 *(August 2, 2004 WSDOT GSP)*

13
14 ***Lump Sum Bid for Project (No Unit Items)***

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

16
17 The proposal contains the item “Project Temporary Traffic Control,” lump sum. The
18 provisions of Section 1-10.4(1) shall apply.
19

DIVISION 2
EARTHWORK

2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

2-01.1 Description

(February 4, 2008 R&E GSP)

Section 2-01.1 is supplemented with the following:

This item also includes any clearing and grubbing necessary for the construction of driveways, storm drain system, and the reconstruction of intersecting roads shown on the plans.

Clearing and Grubbing work includes removal and disposal of topsoil to a depth of 6-inches and trees as shown on the plans. In addition to natural materials, clearing and grubbing shall also include removing and disposing of all refuse and any remaining structures, obstructions, trees and/or tree stumps within the right-of-way excluding contiguous pavement or structures identified under "Removal of Structures and Obstructions", as directed by the Engineer.

2-01.2 Disposal of Useable Material and Debris

(February 4, 2008 R&E GSP)

Section 2-01.2 is supplemented with the following:

Unless otherwise provided in the specifications, all material removed under this item shall become the property of the Contractor.

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

(February 4, 2008 R&E GSP)

Section 2-01.2(1) is supplemented with the following:

Disposal method No. 1 shall not be permitted within the project limits.

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

(March 17, 2010 R&E GSP)

Section 2-01.2(3) is supplemented with the following:

Revise the fourth sentence to read:

"All chips shall become the property of the Contractor and shall be removed".

1 **2-01.3 Construction Requirements**

2
3 **2-01.3(1) Clearing**

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

5
6 Section 2-01.3(1) is supplemented with the following:

- 7
8 8. The Contractor shall clear all areas staked and flagged by the Engineer prior to the
9 placement of cut/fill stakes, offset stakes or grade hubs.
10 9. Tree trimming shall be sequenced so that overhanging limbs are removed prior to
11 commencing construction activities. Construction activities include equipment staging,
12 materials storage, and worker-vehicle parking.
13 10. When tree roots are encountered during construction activities, the Contractor shall
14 carefully expose all roots greater than 1 inch diameter, either by hand or gently with the
15 machine bucket, and then cut cleanly with lopper or saw. Pulling and wrenching of the
16 roots shall not be allowed.

17
18 **2-01.3(2) Grubbing**

19
20 Section 2-01.3(2) is supplemented with the following:

- 21
22 f. Stumps shall be removed except where doing so would damage water, sewer lines or other
23 utilities. Voids left by stump removal shall be backfilled with a granular material and
24 compacted in accordance with Section 2-03.3(14)C. Unless otherwise noted, all materials
25 removed shall become the property of the Contractor and shall be disposed of outside the
26 project limits.
27 g. If equipment outriggers are placed between the proposed sidewalk and the trees, the
28 Contractor shall place plywood or large wood chips to spread out the weight of the
29 outriggers.

30
31 **2-01.5 Payment**

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

33
34 Section 2-01.5 is supplemented with the following:

35
36 “Clearing and Grubbing,” lump sum. No additional payment shall be made for haul. Any
37 other clearing and grubbing not specifically identified as being paid for elsewhere will be
38 considered incidental to this bid item and no other payment shall be made.

39
40 **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

41
42 **2-02.1 Description**

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

44
45 Section 2-02.1 is supplemented with the following:

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

2-02.3 Construction Requirements

(February 4, 2008 R&E GSP)

Section 2-02.3 is supplemented with the following:

Utility Removal

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

Use of Explosives

Explosives shall not be used in the demolition.

2-02.3(2) Removal of Bridges, Box Culverts, and other Drainage Structures

(August 4, 2009 R&E GSP)

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

Removal of Drainage Structures

Where shown in the Plans, or at other locations as determined by the Engineer, the Contractor shall remove storm sewer pipe regardless of the size or type. Storm sewer pipe shall be removed in its entirety.

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

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

2-02.5 Payment

(February 4, 2008 R&E GSP)

Section 2-02.5 is supplemented with the following:

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

1 **2-04 HAUL**

2
3 **2-04.4 Measurement**

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

5
6 Section 2-04.4 is revised to read:

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

10
11 **2-04.5 Payment**

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

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

15
16 **2-07 WATERING**

17
18 **2-07.4 Measurement**

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

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

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

28
29 **2-09 STRUCTURE EXCAVATION**

30
31 **2-09.3 Construction Requirements**

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

36
37 **2-09.3(4) Construction Requirements, Structure Excavation, Class B**

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

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

43
44 **2-09.4 Measurement**

45 *(June 9, 2017 R&E GSP)*

46
47 Section 2-09.4 is supplemented with the following:

1 Cofferdam Construction– No specific unit of measurement shall apply to the lump
2 sum item of cofferdam construction. The design, supply, fabrication, installation,
3 maintenance and removal of cofferdams will be paid for on a lump sum basis, and no
4 separate measurement will be made for this Work.
5

6 **2-09.5 Payment**

7 *(June 9, 2017 R&E GSP)*
8

9 Section 2-09.5 is supplemented with the following:
10

11 “Cofferdam Construction”, lump sum.

12 The design, supply, fabrication, installation, maintenance and removal of cofferdams will be
13 paid for at the lump sum Contract price “Cofferdam Construction”, measured as specified
14 herein, which price will be payment in full for performing all operations herein described
15 and all other items incidental to the Work.

1 **DIVISION 4**

2 **BASES**

3
4 **4-02 GRAVEL BASE**

5
6 **4-02.2 Materials**

7 (February 5, 2008 R&E GSP)

8 Section 4-02.2 is supplemented with the following:

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

12
13 **4-02.4 Measurement**

14 (January 31, 2011 R&E GSP)

15 The first paragraph of Section 4-02.4 is revised to read:

16
17 “Gravel Base” shall be measured by the ton and shall include haul.

18
19 **4-02.5 Payment**

20 (February 5, 2008 R&E GSP)

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

22
23 “Gravel Base,” per ton.

24
25 Proof rolling of material at the direction of the Engineer will be considered incidental to this
26 bid item.

27
28 **4-04 BALLAST AND CRUSHED SURFACING**

29
30 **4-04.4 Measurement**

31 (February 5, 2008 R&E GSP)

32 Section 4-04.4, the second paragraph is revised to read:

33
34 “Crushed Surfacing Top Course,” shall be measured by the ton and shall include haul.

35
36 **4-04.5 Payment**

37 (February 5, 2008 R&E GSP)

38 Section 4-04.5, the second paragraph is revised to read:

39
40 “Crushed Surfacing Top Course,” per ton.

1 **DIVISION 7**

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

4
5 **7-04 STORM SEWERS**

6
7 **7-04.1 Description**

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

10 Section 7-04.1 is supplemented with the following:

11
12 The soils on the site may be considered suitable for trench backfill beneath the roadbed prism.
13 Native materials may be used for trench backfill within the roadway prism with approval from
14 or at the direction of the Engineer.
15

16 **7-04.2 Materials**

17 Section 8-20.2 is supplemented with the following:

18 *(June 9, 2017 R&E GSP)*
19

20 ***Contracting Agency-Supplied Materials***

21 The Contracting Agency will supply the following materials, used between approx. STA 0+48
22 to SDCB D1, for the storm sewer main:

| <u>Description</u> | <u>Quantity</u> |
|--|-----------------|
| Corrugated Polyethylene Storm Sewer Pipe, 60" Diam. | 60 LF |
| 60" Tideflex Checkmate Ultraflex Slip-In, In-Line Check Valve | 1 ea. |

23
24
25
26
27
28
29
30
31 The Contractor shall notify the Engineer three working days in advance of the date
32 Contracting Agency-supplied materials are required.

33
34 Contracting Agency-supplied materials will be available for pick up, dimensional verification
35 during normal working hours from the City of Ferndale Wastewater Treatment Plant located
36 at:

37
38 5389 Ferndale Road,
39 Ferndale, WA 98248
40

41 **7-04.3(1) Cleaning and Testing**

42
43 **7-04.3(1)A General**

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

45
46 Storm Drain Pipe shall be tested visually for alignment with full circle visibility required

1 between drainage structures. Storm drain structures shall be cleaned of sediment and debris
2 prior to final acceptance.
3

4 **7-04.4 Measurement**

5 Section 7-04.4 is supplemented with the following:
6

7 Measurement for the various bid items for Storm Sewer pipe as indicated in the bid proposal
8 form, shall be per linear foot. The following items shall be incidental and included in the unit
9 price per linear foot:
10

- 11 1. Structure Excavation Class B
 - 12 2. Dewatering if required
 - 13 3. Pipe bedding as shown on the Plans
 - 14 4. Compaction
 - 15 5. Installation of storm sewer pipe
 - 16 6. Coupling bands, fittings, and associated gaskets
 - 17 7. Cleaning
 - 18 8. Connection to existing storm drains, culverts, and structures
 - 19 9. Other work and materials, not specifically identified as being paid elsewhere
 - 20 10. Bevel of pipe ends if applicable
- 21

22 *(June 9, 2017 R&E GSP)*
23

24 Contracting Agency Supplied Checkmate Inline Check Valve will be measured by the unit per
25 each.
26

27 Pipeline Screw Anchors will be measured per each for each pipeline screw anchor installed
28 and accepted.
29

30 Streambed Sediment and Streambed Cobbles shall not be measured and shall be considered
31 incidental to the various bid items.
32

33 **7-04.5 Payment**

34 Section 7-04.5 is supplemented with the following:
35

36 The unit contract price per linear foot for the various bid items for Storm Sewer pipe as
37 indicated in the bid proposal form, shall be full compensation for all labor, material, tools and
38 equipment required to complete the Bid Items in accordance with Section 1-04.1.
39

40 *(June 9, 2017 R&E GSP)*
41

42 “Contracting Agency Supplied Corrugated Polyethylene Storm Sewer Pipe ____ In. Diam.”,
43 per linear foot.

44 The unit contract price per linear foot for storm sewer pipe of the kind and size specified
45 shall be full compensation for loading the storm pipe from the City site and delivering
46 to the project site, all labor, material, tools and equipment required to complete the Bid Items
47 in accordance with Section 1-04.1.

1
2 “Contracting Agency Supplied Checkmate Inline Check Valve”, per each.

3 The unit Contract price per each for “Contracting Agency Supplied Checkmate Inline Check
4 Valve” shall be full pay for loading the check valve from the City site and delivering to the
5 project site, installing the inline check valve, including adjusting the check valve within the
6 storm sewer, verifying the inside diameter of the storm sewer section is neither rough or
7 damaged, assuring the storm sewer pipe I.D. is a consistent diameter for the length of valve
8 and not be out of round, and providing bolts and bolting the check valve to the pipe.
9

10 “Pipeline Screw Anchor” , per each

11 All costs in connection with furnishing and installing pipeline screw anchor shall be
12 included in the unit Contract price per each for “Pipeline Screw Anchor” .
13

14 **7-05 MANHOLES, INLETS, AND CATCH BASINS**

15 **7-05.1 Description**

16 Section 7-05.1 is supplemented with the following:
17
18

19 This item also includes frames and grates in designated areas. Thru-curb inlet frame and grate
20 shall be used at locations with 6 inch high cement concrete traffic curb and gutter as noted on
21 the Plans. The adjusting of any new storm drain catch basin frame, manhole ring and cover,
22 for the purpose of matching new finish grades shall be incidental to the cost of installation.
23 Existing manholes, inlets, and catchbasins within the Project boundary which are nearest to
24 the point of connection into the storm drain system and other manholes, inlets, and catchbasins
25 which are impacted by construction activities will be cleaned by the Contractor. This work is
26 incidental to the various bid items in this Section.
27

28 **7-05.2 Materials**

29 Section 7-05.3 is supplemented with the following:
30
31

32 **Sewer Manhole Covers**

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

37 *(June 9, 2017 R&E GSP)*
38

39 ***Contracting Agency-Supplied Materials***

40 The Contracting Agency will supply the following materials for the storm sewer main:
41

| 42 <u>Description</u> | 43 <u>Quantity</u> |
|--|--------------------|
| 44 Catch Basin Type 2, 96 In. Diam., (SDCB D1) | 45 1 ea. |

1 The Contractor shall notify the Engineer three working days in advance of the date
2 Contracting Agency-supplied materials are required.

3
4 Contracting Agency-supplied materials will be delivered to the project site by the supplier
5 (Granite Precast).

6
7 **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

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

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

11
12 Where shown in the Plans or where directed by the Engineer, the existing manholes, catch
13 basins, inlets, water valve boxes, or water meter boxes shall be adjusted to the grade as staked
14 or otherwise designated by the Engineer.

15
16 **7-05.4 Measurement**

17 *(July 12, 2010 R&E GSP)*
18

19 Section 7-05.4 is supplemented with the following:

20
21 Measurement for the various inlets, manholes, vaults, and catch basins as indicated in the Bid
22 Proposal, shall be per each. The following items shall be incidental and included in the unit
23 price per each:

- 24
25 1. Structure Excavation Class B
26 2. Dewatering if required
27 3. Gaskets, fittings, inlets, frames and grates
28 4. Bedding
29 5. Compaction
30 6. Connection to existing culverts, structures and drain lines
31 7. Other work and materials, not specifically identified as being paid elsewhere
32 8. Temporary pumping and transportation of sewer flows, including pumps and trucks
33

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

35
36 *(June 9, 2017 R&E GSP)*
37

38 "Contracting Agency Supplied Catch Basin Type 2, 96 In. Diam.", will be measured by the
39 unit per each.

40
41 **7-05.5 Payment**

42 *(July 12, 2010 R&E GSP)*
43

44 Section 7-05.5 is supplemented with the following:

45
46 "Adjustments to Finished Grade", lump sum.

47 The lump sum price for "Adjustments to Finished Grade" as indicated in the Bid Proposal

Form shall be full compensation for all labor, tools, equipment, and materials necessary to adjust existing structures to finished grades within the project limits.

(June 9, 2017 R&E GSP)

“Contracting Agency Supplied Catch Basin Type 2, ___ In. Diam.”, per each.
All costs associated with furnishing and installing gravel backfill for bedding catch basins and for unloading the catch basin at the project site shall be included in the unit Contract price for the item installed.

7-08 GENERAL PIPE INSTALLATION REQUIREMENTS

7-08.2 Materials

Section 7-08.2 is supplemented with the following:

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

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

7-08.3 Construction Requirements

Section 7-08.3 is supplemented by the following:

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

7-08.3(2)G Jointing of Dissimilar Pipe

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

Existing storm drains shall be jointed to proposed 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

1 Contractor at no expense to the Contracting Agency. The Contractor shall determine the exact
2 length of the existing storm drains that must be removed.
3

4 **7-08.5 Payment**

5 The fifth paragraph of this section is revised to read:
6

7 Plugging pipes shall be incidental to “Removal of Structures and Obstructions.”
8

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

10 Section 7-08.5 is supplemented with the following:
11

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

13 The unit contract price per cubic yard for “Removal of Unsuitable Material Including Haul”
14 shall be full pay for all work to remove unsuitable material, haul and disposal of unsuitable
15 material, as specified in Section 7-08.3(1)A.
16

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

1 **DIVISION 8**

2 **MISCELLANEOUS CONSTRUCTION**

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

5
6 **8-01.1 Description**

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

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

9
10 Furnish all labor, materials and equipment necessary for installation seed, fertilizer, mulch,
11 binding agents, including but not limited to the preparation of the ground surface, application
12 of fertilizer, installation of seed, and chemicals as necessary in areas shown on the plans or as
13 directed by the Engineer in accordance with these specifications. The extent and location of
14 seeding work includes all areas in this project , except new plant beds and paved areas, which
15 are disturbed by construction, grading, pavement removal, utility installation and any other of
16 the Contractor's operations or as directed by the Engineer in accordance with these
17 specifications.

18
19 **8-01.3 Construction Requirements**

20
21 **8-01.3(1) General**

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

23
24 The Contractor shall install orange silt fence along the site preservation lines shown in the
25 Plans or as instructed by the Engineer.

26
27 **Wetland and Sensitive Area Protection**

28 The Engineer will designate the vegetation to be saved and protected by a site preservation
29 line, high visibility fencing, or individual flagging.

30
31 Existing wetland and other environmentally sensitive areas, where shown in the Plans or
32 designated by the Engineer, shall be saved and protected through the life of the Contract. When
33 applicable, a site preservation line has been established as a boundary between work zones and
34 sensitive environmental areas. This is especially important due to the proximity of the existing
35 sensitive environmental areas (e.g., wetlands, streams and buffers on site).

36
37 The Contractor shall install high visibility fence as shown in the Plans or designated by the
38 Engineer in accordance with this section. The areas to be protected include critical
39 environmental areas, buffer zones, and other areas of vegetation to be preserved. The
40 Contractor shall keep areas identified by the site preservation lines free of construction
41 equipment, construction materials, debris, and runoff. No access, to include but not limited to
42 excavation, clearing, staging, or stockpiling shall be performed inside the protected area.

43
44 **8-01.3(2) Seeding, Fertilizing, and Mulching**

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

46
47 Section 8-01.3(2) is supplemented with the following:

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

8
9 "Seeding, Fertilizing, and Mulching" will be paid in the areas shown on the Plans. This will
10 generally consist of areas of the access road slope where no established lawns or landscaping
11 currently exist. "Seeding, Fertilizing, and Mulching" shall be placed on all exposed soils
12 along the access road slopes or any area directed by Engineer. "Seeding, Fertilizing, and
13 Mulching" shall also be placed on all fill and cut areas outside roadway surface width, within
14 the project limits and as shown on the Plans.

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

30
31 The dates for seeding outlined in Section 8-01.3(2)F of the Standard Specifications will be
32 considered guidelines rather than requirements for this item. The Contractor shall use
33 professional judgment and consider factors such as weather and soil moisture to obtain
34 satisfactory germination.

35
36 Immediately after hydroseeding, the Contractor shall remove hydroseed overspray from all
37 features other than the intended seeding area.

38 **Binding Agents**

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

40
41 *(June 14, 2017 R&E GSP)*

42
43 Wetland seed mix shall be placed in the disturbed wetland areas shown on the Plans.
44
45
46

1 **8-01.3(2)D Mulching**
2 *(March 18, 2010 R&E GSP)*

3
4 Section 8-01.3(2)D is supplemented with the following:
5

6 Wood Cellulose mulch shall be applied at a rate of 2,000 pounds per acre. To improve
7 germination of seeds, this rate may be increased with approval by the Engineer.
8

9 **8-01.4 Measurement**
10 *(March 18, 2010, 2008 R&E GSP)*

11 Section 8-01.4 is supplemented with the following:
12

13 Seeding, fertilizing, liming, mulching, mowing, and tackifier will be measured by the square
14 yard by ground slope measurement or through the use of design data.
15

16 No separate measurement will be made for topsoil, fertilizer, mulch, soil amendments,
17 binding agents, or water where applied for "Seeding, Fertilizing, and Mulching".
18

19 No specific unit of measure shall apply to the lump sum item "ESC Lead."
20

21 **8-01.5 Payment**
22 *(March 18, 2010 R&E GSP)*

23 Section 8-01.5 is supplemented with the following:
24

25 The first item, "ESC Lead", is revised to read:
26

27 "ESC Lead", lump sum.
28

29 The sixth item, "Inlet Protection" of Section 8-01.5 is revised to read:
30

31 "Inlet Protection", per each. The unit contract price per each for inlet protection shall include
32 all costs for removal and disposal of accumulated debris, inlet protection maintenance, and
33 inlet protection removal and disposal.
34

35 The eighth item, "Stabilized Construction Entrance" of Section 8-01.5 is revised to read:
36

37 "Stabilized Construction Entrance", per square yard. The unit contract price per square yard
38 for stabilized construction entrance shall include all costs associated with constructing,
39 operating, maintaining, and removing the stabilized construction entrance.
40

41 The eleventh and twelfth item, "Silt Fence" and "High Visibility Silt Fence" of Section 8-01.5
42 is revised to read:
43

44 "Silt Fence" and "High Visibility Silt Fence" per linear foot. The unit contract price per liner
45 foot for silt fence and high visibility silt fence shall include all costs for removal and disposal
46 of accumulated debris, silt fence maintenance, and silt fence removal and disposal.
47

48 The unit contract price per square yard for "Seeding, Fertilizing, and Mulching" shall be full
49 compensation for all labor, materials (topsoil, fertilizer, mulch, soil amendments, binding

agents), and water, tools and equipment necessary to perform the work as specified herein. All other items in this Section, not specified on the Bid Proposal form shall be included in the cost of "Seeding, Fertilizing, and Mulching ". The unit price shall be full compensation for multiple applications in areas required by the Engineer as the work progresses

The following new Section is created:

8-30 POTHOLE EXISTING UNDERGROUND UTILITY

8-30.1 Description

When directed by the Engineer or shown on the Plans, this work shall consist of potholing existing underground utilities. The Contractor shall perform utility investigations or coordinate with utility companies as required. At the direction of the Engineer, the Contractor shall perform exploratory excavations or provide hand potholing as required to collect as-built utility information. The Contractor shall verify the depth and location of existing underground 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) working days, prior to conducting such investigations.

8-30.4 Measurement

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

8-30.5 Payment

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

"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.

The following new Section is created:

8-31 REPAIR EXISTING PUBLIC AND PRIVATE FACILITIES

8-31.1 Description

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.

8-31.3 Construction Requirements

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.

1 The Contractor and the Contracting Agencies' representative or Engineer shall reconcile the
2 hours of work for labor and equipment on a daily basis for the purpose of tracking all work
3 under this item. The Contractor shall supply the Engineer with material invoices for all
4 materials incorporated into this work in a timely manner. Invoices shall be original or copies
5 of original invoices from the material supplier.
6

7 **8-31.4 Measurement**

8

9 Work performed under the item "Repair Existing Public and Private Facilities" shall be
10 measured in accordance with Section 1-09.6 Force Account.
11

12 **8-31.5 Payment**

13

14 Payment for the item "Repair Existing Public and Private Facilities" shall be full compensation
15 for all labor, tools, equipment, materials and subcontractor work needed to complete individual
16 items of work as directed by the engineer. This item shall be paid in accordance with Section
17 1-09.6 Force Account.
18

19 **8-32 UNANTICIPATED SITE WORK**

20

21 **8-32.1 Description**

22

23 Unanticipated site work shall be performed at locations designated by the Engineer, and at
24 locations proposed by the Contractor and approved by the Engineer.
25

26 **8-32.3 Construction Requirements**

27

28 The Contractor and the Contracting Agencies' representative or Engineer shall reconcile the
29 hours of work for labor and equipment on a daily basis for the purpose of tracking all work
30 under this item. The Contractor shall supply the Engineer with material invoices for all
31 materials incorporated into this work in a timely manner. Invoices shall be original or copies
32 of original invoices from the material supplier.
33

34 **8-32.4 Measurement**

35

36 Work performed under the item "Unanticipated Site Work" shall be measured in accordance
37 with Section 1-09.6 Force Account.

38 **8-32.5 Payment**

39

40 Payment will be made in accordance with Section 1-04.1, for the following bid item:
41 "Unanticipated Site Work," by force account as provided in Section 1-09.6. To provide a
42 common proposal for all bidders, the Contracting Agency has entered an amount in the
43 proposal to become a part of the Contractor's total bid.
44

DIVISION 9
MATERIALS

9-03 AGGREGATES

9-03.10 Aggregate for Gravel Base
(December 28, 2009 R&E GSP)

Section 9-03.10 is revised to read:

Gravel base shall consist of granular material, either naturally occurring or processed. It shall be essentially free from various types of wood waste or other extraneous or objectionable materials. It shall have such characteristics of size and shape that it will compact readily and the maximum particle size shall not exceed ½ of the depth of the layer being placed.

Gravel base shall meet the following requirements for grading and quality when placed in hauling vehicles for delivery to the roadway or during manufacture and placement into a temporary stockpile. The exact point of acceptance will be determined by the Engineer.

| <u>Sieve Size</u> | <u>Percent Passing</u> |
|-------------------|------------------------|
| 4" square | 100 |
| 1-1/2" square | 70-100 |
| 1/2" square | 35-80 |
| U.S. No. 4 | 15-50 |
| U.S. No. 40 | 20 max |
| U.S. No. 200 | 5.0 max |

Sand Equivalent shall be 40 min.

All percentages are by weight.

Gravel base material retained on a No. 4 sieve shall contain not more than 0.20 percent by weight of wood waste.

9-03.11 Streambed Aggregates

(March 19, 2012 R&E GSP)

Section 9-03.11 is supplemented with the following:

“Streambed Sediment” and “Streambed Cobbles” shall conform to the following gradings and mix proportions:

| Streambed Aggregate | Percent by Mass |
|---|-----------------|
| 9-03.11(1) Streambed Sediment | 50 |
| 9-03.11(2) Streambed Cobbles (6" Cobbles) | 50 |

The grading of the Cobbles shall be approved by the Engineer or WDFW representative by

visual inspection of the load before it is mixed. The Streambed Aggregates shall also be approved by the Engineer or WDFW representative prior to placement of material.

9-14 EROSION CONTROL AND ROADSIDE PLANTING

9-14.1 Soil

9-14.1(1) Topsoil Type A

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

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

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

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

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

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

9-14.2 Seed

Section 9-14.2 is supplemented with the following:

Grass seed for 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 grass seed mixture shall be applied to the rate of five pounds per 1,000 square feet.

The seed mix for the disturbed wetland areas as shown on the Plans shall be as follows:

Wetland Seed Mix

| <u>Name</u> | <u># Pure Live Seed/acre</u> |
|--|------------------------------|
| Western Manna Grass | 90 |
| <u><i>Glyceria occidentalis</i></u> | |
| Tufted Hairgrass | 6 |
| <u><i>Deschampsia cespitosa</i></u> | |
| Canada Reed | 2 |
| <u><i>Calamagrostis Canadensis</i></u> | |
| Spike Bentgrass | 2 |
| <u><i>Agrostis exarata</i></u> | |

The wetland seed mix shall be applied to the rate of 2500 lbs per acre of hydroseed mulch.

9-14.3 Fertilizer

Section 9-14.3 is supplemented with the following:

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

Total Nitrogen as N - One pound per thousand square feet

Available Phosphoric Acid as P₂O₅ - One pound per thousand square feet

Soluble Potash as K₂O - One pound per thousand square feet.

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

(April 3, 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 1, 2016 is made a part of this contract.

The Standard Plans are revised as follows:

A-30.15
DELETED

A-40.10
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”

A-50.10
Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20
Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30
Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

A-60.30
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.”

B-10.20 and B-10.40
Substitute “step” in lieu of “handhold” on plan

B-15.60
Table, Maximum Knockout Size column, 120” Diam., 42” is revised to read; 96”

B-25.20
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

B-30.70

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”

B-40.40

Note 2, was – “When bolt-down grates are specified in the Contract, provide two slots in the grate that are centered with the holes in the frame. Location of bolt-down slots varies among different manufacturers.” 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 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 manufacturers.”

B-45.20

Grate Support Detail, callout for steel angle, was – “5 1/2” x 1” x 1/4” STEEL ANGLE” IS REVISED TO READ; “5 1/2” x 1 1/2” x 1/4” STEEL ANGLE”

B-45.40

Grate Support Detail, callout for steel angle, was – “5 1/2” x 1” x 1/4” STEEL ANGLE” IS REVISED TO READ; “5 1/2” x 1 1/2” x 1/4” STEEL ANGLE”

B-55.20

Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40

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

C-16a

Note 1, reference C-28.40 is revised to C-20.10

C-16b

Note 3, reference C-28.40 is revised to C-20.10

C-22.14

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”

C-22.16

Note 3, formula, was: “Elevation $G = (\text{Elevation } S - D \times (0.1) + 31$ ” is revised to read: “Elevation $G = (\text{Elevation } S - D \times (0.1) + 31/12$ ”

C-22.41

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.

D-10.15

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.

D-10.25

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.

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

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.

D-10.45

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.

D-15.30

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.

F-10.12

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

F-10.40

“EXTRUDED CURB AT CUT SLOPE”, Section detail - Deleted

F-10.42

DELETE – “Extruded Curb at Cut Slope” View

G-22.10

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

G-90.10

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)”

H-70.20

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

J-3

DELETED

J-3b

DELETED

J-3C

DELETED

J-10.21

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.”

J-10.22

Key Note 1, was – “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305.” Is revised to read; “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that

meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel.”

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

Key Note 14, was – “Hinged dead front with ¼ turn fasteners or slide latch.” Is revised to read; “Hinged dead front with ¼ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s).”

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

J-20.10

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.”

J-20.16

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

J-21.10

Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR.. Delete “(TYP.)” from the 2 ½”

CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½”

CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½”

CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½”

CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Detail F, callout, “Heavy Hex Clamping Bolt (TYP.) ~ ¾” (IN) Diam. Torque Clamping Bolts (see Note 3)” is revised to read; “Heavy Hex Clamping Bolt (TYP.) ~ ¾” (IN) Diam. Torque Clamping Bolts (see Note 1)”

Detail F, callout, “¾” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Four Required (See Note 4)” is revised to read; “¾” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Three Required (See Note 2)”

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½” DIAM., is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-21.16

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

J-22.15

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

(2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½" DIAM. is revised to read; CHASE NIPPLE ~ 1 ½" (IN) DIAM.

J-40.10

Sheet 2 of 2, Detail F, callout, "12 – 13 x 1 ½" S.S. PENTA HEAD BOLT AND 12" S. S. FLAT WASHER" is revised to read; "12 – 13 x 1 ½" 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

K-80.30

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

M-11.10

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

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

| | | |
|-------------------------|-------------------------|-------------------------|
| A-10.10-00.....8/7/07 | A-40.00-00.....8/11/09 | A-50.30-00.....11/17/08 |
| A-10.20-00.....10/5/07 | A-40.10-03.....12/23/14 | A-50.40-00.....11/17/08 |
| A-10.30-00.....10/5/07 | A-40.15-00.....8/11/09 | A-60.10-03.....12/23/14 |
| A-20.10-00.....8/31/07 | A-40.20-03.....12/23/14 | A-60.20-03.....12/23/14 |
| A-30.10-00.....11/8/07 | A-40.50-02.....12/23/14 | A-60.30-00.....11/8/07 |
| A-30.30-01.....6/16/11 | A-50.10-00.....11/17/08 | A-60.40-00.....8/31/07 |
| A-30.35-00.....10/12/07 | A-50.20-01.....9/22/09 | |
| | | |
| B-5.20-01.....6/16/11 | B-30.50-01.....4/26/12 | B-75.20-01.....6/10/08 |
| B-5.40-01.....6/16/11 | B-30.70-03.....4/26/12 | B-75.50-01.....6/10/08 |
| B-5.60-01.....6/16/11 | B-30.80-00.....6/8/06 | B-75.60-00.....6/8/06 |
| B-10.20-01.....2/7/12 | B-30.90-01.....9/20/07 | B-80.20-00.....6/8/06 |
| B-10.40-00.....6/1/06 | B-35.20-00.....6/8/06 | B-80.40-00.....6/1/06 |
| B-10.60-00.....6/8/06 | B-35.40-00.....6/8/06 | B-82.20-00.....6/1/06 |
| B-15.20-01.....2/7/12 | B-40.20-00.....6/1/06 | B-85.10-01.....6/10/08 |
| B-15.40-01.....2/7/12 | B-40.40-01.....6/16/10 | B-85.20-00.....6/1/06 |
| B-15.60-01.....2/7/12 | B-45.20-00.....6/1/06 | B-85.30-00.....6/1/06 |
| B-20.20-02.....3/16/12 | B-45.40-00.....6/1/06 | B-85.40-00.....6/8/06 |
| B-20.40-03.....3/16/12 | B-50.20-00.....6/1/06 | B-85.50-01.....6/10/08 |
| B-20.60-03.....3/15/12 | B-55.20-00.....6/1/06 | B-90.10-00.....6/8/06 |
| B-25.20-01.....3/15/12 | B-60.20-00.....6/8/06 | B-90.20-00.....6/8/06 |
| B-25.60-00.....6/1/06 | B-60.40-00.....6/1/06 | B-90.30-00.....6/8/06 |
| B-30.10-01.....4/26/12 | B-65.20-01.....4/26/12 | B-90.40-00.....6/8/06 |
| B-30.20-02.....4/26/12 | B-65.40-00.....6/1/06 | B-90.50-00.....6/8/06 |
| B-30.30-01.....4/26/12 | B-70.20-00.....6/1/06 | B-95.20-01.....2/3/09 |

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|------------------------|------------------------|-------------------------|
| B-30.40-01.....4/26/12 | B-70.60-00.....6/1/06 | B-95.40-00.....6/8/06 |
| C-1.....7/12/16 | C-6.....7/15/16 | C-23.60-03.....6/11/14 |
| C-1a.....7/14/15 | C-6a.....10/14/09 | C-24.10-01.....6/11/14 |
| C-1b.....7/14/15 | C-6c.....7/15/16 | C-25.18-05.....7/14/15 |
| C-1c.....7/12/16 | C-6d.....7/15/16 | C-25.20-06.....7/14/15 |
| C-1d.....10/31/03 | C-6f.....7/15/16 | C-25.22-05.....7/14/15 |
| C-2.....1/6/00 | C-7.....6/16/11 | C-25.26-03.....7/14/15 |
| C-2a.....6/21/06 | C-7a.....6/16/11 | C-25.80-04.....7/15/16 |
| C-2b.....6/21/06 | C-8.....2/10/09 | C-40.14-02.....7/2/12 |
| C-2c.....6/21/06 | C-8a.....7/25/97 | C-40.16-02.....7/2/12 |
| C-2d.....6/21/06 | C-8b.....2/29/16 | C-40.18-02.....7/2/12 |
| C-2e.....6/21/06 | C-8e.....2/21/07 | C-70.10-01.....6/17/14 |
| C-2f.....3/14/97 | C-8f.....6/30/04 | C-75.10-01.....6/11/14 |
| C-2g.....7/27/01 | C-10.....7/15/16 | C-75.20-01.....6/11/14 |
| C-2h.....3/28/97 | C-16a.....6/3/10 | C-75.30-01.....6/11/14 |
| C-2i.....3/28/97 | C-20.10-03.....7/14/15 | C-80.10-01.....6/11/14 |
| C-2j.....6/12/98 | C-20.14-03.....6/11/14 | C-80.20-01.....6/11/14 |
| C-2k.....7/12/16 | C-20.15-02.....6/11/14 | C-80.30-01.....6/11/14 |
| C-2n.....7/12/16 | C-20.18-02.....6/11/14 | C-80.40-01.....6/11/14 |
| C-2o.....7/13/01 | C-20.19-02.....6/11/14 | C-80.50-00.....4/8/12 |
| C-2p.....10/31/03 | C-20.40-05.....7/14/15 | C-85.10-00.....4/8/12 |
| C-3.....7/2/12 | C-20.41-01.....7/14/15 | C-85.11-00.....4/8/12 |
| C-3a.....10/4/05 | C-20.42-05.....7/14/15 | C-85.14-01.....6/11/14 |
| C-3b.....6/27/11 | C-20.45.01.....7/2/12 | C-85.15-01.....6/30/14 |
| C-3c.....6/27/11 | C-22.14-04.....7/15/16 | C-85.16-01.....6/17/14 |
| C-4b.....7/15/16 | C-22.16-05.....7/14/15 | C-85.18-01.....6/11/14 |
| C-4e.....7/15/16 | C-22.40-05.....7/15/16 | C-85.20-01.....6/11/14 |
| C-4f.....7/2/12 | C-22.45-02.....7/15/16 | C-90.10-00.....7/3/08 |
| C-16b.....6/3/10 | | |
| D-2.04-00.....11/10/05 | D-2.48-00.....11/10/05 | D-3.17-02.....5/9/16 |
| D-2.06-01.....1/6/09 | D-2.64-01.....1/6/09 | D-4.....12/11/98 |
| D-2.08-00.....11/10/05 | D-2.66-00.....11/10/05 | D-6.....6/19/98 |
| D-2.14-00.....11/10/05 | D-2.68-00.....11/10/05 | D-10.10-01.....12/2/08 |
| D-2.16-00.....11/10/05 | D-2.80-00.....11/10/05 | D-10.15-01.....12/2/08 |
| D-2.18-00.....11/10/05 | D-2.82-00.....11/10/05 | D-10.20-00.....7/8/08 |
| D-2.20-00.....11/10/05 | D-2.84-00.....11/10/05 | D-10.25-00.....7/8/08 |
| D-2.32-00.....11/10/05 | D-2.86-00.....11/10/05 | D-10.30-00.....7/8/08 |
| D-2.34-01.....1/6/09 | D-2.88-00.....11/10/05 | D-10.35-00.....7/8/08 |
| D-2.36-03.....6/11/14 | D-2.92-00.....11/10/05 | D-10.40-01.....12/2/08 |
| D-2.42-00.....11/10/05 | D-3.09-00.....5/17/12 | D-10.45-01.....12/2/08 |
| D-2.44-00.....11/10/05 | D-3.10-01.....5/29/13 | D-15.10-01.....12/2/08 |
| D-2.60-00.....11/10/05 | D-3.11-03.....6/11/14 | D-15.20-03.....5/9/16 |
| D-2.62-00.....11/10/05 | D-3.15-02.....6/10/13 | D-15.30-01.....12/02/08 |
| D-2.46-01.....6/11/14 | D-3.16-02.....5/29/13 | |
| E-1.....2/21/07 | E-4.....8/27/03 | |
| E-2.....5/29/98 | E-4a.....8/27/03 | |
| F-10.12-03.....6/11/14 | F-10.62-02.....4/22/14 | F-40.15-03.....6/29/16 |

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|-------------------------|-------------------------|------------------------|
| F-10.16-00.....12/20/06 | F-10.64-03.....4/22/14 | F-40.16-03.....6/29/16 |
| F-10.18-00.....6/27/11 | F-30.10-03.....6/11/14 | F-45.10-02.....7/15/16 |
| F-10.40-03.....6/29/16 | F-40.12-03.....6/29/16 | F-80.10-04.....7/15/16 |
| F-10.42-00.....1/23/07 | F-40.14-03.....6/29/16 | |
| G-10.10-00.....9/20/07 | G-25.10-04.....6/10/13 | G-90.10-02.....4/28/16 |
| 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-90.20-04.....4/28/16 |
| G-24.10-00.....11/8/07 | G-60.10-03.....6/18/15 | G-90.30-03.....4/28/16 |
| G-24.20-01.....2/7/12 | G-60.20-02.....6/18/15 | G-90.40-02.....4/28/16 |
| G-24.30-01.....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-95.20-02.....6/2/11 |
| G-24.50-03.....6/17/14 | G-70.20-03.....2/29/16 | G-95.30-02.....6/2/11 |
| G-24.60-04.....6/23/15 | G-70.30-03.....2/29/16 | |
| H-10.10-00.....7/3/08 | H-32.10-00.....9/20/07 | H-70.10-01.....2/7/12 |
| H-10.15-00.....7/3/08 | H-60.10-01.....7/3/08 | H-70.20-01.....2/16/12 |
| H-30.10-00.....10/12/07 | H-60.20-01.....7/3/08 | H-70.30-02.....2/7/12 |
| I-10.10-01.....8/11/09 | I-30.20-00.....9/20/07 | I-40.20-00.....9/20/07 |
| I-30.10-02.....3/22/13 | I-30.30-01.....6/10/13 | I-50.20-01.....6/10/13 |
| I-30.15-02.....3/22/13 | I-30.40-01.....6/10/13 | I-60.10-01.....6/10/13 |
| I-30.16-00.....3/22/13 | I-30.60-00.....5/29/13 | I-60.20-01.....6/10/13 |
| I-30.17-00.....3/22/13 | I-40.10-00.....9/20/07 | I-80.10-02.....7/15/16 |
| J-10.....7/18/97 | J-26.20-00.....6/11/14 | J-40.38-01.....5/20/13 |
| J-10.10-03.....6/3/15 | J-27.10-01.....7/21/16 | J-40.39-00.....5/20/13 |
| J-10.15-01.....6/11/14 | J-27.15-00.....3/15/12 | J-40.40-01.....4/28/16 |
| J-10.16-00.....6/3/15 | J-28.10-01.....5/11/11 | J-50.10-00.....6/3/11 |
| J-10.17-00.....6/3/15 | J-28.22-00.....8/07/07 | J-50.11-00.....6/3/11 |
| J-10.18-00.....6/3/15 | J-28.24-01.....6/3/15 | J-50.12-00.....6/3/11 |
| J-10.20-01.....6/1/16 | J-28.26-01.....12/02/08 | J-50.15-00.....6/3/11 |
| J-10.21-00.....6/3/15 | J-28.30-03.....6/11/14 | J-50.16-01.....3/22/13 |
| J-10.22-00.....5/29/13 | J-28.40-02.....6/11/14 | J-50.20-00.....6/3/11 |
| J-15.10-01.....6/11/14 | J-28.42-01.....6/11/14 | J-50.25-00.....6/3/11 |
| J-15.15-02.....7/10/15 | J-28.43-00.....6/11/14 | J-50.30-00.....6/3/11 |
| J-20.10-03.....6/30/14 | J-28.45-03.....7/21/16 | J-60.05-01.....7/21/16 |
| J-20.11-02.....6/30/14 | J-28.50-03.....7/21/16 | J-60.11-00.....5/20/13 |
| J-20.15-03.....6/30/14 | J-28.60-02.....7/21/16 | J-60.12-00.....5/20/13 |
| J-20.16-02.....6/30/14 | J-28.70-02.....6/1/16 | J-60.13-00.....6/16/10 |
| J-20.20-02.....5/20/13 | J-29.10-01.....7/21/16 | J-60.14-00.....6/16/10 |
| J-20.26-01.....7/12/12 | J-29.15-01.....7/21/16 | J-75.10-02.....7/10/15 |
| J-21.10-04.....6/30/14 | J-29.16-02.....7/21/16 | J-75.20-01.....7/10/15 |
| J-21.15-01.....6/10/13 | J-30.10-00.....6/18/15 | J-75.30-02.....7/10/15 |
| J-21.16-01.....6/10/13 | J-40.05-00.....7/21/16 | J-75.40-02.....6/1/16 |
| J-21.17-01.....6/10/13 | J-40.10-04.....4/28/16 | J-75.41-01.....6/29/16 |
| J-21.20-01.....6/10/13 | J-40.20-03.....4/28/16 | J-75.45-02.....6/1/16 |
| J-22.15-02.....7/10/15 | J-40.30-04.....4/28/16 | J-90.10-02.....4/28/16 |
| J-22.16-03.....7/10/15 | J-40.35-01.....5/29/13 | J-90.20-02.....4/28/16 |
| J-26.10-03.....7/21/16 | J-40.36-01.....5/20/13 | J-90.21-01.....4/28/16 |
| J-26.15-01.....5/17/12 | J-40.37-01.....5/20/13 | |

K-70.20-01.....6/1/16
K-80.10-01.....6/1/16
K-80.20-00.....12/20/06
K-80.30-00.....2/21/07
K-80.35-00.....2/21/07
K-80.37-00.....2/21/07

L-10.10-02.....6/21/12
L-20.10-03.....7/14/15
L-30.10-02.....6/11/14

L-40.10-02.....6/21/12
L-40.15-01.....6/16/11
L-40.20-02.....6/21/12

L-70.10-01.....5/21/08
L-70.20-01.....5/21/08

M-1.20-03.....6/24/14
M-1.40-02.....6/3/11
M-1.60-02.....6/3/11
M-1.80-03.....6/3/11
M-2.20-03.....7/10/15
M-2.21-00.....7/10/15
M-3.10-03.....6/3/11
M-3.20-02.....6/3/11
M-3.30-03.....6/3/11
M-3.40-03.....6/3/11
M-3.50-02.....6/3/11
M-5.10-02.....6/3/11
M-7.50-01.....1/30/07
M-9.50-02.....6/24/14

M-9.60-00.....2/10/09
M-11.10-01.....1/30/07
M-15.10-01.....2/6/07
M-17.10-02.....7/3/08
M-20.10-02.....6/3/11
M-20.20-02.....4/20/15
M-20.30-04.....2/29/16
M-20.40-03.....6/24/14
M-20.50-02.....6/3/11
M-24.20-02.....4/20/15
M-24.40-02.....4/20/15
M-24.50-00.....6/16/11
M-24.60-04.....6/24/14

M-40.10-03.....6/24/14
M-40.20-00...10/12/07
M-40.30-00.....9/20/07
M-40.40-00.....9/20/07
M-40.50-00.....9/20/07
M-40.60-00.....9/20/07
M-60.10-01.....6/3/11
M-60.20-02.....6/27/11
M-65.10-02.....5/11/11
M-80.10-01.....6/3/11
M-80.20-00.....6/10/08
M-80.30-00.....6/10/08

CONTRACT FORMS
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INFORMATIONAL

CONTRACT
FOR:
GATEWAY NORTH STORMWATER PROJECT
FERNDAL, WASHINGTON

This Contract, made and entered into this ____ day of ____, 2017 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 "GATEWAY NORTH STORMWATER 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, successors, assignees, subcontractors and/or employees the Contractor hereby agrees and covenants to assume the defense thereof and to pay any and all costs, charges, attorney's fees and other expenses and any and all judgments that may be incurred or obtained against the City.

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

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

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

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.

PERFORMANCE BOND
to the
City of Ferndale

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

THE CONDITION OF THIS OBLIGATION IS SUCH, that Whereas, the Principal entered into a contract with the Owner, dated the _____ day of _____, 2017, 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 _____, 2017, the name and corporate seal of each corporate party hereto affixed, and these presents duly signed by its undersigned representatives pursuant to authority of its governing body.

Corporate Seal:

PRINCIPAL

ATTEST: (If Corporation)

By: _____

Title: _____

Corporate Seal:

SURETY

By: _____

Title: _____

INFORMATIONAL

PAYMENT BOND
to the
City of Ferndale

KNOW ALL MENT BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(Corporation, Partnership or Individual)

and _____
(Name of Surety)

(Address of surety)

hereinafter called **SURETY**, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

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

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

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

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

WORK or to the **SPECIFICATIONS**.

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

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

ATTEST:

Principal

(Principal) Secretary

(SEAL) By _____ (s)

(Address)

Witness as to Principal

(Address)

(Surety)
ATTEST: By _____
(Attorney –in-Fact)

Witness as to Surety

(Address)

(Address)

NOTE: Date of **BOND** must not be prior to date of Contract.
If **CONTRACTOR** is Partnership, all partners should execute **BOND**.

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

**CITY OF FERNDALE
RETAINAGE INVESTMENT OPTION**

CONTRACTOR: _____

PROJECT NAME: _____

DATE: _____

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

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

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

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

(Contractor's Signature)

Date

Title: _____

INFORMATIONAL

APPENDICES
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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: 6/8/2017

| <u>County</u> | <u>Trade</u> | <u>Job Classification</u> | <u>Wage</u> | <u>Holiday</u> | <u>Overtime</u> | <u>Note</u> |
|---------------|--|-----------------------------------|-------------|----------------|-----------------|-------------|
| Whatcom | Asbestos Abatement Workers | Journey Level | \$45.25 | <u>5D</u> | <u>1H</u> | |
| Whatcom | Boilermakers | Journey Level | \$44.35 | | <u>1</u> | |
| Whatcom | Brick Mason | Journey Level | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Whatcom | Brick Mason | Pointer-Caulker-Cleaner | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Whatcom | Building Service Employees | Janitor | \$11.00 | | <u>1</u> | |
| Whatcom | Building Service Employees | Shampooer | \$11.00 | | <u>1</u> | |
| Whatcom | Building Service Employees | Waxer | \$11.00 | | <u>1</u> | |
| Whatcom | Building Service Employees | Window Cleaner | \$11.00 | | <u>1</u> | |
| Whatcom | Cabinet Makers (In Shop) | Journey Level | \$24.89 | | <u>1</u> | |
| Whatcom | Carpenters | Acoustical Worker | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Bridge, Dock And Wharf Carpenters | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Carpenter | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Carpenters on Stationary Tools | \$55.64 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Creosoted Material | \$55.61 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Floor Finisher | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Floor Layer | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Carpenters | Scaffold Erector | \$55.51 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Cement Masons | Journey Level | \$55.56 | <u>7A</u> | <u>1M</u> | |
| Whatcom | Divers & Tenders | Diver | \$108.77 | <u>5D</u> | <u>4C</u> | <u>8A</u> |
| Whatcom | Divers & Tenders | Diver On Standby | \$66.05 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Divers & Tenders | Diver Tender | \$59.88 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Divers & Tenders | Surface Rcv & Rov Operator | \$59.88 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Divers & Tenders | Surface Rcv & Rov Operator Tender | \$55.76 | <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 | \$55.51 | <u>5D</u> | <u>1H</u> | |
| Whatcom | Drywall Tapers | Journey Level | \$29.63 | | <u>1</u> | |
| Whatcom | Electrical Fixture Maintenance Workers | Journey Level | \$13.82 | | <u>1</u> | |
| Whatcom | Electricians - Inside | Cable Splicer | \$66.04 | <u>7H</u> | <u>1E</u> | |
| Whatcom | Electricians - Inside | Construction Stock Person | \$32.75 | <u>7H</u> | <u>1D</u> | |
| Whatcom | Electricians - Inside | Journey Level | \$61.68 | <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 | Electricians - Powerline Construction | Cable Splicer | \$73.93 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Certified Line Welder | \$67.60 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Groundperson | \$45.49 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Heavy Line Equipment Operator | \$67.60 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Journey Level Lineperson | \$67.60 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Line Equipment Operator | \$57.02 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Pole Sprayer | \$67.60 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electricians - Powerline Construction | Powderperson | \$50.76 | <u>5A</u> | <u>4D</u> | |
| Whatcom | Electronic Technicians | Journey Level | \$25.09 | | <u>1</u> | |
| Whatcom | Elevator Constructors | Mechanic | \$85.45 | <u>7D</u> | <u>4A</u> | |
| Whatcom | Elevator Constructors | Mechanic In Charge | \$92.35 | <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 | Flaggers | Journey Level | \$38.36 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Glaziers | Journey Level | \$59.31 | <u>7L</u> | <u>1Y</u> | |
| Whatcom | Heat & Frost Insulators And Asbestos Workers | Journeyman | \$65.68 | <u>5J</u> | <u>4H</u> | |
| Whatcom | Heating Equipment Mechanics | Journey Level | \$19.85 | | <u>1</u> | |
| Whatcom | Hod Carriers & Mason Tenders | Journey Level | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Industrial Power Vacuum Cleaner | Journey Level | \$11.00 | | <u>1</u> | |
| Whatcom | Inland Boatmen | Boat Operator | \$59.86 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inland Boatmen | Cook | \$56.18 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inland Boatmen | Deckhand | \$56.18 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inland Boatmen | Deckhand Engineer | \$57.26 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inland Boatmen | Launch Operator | \$58.59 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inland Boatmen | Mate | \$58.59 | <u>5B</u> | <u>1K</u> | |
| Whatcom | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Cleaner Operator, Foamer Operator | \$11.00 | | <u>1</u> | |
| Whatcom | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Grout Truck Operator | \$11.48 | | <u>1</u> | |

| | | | | | |
|---------|--|--|---------|-----------|-----------|
| | Control | | | | |
| Whatcom | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Head Operator | \$12.78 | | 1 |
| Whatcom | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Technician | \$11.00 | | 1 |
| Whatcom | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Tv Truck Operator | \$11.00 | | 1 |
| Whatcom | Insulation Applicators | Journey Level | \$55.51 | <u>5D</u> | <u>4C</u> |
| Whatcom | Ironworkers | Journeyman | \$65.48 | <u>7N</u> | <u>1Q</u> |
| Whatcom | Laborers | Air, Gas Or Electric Vibrating Screed | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Airtrac Drill Operator | \$46.66 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Ballast Regular Machine | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Batch Weighman | \$38.36 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Brick Pavers | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Brush Cutter | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Brush Hog Feeder | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Burner | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Caisson Worker | \$46.66 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Carpenter Tender | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Caulker | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Cement Dumper-paving | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Cement Finisher Tender | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Change House Or Dry Shack | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Chipping Gun (under 30 Lbs.) | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Chipping Gun(30 Lbs. And Over) | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Choker Setter | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Chuck Tender | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Clary Power Spreader | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Clean-up Laborer | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Concrete Dumper/chute Operator | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Concrete Form Stripper | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Concrete Placement Crew | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Concrete Saw Operator/core Driller | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Crusher Feeder | \$38.36 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Curing Laborer | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Demolition: Wrecking & Moving (incl. Charred Material) | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Ditch Digger | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Diver | \$46.66 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Drill Operator (hydraulic,diamond) | \$46.09 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Dry Stack Walls | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Dump Person | \$45.25 | <u>7A</u> | <u>3I</u> |
| Whatcom | Laborers | Epoxy Technician | \$45.25 | <u>7A</u> | <u>3I</u> |

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| Whatcom | Laborers | Erosion Control Worker | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Faller & Bucker Chain Saw | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Fine Graders | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Firewatch | \$38.36 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Form Setter | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Gabian Basket Builders | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | General Laborer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Grade Checker & Transit Person | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Grinders | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Grout Machine Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Groutmen (pressure)including Post Tension Beams | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Guardrail Erector | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Hazardous Waste Worker (level A) | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Hazardous Waste Worker (level B) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Hazardous Waste Worker (level C) | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | High Scaler | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Jackhammer | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Laserbeam Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Maintenance Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Manhole Builder-mudman | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Material Yard Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Motorman-dinky Locomotive | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pavement Breaker | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pilot Car | \$38.36 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pipe Layer Lead | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pipe Layer/tailor | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pipe Pot Tender | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pipe Reliner | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pipe Wrapper | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Pot Tender | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Powderman | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Powderman's Helper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Power Jacks | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Railroad Spike Puller - Power | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Raker - Asphalt | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Re-timberman | \$46.66 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Remote Equipment Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Rigger/signal Person | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Rip Rap Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Rivet Buster | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Rodder | \$46.09 | <u>7A</u> | <u>3I</u> | |

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| Whatcom | Laborers | Scaffold Erector | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Scale Person | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Sloper (over 20") | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Sloper Sprayer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Spreader (concrete) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Stake Hopper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Stock Piler | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Tamper & Similar Electric, Air & Gas Operated Tools | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Tamper (multiple & Self-propelled) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Timber Person - Sewer (lagger, Shorer & Cribber) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Toolroom Person (at Jobsite) | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Topper | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Track Laborer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Track Liner (power) | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Traffic Control Laborer | \$41.02 | <u>7A</u> | <u>3I</u> | <u>8R</u> |
| Whatcom | Laborers | Traffic Control Supervisor | \$41.02 | <u>7A</u> | <u>3I</u> | <u>8R</u> |
| Whatcom | Laborers | Truck Spotter | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Tugger Operator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 0-30 psi | \$83.12 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 30.01-44.00 psi | \$88.15 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 44.01-54.00 psi | \$91.83 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 54.01-60.00 psi | \$97.53 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 60.01-64.00 psi | \$99.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 64.01-68.00 psi | \$104.75 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 68.01-70.00 psi | \$106.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 70.01-72.00 psi | \$108.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Compressed Air Worker 72.01-74.00 psi | \$110.65 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Guage and Lock Tender | \$46.76 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Tunnel Work-Miner | \$46.76 | <u>7A</u> | <u>3I</u> | <u>8Q</u> |
| Whatcom | Laborers | Vibrator | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Vinyl Seamer | \$45.25 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Watchman | \$34.86 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Welder | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Well Point Laborer | \$46.09 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers | Window Washer/cleaner | \$34.86 | <u>7A</u> | <u>3I</u> | |
| Whatcom | Laborers - Underground Sewer & Water | General Laborer & Topman | \$45.25 | <u>7A</u> | <u>3I</u> | |

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| Whatcom | Laborers - Underground Sewer & Water | Pipe Layer | \$46.09 | <u>7A</u> | <u>3I</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 | Lathers | Journey Level | \$55.51 | <u>5D</u> | <u>1H</u> | |
| Whatcom | Marble Setters | Journey Level | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Whatcom | Metal Fabrication (In Shop) | Fitter | \$13.81 | | <u>1</u> | |
| Whatcom | Metal Fabrication (In Shop) | Laborer | \$11.00 | | <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 | Millwright | Journey Level | \$30.79 | | <u>1</u> | |
| Whatcom | Modular Buildings | Journey Level | \$11.00 | | <u>1</u> | |
| Whatcom | Painters | Journey Level | \$40.60 | <u>6Z</u> | <u>2B</u> | |
| Whatcom | Pile Driver | Journey Level | \$55.76 | <u>5D</u> | <u>4C</u> | |
| Whatcom | Plasterers | Journey Level | \$53.20 | <u>7Q</u> | <u>1R</u> | |
| Whatcom | Playground & Park Equipment Installers | Journey Level | \$11.00 | | <u>1</u> | |
| Whatcom | Plumbers & Pipefitters | Journey Level | \$67.47 | <u>5A</u> | <u>1G</u> | |
| Whatcom | Power Equipment Operators | Asphalt Plant Operators | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Assistant Engineer | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Barrier Machine (zipper) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Batch Plant Operator, Concrete | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Bobcat | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Brokk - Remote Demolition Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Brooms | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Bump Cutter | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cableways | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Chipper | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Compressor | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Over 42 M | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Concrete Finish Machine -laser Screed | \$55.21 | <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. | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Up To 42m | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Conveyors | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cranes Friction: 200 tons and over | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cranes: 20 Tons Through 44 Tons With Attachments | \$58.17 | <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) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Whatcom | Power Equipment Operators | Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments | \$59.88 | <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 | \$60.47 | <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) | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cranes: A-frame - 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cranes: Friction cranes through 199 tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Crusher | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Deck Engineer/deck Winches (power) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Derricks, On Building Work | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Dozers D-9 & Under | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Drill Oilers: Auger Type, Truck Or Crane Mount | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Drilling Machine | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Elevator And Man-lift: Permanent And Shaft Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Finishing Machine, Bidwell And Gamaco & Similar Equipment | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Forklift: 3000 Lbs And Over With Attachments | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Forklifts: Under 3000 Lbs. With Attachments | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Grade Engineer: Using Blue Prints, Cut Sheets, Etc | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Gradechecker/stakeman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Guardrail Punch | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Horizontal/directional Drill Locator | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Horizontal/directional Drill Operator | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Hydralifts/boom Trucks Over 10 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Hydralifts/boom Trucks, 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Loader, Overhead 8 Yards. & Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Whatcom | Power Equipment Operators | Loaders, Overhead Under 6 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Loaders, Plant Feed | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Loaders: Elevating Type Belt | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Locomotives, All | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Material Transfer Device | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic) | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Motor Patrol Graders | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Outside Hoists (elevators And Manlifts), Air Tuggers, strato | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Overhead, Bridge Type Crane: 20 Tons Through 44 Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Overhead, Bridge Type: 100 Tons And Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Overhead, Bridge Type: 45 Tons Through 99 Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Pavement Breaker | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Pile Driver (other Than Crane Mount) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Plant Oiler - Asphalt, Crusher | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Posthole Digger, Mechanical | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Power Plant | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Pumps - Water | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Quad 9, Hd 41, D10 And Over | \$58.69 | <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 | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Rigger And Bellman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Rigger/Signal Person, Bellman (Certified) | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Rollagon | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Roller, Other Than Plant Mix | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Roller, Plant Mix Or Multi-lift Materials | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Roto-mill, Roto-grinder | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Saws - Concrete | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Scraper, Self Propelled Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Scrapers - Concrete & Carry All | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Scrapers, Self-propelled: 45 Yards And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Service Engineers - Equipment | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Whatcom | Power Equipment Operators | Shotcrete/gunite Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons. | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Slipform Pavers | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Spreader, Topsider & Screedman | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Subgrader Trimmer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Tower Bucket Elevators | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Tower Crane Up To 175' In Height Base To Boom | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Tower Crane: over 175' through 250' in height, base to boom | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Tower Cranes: over 250' in height from base to boom | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Transporters, All Track Or Truck Type | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Trenching Machines | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Truck Crane Oiler/driver - 100 Tons And Over | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Truck Crane Oiler/driver Under 100 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Truck Mount Portable Conveyor | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Welder | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Wheel Tractors, Farmall Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators | Yo Yo Pay Dozer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Asphalt Plant Operators | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Assistant Engineer | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Barrier Machine (zipper) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Batch Plant Operator, Concrete | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Bobcat | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Brokk - Remote Demolition Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Brooms | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Bump Cutter | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cableways | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Whatcom | Power Equipment Operators-Underground Sewer & Water | Chipper | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Compressor | \$55.21 | <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 | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Concrete Finish Machine -laser Screed | \$55.21 | <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. | \$57.72 | <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 | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Conveyors | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cranes Friction: 200 tons and over | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cranes: 20 Tons Through 44 Tons With Attachments | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments) | \$59.28 | <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 | \$59.88 | <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 | \$60.47 | <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) | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cranes: A-frame - 10 Tons And Under | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Cranes: Friction cranes through 199 tons | \$59.88 | <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 | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Crusher | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Deck Engineer/deck Winches (power) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Derricks, On Building Work | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Dozers D-9 & Under | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Drill Oilers: Auger Type, Truck Or Crane Mount | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Drilling Machine | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Elevator And Man-lift: Permanent And Shaft Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators- | Finishing Machine, Bidwell And | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| | Underground Sewer & Water | Gamaco & Similar Equipment | | | | |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Forklift: 3000 Lbs And Over With Attachments | \$57.72 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Forklifts: Under 3000 Lbs. With Attachments | \$55.21 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Grade Engineer: Using Blue Prints, Cut Sheets, Etc | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Gradechecker/stakeman | \$55.21 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Guardrail Punch | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$58.69 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Horizontal/directional Drill Locator | \$57.72 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Horizontal/directional Drill Operator | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Hydralifts/boom Trucks Over 10 Tons | \$57.72 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Hydralifts/boom Trucks, 10 Tons And Under | \$55.21 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Loader, Overhead 8 Yards. & Over | \$59.28 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$58.69 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Loaders, Overhead Under 6 Yards | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Loaders, Plant Feed | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Loaders: Elevating Type Belt | \$57.72 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Locomotives, All | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Material Transfer Device | \$58.17 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic) | \$59.28 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Motor Patrol Graders | \$58.69 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$58.69 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$55.21 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Outside Hoists (elevators And Manlifts), Air Tuggers, strato | \$57.72 | 7A | 3C | 8P |
| Whatcom | Power Equipment Operators- Underground Sewer & Water | Overhead, Bridge Type Crane: 20 Tons Through 44 Tons | \$58.17 | 7A | 3C | 8P |

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| Whatcom | Power Equipment Operators-Underground Sewer & Water | Overhead, Bridge Type: 100 Tons And Over | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Overhead, Bridge Type: 45 Tons Through 99 Tons | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Pavement Breaker | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Pile Driver (other Than Crane Mount) | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Plant Oiler - Asphalt, Crusher | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Posthole Digger, Mechanical | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Power Plant | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Pumps - Water | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Quad 9, Hd 41, D10 And Over | \$58.69 | <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 | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Rigger And Bellman | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Rigger/Signal Person, Bellman (Certified) | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Rollagon | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Roller, Other Than Plant Mix | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Roller, Plant Mix Or Multi-lift Materials | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Roto-mill, Roto-grinder | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Saws - Concrete | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Scraper, Self Propelled Under 45 Yards | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Scrapers - Concrete & Carry All | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Scrapers, Self-propelled: 45 Yards And Over | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Service Engineers - Equipment | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Shotcrete/gunite Equipment | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons. | \$57.72 | <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 | \$58.69 | <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 | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |

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| Whatcom | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons | \$59.28 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$59.88 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Slipform Pavers | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Spreader, Topsider & Screedman | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Subgrader Trimmer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Tower Bucket Elevators | \$57.72 | <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 | \$59.28 | <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 | \$59.88 | <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 | \$60.47 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Transporters, All Track Or Truck Type | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Trenching Machines | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/driver - 100 Tons And Over | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/driver Under 100 Tons | \$57.72 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Truck Mount Portable Conveyor | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Welder | \$58.69 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Wheel Tractors, Farmall Type | \$55.21 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Equipment Operators-Underground Sewer & Water | Yo Yo Pay Dozer | \$58.17 | <u>7A</u> | <u>3C</u> | <u>8P</u> |
| Whatcom | Power Line Clearance Tree Trimmers | Journey Level In Charge | \$48.54 | <u>5A</u> | <u>4A</u> | |
| Whatcom | Power Line Clearance Tree Trimmers | Spray Person | \$46.03 | <u>5A</u> | <u>4A</u> | |
| Whatcom | Power Line Clearance Tree Trimmers | Tree Equipment Operator | \$48.54 | <u>5A</u> | <u>4A</u> | |
| Whatcom | Power Line Clearance Tree Trimmers | Tree Trimmer | \$43.32 | <u>5A</u> | <u>4A</u> | |
| Whatcom | Power Line Clearance Tree Trimmers | Tree Trimmer Groundperson | \$32.68 | <u>5A</u> | <u>4A</u> | |
| Whatcom | Refrigeration & Air Conditioning Mechanics | Journey Level | \$23.95 | | 1 | |
| Whatcom | Residential Brick Mason | Journey Level | \$54.32 | <u>5A</u> | <u>1M</u> | |
| Whatcom | Residential Carpenters | Journey Level | \$23.81 | | 1 | |
| Whatcom | Residential Cement Masons | Journey Level | \$27.28 | | 1 | |
| Whatcom | Residential Drywall Applicators | Journey Level | \$25.00 | | 1 | |
| Whatcom | Residential Drywall Tapers | Journey Level | \$23.91 | | 1 | |

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|---------|--|-------------------------------|---------|------|----|
| Whatcom | Residential Electricians | Journey Level | \$37.65 | | 1 |
| Whatcom | Residential Glaziers | Journey Level | \$13.79 | | 1 |
| Whatcom | Residential Insulation Applicators | Journey Level | \$13.96 | | 1 |
| Whatcom | Residential Laborers | Journey Level | \$20.00 | | 1 |
| Whatcom | Residential Marble Setters | Journey Level | \$54.32 | 5A | 1M |
| Whatcom | Residential Painters | Journey Level | \$17.43 | | 1 |
| Whatcom | Residential Plumbers & Pipefitters | Journey Level | \$28.26 | | 1 |
| Whatcom | Residential Refrigeration & Air Conditioning Mechanics | Journey Level | \$39.88 | 5A | 1G |
| Whatcom | Residential Sheet Metal Workers | Journey Level (Field or Shop) | \$36.04 | 7J | 1I |
| Whatcom | Residential Soft Floor Layers | Journey Level | \$23.46 | | 1 |
| Whatcom | Residential Sprinkler Fitters (Fire Protection) | Journey Level | \$13.23 | | 1 |
| Whatcom | Residential Stone Masons | Journey Level | \$54.32 | 5A | 1M |
| Whatcom | Residential Terrazzo Workers | Journey Level | \$11.00 | | 1 |
| Whatcom | Residential Terrazzo/Tile Finishers | Journey Level | \$14.00 | | 1 |
| Whatcom | Residential Tile Setters | Journey Level | \$11.00 | | 1 |
| Whatcom | Roofers | Journey Level | \$25.27 | | 1 |
| Whatcom | Sheet Metal Workers | Journey Level (Field or Shop) | \$61.20 | 7F | 1E |
| Whatcom | Shipbuilding & Ship Repair | Boilermaker | \$41.72 | 7M | 1H |
| Whatcom | Shipbuilding & Ship Repair | Carpenter | \$15.16 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Crane Operator | \$16.04 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Electrician | \$15.18 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Heat & Frost Insulator | \$65.68 | 5J | 4H |
| Whatcom | Shipbuilding & Ship Repair | Inside Machinist | \$16.70 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Laborer | \$23.38 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Outside Machinist | \$14.69 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Painter | \$15.16 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Pipefitter | \$15.18 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Sheet Metal | \$20.26 | | 1 |
| Whatcom | Shipbuilding & Ship Repair | Welder/burner | \$15.21 | | 1 |
| Whatcom | Sign Makers & Installers (Electrical) | Journey Level | \$16.03 | | 1 |
| Whatcom | Sign Makers & Installers (Non-Electrical) | Journey Level | \$14.23 | | 1 |
| Whatcom | Soft Floor Layers | Journey Level | \$45.86 | 5A | 3D |
| Whatcom | Solar Controls For Windows | Journey Level | \$11.00 | | 1 |
| Whatcom | Sprinkler Fitters (Fire Protection) | Journey Level | \$56.81 | 7J | 1R |
| Whatcom | Stage Rigging Mechanics (Non Structural) | Journey Level | \$13.23 | | 1 |
| Whatcom | Stone Masons | Journey Level | \$54.32 | 5A | 1M |
| Whatcom | Street And Parking Lot Sweeper Workers | Journey Level | \$15.00 | | 1 |
| Whatcom | Surveyors | All Classifications | \$36.16 | Null | 1 |
| Whatcom | Telecommunication Technicians | Journey Level | \$45.07 | 7E | 1E |
| Whatcom | Telephone Line Construction - Outside | Cable Splicer | \$38.84 | 5A | 2B |
| Whatcom | Telephone Line Construction - | Hole Digger/Ground Person | \$21.45 | 5A | 2B |

| | | | | | |
|---------|--|--------------------------------------|---------|-----------|-----------|
| | Outside | | | | |
| Whatcom | Telephone Line Construction - Outside | Installer (Repairer) | \$37.21 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Special Aparatus Installer I | \$38.84 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Special Apparatus Installer II | \$38.03 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Telephone Equipment Operator (Heavy) | \$38.84 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Telephone Equipment Operator (Light) | \$36.09 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Telephone Lineperson | \$36.09 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Television Groundperson | \$20.33 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Television Lineperson/Installer | \$27.21 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Television System Technician | \$32.55 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Television Technician | \$29.18 | <u>5A</u> | <u>2B</u> |
| Whatcom | Telephone Line Construction - Outside | Tree Trimmer | \$36.09 | <u>5A</u> | <u>2B</u> |
| Whatcom | Terrazzo Workers | Journey Level | \$50.26 | <u>5A</u> | <u>1M</u> |
| Whatcom | Tile Setters | Journey Level | \$50.26 | <u>5A</u> | <u>1M</u> |
| Whatcom | Tile, Marble & Terrazzo Finishers | Finisher | \$41.09 | <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 | \$11.00 | | <u>1</u> |
| Whatcom | Well Drillers & Irrigation Pump Installers | Well Driller | \$18.02 | | <u>1</u> |

Benefit Code Key – Effective 3/3/2017 thru 8/30/2017

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

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

Overtime Codes Continued

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

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, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
 - C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

3.
 - D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
 - C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

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:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- 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

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and

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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).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating

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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).

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls

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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.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$2.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$3.00 per Foot for Each Foot Over 100 Feet
Over 150' To 220' -\$4.00 per Foot for Each Foot Over 150 Feet
Over 220' -\$5.00 per Foot for Each Foot Over 220 Feet

Note Codes Continued

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price
- D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

Benefit Code Key – Effective 3/3/2017 thru 8/30/2017

- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.

APPENDIX B – AGC AGREEMENT
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**AGC – WSDOT
EQUIPMENT RENTAL AGREEMENT**

Effective Date: May 1, 2007 Until Further Notice

It is mutually agreed by the parties to this agreement that rental rates to be paid Contractors for equipment used on force account will be established in accordance with Section 1-09.6 of the Standard Specifications and this agreement. The following rules have been agreed to:

1. **General**

The Rental Rate Blue Book published by Primedia Information, Inc., as clarified or modified by this agreement, will be used to establish rental rates for equipment approved for use on force account work. Rate modifications, indicated on Regional Adjustment Maps in the Blue Book and as applied automatically by the Blue Book CD (Washington State Version), shall be used for all equipment covered under this agreement. Updates to the Rental Rate Book, in compact disk format, are published on a schedule determined by Primedia Information, Inc. Each update will become applicable to force accounts fourteen days after the date on which Primedia Information, Inc. declares the update to be effective. Equipment used under the terms of this agreement will be at the rates in effect for each section of the Blue Book at the time of use except that calculations made prior to the applicable date, using the previous rates, will not be changed.

2. **Rental Rate**

The hourly rental rate for equipment utilized on force account shall be a combination of the following items:

- a. The Blue Book monthly rate multiplied by the Rate Adjustment factors for age and geographic location divided by 176.
- b. Attachments will be included in the rental rate when the Engineer deems them necessary to accomplish the force account work. An approved attachment that is continuously attached and used intermittently during the work will be paid for the same duration as the host equipment. When multiple attachments are approved for use, and the attachments are being used interchangeably on the force account operation, only the one attachment having the higher rate will be paid.
- c. The hourly operating cost for each hour that the equipment is in use. "In use" shall mean that the presence of the equipment is necessary for the operation and that the equipment is present and is not being used for other activities while the force account work is underway. Under the circumstances, the equipment shall be paid at its hourly rate plus the hourly operating cost.

3. **Standby Time**

Standby time shall be defined as the time during which equipment is idled and cannot be assigned to other work on the project. Only that equipment which has been utilized for work on the force account and is expected to be utilized again on the same force account will be eligible for standby compensation. The Contractor is expected to utilize idled equipment on other work if reasonably possible. Standby time will only be paid if the Engineer has had an opportunity to evaluate the cost of standby versus the cost of mobilizing and demobilizing and has ordered standby.

When ordered by the Engineer, standby time shall be paid at one-half of the rate established in accordance with this agreement. The operating cost shall not be included in the calculation for establishing the standby rate. Standby time will not be compensated beyond that amount which will bring the resulting total of operated time and standby time to 8 hours in any one day or 40 hours in any one week.

4. **Rental Equipment**

If Contractor-owned equipment is not reasonably available, the Engineer may approve the use of operated or non-operated rental equipment. Operated equipment shall be considered a "service" and shall be compensated according to section 4 of the force account specification. Non-operated equipment shall be compensated according to the provisions for rented equipment in section 3 of the force account specifications. If the invoice costs of non-operated equipment do not specifically say the fuel is included, the Rental Rate Blue Book Hourly Operating Cost shall be added for each hour the equipment operates.

When invoiced equipment is used on both force account and non-force account work, payment for the equipment will be a prorated share of the invoice cost. The time period covered by the invoice shall reflect the normal practice of the renting agency, except that the time period shall not exceed one month. When calculating the prorated share, the amounts of standby time for both types of work will be considered according to the formula:

$$\text{Share of Invoice to be charged to Force Account} = \frac{\text{FC}}{\text{FC} + \text{NFC}}$$

Where:

FC = \$ Force account including standby time.

NFC = \$ Non-force account including standby time.

5. **Mobilization**

Force account mobilization of equipment is defined as the preparatory work performed by the Contractor including procurement, loading and transportation of equipment that is intended for use in a force account. A pro-rata adjustment will be made when the equipment is eventually used for regular contract work in addition to the force account work. Mobilization also included the costs incurred during demobilization. The costs will be included in the appropriate sections (Labor, Equipment, Services, etc) depending on the nature of the cost. If the equipment being mobilized is hauled, payment will cover the hauling vehicle (operated cost). In the event that equipment is transferred under its own power, the payment will cover the operated cost of the equipment plus operator costs. Move-out, or demobilization costs will provide for the return of the equipment to the location from which it was obtained. In the event that the move-out is to a different location, payment will not exceed the amount of the move-in.

If approved by the Engineer, payment will be allowed for moving equipment from work site to work site within the project after the equipment is on the job.

Charges for mechanic's time utilized in servicing equipment to ready it for use prior to moving to the project and similar charges will not be allowed.

6. **Blue Book Omissions**

In the event a rate has not been established for a particular piece of equipment in the Rental Rate Blue Book, a rate will be established, utilizing one or more of the following methods:

- a. Use a rate for the most similar model found in the applicable Blue Book. Such characteristics as manufacturer, capacity, horsepower, and fuel type will be used as the basis for selecting a similar model.
- b. Contact Primedia Information, Inc, (through the WSDOT OSC Construction Office) for the rate not included in the Book.
- c. Utilize a rate agreed upon by the parties.
- d. For equipment that is older than 20 years the oldest adjustment rate available in the book shall be used.

7. **Breakdown**

The Contractor shall provide reasonable maintenance efforts for equipment utilized in force account. When a breakdown occurs for any piece of equipment being used on force account work, the Contractor shall divert idled equipment. Payment shall cease for the equipment that is broken down. Payment shall also cease for any other equipment that is idled as a result of the breakdown (there will be no standby payment.) Payment for any labor that is idled as a result of the breakdown will be made in accordance with provisions of section 1 of the force account specifications, particularly as related to contractual obligations and normal practices of the Contractor.

8. **Shutdown**

If the Engineer orders a shutdown of any or all of the force account, the equipment idled as a result of the shutdown shall be diverted to other work. When diversion of equipment is not practical, standby time may be paid during non-operating hours as provided in Item 3 of this agreement.

The Engineer reserves the right to cease standby payment for equipment that is idled as a result of a shutdown when the shutdown is anticipated to be for an extended period of time. No further payment shall be allowed after the date the Engineer makes this determination except as provided in Item 5 of this agreement, "Mobilization."

Standby time shall not be paid when shutdown is the result of the fault or negligence of the Contractor.

9. **Small Tools**

Any contractor-owned equipment listed in the Blue Book with a monthly rate of less than \$100 and any other equipment with a purchase price of less than \$500 shall be considered Small Tools and shall be paid by negotiation rather than using an hourly rate (except for rentals.) Any such small tool that is rented shall be paid according to the rental provisions in the Equipment section of this agreement. All other Small Tools shall be paid by agreement of the parties. After the force account work has been completed, (or more often, by agreement of the parties,) the Contractor shall promptly supply a list of small tools and equipment that have been utilized in the work. The list shall be supported by invoices or, in the event the item came from stock, by a Contractor affidavit of purchase cost. The negotiation of the Small Tools payment may include discussions of shared use with other work and of residual value, if appropriate. Once agreed upon, the small tools amount will be added to the payment amount in the Equipment section (Section 3 of the force account specification.)

10. **Aeration Equipment**

The rental rate for plows and discs shall be as listed below:

Plows and discs meeting the requirements of Section 2-03.3(15) of the Standard Specifications shall be paid at the rate of \$9.60 per hour.

Add \$0.70 per hour per foot of width for additional width of disc more than 10 ft.

Motive power for discs and plows shall be capable of pulling discs and plows at the speeds specified in Section 2-03.3(15) of the Standard Specifications. Payment for motive power shall be 100 percent of the rates in this agreement except that equipment having motive power in excess of 340 horsepower shall be paid at 100 percent of the highest equipment rate for a comparable unit of the same manufacturer having less than 340 horsepower.

Payment for all other equipment approved for Aeration shall be at the rates established in accordance with this agreement when used for aeration work.

10. **Concurrence, Review Time**

This agreement is issued after conference among representatives of the Associated General Contractors of Washington and the Washington State Department of Transportation and has the approval of both. Either party may request a review after a one-year period.

Associated General Contractors of Washington

**Washington State Department of
Transportation**

A handwritten signature in cursive script, appearing to read "Van Collins", written over a horizontal line.

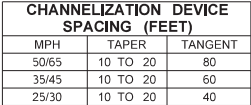
Van Collins
Southern District Manager

A handwritten signature in cursive script, appearing to read "Linea Laird", written over a horizontal line.

Linea Laird
State Construction Engineer

APPENDIX C – TRAFFIC CONTROL PLANS
(This Page Intentionally Left Blank)

| SIGN SPACING = X (1) | | |
|--|----------------|------------|
| RURAL HIGHWAYS | 60 / 65 MPH | 800' ± |
| RURAL ROADS | 45 / 55 MPH | 500' ± |
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' ± |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' ± (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' ± (2) |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS. | | |







- NOTES:**
1. ALL SIGNS ARE BLACK ON ORANGE.
 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
 4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

LEGEND

| | |
|---|-------------------------|
|  | FLAGGING STATION |
|  | TEMPORARY SIGN LOCATION |
|  | CHANNELIZING DEVICES |
|  | PROTECTIVE VEHICLE |

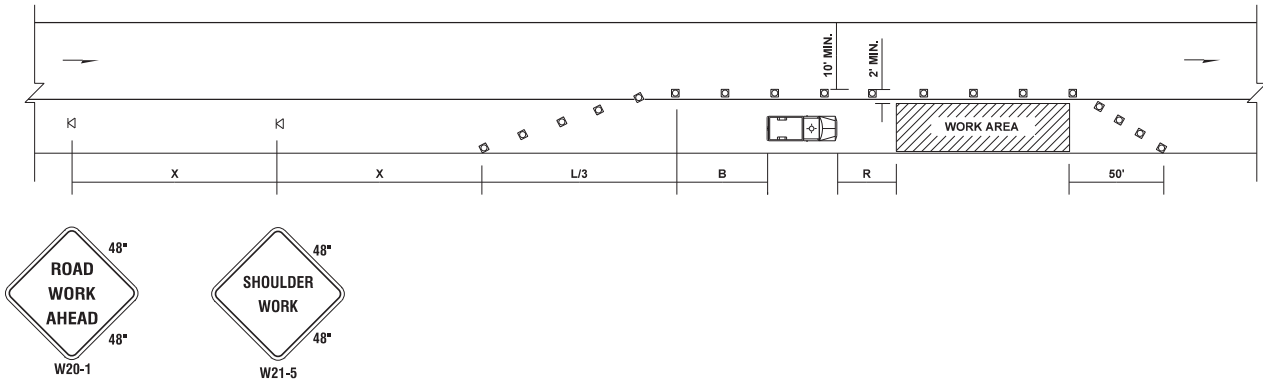
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| FILE NAME S:\Design R P& S\4-Standards\2-Plan Sheet Library\02-PSL Work In Progress\Fern\TC1 - TC-17 Buffer Data table replacement\TC-1.dgn | | | | | | | | | | Plot 1 | |
| TIME 1:39:43 PM | | | | | | | | | | PLAN REF NO | |
| DATE 10/14/2016 | | | | | | | | | | TC1 | |
| PLOTTED BY llddell | | | | | | | | | | SHEET | |
| DESIGNED BY | | | | | | | | | | OF | |
| ENTERED BY | | | | | | | | | | SHEETS | |
| CHECKED BY | | | | | | | | | | | |
| PROJ. ENGR. | | | | | | | | | | | |
| REGIONAL ADM. | | | | | | | | | | | |
| REVISION | | | | | | | | | | | |
| DATE | | | | | | | | | | | |
| BY | | | | | | | | | | | |
| REGION NO. | | | | | | | | | | FED.AID PROJ.NO. | |
| STATE | | | | | | | | | | | |
| WASH | | | | | | | | | | | |
| JOB NUMBER | | | | | | | | | | | |
| CONTRACT NO. | | | | | | | | | | LOCATION NO. | |
| DATE | | | | | | | | | | DATE | |
| P.E. STAMP BOX | | | | | | | | | | P.E. STAMP BOX | |
| TRAFFIC CONTROL PLAN | | | | | | | | | | | |

| SIGN SPACING = X (1) | | |
|--|----------------|------------|
| RURAL ROADS & URBAN ARTERIALS | 35 / 40 MPH | 350' ± |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25 / 30 MPH | 200' ± (2) |
| URBAN STREETS | 25 MPH OR LESS | 100' ± (2) |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS. | | |




| MINIMUM SHOULDER TAPER LENGTH = L/3 (feet) | | | | | | | | | | |
|--|--------------------|----|----|----|----|----|----|----|----|----|
| SHOULDER WIDTH (feet) | Posted Speed (mph) | | | | | | | | | |
| | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 8' | 40 | 40 | 60 | 90 | - | - | - | - | - | - |
| 10' | 40 | 60 | 90 | 90 | - | - | - | - | - | - |
| USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8' | | | | | | | | | | |

| CHANNELIZATION DEVICE SPACING (feet) | | |
|--------------------------------------|-------|---------|
| MPH | TAPER | TANGENT |
| 35/40 | 30 | 60 |
| 25/30 | 20 | 40 |

| BUFFER DATA | | | | | | | | | | |
|--|-----------|-----|----------|-----|--------------------------------------|-----------|-----|----------|-----|-----|
| LONGITUDINAL BUFFER SPACE = B | | | | | | | | | | |
| SPEED (MPH) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| LENGTH (feet) | 155 | 200 | 250 | 305 | 360 | 425 | 495 | 570 | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R | | | | | | | | | | |
| HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. | | | | | HOST VEHICLE WEIGHT > 22,000 lbs. | | | | | |
| < 45 MPH | 45-55 MPH | | > 55 MPH | | < 45 MPH | 45-55 MPH | | > 55 MPH | | |
| 100' | 123' | | 172' | | 74' | 100' | | 150' | | |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R | | | | | | | | | | |
| NO SPECIFIED DISTANCE REQUIRED | | | | | | | | | | |



LEGEND


-  TEMPORARY SIGN LOCATION
-  CHANNELIZING DEVICES
-  PROTECTIVE VEHICLE

SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)

NOT TO SCALE

NOTES:

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
2. ALL SIGNS ARE BLACK ON ORANGE.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| FILE NAME S:\Design R P & S\4-Standards\2-Plan Sheet Library\02-PSL Work In Progress\Fern\TC1 - TC-17 Buffer Data table replacement\TC-5.dgn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | Plot 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DESIGNED BY | | | | | | | | | | CONTRACT NO. | | | | | | | | | | LOCATION NO. | | | | | | | | | | | | | | | | | | | | OF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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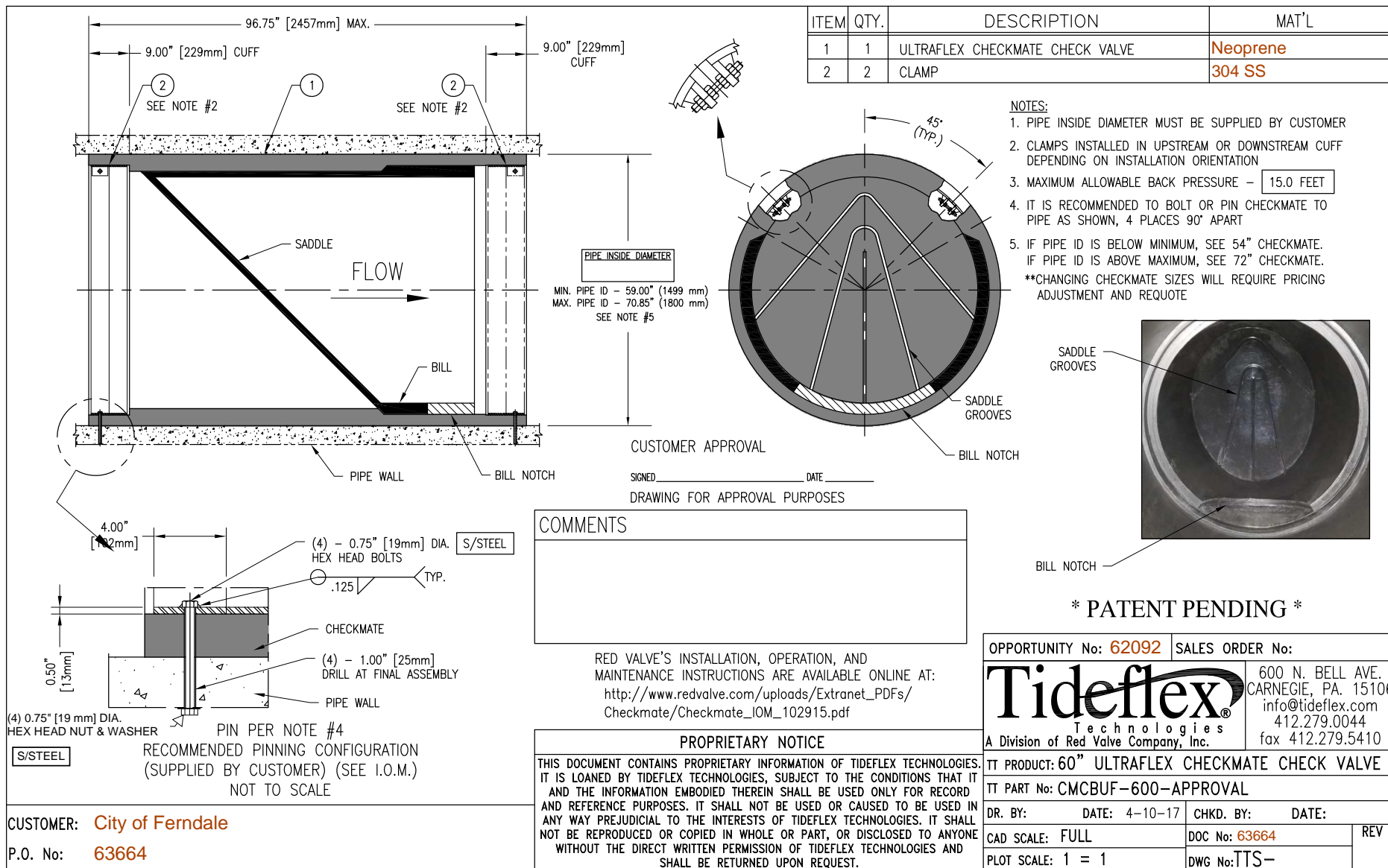
P.E. STAMP BOX DATE

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TRAFFIC CONTROL PLAN

**APPENDIX D – 60” TIDEFLEX CHECKMATE ULTRAFLEX SLIP-IN,
IN-LINE CHECK VALVE CATALOG CUT SHEET/SDCB D1 CUT SHEET**
(This Page Intentionally Left Blank)





Granite Precasting & Concrete
4116 Bakerview Spur
Bellingham, WA 98226
Phone: (360) 671-2251
Fax: (360) 671-0780

Quote Number: 11317

Order Date: 6/13/2017

Customer Copy

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| Bill to: | QUOTE 1 ESTIMATOR | Delivery to: | GATEWAY NORTH, FERNDAL | | |
| Contact: | ESTIMATOR | Project Manager: | | | |
| Phone : | | Fax: | | Phone : | Fax: |
| Customer ID: | QUOTE 1 | PO: | | ShipVia: | GPC |
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| 96" General Storm R Unit | | 37,506 | 1 | \$7,607.60 | \$7,607.60 |
| 096BS | 96" X 12" BOTTOM SLAB | 9,980 | 1 | | |
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