

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3671

**PANTHER LAKE ROAD WEST  
CULVERT REPLACEMENT  
AT MILE POST 0.75**



KITSAP COUNTY, WASHINGTON

**CONTRACT PROVISIONS**

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
614 DIVISION STREET MS26  
PORT ORCHARD, WASHINGTON 98366-4699  
360.337.5777

JONATHON L. BRAND, P.E.  
COUNTY ENGINEER

**THIS PAGE INTENTIONALLY LEFT BLANK**

# TABLE OF CONTENTS

CALL FOR BIDS .....	1
PROPOSAL .....	3
BIDDER RESPONSIBILITY STATEMENT.....	11
PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT .....	14
BID BOND.....	15
AGREEMENT .....	17
PAYMENT BOND.....	21
PERFORMANCE BOND.....	23
STANDARD SPECIFICATIONS.....	25
INTRODUCTION.....	25
AMENDMENTS TO THE STANDARD SPECIFICATIONS .....	25
SECTION 1-02, BID PROCEDURES AND CONDITIONS .....	25
SECTION 1-06, CONTROL OF MATERIAL.....	26
SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC.....	27
SECTION 1-08, PROSECUTION AND PROGRESS .....	28
SECTION 1-09, MEASUREMENT AND PAYMENT .....	28
SECTION 5-02, BITUMINOUS SURFACE TREATMENT .....	28
SECTION 6-02, CONCRETE STRUCTURES .....	29
SECTION 6-09, MODIFIED CONCRETE OVERLAYS .....	30
SECTION 6-14, GEOSYNTHETIC RETAINING WALLS.....	30
SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL.....	31
SECTION 8-10, GUIDE POSTS.....	32
SECTION 8-20, ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL.....	32
SECTION 8-22, PAVEMENT MARKING.....	34
SECTION 9-03, AGGREGATES .....	34
SECTION 9-04, JOINT AND CRACK SEALING MATERIALS.....	37
SECTION 9-07, REINFORCING STEEL.....	38
SPECIAL PROVISIONS.....	39
INTRODUCTION TO THE SPECIAL PROVISIONS .....	39
DIVISION 1 GENERAL REQUIREMENTS.....	39
DESCRIPTION OF WORK .....	39
Description of Work.....	39
1-01 DEFINITIONS AND TERMS .....	40
1-01.3 Definitions .....	40

1-02	BID PROCEDURES AND CONDITIONS.....	42
1-02.1	Prequalification of Bidders.....	42
1-02.2	Plans and Specifications .....	42
1-02.4(2)	Subsurface Information.....	43
1-02.5	Proposal Forms.....	43
1-02.6	Preparation of Proposal.....	44
1-02.7	Bid Deposit.....	45
1-02.9	Delivery of Proposal .....	45
1-02.10	Withdrawing, Revising, or Supplementing Proposal.....	46
1-02.12	Public Opening of Proposal.....	46
1-02.13	Irregular Proposals.....	47
1-02.14	Disqualification of Bidders .....	48
1-02.15	Pre Award Information.....	52
1-03	AWARD AND EXECUTION OF CONTRACT .....	53
1-03.1	Consideration of Bids .....	53
1-03.3	Execution of Contract.....	54
1-03.4	Contract Bond .....	54
1-03.7	Judicial Review.....	55
1-04	SCOPE OF WORK .....	56
1-04.2	Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda .....	56
1-04.6	Variation in Estimated Quantities .....	56
1-05	CONTROL OF WORK .....	56
1-05.7	Removal of Defective and Unauthorized Work.....	56
1-05.11	Final Inspection.....	57
1-05.13	Superintendents, Labor and Equipment of Contractor .....	59
1-05.14	Cooperation With Other Contractors .....	59
1-05.15	Method of Serving Notices .....	59
1-05.16	Water and Power .....	60
1-06	CONTROL OF MATERIALS .....	60
1-06.6	Recycled Materials .....	60
1-07	LEGAL REGULATIONS AND RESPONSIBILITIES TO THE PUBLIC.....	60
1-07.1	Laws to be Observed .....	60
1-07.2	State Taxes .....	61
1-07.17	Utilities and Similar Facilities.....	63
1-07.17(0)	Payment for Protection and Support of Existing Utilities.....	64
1-07.18	Public Liability and Property Damage Insurance.....	64
1-07.23	Public Convenience and Safety .....	69
1-07.23(1)	Construction under Traffic.....	69
1-07.24	Rights of Way.....	70
1-08	PROSECUTION AND PROGRESS .....	71
1-08.0	Preliminary Matters .....	71
1-08.0(1)	Preconstruction Conference .....	71
1-08.0(2)	Hours of Work.....	72
1-08.4	Notice to Proceed and Prosecution of Work.....	73

1-08.5	TIME FOR COMPLETION .....	73
1-08.9	Liquidated Damages .....	74
1-09	MEASUREMENT AND PAYMENT .....	75
1-09.6	Force Account .....	75
1-09.9	Payments .....	75
1-09.11(3)	Time Limitation and Jurisdiction.....	76
1-09.13(3)A	Administration of Arbitration .....	77
1-10	TEMPORARY TRAFFIC CONTROL .....	77
1-10.2	Traffic Control Management.....	77
1-10.2(1)	General .....	77
1-10.2(2)	Traffic Control Plans (TCP).....	78
1-10.4	Measurement .....	78
1-10.4(1)	Lump Sum Bid for Project (No Unit Items).....	78
DIVISION 2	EARTHWORK .....	78
2-01	CLEARING, GRUBBING, AND ROADSIDE CLEANUP.....	78
2-01.1	Description .....	78
2-01.2	Disposal of Usable Material and Debris .....	78
2-02	REMOVAL OF STRUCTURES AND OBSTRUCTIONS .....	79
2-02.1	Description .....	79
2-02.3	Construction Requirements.....	79
2-02.3(1)	Removal of Obstructions.....	79
2-02.3(3)	Removal of Pavement, Sidewalks, Curbs and Gutters .....	79
2-02.4	Measurement .....	80
2-02.5	Payment .....	80
2-03	ROADWAY EXCAVATION AND EMBANKMENT .....	80
2-03.2	Materials.....	80
2-03.3	Construction Requirements.....	80
2-03.3(7)	Disposal of Surplus Material .....	80
2-03.3(13)	Borrow .....	81
2-03.3(14)N	Special Borrow including Haul.....	81
2-03.4	Measurement .....	81
2-03.5	Payment.....	82
2-07	WATERING.....	82
2-07.4	Measurement .....	82
2-09	STRUCTURE EXCAVATION .....	82
2-09.3	Construction Requirements.....	82
2-09.3(1)A	Staking, Cross-Sectioning and Inspecting .....	82
2-09.3(1)C	Removal of Unstable Base Material .....	83
2-09.5	Payment .....	83
DIVISION 4	BASES.....	83
4-04	BALLAST AND CRUSHED SURFACING.....	83
4-04.3	Construction Requirements.....	83
4-04.3(7)	Miscellaneous Requirements.....	83

DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS.....	83
5-04 HOT MIX ASPHALT .....	83
5-04.3 Construction Requirements.....	83
5-04.3(3)A Material Transfer Device / Vehicle.....	84
5-04.3(7)A2 Statistical or Nonstatistical Evaluation .....	84
5-04.3(8)A1 General.....	85
5-04.3(8)A4 Definition of Sampling Lot and Sublot.....	85
5-04.3(8)A5 Test Results .....	86
5-04.3(8)A6 Test Methods.....	86
5-04.3(17) Paving Under Traffic .....	86
5-04.4 Measurement .....	86
5-04.5 Payment.....	86
5-04.5(1)B Price Adjustments for Quality of HMA Compaction .....	86
DIVISION 7 DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS AND CONDUITS.....	87
7-02 CULVERTS .....	87
7-02.3 Construction Requirements.....	87
7-02.3(6)A1 Design Criteria.....	87
7-06 Temporary Stream Diversion .....	87
7-06.1 Description .....	87
7-06.2 Materials.....	87
7-06.3 Construction Requirements.....	88
7-06.4 Vacant.....	94
7-06.5 Payment.....	94
7-08 GENERAL PIPE INSTALLATION REQUIREMENTS.....	95
7-08.3 Construction Requirements.....	95
7-08.3(1) Excavation and Preparation of Trenches .....	95
7-08.3(1) A Trenches .....	95
7-08.5 Payment.....	95
DIVISION 8, MISCELLANEOUS CONSTRUCTION .....	96
8-01 EROSION CONTROL AND WATER POLLUTION CONTROL .....	96
8-01.1 Description .....	96
8-01.3 Construction Requirements.....	96
8-01.3(1)A Submittals.....	96
8-01.3(2) Seeding, Fertilizing and Mulching .....	96
8-01.3(2)B Seeding and Fertilizing .....	96
8-01.3(2)B3 Fertilizer.....	96
8-01.3(2)D Mulch.....	97
8-01.4 Measurement .....	97
8-01.5 Payment.....	97
8-15 RIPRAP.....	97
8-15.4 Measurement .....	97
8-15.5 Payment.....	97

DIVISION 9 MATERIALS .....	98
9-03 AGGREGATES .....	98
9-03.8(2) HMA Test Requirements .....	98
9-03.14 Borrow .....	98
9-03.14(5) Special Borrow .....	98
9-03.21 Recycled Materials .....	98
Standard Plans .....	98

**ATTACHMENTS**

WASHINGTON STATE PREVAILING WAGE RATES

STANDARD PLANS FOR TRAFFIC CONTROL

WSDFW HPA FOR PANTHER LAKE ROAD WEST CULVERT REPLACEMENT  
 PERMIT # 2016-6-489+01, ISSUE DATE SEPTMEBER 16, 2016.

DEPARTMENT OF THE ARMY CORPS OF ENGINEER'S PERMIT REFERENCE  
 NUMBER NWS-2016-0644 DATED SEPTEMBER 6, 2016.

**THIS PAGE INTENTIONALLY LEFT BLANK**

## CALL FOR BIDS

### KITSAP COUNTY ROAD PROJECT No 3671

#### PANTHER LAKE ROAD WEST CULVERT REPLACEMENT AT MILE POST 0.75

BID OPENING: DATE: **DECEMBER 6, 2016** TIME: **11:00 AM**

Sealed bids for the project designated above will be received by Kitsap County Department of Public Works before the time and date indicated above, at which time they will be opened and publicly read aloud. Bids will be received at the third floor Reception Desk, Kitsap County Department of Public Works Building, 507 Austin Street, Port Orchard, Washington. Instructions for the delivery of bids are contained in the Special Provisions for this project. Prospective bidders are hereby notified that they are solely responsible for ensuring timely delivery of their bid to the place of bid opening.

All bid proposals shall be accompanied by a bid proposal surety bond made payable to Kitsap County Department of Public Works 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 and payment bonds within the time stated in the Special Provisions, the bid proposal bond shall be forfeited to Kitsap County Department of Public Works.

Each proposal or bid shall be completely sealed in a separate envelope, properly addressed as stated above, with the name and address of the bidder and the name of the project plainly written on the outside of the envelope. A complete bid proposal shall include the following:

- (1) Proposal Form
- (2) Bid Bond
- (3) Bidder Responsibility Statement
- (4) Non-Collusion Affidavit
- (5) Proposal for Incorporating Recycled Materials into the Project

All of the above items must be complete in all respects, including signatures (notarized where required). Bidder shall acknowledge receipt of all addendums in the spaces provided. The successful bidder will be required to submit a photocopy of their current Washington State Contractors Registration. Failure to include all items may be cause for the bid to be considered irregular and thereby rejected. Bids or proposals received after the time set for the opening of bids will not be considered.

Bidders are notified that all bids are likely to be rejected if the lowest responsible bid received exceeds the Engineer's estimate by an unreasonable amount. Kitsap County reserves the right to award the bid in a manner and on a basis which will best serve the

County, taking into consideration the Bidder Responsibility Statement included with the bids and the requirements of the WSDOT/APWA Standard Specifications and the Contract Provisions.

The award of the contract, if made, shall be made to the responsible bidder submitting the lowest responsive bid, based upon the total sum of the extension of unit prices for the bid items.

Paper copies of the Plans and Contract Provisions for the proposed project may be obtained by mail from the Kitsap County Department of Public Works at 614 Division Street, M.S. 26, Port Orchard, Washington 98366-4699, or in person at 507 Austin Street, Port Orchard, Washington, telephone 360.337.5682 or 360.337.4520 for a non-refundable fee of \$35.00 for each set plus \$10.00 to cover postage and handling if mailing is requested. Plans and Contract Provisions will not be shipped until the fee is received.

Informational copies of maps, plans and specifications are on file in the office of the County Engineer, Kitsap County Department of Public Works Building 507 Austin Street, Port Orchard, Washington or on the internet at the Kitsap County web site located at <http://www.kitsapgov.com/pw/roadbids.htm>.

#### **DESCRIPTION OF WORK**

This contract provides for the improvement of Panther Lake Road West in southwestern Kitsap County by replacing a failing culvert at Mile Post 0.75. The work proposed consists of Preparation, Drainage, Precast Reinforced Concrete Three Sided Structure, Surfacing, HMA Pavement, Erosion \ Water Pollution Control, Traffic Safety and Control and other work in accordance with the Contract Documents.

**Bidders are advised that work on this project will not commence prior to JULY 17, 2017.**

#### **NOTICE TO ALL PLAN HOLDERS:**

The office of the Kitsap County Engineer who will show this project to prospective bidders is located at the Kitsap County Department of Public Works, 507 Austin Street, Port Orchard Washington. Prospective bidders are requested to call Dick Dadisman at 360.337.5777, Ext. 3556, in advance to set up an appointment to view the project. To be added to the Project plan holder list or to obtain a paper copy of the Bid Proposal Package at no cost, please call Cindy Keiser at 360.337.5682, email at [ckeiser@co.kitsap.wa.us](mailto:ckeiser@co.kitsap.wa.us) or Laura Knight at 360.337.4520 email at [lknight@co.kitsap.wa.us](mailto:lknight@co.kitsap.wa.us).

#### **KITSAP COUNTY BOARD OF COMMISSIONERS**

**KITSAP COUNTY ROAD PROJECT No. 3671**

**PANTHER LAKE ROAD WEST  
CULVERT REPLACEMENT  
AT MILE POST 0.75**

**PROPOSAL**

The Honorable Board of Commissioners  
Kitsap County  
614 Division Street  
Port Orchard, Washington 98366

Lady and Gentlemen:

1. Pursuant to and in compliance with your Advertisement for Bids and the other documents relating thereto, the undersigned Bidder, having familiarized themselves with the terms of the project related to those items herein bid, being aware of the local conditions affecting the performance of a Contract covering the items bid, having knowledge of the cost of the work at the place where the work is to be done, having familiarized themselves with the Contract Documents, hereby proposes and agrees to perform the work and/or to furnish the equipment, and to furnish any and all of the labor, materials, tools, expendable equipment and all utility and transportation services necessary to perform a Contract covering any or all of those items herein bid and to complete in a workmanlike manner all work covered by said Contract in connection with the Owner's Road Improvement Project, for an amount computed upon the basis of the quantity of work actually performed at the following bid prices:

**NOTE: UNIT PRICES FOR ALL ITEMS, ALL EXTENSIONS, AND THE TOTAL AMOUNT OF BID MUST BE SHOWN. All prices shall be in legible figures (not words) written in ink or typed. The proposal shall include: A unit price for each item (omitting digits more than four places to the right of the decimal point); An extension for each unit price (omitting digits more than two places to the right of the decimal point); The total contract price (the sum of all extensions).**

Item No.	Approximate Quantity	ITEM NAME & WSDOT Standard Item number	Unit Price Dollars & Cents	Amount Dollars & Cents
1	1 LUMP SUM	MOBILIZATION (0001)		
2	1 LUMP SUM	CLEARING AND GRUBBING (0035)		

3	1 LUMP SUM	REMOVAL OF STRUCTURE AND OBSTRUCTION (0050)		
4	140 S.Y.	REMOVING ASPHALT CONCRETE PAVEMENT (0120)		
5	1 LUMP SUM	PROTECTION AND SUPPORT OF EXISTING UTILITIES (Non-Standard)		
6	40 L.F.	SAW CUT ASPHALT CONCRETE PAVEMENT (Non-Standard)		
7	15 C.Y.	UNSUITABLE FOUNDATION EXCAVATION INCLUDING HAUL (0350)		
8	30 TON	SPECIAL BORROW INCLUDING HAUL (Non-Standard)		
9	10 C.Y.	CHANNEL EXCAVATION INCLUDING HAUL (1040)		
10	10 TONS	QUARRY SPALLS (1085)		
11	130 TON	STREAMBED SEDIMENT (1093)		
12	35 TON	STREAMBED COBBLES - 6 INCH DISTRIBUTION (1094)		
13	1 LUMP SUM	TEMPORARY STREAM DIVERSION (3075)		
14	1 LUMP SUM	FISH EXCLUSION (Non-Standard)		

15	360 C.Y.	STRUCTURE EXCAVATION CLASS A INCLUDING HAUL (4006)		
16	1 LUMP SUM	SHORING OR EXTRA EXCAVATION CLASS A (4013)		
17	100 C.Y.	GRAVEL BACKFILL FOR WALL (4025)		
18	1 LUMP SUM.	PRECAST REINFORCED CONCRETE THREE SIDED STRUCTURE (4345)		
18	80 TON.	CRUSHED SURFACING BASE COURSE (5100)		
19	30 TON	CRUSHED SURFACING TOP COURSE (5120)		
20	25 TON	COMMERCIAL HMA (5875)		
21	45 S.Y.	SEEDING, FERTILIZING AND MULCHING (Non-Standard)		
22	45 S.Y.	BIODEGRADABLE EROSION CONTROL BLANKET (6455)		
23	1 LUMP SUM	EROSION / WATER POLLUTION CONTROL (Non-Standard)		
24	1 LUMP SUM	PROJECT TEMPORARY TRAFFIC CONTROL (6971)		
25	5 M GALLON	WATER (7018)		

27	1 LUMP SUM	TRIMMING AND CLEANUP (7490)		
28	1 EACH	MAILBOX SUPPORT TYPE 1 (7562)		
29	ESTIMATE	REIMBURSEMENT FOR THIRD PARTY DAMAGE (7725)	\$5.00	\$5.00
30	CALC.	MINOR CHANGE (7728)	\$5,000.00	\$5,000.00
31	1 LUMP SUM	SPCC PLAN (7736)		
<b>TOTAL CONTRACT AMOUNT</b>				

2. BIDDER SHALL INCLUDE SALES TAX IN THE LUMP SUM AND UNIT PRICE BID ITEMS, in accordance with Section 1-07.2(1) of Special Provisions.
3. The undersigned Bidder hereby proposes and agrees to commence work under this Contract, if awarded to them, in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions **but not before JULY 17, 2017**. They further agree to complete the contract within **30 working days**.
4. The agreed liquidated damage to the Owner shall be in accordance with Liquidated Damages as described in the Standard Specifications, Amendments thereto, and Special Provisions.
5. The Owner reserves the right to delete all or any portions of the work as outlined in the Contract Documents.
6. The required bid security in the amount of five percent (5%) of the total bid is hereto attached.
7. It is understood that the Contractor is responsible for obtaining and completing all required government forms.

8. Receipt of the following Addenda to the Contract Document is hereby acknowledged.

ADDENDUM #	DATE OF RECEIPT OF ADDENDUM	SIGNED ACKNOWLEDGMENT
1		
2		
3		

(Note: Failure to acknowledge receipt of the Addenda may be considered an irregularity in the proposal).

9. Notice of Acceptance of this bid or requests for additional information should be addressed to the undersigned at the address stated below and unless otherwise notified in writing, this address shall be used by the successful bidder during the life of the Contract for all official notices.
10. By signing this Proposal, the Bidder certifies that they have read and understand all of the terms and Conditions of the Contract Plans, Standard Specifications, the Amendments there to, and the Special Provisions, and agrees to comply with them.

Date \_\_\_\_\_

\_\_\_\_\_  
PROPER NAME OF BIDDER (Type or Print)

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

(Signature)

Name and Title: \_\_\_\_\_

(Type or Print Name and Title of Signatory)

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

City, State and Zip Code: \_\_\_\_\_

Telephone Number with Area Code: \_\_\_\_\_

Fax Number with Area Code: \_\_\_\_\_

Mailing Address, if different than above: \_\_\_\_\_

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.**

## **NON-COLLUSION DECLARATION**

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

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

## **NOTICE TO ALL BIDDERS**

To report rigging activities call:

**1-800-424-9071**

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

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

**THIS PAGE INTENTIONALLY LEFT BLANK**

## BIDDER RESPONSIBILITY STATEMENT

Each Bidder shall prepare and submit the following information with their bid.

By signing the signature page of the Proposal, the bidder affirms that the following information is true and correct.

Name of bidder \_\_\_\_\_

Business address \_\_\_\_\_

\_\_\_\_\_

### A) MANDATORY BIDDER RESPONSIBILITY CRITERIA (RCW 39.04.350)

1. Washington State Contractors License Number \_\_\_\_\_

Effective date \_\_\_\_\_

2. State of Washington Unified Business Identifier (UBI) No. \_\_\_\_\_

3. Do you have industrial insurance (worker's compensation) coverage for your employees working in Washington as required by Title 51 RCW?

Yes \_\_\_\_\_ No \_\_\_\_\_ Not Applicable \_\_\_\_\_

4. Washington State Employment Security Department number as required by Title 51 RCW.

Number \_\_\_\_\_ Not Applicable \_\_\_\_\_

5. Washington State Department of Revenue state excise tax registration number as required by Title 82 RCW.

Number \_\_\_\_\_ Not Applicable \_\_\_\_\_

6. Have you ever been disqualified from bidding on any public works contracts under RCW 39.06.010 or 39.12.065(3)?

Yes \_\_\_\_\_ No \_\_\_\_\_

**B) SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA  
(Special Provisions Section 1-02.14)**

1. Do you owe delinquent taxes to the State of Washington Department of Revenue?

Yes \_\_\_\_\_ No \_\_\_\_\_

2. Are you currently debarred or suspended from bidding by the Federal government?

Yes \_\_\_\_\_ No \_\_\_\_\_

3. Does your standard subcontract form include the subcontract responsibility language required by RCW 39.06.020?

Yes \_\_\_\_\_ No \_\_\_\_\_

Do you have an established procedure which your company utilizes to validate the responsibility of each of your subcontractors and any sub-tier contractors?

Yes \_\_\_\_\_ No \_\_\_\_\_

4. Do you have any record of prevailing wage violations in the last 5 years as determined by the Washington State Department of Labor and Industries?

Yes \_\_\_\_\_ No \_\_\_\_\_

5. Have you had any claims against retainage or payment bonds for public works projects in the last three years?

Yes \_\_\_\_\_ No \_\_\_\_\_

6. Has your company or it's owners been convicted of a crime involving bidding on a public works contract in the last 5 years?

Yes \_\_\_\_\_ No \_\_\_\_\_

7. Has your company had any public works contract terminated for cause or terminated for default by a government agency in the last 5 years?

Yes \_\_\_\_\_ No \_\_\_\_\_

8. Has your company had any lawsuits with judgments entered against the company in the last 5 years?

Yes \_\_\_\_\_ No \_\_\_\_\_

**C) CONTRACTING AGENCY SPECIFIC BIDDER RESPONSIBILITY CRITERIA  
(Special Provisions Section 1-02.14)**

1. Gross amount of contracts currently in hand: \_\_\_\_\_

2. Provide a list of more important construction projects completed by your company in the last 5 years. Include project name, year, approximate cost and name and current phone number of project engineer or owner.

---

---

---

---

---

---

---

---

---

---

3. Bank references \_\_\_\_\_

---

4. Bonding company \_\_\_\_\_

---

Supporting documentation verifying that the bidder meets the supplemental and contracting agency specific responsibility criteria stated in Sections B and C above may be requested by the Contracting Agency in accordance with Section 1-02.14 of the Special Provisions.



**Proposal for Incorporating Recycled Materials into the Project**

In compliance with a new law that went into effect January 1, 2016 (SHB1695), the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: \_\_\_\_\_ percent.

*Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-02.6 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.*

Bidder: \_\_\_\_\_

Signature of Authorized Official: \_\_\_\_\_

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

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, as Principal, and \_\_\_\_\_ as Surety, are hereby held and firmly bound unto Kitsap County Department of Public Works as Owner in the penal sum of \_\_\_\_\_ for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns. Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

The Condition of the above obligation is such that whereas the Principal has submitted to Kitsap County Department of Public Works a certain BID, attached hereto and made a part hereof to enter a contract in writing, for the \_\_\_\_\_

NOW, THEREFORE,

- (a) If said BID be rejected, or
- (b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said contract, and for the payment of all persons performing labor and furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any

extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are Corporations have set their Corporation seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

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

## **AGREEMENT**

This agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2017 between Kitsap County, through the BOARD OF COUNTY COMMISSIONERS of Kitsap County, State of Washington, hereinafter referred to as County, and, \_\_\_\_\_, a general Contractor licensed by the State of Washington, for themselves, their heirs, executors, administrators, successors, and assigns, hereinafter called Contractor.

### **WITNESSETH:**

WHEREAS, County desires to improve Panther Lake Road West and

WHEREAS, Contractor has been selected by competitive bid as the “lowest responsible bidder” as that term is defined in RCW 39.04.010:

NOW THEREFORE, County and Contractor mutually agree as follows:

### **CONTRACT DOCUMENTS:**

The Agreement between the parties is expressed in the Contract Documents which includes the Contract Provisions for “Panther Lake Road West Culvert Replacement at Mile Post 0.75”, the Plans and this Agreement.

### **(1) DESCRIPTION OF WORK:**

This contract provides for the improvement of Panther Lake Road West in southwestern Kitsap County by replacing a failing culvert at Mile Post 0.75. The work proposed consists of Preparation, Drainage, Precast Reinforced Concrete Three Sided Structure, Surfacing, HMA Pavement, Erosion \ Water Pollution Control, Traffic Safety and Control and other work in accordance with the Contract Documents.

Contractor agrees to furnish all materials, labor, carriage, tools, equipment, apparatus, facilities and anything else necessary to improve Panther Lake Road West and perform and complete in a workmanlike manner the work called for in the Contract Documents titled: “Panther Lake Road West Culvert Replacement”.

### **(2) BINDING EFFECT:**

The covenants and conditions contained in this Agreement shall apply to and bind the parties, heirs, legal representatives and assigns of the parties.

### **(3) TIME IS OF THE ESSENCE:**

The Contractor agrees to work promptly and fully complete the work within the limits as described in the Contract Documents. Failure to complete within the allowed time limit will subject the Contractor to the payment of liquidated damages, as described in the State of Washington Standard Specifications for Road, Bridge and Municipal Construction, in Section 1-08.9, PROSECUTION AND PROGRESS.

**(4) TIME FOR COMPLETION:**

The work to be performed under this Agreement shall commence in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions and shall be physically completed within **30 working days**.

**(5) COMPENSATION:**

The County agrees to pay the Contractor for the work described and completed according to the Contract Documents the sum of \$ \_\_\_\_\_  
\_\_\_\_\_. This sum shall include state sales tax.

**(6) INDEPENDENT CONTRACTOR:**

The Contractor shall perform the services under this agreement as an independent Contractor and not as an agent, employee or servant of the County. The parties agree that the Contractor is not entitled to any benefits or rights enjoyed by employees of the County. Contractor shall comply with all laws regarding workers' compensation.

**(7) DISCRIMINATION AND ADA:**

The Contractor agrees to comply with all provisions of the Americans with Disabilities Act and all regulations interpreting or enforcing said act. The Contractor agrees to comply with all Federal, State and County laws and regulations in effect pertaining to non discrimination. Violation of this section may be treated as a breach of this Agreement.

**(8) LIABILITY FOR NEGLIGENCE:**

The Contractor shall be liable for any additional expenses incurred by the County as a result of carelessness or negligence on the part of the Contractor, or Contractor's agents, or Contractor's employees. The Contractor agrees that the County may deduct such additional costs on its own behalf from monies due or to become due to the Contractor.

**(9) TERMINATION:**

This contract may be terminated by the officials or agents of the County authorized to contract for or supervise the execution of such work in accordance with Section 1-08.10 of the Standard Specifications for Road, Bridge, or Municipal Construction.

**(10) MODIFICATION**

There shall be no modification of this agreement, except in writing, executed with the same formalities as this present instrument. Change Orders totaling less than 10% of the total contract amount may be executed by The Director of Public Works or his authorized agent. Change Orders that exceed 10% of the total Contract amount shall be valid provided they are executed by the Chair of the Board of County Commissioners or his authorized agent.

**(11) HOLD HARMLESS:**

Contractor shall indemnify and hold County and its officers and employees harmless from, and shall process and defend at its own expense, all claims, demands or suits at law or equity arising in whole or in part from Contractor's performance of any of its obligations under this Agreement; provided that nothing herein shall require Contractor to indemnify County against and hold harmless County from claims, demands, or suits based upon the sole negligence of the County, its agents, officers, and employees; and provided further that if claims or suits are caused by or result from the concurrent negligence of (a) Contractor or Contractor's agents or employees, and (b) County or County's agents, officers, or employees, this indemnity provision shall be valid and enforceable only to the extent of Contractor's negligence or the negligence of Contractor's agents or employees.

Contractor expressly assumes potential liability for actions brought by Contractor's own employees against County; and, solely for the purpose of this indemnification and defense, Contractor specifically waives any immunity under the state industrial insurance law, Title 51 RCW. Contractor recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was subject of mutual negotiation.

**(12) INSURANCE REQUIREMENTS:**

Section 1-07.18 of the Special Provisions shall govern this contract.

**(13) VENUE AND CHOICE OF LAW:**

Any action at law, suit in equity, or other judicial proceeding for the enforcement of this contract or any provisions thereof shall be instituted as provided for in RCW 36.01.050. It is mutually understood and agreed that this contract shall be governed by the laws of the State of Washington, both as to interpretation and performance.

**(14) INTEGRATION CLAUSE:**

This instrument embodies the whole agreement of the parties. There are no promises, terms, conditions or obligations other than those contained herein; and this contract shall supersede all previous communications, representations or agreements, either verbal or written, between parties.

**(15) CONTRACT BOND:**

Payment and Performance bonds for this project have been issued by \_\_\_\_\_

\_\_\_\_\_ Surety Company of

\_\_\_\_\_ (Street address) \_\_\_\_\_

Telephone: \_\_\_\_\_ Contact Person: \_\_\_\_\_

in the amount of \_\_\_\_\_.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of aforesaid County pursuant to resolution duly adopted has caused this instrument to be executed by and in the name of said Board by its Chair, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date this instrument first above written.

CONTRACTOR

BOARD OF COUNTY COMMISSIONERS  
KITSAP COUNTY, WASHINGTON

\_\_\_\_\_

BY: \_\_\_\_\_

\_\_\_\_\_  
Edward E. Wolfe, Chair

TITLE \_\_\_\_\_

\_\_\_\_\_  
Charlotte Garrido, Commissioner

\_\_\_\_\_  
Robert Gelder, Commissioner

Foregoing contract approved and  
ratified:

\_\_\_\_\_  
ATTEST:

\_\_\_\_\_  
DANA DANIELS, Clerk of the Board

**PUBLIC WORKS PAYMENT BOND**  
to [City of \_\_\_ or \_\_\_ County], WA

Bond No. \_\_\_\_\_

The [City of \_\_\_ or \_\_\_ County], Washington, ([City or County]) has awarded to \_\_\_\_\_ (Principal), a contract for the construction of the project designated as **[Project Name]**, Project No. **[Project #]**, in [location], Washington (Contract), and said Principal is required under the terms of that Contract to furnish a payment bond in accord with Title 39.08 Revised Code of Washington (RCW) and (where applicable) 60.28 RCW.

The Principal, and \_\_\_\_\_ (Surety), a corporation organized under the laws of the State of \_\_\_\_\_ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the [City or County], in the sum of \_\_\_\_\_ US Dollars (\$\_\_\_\_\_ ) Total Contract Amount, subject to the provisions herein.

This statutory payment bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall pay all persons in accordance with RCW Titles 39.08 and 39.12 including all workers, laborers, mechanics, subcontractors, and material suppliers, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work; and if such payment obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, except as provided herein, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

This bond may be executed in two (2) original counterparts, and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

PRINCIPAL

SURETY

\_\_\_\_\_  
Principal Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Surety Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

Name, address, and telephone of local office/agent of Surety Company is:

Approved as to form:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

**THIS PAGE INTENTIONALLY LEFT BLANK**

**PERFORMANCE BOND**  
to [City of \_\_\_ or \_\_\_ County], WA

Bond No. \_\_\_\_\_

The [City of \_\_\_ or \_\_\_ County], Washington, ([City or County]) has awarded to \_\_\_\_\_ (Principal), a contract for the construction of the project designated as **[Project Name]**, Project No. **[Project #]**, in [location], Washington (Contract), and said Principal is required to furnish a bond for performance of all obligations under the Contract.

The Principal, and \_\_\_\_\_ (Surety), a corporation organized under the laws of the State of \_\_\_\_\_ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the [City or County], in the sum of \_\_\_\_\_ US Dollars (\$\_\_\_\_\_ ) Total Contract Amount, subject to the provisions herein.

This statutory performance bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall well and faithfully perform all of the Principal's obligations under the Contract and fulfill all the terms and conditions of all duly authorized modifications, additions, and changes to said Contract that may hereafter be made, at the time and in the manner therein specified; and if such performance obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

This bond may be executed in two (2) original counterparts, and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

PRINCIPAL

SURETY

\_\_\_\_\_  
Principal Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Surety Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

Name, address, and telephone of local office/agent of Surety Company is:

Approved as to form:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

**THIS PAGE INTENTIONALLY LEFT BLANK**

## **STANDARD SPECIFICATIONS**

### **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.

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

**April 4, 2016**

##### **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.

##### **1-02.9 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.

**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.

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

**April 4, 2016**

### **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.

### **1-07.9(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.

### **Section 1-08, Prosecution and Progress**

**January 4, 2016**

#### **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”.

### **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.

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

**April 4, 2016**

#### **5-02.3(2) Preparation of Roadway Surface**

This section is supplemented with the following new subsection:

### **5-02.3(2)E Crack Sealing**

Where shown in the Plans, seal cracks and joints in the pavement in accordance with Section 5-04.3(4)A1 and the following:

1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
2. Cracks greater than 1 inch in width – fill with sand slurry.

## **Section 6-02, Concrete Structures**

**April 4, 2016**

### **6-02.3(2)A Contractor Mix Design**

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

The mix design submittal shall also include test results no older than one year showing that the Aggregates do not contain Deleterious Substances in accordance with Section 9-03.

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

The following new sentence is inserted after the second sentence of the last paragraph:

Mix designs using shrinkage reducing admixture shall state the specific quantity required.

The following new sentence is inserted before the last sentence of the last paragraph:

Testing samples of mixes using shrinkage reducing admixture shall use the admixture amount specified in the mix design submittal.

### **6-02.3(2)B Commercial Concrete**

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

Commercial concrete does not require mix design or source approvals for cement, aggregate, and other admixtures.

### **6-02.3(26)D2 Test Block Dimensions**

The first sentence is revised to read:

The dimensions of the test block perpendicular to the tendon in each direction shall be the smaller of twice the minimum edge distance or the minimum spacing specified by the special anchorage device manufacturer, with the stipulation that the concrete cover over any confining reinforcing steel or supplementary skin reinforcement shall be appropriate for the project-specific application and circumstances.

### **6-02.3(27)A Use of Self-Consolidating Concrete for Precast Units**

Item number 2 of the first paragraph is revised to read:

2. Precast reinforced concrete three-sided structures, box culverts and split box culverts in accordance with Section 7-02.3(6).

### **Section 6-09, Modified Concrete Overlays**

**April 4, 2016**

#### **6-09.3(8)A Quality Assurance for Microsilica Modified and Fly Ash Modified Concrete Overlays**

The first sentence of the first paragraph is revised to read the following two new sentences:

The Engineer will perform slump, temperature, and entrained air tests for acceptance in accordance with Section 6-02.3(5)D and as specified in this Section after the Contractor has turned over the concrete for acceptance testing. Concrete samples for testing shall be supplied to the Engineer in accordance with Section 6-02.3(5)E.

The last paragraph is deleted.

#### **6-09.3(8)B Quality Assurance for Latex Modified Concrete Overlays**

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

The Engineer will perform slump, temperature, and entrained air tests for acceptance in accordance with Section 6-02.3(5)D and as specified in this Section after the Contractor has turned over the concrete for acceptance testing. The Engineer will perform testing as the concrete is being placed. Samples shall be taken on the first charge through each mobile mixer and every other charge thereafter. The sample shall be taken after the first 2 minutes of continuous mixer operation. Concrete samples for testing shall be supplied to the Engineer in accordance with Section 6-02.3(5)E.

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

Recommendations made by the technical representative on or off the jobsite shall be adhered to by the Contractor.

### **Section 6-14, Geosynthetic Retaining Walls**

**January 4, 2016**

#### **6-14.5 Payment**

The bid item "Concrete Fascia Panel", per square foot, and the paragraph following this bid item are revised to read:

"Concrete Fascia Panel For Geosynthetic Wall", per square foot.

All costs in connection with constructing the concrete fascia panels as specified shall be included in the unit Contract price per square foot for “Concrete Fascia Panel For Geosynthetic Wall”, including all steel reinforcing bars, premolded joint filler, polyethylene bond breaker strip, joint sealant, PVC pipe for weep holes, exterior surface finish, and pigmented sealer (when specified), constructing and placing the concrete footing, edge beam, anchor beam, anchor rod assembly, and backfill.

## **Section 6-19, Shafts**

**January 4, 2016**

### **6-19.4 Measurement**

The first paragraph is revised to read:

Soil excavation for shaft, including haul, will be measured by the cubic yards of shaft excavated. The cubic yards will be computed using the shaft diameter, top of shaft elevation and bottom of shaft elevation shown in the Plans, less all rock excavation measured as specified for rock excavation. Excavation between the existing ground line and the top of shaft elevation is considered incidental to soil excavation for shaft and will not be measured.

The second paragraph is deleted.

### **6-19.5 Payment**

The paragraph following the bid item “Soil Excavation For Shaft Including Haul”, per cubic yard is revised to read:

The unit Contract price per cubic yard for “Soil Excavation For Shaft Including Haul” shall be full pay for performing the work as specified, including all costs in connection with furnishing, mixing, placing, maintaining, containing, collecting, and disposing of all mineral, synthetic, and water slurry, and disposing of groundwater collected by the shaft excavation, and the incidental excavation of soils between the top of shaft elevation shown in the Plans and the existing ground line.

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

**April 4, 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(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.

## **Section 8-10, Guide Posts**

**January 4, 2016**

### **8-10.3 Construction Requirements**

The last sentence of the second paragraph is deleted.

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

**April 4, 2016**

### **8-20.3(5)A General**

The last paragraph is revised to read:

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

### **8-20.3(5)A1 Fiber Optic Conduit**

The last paragraph is deleted.

### **8-20.3(5)D Conduit Placement**

Item number 2 is revised to read:

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

### **8-20.3(9) Bonding, Grounding**

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

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

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

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

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

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

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

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

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

The fourth to last paragraph is revised to read:

Install a two grounding electrode system at each service entrance point, at each electrical service installation and at each separately derived power source. The service entrance grounding electrode system shall conform to the "Service Ground" detail in the Standard Plans. If soil conditions make vertical grounding electrode installation impossible an alternate installation procedure as described in the NEC may be used. Maintain a minimum of 6 feet of separation between any two grounding electrodes within the grounding system. Grounding electrodes shall be bonded copper, ferrous core materials and shall be solid rods not less

than 10 feet in length if they are ½ inch in diameter or not less than 8 feet in length if they are ⅝ inch or larger in diameter.

## **Section 8-22, Pavement Marking**

**January 4, 2016**

### **8-22.4 Measurement**

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

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

### **8-22.5 Payment**

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

“Painted Wide Dotted Entry Line”, per linear foot.

“Plastic Wide Dotted Entry Line”, per linear foot.

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

**April 4, 2016**

### **9-03.1(1) General Requirements**

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 <sup>1</sup> 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

<sup>1</sup>If 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(7) HMA Tolerances and Adjustments**

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

### **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 Furnace Slag**

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

The following new row is inserted after the second row:

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

**Section 9-04, Joint and Crack Sealing Materials**

**January 4, 2016**

**9-04.2(1) Hot Poured Joint Sealants**

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

**9-04.2(1)A Hot Poured Sealant**

Hot poured sealant shall be sampled in accordance with ASTM D5167 and tested in accordance with ASTM D5329. Hot poured sealant shall have a minimum Cleveland Open Cup Flash Point of 205°C in accordance with AASHTO T 48.

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

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

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

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

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

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

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

1. Twenty percent CSS-1 emulsified asphalt,
2. Two percent Portland cement, and

3. Seventy-eight percent fine aggregate meeting the requirements of 9-03.1(2)B Class 2. Fine aggregate may be damp (no free water).

### **Section 9-07, Reinforcing Steel**

**January 4, 2016**

#### **9-07.1(1)A Acceptance of Materials**

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

Reinforcing steel rebar manufacturers shall comply with the National Transportation Product Evaluation Program (NTPEP) Work Plan for Reinforcing Steel (rebar) Manufacturers.

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

Steel reinforcing bar manufacturers use either English or a Metric size designation while stamping rebar.

## **SPECIAL PROVISIONS**

### **Introduction to the Special Provisions**

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 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 either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)

(April 1, 2013 WSDOT GSP)

Also incorporated into the Contract Documents by reference are:

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

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

## **Division 1 General Requirements**

### **DESCRIPTION OF WORK**

#### **Description of Work**

This contract provides for the improvement of Panther Lake Road West in southwestern Kitsap County by replacing a failing culvert at Mile Post 0.75. The work proposed consists of Preparation, Drainage, Precast Reinforced Concrete Three Sided Structure, Surfacing, HMA Pavement, Erosion \ Water Pollution Control, Traffic Safety and Control and other work in accordance with the Contract Documents.

## 1-01 Definitions and Terms

### 1-01.3 Definitions

(January 4, 2016 APWA GSP)

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

#### **Dates**

##### **Bid Opening Date**

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

##### **Award Date**

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

##### **Contract Execution Date**

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

##### **Notice to Proceed Date**

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

##### **Substantial Completion Date**

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

##### **Physical Completion Date**

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

##### **Completion Date**

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

### **Final Acceptance Date**

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

Supplement this Section with the following:

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

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

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

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

### **Additive**

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

### **Alternate**

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

### **Business Day**

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

### **Contract Bond**

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

**Contract Documents**

See definition for "Contract".

**Contract Time**

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

**Notice of Award**

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

**Notice to Proceed**

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

**Traffic**

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

**1-02 Bid Procedures and Conditions****1-02.1 Prequalification of Bidders**

Delete this Section and replace it with the following:

**1-02.1 Qualifications of Bidder**

(January 24, 2011 APWA GSP)

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

Add the following new section:

**1-02.1(1) Supplemental Qualifications Criteria**

In addition, the Contracting Agency has established Contracting Agency-specific and/or project-specific supplemental criteria, in accordance with RCW 39.04.350(2), for determining Bidder responsibility, including the basis for evaluation and the deadline for appealing a determination that a Bidder is not responsible. These criteria are contained in Section 1-02.14 of these Special Provisions.

**1-02.2 Plans and Specifications**

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

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

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(2) Subsurface Information**

(March 8, 2013 APWA GSP)

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

The Summary of Geotechnical Conditions and the boring logs, if and when included as an appendix to the Special Provisions, shall be considered as part of the Contract.

#### **1-02.5 Proposal Forms**

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

### **1-02.6 Preparation of Proposal**

Supplement this section with the following:

(June 27, 2011 APWA GSP)

Supplement the second paragraph with the following:

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

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

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

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

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

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

Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit sufficient DBE participation have been unsuccessful. Directions for delivery of the Disadvantaged Business Enterprise Written Confirmation Documents and Disadvantaged Business Enterprise Good Faith Effort documentation are included in Sections 1-02.9

Add the following new section:

**1-02.6(1) Recycled Materials Proposal**

(January 4, 2016 APWA GSP)

The Bidder shall submit with the Bid, its proposal for incorporating recycled materials into the project, using the form provided in the Contract Provisions.

**1-02.7 Bid Deposit**

(March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

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.

Supplement the preceding section with the following:

Bidders shall use the Bid Bond form included with these Contract Provisions.

A bid deposit in the form of cash or check will not be accepted.

**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, 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 Proposal**

Supplement this section with the following:

#### **Date of Opening Bids**

The bid opening date for this project shall be **December 6, 2016**. The bids will be publicly opened and read after **11:00 A.M.** on this date in the Third Floor conference room of the Public Works Building located at the address shown below.

Sealed bids shall be received at or before the specified time at:

Kitsap County Department of Public Works  
Third Floor Reception Desk  
507 Austin Street  
Port Orchard, Washington

Bids delivered in person or by private carrier (UPS, Federal Express, etc.) shall be addressed and delivered to the above location. Bids delivered by US Postal Service shall be addressed to:

Kitsap County Department of Public Works  
614 Division Street, MS-26  
Port Orchard WA 98366-4699

Bidders are advised that bids not delivered in person may be subject to delay or loss. It is the bidder's sole responsibility to ensure timely delivery of their bid to the place of bid opening. Bids not received at the place of bid opening at or before the appointed time will not be considered, and shall be returned unopened to the bidder.

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.

### **1-02.13 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 Certification, if applicable, as required in Section 1-02.6;

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

**1-02.14 Disqualification of Bidders**

Delete this Section and replace it with the following:

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

**1. Delinquent State Taxes**

- A. Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
- B. Documentation: The Washington State Department of Revenue shall confirm by email that the bidder does not have a tax lien against them.

**2. Federal Debarment**

- A. Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.
- B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the U.S. government’s “System for Award Management” database ([www.sam.gov](http://www.sam.gov)).

**3. Subcontractor Responsibility**

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

**4. Prevailing Wages**

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

**5. Claims Against Retainage and Bonds**

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

**6. Public Bidding Crime**

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

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

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

contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances.

## **8. Lawsuits**

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

## **9. Contracting Agency Specific Criteria**

- A. Criterion:  
Bidders shall supply the following information:
- Dollar amount of contracts currently held by the bidder
  - List of more important construction projects completed by your company in the last 5 years.
  - Bank References
  - Bonding Company
- B. Documentation:  
The required information shall be included in Section C of the Bidder Responsibility Statement.

The Contracting Agency reserves the right to request additional documentation from all Bidders and to request further documentation as needed to assess Bidder responsibility. The Contracting Agency also reserves the right to obtain information from third-parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use

that information in their evaluation. The Contracting Agency may (but is not required to) consider mitigating factors in determining whether the Bidder complies with the requirements of the supplemental criteria.

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

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

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

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

(August 14, 2013 APWA GSP)

Revise this section to read:

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

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,

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

### **1-03 Award and Execution of Contract**

#### **1-03.1 Consideration of Bids**

(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

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

#### **1-03.1(1) Identical Bid Totals**

(January 4, 2016 APWA GSP)

Revise this section to read:

After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then the tie-breaker will be the Bidder with an equal lowest bid, that proposed to use the highest percentage of recycled materials in the Project, per the form submitted with the Bid Proposal. If those percentages are also exactly equal, then the tie-breaker will be determined by drawing as follows: Two or more slips of paper will be marked as follows: one marked "Winner" and the other(s) marked "unsuccessful". The slips will be folded to make the marking unseen. The slips will be placed inside a box. One authorized representative of each Bidder shall draw a slip from the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip marked "Winner" will be

determined to be the successful Bidder and eligible for Award of the Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the highest proposed recycled materials amount, are eligible to draw.

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

(October 1, 2005 APWA GSP)

Revise this section to read:

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

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

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

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

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

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

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

1. Be on Contracting Agency-furnished form(s);

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

**1-03.7 Judicial Review**  
 (July 23, 2015 APWA GSP)  
 Revise this section to read:

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 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 Unsuitable Foundation Excavation including Haul, Special Borrow including Haul and 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**

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

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed

and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

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

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

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

#### **1-05.11 Final Inspection**

Delete this section and replace it with the following:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section

#### **1-05.14 Cooperation With Other Contractors**

Supplement this section with the following:

##### **Other Contracts Or Other Work**

(March 13, 1995 WSDOT GSP)

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

Relocation of existing power, telephone, and cable television facilities by their owners.

#### **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 sections:

**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.

**1-06 Control of Materials**

**1-06.6 Recycled Materials**

(January 4, 2016 APWA GSP)

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

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

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.

**1-07 Legal Regulations and Responsibilities to the Public**

**1-07.1 Laws to be Observed**

Supplement this section with the following:

(October 1, 2005 APWA GSP)

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

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA). The Contractor shall maintain at the project site office, or other well known place at the project site, all articles necessary for providing first aid to the injured. The

Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

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

(April 3, 2006 WSDOT GSP)

**Confined Space**

Confined spaces are known to exist at the following locations:

Any trench greater than 4 feet in depth.

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

The Contractor shall prepare and implement a confined space program for each of the confined spaces identified above. The Contractor's Confined Space program shall be sent to the contracting agency at least 30 days prior to the Contractor beginning work in or adjacent to the confined space. No work shall be performed in or adjacent to the confined space until the plan is submitted to the Engineer as required. The Contractor shall communicate with the Project Engineer to ensure a coordinated effort for providing and maintaining a safe worksite for both the Contracting Agency's and Contractor's workers when working in or near a confined space.

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

**1-07.2 State Taxes**

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

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

(June 27, 2011 APWA GSP)

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

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

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

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

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

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

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

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

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

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

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

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

Delete the first paragraph of this section and replace it with the following:

The Contractor shall protect all private and public utilities from damage resulting from the work to be accomplished under this contract and provide the support necessary to keep any facility encountered during construction intact and fully functional. Among others these utilities include: telephone, cable television and power lines; pipelines and water lines; railroad tracks and equipment; road and highway lighting and sign systems and intelligent transportation systems (ITS)

Supplement this section with the following:

(April 2, 2007 WSDOT GSP)

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

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement or construction within the project limits will be completed as follows:

Relocation or adjustment of existing power, telephone and cable television facilities.

The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer, all affected Subcontractors, and all utility owners and their Contractors prior to beginning onsite work.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

Mason County PUD #3  
PO Box 2148  
Shelton, WA 98584  
Contact: Mike Simmons  
Telephone: 360.426.8255, Ext. 5296

Century Link  
611 – 6<sup>th</sup> Street  
Bremerton, WA 98337  
Contact: Royce Klein  
Telephone: 360.478.5930

Comcast Broadband  
1225 Sylvan Way  
Bremerton, WA 98310  
Contact: Jim Lecompte  
Telephone: 360.340.1288

Supplement this section with the following new section:

**1-07.17(0) Payment for Protection and Support of Existing Utilities**

Payment will be made in accordance with Section 1-04.1 for the following bid item included on the proposal:

“Protection and Support of Existing Utilities”, lump sum.

The lump sum contract price for “Protection and Support of Existing Utilities” shall be full pay for all costs for the protection and support of existing utilities shown in the Plans as crossing the location or route of facilities to be constructed by this contract.

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

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

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

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

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement 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

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

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

**1-07.18(3) Subcontractors**

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

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

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

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

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

Verification of coverage shall include:

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

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting 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

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

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

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

Supplement this section with the following:

The Contractor shall maintain safe pedestrian passage through the work area at all times.

#### **1-07.23(1) Construction under Traffic**

Supplement this section with the following:

**Panther Lake Road West will be closed to through traffic during the duration of the Contract. The Contracting Agency will establish a detour route prior to closure. The Contractor shall provide and maintain 2 - Type 3 Barricades immediately adjacent to both ends of the work zones during the duration of the closure.**

(January 2, 2012 WSDOT GSP)

#### **Work Zone Clear Zone**

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

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

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

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

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

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

<b>Regulatory Posted Speed</b>	<b>Distance From Traveled Way (Feet)</b>
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30
* or 2-feet beyond the outside edge of sidewalk	
<b>Minimum Work Zone Clear Zone Distance</b>	

**1-07.24 Rights of Way**

(July 23, 2015 APWA GSP)

Delete this section and replace it with the following:

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

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

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

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

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

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

## **1-08 Prosecution and Progress**

Add the following new section:

### **1-08.0 Preliminary Matters** (May 25, 2006 APWA GSP)

Add the following new section:

#### **1-08.0(1) Preconstruction Conference** (October 10, 2008 APWA GSP)

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

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

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

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

Add the following new section:

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

(December 8, 2014 APWA GSP)

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

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

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 2 working days 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.

#### **1-08.4 Prosecution of Work**

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

#### **1-08.4 Notice to Proceed and Prosecution of Work**

(July 23, 2015 APWA GSP)

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

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

Supplement this section with the following:

**Work on this project shall not commence prior to JULY 17, 2017.**

#### **1-08.5 Time for Completion**

(August 14, 2013 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

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

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and any partial or whole day the Engineer declares as

unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

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

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
  - a. Certified Payrolls (per Section 1-07.9(5)).
  - b. Material Acceptance Certification Documents
  - c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
  - d. Final Contract Voucher Certification
  - e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
  - f. Property owner releases per Section 1-07.24

(March 13, 1995 - WSDOT GSP)

Supplement this section with the following:

This project shall be physically completed within **30 working days**.

### **1-08.9 Liquidated Damages**

(August 14, 2013 APWA GSP)

Revise the fourth paragraph to read:

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine that the work is Substantially

Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, the formula for liquidated damages shown above will not apply. For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

## **1-09 Measurement and Payment**

### **1-09.6 Force Account**

(October 10, 2008 APWA GSP)

Supplement this section with the following:

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

### **1-09.9 Payments**

(March 13, 2012 APWA GSP)

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

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

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

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

The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be

made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payments. The progress estimates are subject to change at any time prior to the calculation of the final payment.

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

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

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

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

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

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

(July 23, 2015 APWA GSP)

Revise this section to read:

For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or causes of action shall be brought only 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. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims or causes of action which the Contractor asserts against the Contracting Agency

arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

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

(July 23, 2015 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

**1-10 Temporary Traffic Control**

**1-10.2 Traffic Control Management**

**1-10.2(1) General**

(January 8, 2016)

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  
12545 135th Ave. NE  
Kirkland, WA 98034-8709  
1-800-521-0778 or  
(425) 814-3930

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 (TCP)**

Supplement this section with the following:

### **Development of Traffic Control Plans**

Development of a Traffic Control Plan shall be the responsibility of the Contractor. Example Standard Plans have been attached to this document for the Contractors use in developing this Plan. The Contractor shall submit his Traffic Control Plan for the Engineer's review five working days prior to the Preconstruction Meeting. The Engineer shall review the Plan and at the Preconstruction Meeting give written approval or discuss the revisions required. Subsequent reviews or revisions, if required, shall be accomplished by the Engineer within 5 working days after submittal. No work shall be undertaken until the Contractor has written approval of the Traffic Control Plan.

The road shall be closed in accordance with Section 1-07.23(1) of these Special Provisions and the Contractor shall provide 2 - Type 3 Barricades in the immediate vicinity of both ends of the work zone. All costs for providing, installing, maintaining the Type 3 Barricades during the duration of the road closure shall be included in the Lump Sum Contract price for Project Temporary Traffic Control.

Barricades shall be removed promptly upon completion of the work.

## **1-10.4 Measurement**

### **1-10.4(1) Lump Sum Bid for Project (No Unit Items)**

(August 2, 2004 WSDOT GSP)

Supplement this section with the following:

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

## **Division 2 Earthwork**

### **2-01 Clearing, Grubbing, and Roadside Cleanup**

#### **2-01.1 Description**

Supplement this section with the following:

(March 13, 1995 WSDOT GSP)

Clearing and grubbing on this project shall be performed within limits shown in the Plans.

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

Revise the third paragraph to read as follows:

The Contractor shall use Disposal Method No. 2.

## **2-02 Removal of Structures and Obstructions**

### **2-02.1 Description**

Supplement this section with the following;

#### **Saw Cut Asphalt Concrete Pavement**

Where shown in the plans or where designated by the Engineer, the Contractor shall saw cut the asphalt concrete pavement prior to removal of any pavement.

### **2-02.3 Construction Requirements**

#### **2-02.3(1) Removal of Obstructions**

(February 17, 1998 WSDOT GSP)

Supplement this section with the following:

##### **Removal of Obstructions**

1. Approximately 55 linear feet of corrugated metal culvert pipe 36 inch diameter at Station 0+35, cross culvert.
2. Concrete headwall and trash rack associated with the above culvert.
3. Mailbox at Station 0+18, 20 feet right.

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

Supplement this section with the following:

##### **Pavement Thickness**

(September 8, 1997 WSDOT GSP)

Supplement this section with the following:

The approximate thickness of the existing asphalt pavement has not been observed. It shall be the bidder's responsibility to observe the existing conditions and base their bid accordingly.

Supplement this section with the following:

The equipment and procedures used to make the vertical cut shall be approved by the Engineer.

The Contractor shall make a vertical saw cut to delineate the areas of pavement to be removed from those areas of pavement to remain. The removed pavement shall become the property of the Contractor and shall be promptly removed from the project site.

Damage caused to portions of the pavement to remain, due to the Contractor's operations, shall be repaired by the Contractor at no expense to the Contracting Agency.

#### **2-02.4 Measurement**

Supplement this section with the following:

Saw Cut Asphalt Concrete Pavement will be measured by the linear foot.

Removing Asphalt Concrete Pavement will be measured by the square yard.

#### **2-02.5 Payment**

Supplement this section with the following:

"Saw Cut Asphalt Concrete Pavement", per linear foot.

The unit contract price, per linear foot, shown on the proposal for Saw Cut Asphalt Concrete Pavement shall be full compensation for all costs incurred for all tools, labor, materials, and equipment necessary to complete the work.

"Removing Asphalt Concrete Pavement", per square yard.

The unit contract price, per square yard, shown on the proposal for Removing Asphalt Concrete Pavement shall be full compensation for all costs incurred for all tools, labor, materials, and equipment necessary to complete the work

### **2-03 Roadway Excavation and Embankment**

#### **2-03.2 Vacant**

Revise this section including the title to read as follows:

##### **2-03.2 Materials**

Special Borrow shall meet the requirements of Section 9-03.14(5) of these Special Provisions.

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

##### **2-03.3(7) Disposal of Surplus Material**

This section is deleted and replaced with the following:

A waste site has not been provided by the Contracting Agency for the disposal of excess materials and construction debris. The Contractor shall be solely responsible for the loading, hauling and disposing of all surplus material and construction debris in a manner complying with all local, state and federal statutes and regulations.

### **2-03.3(13) Borrow**

Supplement this section with the following:

The Contractor must provide the Engineer with written notice at least 24 hours before hauling and placing backfill materials from off-site locations. This notice is essential in scheduling inspection personnel and item quantity ticket takers. Failure by the Contractor to begin hauling and placing materials at the agreed time may result in a penalty equal to the standby cost incurred by the County. The penalty will be calculated and deducted from the item being hauled.

Supplement this section with the following new section:

### **2-03.3(14)N Special Borrow including Haul**

Where shown in the Plans or as directed by the Engineer, the Contractor shall use Special Borrow including Haul meeting the requirements of Section 9-03.14(5) of these provisions to:

1. Build embankments.
2. Backfill excavation of unsuitable foundation materials.
3. Backfill trenches when select backfill material is required in accordance with Section 2-09 or Section 7-08.

Special Borrow shall be compacted according to Section 2-03.3(14)C, Method B, and 2-03.3(14)D.

### **2-03.4 Measurement**

Supplement this section with the following:

Special Borrow including Haul will be measured by the ton. Measurement when used to build embankments and to backfill for unsuitable foundation materials will be to the actual limits ordered by the Engineer. When used in backfill of sewer trenches, measurement will be for material placed inside the limits defined in Section 2-09.4.

### **Computation of Excavation and Embankment Quantities**

Only one determination of the original ground elevation will be made on this project. Measurement for Roadway Excavation including Haul and Embankment Compaction will be based on the original ground elevation recorded previous to the award of this contract minus a factor to account for the removal of organic material during clearing and grubbing. It is anticipated that depth of removal of organic material during clearing and grubbing for this project will vary and a factor of minus 6 inches will be used to determine ground elevation after clearing and grubbing. Control stakes will be set during construction to provide the Contractor with all essential information for the construction of excavation and embankments.

If discrepancies are discovered in the ground elevations which will materially affect the quantities of earthwork, the original computations of earthwork quantities will be adjusted accordingly.

Earthwork quantities will be computed, either manually or by means of electronic data processing equipment, by use of the average end area method or by the finite element analysis method utilizing digital terrain modeling techniques.

### **2-03.5 Payment**

Supplement this section with the following:

“Special Borrow including Haul”, per ton.

The unit contract price per ton for Special Borrow including Haul shall be full compensation for all costs incurred for excavating, loading, hauling and placing the material.

All costs involved in the loading, hauling and the disposal of all surplus material and construction debris shall be included in the bid prices of the items shown on the proposal and no further payment will be made.

### **2-07 Watering**

#### **2-07.4 Measurement**

Supplement this section with the following:

The unit of measure M Gallon shown in the proposal for water indicates 1,000 gallons. The unit bid price entered in the Proposal by the bidder shall be for each 1,000 gallons.

### **2-09 Structure Excavation**

#### **2-09.3 Construction Requirements**

##### **2-09.3(1)A Staking, Cross-Sectioning and Inspecting**

Supplement this section by adding the following two paragraphs at the end:

At least 24 hours prior to commencing any excavation, the Contractor shall expose by pot-holing existing underground telephone cables, water mains or any other underground utility shown in the Plans that crosses the location of the new structure to be installed under this contract. Excavation immediately adjacent to the existing utilities shall be by hand methods in compliance with Washington State requirements.

When directed by the Engineer, the Contractor shall expose by pot-holing crossings of new pipe and utilities not shown in the Plans.

### **2-09.3(1)C Removal of Unstable Base Material**

Revise this section to read:

When the material at the bottom of an excavation is not stable enough to support the Structure, the Contractor shall excavate below grade and replace the unstable material with special borrow.

Special borrow shall meet the requirements of Section 9-03.14(5) of these Special Provisions. It shall be placed in layers not more than 6 inches thick with each layer compacted to 95 percent of the maximum density determined by the Compaction Control Test, Section 2-03.3(14)D.

### **2-09.5 Payment**

Revise the first sentence of the third paragraph to read:

If the Engineer orders the Contractor to excavate below the elevations shown in the Plans, the excavation will be paid for as Unsuitable Foundation Excavation including Haul per cubic yard in accordance with Section 2-09 of these Special Provisions.

## **Division 4 Bases**

### **4-04 Ballast and Crushed Surfacing**

#### **4-04.3 Construction Requirements**

##### **4-04.3(7) Miscellaneous Requirements**

Supplement this section with the following:

The Contractor must provide the Engineer with written notice at least 24 hours before hauling and placing surfacing materials from off-site locations. This notice is essential in scheduling inspection personnel and item quantity ticket takers. Failure by the Contractor to begin hauling and placing materials at the agreed time may result in a penalty equal to the standby cost incurred by the County. The penalty will be calculated and deducted from the item being hauled.

## **Division 5 Surface Treatments and Pavements**

### **5-04 Hot Mix Asphalt**

#### **5-04.3 Construction Requirements**

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

(January 16, 2014 APWA GSP)

The first paragraph of this section is revised to read:

Additionally, a material transfer device or vehicle (MTD/V) is not required.

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

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following;

#### **5-04.3(7)A2 Nonstatistical and Commercial Evaluation**

Mix designs for HMA accepted by Nonstatistical or Commercial evaluation shall;

- Be submitted to the Project Engineer on WSDOT Form 350-042
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.

At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date.
- The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.

The mix design will be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

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

Evaluation of anti-strip additives are to be provided as part of the mix design

acceptance criteria. Acceptable anti-strip evaluations include:

- 1) A WSDOT validated mix design showing the validated anti-strip additive and dosage;
- 2) An historic anti-strip determination from WSDOT not greater than two (2) calendar years old or;
- 3) A passing TSR test at the anti-strip dosage proposed by the Contractor.

No paving shall begin prior to Contracting Agency approval of the Contractor provided mix design.

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

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

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

Acceptance of HMA shall be as defined under non-statistical or commercial evaluation.

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

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

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

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

(January 16, 2014 APWA GSP)

Supplement this section with the following:

For HMA in a structural application, sampling and testing for total project quantities less than 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed:

- i. If test results are found to be within specification requirements, additional testing will be at the engineers discretion.
- ii. If test results are found not to be within specification requirements, additional testing as needed to determine a CPF shall be performed.

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

(January 16, 2014 APWA GSP)

The first paragraph of this section is deleted.

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

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following;

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

Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

**5-04.3(17) Paving Under Traffic**

The last paragraph of this section is revised to read as follows:

All costs in connection with performing the work in accordance with these requirements, including the installation and removal of temporary pavement markings, shall be included in the unit contract prices for the various bid items involved in the contract and no further payment will be made.

**5-04.4 Measurement**

Delete the 11th and 12th paragraphs and replace them with the following:

Temporary pavement marking will not be measured. All costs for provision and removal of temporary pavement marking shall be included the unit contract price per ton for HMA Class ½ inch PG 64-22 shown in the proposal.

**5-04.5 Payment**

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

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix. Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

**Division 7 Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains and Conduits**

**7-02 Culverts**

**7-02.3 Construction Requirements**

**7-02.3(6)A1 Design Criteria**

Supplement this section with the following:

Assumed Allowable Soil Bearing Pressure:	2,000 PSF
Soil Density:	135 PCF
Ultimate Soil Bearing Strength:	12,000pcf
Bearing Resistance Factor:	0.45
Sliding Resistance Factor:	0.90
K <sub>a</sub> - Coefficient of Active Pressure:	0.28
K <sub>o</sub> : - At Rest Coefficient of Lateral Earth Pressure:	0.44
K <sub>ae</sub> – Dynamic Earth Pressure Coefficient:	0.46

**7-06 Vacant**

This section including the title is revised to read as follows:

**7-06 Temporary Stream Diversion**

**7-06.1 Description**

This work shall include designing, installing, operating, maintaining, removing, and disposing of the temporary stream diversion, environmental compliance and other Work as detailed in these Specifications.

**7-06.2 Materials**

All materials shall be as detailed in the Contractor’s Temporary Stream Diversion (TSD) Plan.

## **7-06.3 Construction Requirements**

### **7-06.3(1) General**

The Work shall include compliance with Washington State Water Quality Standards in WAC 173-201A, project permits, environmental commitments and these Provisions. The temporary stream diversion including water that is retained by the temporary stream diversion and any dewatering system shall be located within the permitted impact areas as shown in the Plans. The upstream diversion dam shall be constructed to a height sufficient to prevent stream flow from entering the work area. Scour protection shall be provided at the outfall of the temporary stream diversion systems and dewatering system to prevent flow re-entering the stream channel from mobilizing streambed and embankment sediments. When a temporary stream diversion is located in or near an intertidal zone the temporary stream diversion design shall take tidal influence into consideration.

The Contractor shall have a contingency plan for each temporary stream diversion to be used in the event of a storm producing streamflow in excess of the design requirement, equipment failure, vandalism, or other incident. The equipment and materials for the contingency plan shall be exclusive to a specific temporary stream diversion. The contingency plan shall convey at a minimum fifty percent of the volume of water required for the temporary stream diversion. The Contractor shall immediately implement the contingency plan when required or specified by the Engineer.

For each temporary stream diversion the Contractor shall arrange a meeting with the Engineer prior to implementation of the TSD Plan. At this meeting the Contractor shall explain to the Engineer the Work to be completed for the temporary stream diversion. The meeting shall be a minimum of 7 calendar days prior to start of the temporary stream diversion work.

### **7-06.3(2) Temporary Stream Diversion Plan**

#### **7-06.3(2)A General Plan Requirements**

The Contractor shall submit a Temporary Stream Diversion Plan in accordance with the requirements of a Type 2E Working Drawing and these Specifications. A separate TSD Plan shall be prepared and submitted for each temporary stream diversion that is required. The TSD Plan shall consist of a narrative and drawings detailing all temporary stream diversion requirements and shall encompass and protect all the areas affected by the Contractor's temporary stream diversion Work.

The Contractor shall fully implement the TSD Plan throughout the duration of the associated Work. The Contractor shall update the TSD Plan throughout project construction to reflect actual site conditions and the Contractor's Work. Changes to plan shall comply with WAC 196-23-020. At the request of the Engineer an updated

TSD Plan shall be submitted as a Type 2E Working Drawing. A copy of the TSD Plan shall be on the project site at all times.

The TSD Plan shall describe measures that will be taken to comply with Washington State Water Quality Standards in WAC 173-201A, applicable permits, environmental commitments and these Provisions.

The Contractor shall incorporate the Diversion Schedule and Sequence into their Progress Schedule.

**7-06.3(2)B Minimum Stream Volumes**

At all times of operation the Contractor's temporary stream diversion shall be designed to convey at a minimum the flow rate of water in cubic feet per second during the following time periods:

For the Duration of contract work including any suspensions of work.

The peak flow for the two year storm event is estimated to be 9.8 cubic feet per second.

During all phases of the bypass installation and decommissioning, the Contractor shall maintain flows downstream of the project site.

**7-06.3(2)C Plan Requirements**

The TSD Plan shall provide the following information in the following order:

1. Description and Location of the temporary stream diversion
  - a. Identify the name of the water body where the temporary stream diversion will be placed. Provide a description of the temporary stream diversion.
  - b. Provide drawings showing the location of the temporary stream diversion, including proposed access routes and equipment to be used to construct the diversion.
2. Schedule and Sequence
  - a. Provide a sequence of Work, dates, and durations for when the following will occur, in accordance with the in-water work window in the Special Provisions:
    - i. Fish exclusion (performed by the Contractor).
    - ii. TSD Plan Implementation Meeting
    - iii. TSD installation.

- iv. Dewatering of the isolated Work area.
- v. Restoration and stabilization of the temporary stream diversion work area to prevent erosion.
- vi. Any relocations of the temporary stream diversion to accommodate the work sequence (if needed).
- vii. Channel rewatering.
- viii. Removal of the TSD.
- ix. Fish block removal (performed by Contractor).
- b. Include other Work that needs to be coordinated with the TSD (e.g., temporary erosion control).
- 3. Calculations and Materials
  - a. Detail all elements of the temporary stream diversion; including but not limited to pipes, pumps, and other equipment.
  - b. Calculations shall demonstrate the diversion system conveys the minimum peak flow specified by the Contracting Agency and include tidal influence where applicable.
  - c. Temporary stream diversion shall include a water conveyance system to be used for dewatering and rewatering that is capable of conveying the flow required for the temporary stream diversion.
  - d. Methods for anchoring temporary stream diversion pipe and associated hardware; include calculations to demonstrate the devices ability to anchor the pipe and associated hardware.
  - e. Specifications for all materials and equipment to be used as part of the diversion including pump or diversion capacities and hose sizes. For example, provide the type, profile, and size of pipe.
  - f. Provide the size of fish screens (mesh size and surface area) to be used, in accordance with Section 7-06.3(5) of these Special Provisions.
- 4. Stream Flow Blocking and Dewatering

- a. Provide the method(s), including locations and details (narrative and drawings) for blocking both the upstream and downstream ends of the diversion. Describe how minor leakage from upstream and downstream will be addressed.
  - b. Include provisions for scour protection at the temporary stream diversion outfalls.
  - c. Identify the means and methods for dewatering water and disposal of the water.
5. Contingency Plan
- a. Provide details for the contingency plan.
  - b. Describe the Work that will be implemented to prevent the work area from becoming inundated.
  - c. Provide the type and size of materials that will be used in the event of the work area becoming inundated.
  - d. Describe how the contingency equipment and materials will be inspected and maintained so they are ready for use if required.
  - e. The contingency plan shall be designed to be fully operational within 2 hours.
6. Inspection and Maintenance
- a. Provide the schedule and frequency for inspection of the temporary stream diversion; include weekends and holidays.
  - b. Describe how maintenance will be conducted when inspections identify deficiencies in the temporary stream diversion. These include, but are not limited to removal and disposal of trapped sediment or debris and repairing leaks.
  - c. The Contractor shall keep a record of all inspections and maintenance of the temporary stream diversion.
7. Rewatering the Stream Channel
- a. Detail how the stream channel will be rewatered to comply with water quality requirements.
  - b. Identify measures that will prevent the stranding of fish during rewatering (i.e. describe methods, rates, and durations of the rewatering process knowing that flows downstream of the fish block must be maintained to protect fish).
8. Removal of the Temporary Stream Diversion

- a. Describe the sequence that will be used for removing the temporary stream diversion and methods to prevent water quality impacts.
  - b. Describe how disturbed soil will be permanently stabilized.
  - c. Describe any temporary pipes to remain (requires approval of the Engineer): their type, pipe class, size, location, and plugging procedure.
9. Other Work required for the Contractor's temporary stream diversion

### **7-06.3(3) Fish and Aquatic Species Exclusion and Notifications**

Prior to installing a temporary stream diversion, the Contractor shall allow 7 calendar days after the beginning of the in-water work window defined in the Special Provisions, in their schedule for the Contractor: (1) to install fish block nets upstream and downstream of the in-water Work area; and (2) safely capture and relocate any fish and other aquatic organisms that become trapped between the block nets.

For fish exclusions operations the Contractor shall supply all necessary personnel as well as seining and dip nets to exclude fish from the work area.

Fish exclusion / capture operations shall be conducted by or under the direct supervision of a Fishery Biologist experienced in such efforts. All staff working with the seining operation shall have the proper knowledge, skills and abilities to ensure the safe handling of all ESA-listed fish.

The Contractor shall complete a post-project report that includes the following:

- a) The name, address and telephone number of the Supervisory Fish Biologist.
- b) A description of all seine and release efforts conducted.
- c) A description of the methods used to isolate the work area and minimize disturbances to the ESA-listed species.
- d) A description of the stream conditions before and following the placement and removal of the barriers
- e) The means of fish removal utilized.
- f) The number, size and species of all fish removed listed by species.
- g) The condition of fish handled and released.
- h) Documentation of any incident of fish injury or mortality.

The Contractor shall perform all fish and aquatic species exclusion. The Contracting Agency will pay for this Work by the lump sum bid item "Fish Exclusion".

### **7-06.3(4) Inspection and Maintenance**

At a minimum, the Contractor shall perform the following activities once per day (including weekends and holidays):

1. Check for and correct leaks;
2. Ensure the fish block nets remain sealed to the channel substrate.

The fish block nets shall be kept clear of debris that could jeopardize the integrity of the nets. The Contractor shall perform the following activities a minimum of three times per day or when requested by the Engineer. On working days, these activities shall be performed at the start, middle, and at the end of the working day. On non-working days, these activities shall be performed between 6:00 am and 8:00 am, between 11:00 am and 1:00 pm, and between 4:00 pm and 6:00 pm:

1. Inspect the upstream and downstream fish block nets and remove debris;
2. Inspect the upstream fish block net and all screens and similar facilities for impinged fish;
  - a. The Contractor shall immediately notify the Contracting Agency when impinged fish are discovered.
  - b. Removal of impinged fish will be performed by the Contracting Agency.

The Contractor shall maintain a written record of all inspection and maintenance activities; record to be available at the request of the Engineer.

#### **7-06.3(5) Dewatering Work Area**

Dewatering the isolated in-water Work area shall occur at a rate slow enough to allow the Contractor to safely capture and relocate all fish species and other aquatic organisms to avoid stranding, as determined by the Engineer.

If the diversion inlet is a pump diversion in a fish-bearing stream, the pump intake structure must have a fish screen installed, operated, and maintained in accordance with RCW 77.57.010 and RCW 77.57.070. Screen the pump intake with one of the following:

1. Perforated plate: 0.094 inch (maximum opening diameter);
2. Profile bar: 0.069 inch (maximum width opening); or
3. Woven wire: 0.094 inch (maximum opening measured on the diagonal).

The minimum open area for all types of fish screens is twenty-seven percent. The screened intake facility must have enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. The fish screen must remain in place whenever water is withdrawn from the stream through the pump intake.

Once a pumped diversion begins, the pump must run continuously until it is no longer necessary to bypass flows. The Contractor shall have back-up pumps on site and shall provide twenty-four hour monitoring of the pumping operation. Monitoring can be achieved by providing monitoring personnel on site or through remote sensing and instrumentation to verify operation of the bypass. If the Contractor elects to monitor by remote sensing and instrumentation, a Type 2 Working Drawing shall be submitted outlining how system operation will be monitored, how alerts will be made and how personnel will respond to a diversion system failure.

#### **7-06.3(6) Rewatering the Stream Channel**

The Contractor shall notify the Engineer a minimum of 7 calendar days in advance of rewatering the stream channel.

The Contractor shall introduce water to the new stream channel section and trap sediments until the stream section meets the requirements of these Provisions. Rewatering shall occur at a rate to avoid loss of surface water downstream while the new channel section water is restored.

#### **7-06.3(7) Removal of the Temporary Stream Diversion**

The Contractor shall notify the Engineer two calendar days in advance of beginning the temporary stream diversion removal sequence.

Once the water in the new stream channel will meet the applicable turbidity standards the Contractor may begin removal of the temporary stream diversion and the stream channel opened to flows.

The Contractor shall immediately take all corrective actions necessary to prevent the water from exceeding the turbidity standards should the stream turbidity increase. All Work within the channel, except for removal of the temporary erosion control items, shall be completed before the temporary stream diversion is removed.

All materials used for the diversion shall become the property of the Contractor and removed from the project limits, with the exception of any materials supplied by the Contracting Agency, unless otherwise specified by the Engineer.

#### **7-06.4 Vacant**

#### **7-06.5 Payment**

Payment will be made in accordance with Section 1-04.1 for the following Bid items when included in the proposal:

“Temporary Stream Diversion”, lump sum.

The lump sum Contract price for “Temporary Stream Diversion” shall be full payment to perform the Work as specified. Progress payments for the lump sum item “Temporary Stream Diversion” will be made as follows:

1. Twenty-five percent of the bid amount will be paid following completion of the TSD Plan including resolution of all Contracting Agency review comments.
2. The remaining seventy-five percent of the bid amount shall be paid in accordance with Section 1-09.9.

“Fish Exclusion”, Lump Sum.

## **7-08 General Pipe Installation Requirements**

### **7-08.3 Construction Requirements**

#### **7-08.3(1) Excavation and Preparation of Trenches**

Supplement this section with the following:

##### **Pot-hole Existing Utility**

###### **Description**

At least 24 hours prior to commencing installation of any pipe, structure, traffic signal equipment or illumination equipment, the Contractor shall expose by pot-holing existing underground telephone cables, gas mains, sewer mains, water mains or any other underground utility shown in the Plans that crosses the route of any new pipe or other structure to be installed under this contract. Excavation immediately adjacent to the existing utilities shall be by hand methods in compliance with Washington State requirements.

#### **7-08.3(1) A Trenches**

Revise the sixth paragraph to read as follows:

When, after excavating to the foundation level, the material remaining in the trench bottom is determined to be unsuitable by the Engineer, the excavation shall be continued to such additional depth and width as required by the Engineer. Unsuitable foundation materials shall be disposed of at an approved site. The trench foundation shall be backfilled to the bottom of the pipe zone with Special Borrow including Haul and compacted to form a uniformly dense, unyielding foundation.

#### **7-08.5 Payment**

Supplement this section with the following:

“Unsuitable Foundation Excavation Including Haul”, per cubic yard.

## **Division 8, Miscellaneous Construction**

### **8-01 Erosion Control and Water Pollution Control**

#### **8-01.1 Description**

Supplement this section with the following:

This work shall include the preparation and implementation of a Temporary Erosion and Sedimentation Control (TESC) Plan by the Contractor for this contract.

#### **8-01.3 Construction Requirements**

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

Delete the first sentence and replace it with the following:

The Contractor shall be responsible for the preparation of a temporary erosion and sedimentation control (TESC) Plan for the contract and shall submit this TESC Plan to the Engineer 5 days prior to the preconstruction conference.

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

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

Supplement this section with the following:

Seed: Grass seed, of the following composition, proportion, and quality shall be applied at the rate of 80 pounds per acre on all areas requiring roadside seeding within the project:

Kind and Variety of Seed in Mixture	% By Weight	Minimum % Pure Seed	Minimum % Germination
Chewing Fescue	40	39.2	90
Colonial Bentgrass (Var.Astoria)	10	9.8	85
Perennial Rye	40	39.2	90
White Dutch Clover	10	9.8	90
Weed Seed		0.5 % maximum	
Inert and Other Crop		1.5 % maximum	
<b>TOTAL</b>		<b>100.00 %</b>	

###### **8-01.3(2)B3 Fertilizer**

Supplement this section with the following:

**Application of Fertilizer**

The Contractor shall apply sufficient quantities of fertilizer to supply the following amounts of nutrients:

Total Nitrogen as N - 135 pounds per acre.  
Available Phosphoric Acid as P205 - 60 pounds per acre.  
Soluble Potash as K20 - 60 pounds per acre.

The fertilizer formulation and application rate shall be approved by the Engineer before use.

**8-01.3(2)D Mulch**

Supplement this section with the following:

Mulch for Erosion Control Seeding:

Mulch shall be Short Term Mulch applied at a rate of 2500 pounds per acre.

**8-01.4 Measurement**

Revise the 13<sup>th</sup> paragraph to read:

Seeding, Fertilizing and Mulching will be measured by the square yard by ground slope measurement.

**8-01.5 Payment**

Supplement this section with the following:

“Erosion / Water Pollution Control”, lump sum.

“Seeding, Fertilizing and Mulching”, per square yard.

**8-15 Riprap****8-15.4 Measurement**

Supplement this section with the following:

Streambed Sediment and Streambed Cobbles will be measured by the ton.

**8-15.5 Payment**

Supplement this section with the following:

“Streambed Sediment”, per ton.

“Streambed Cobbles, 6 inch Distribution”, per ton.

**DIVISION 9 Materials**

**9-03 Aggregates**

**9-03.8(2) HMA Test Requirements**

Supplement this section with the following:

**ESAL's**

The number of ESAL's for the design and acceptance of the HMA shall be in the range of more than 300,000 to less than 3 million.

**9-03.14 Borrow**

Supplement section 9-03.14 Borrow with the addition of the following new section:

**9-03.14(5) Special Borrow**

Material for special borrow shall consist of granular material, either naturally occurring or processed, and shall meet the following requirements for grading and quality:

Screen Size	Percent Passing
3"	100
1.5"	70 - 100
3/4"	50 - 85
#4	30 - 60
#40	8 - 24
#200	3 - 10
Sand Equivalent	35 Min.

**9-03.21 Recycled Materials**

Supplement this section with the following:

The Contracting Agency encourages bidders to use recycled materials to the maximum extent feasible.

**Standard Plans**

(August 1, 2016 WSDOT GSP)

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

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

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-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-22.41

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

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.

#### 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
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
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-90.10-0...4/28/16
G-20.10-02.....6/23/15	G-30.10-04.....6/23/15	G-90.11-0...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-90.30-0...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-40.10-02.....6/21/12    L-70.10-01.....5/21/08  
L-20.10-03.....7/14/15    L-40.15-01.....6/16/11    L-70.20-01.....5/21/08  
L-30.10-02.....6/11/14    L-40.20-02.....6/21/12

M-1.20-03.....6/24/14    M-9.60-00.....2/10/09    M-40.10-03.....6/24/14  
M-1.40-02.....6/3/11    M-11.10-01.....1/30/07    M-40.20-00...10/12/07  
M-1.60-02.....6/3/11    M-15.10-01.....2/6/07    M-40.30-00.....9/20/07  
M-1.80-03.....6/3/11    M-17.10-02.....7/3/08    M-40.40-00.....9/20/07  
M-2.20-03.....7/10/15    M-20.10-02.....6/3/11    M-40.50-00.....9/20/07  
M-2.21-00.....7/10/15    M-20.20-02.....4/20/15    M-40.60-00.....9/20/07  
M-3.10-03.....6/3/11    M-20.30-04.....2/29/16    M-60.10-01.....6/3/11  
M-3.20-02.....6/3/11    M-20.40-03.....6/24/14    M-60.20-02.....6/27/11  
M-3.30-03.....6/3/11    M-20.50-02.....6/3/11    M-65.10-02.....5/11/11  
M-3.40-03.....6/3/11    M-24.20-02.....4/20/15    M-80.10-01.....6/3/11  
M-3.50-02.....6/3/11    M-24.40-02.....4/20/15    M-80.20-00.....6/10/08  
M-5.10-02.....6/3/11    M-24.50-00.....6/16/11    M-80.30-00.....6/10/08  
M-7.50-01.....1/30/07    M-24.60-04.....6/24/14

**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: 12/06/2016

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Kitsap	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$45.25	<u>5D</u>	<u>1H</u>	
Kitsap	<a href="#">Boilermakers</a>	Journey Level	\$30.34		<u>1</u>	
Kitsap	<a href="#">Brick Mason</a>	Journey Level	\$54.32	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Brick Mason</a>	Pointer-Caulker-Cleaner	\$54.32	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Building Service Employees</a>	Janitor	\$9.47		<u>1</u>	
Kitsap	<a href="#">Building Service Employees</a>	Shampooer	\$9.47		<u>1</u>	
Kitsap	<a href="#">Building Service Employees</a>	Waxer	\$9.47		<u>1</u>	
Kitsap	<a href="#">Building Service Employees</a>	Window Cleaner	\$13.22		<u>1</u>	
Kitsap	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$23.72		<u>1</u>	
Kitsap	<a href="#">Carpenters</a>	Acoustical Worker	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Bridge, Dock And Wharf Carpenters	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Carpenter	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Carpenters on Stationary Tools	\$55.64	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Creosoted Material	\$55.61	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Floor Finisher	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Floor Layer	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Carpenters</a>	Scaffold Erector	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Cement Masons</a>	Journey Level	\$55.56	<u>7A</u>	<u>1M</u>	
Kitsap	<a href="#">Divers &amp; Tenders</a>	Diver	\$108.77	<u>5D</u>	<u>4C</u>	<u>8A</u>
Kitsap	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$66.05	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$59.88	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator	\$59.88	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Divers &amp; Tenders</a>		\$55.76	<u>5A</u>	<u>4C</u>	

		Surface Rcv & Rov Operator Tender			
Kitsap	<a href="#">Dredge Workers</a>	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Mates	\$56.44	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Dredge Workers</a>	Oiler	\$56.00	<u>5D</u>	<u>3F</u>
Kitsap	<a href="#">Drywall Applicator</a>	Journey Level	\$55.51	<u>5D</u>	<u>1H</u>
Kitsap	<a href="#">Drywall Tapers</a>	Journey Level	\$55.66	<u>5P</u>	<u>1E</u>
Kitsap	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$31.74		<u>1</u>
Kitsap	<a href="#">Electricians - Inside</a>	Journey Level	\$51.26		<u>1</u>
Kitsap	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.37		<u>1</u>
Kitsap	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$14.69		<u>1</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$71.85	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$65.71	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$44.12	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$65.71	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$65.71	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$55.34	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$65.71	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$49.16	<u>5A</u>	<u>4D</u>
Kitsap	<a href="#">Electronic Technicians</a>	Journey Level	\$44.76	<u>7E</u>	<u>1D</u>
Kitsap	<a href="#">Elevator Constructors</a>	Mechanic	\$85.45	<u>7D</u>	<u>4A</u>
Kitsap	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$92.35	<u>7D</u>	<u>4A</u>
Kitsap	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In- Factory Work Only	\$13.50		<u>1</u>
Kitsap	<a href="#">Fence Erectors</a>	Fence Erector	\$13.80		<u>1</u>
Kitsap	<a href="#">Fence Erectors</a>	Fence Laborer	\$11.60		<u>1</u>
Kitsap	<a href="#">Flaggers</a>	Journey Level	\$38.36	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Glaziers</a>	Journey Level	\$58.31	<u>7L</u>	<u>1Y</u>
Kitsap	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journeyman	\$65.43	<u>5J</u>	<u>1S</u>
Kitsap	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$75.46	<u>7F</u>	<u>1E</u>
Kitsap	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$46.66	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$29.89		<u>1</u>

Kitsap	<a href="#">Inland Boatmen</a>	Boat Operator	\$56.78	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inland Boatmen</a>	Cook	\$53.30	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inland Boatmen</a>	Deckhand	\$53.30	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$54.32	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inland Boatmen</a>	Launch Operator	\$55.57	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inland Boatmen</a>	Mate	\$55.57	<u>5B</u>	<u>1K</u>	
Kitsap	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>	
Kitsap	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$11.48		<u>1</u>	
Kitsap	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$12.78		<u>1</u>	
Kitsap	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$24.17		<u>1</u>	
Kitsap	<a href="#">Insulation Applicators</a>	Journey Level	\$55.51	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Ironworkers</a>	Journeyman	\$65.53	<u>7N</u>	<u>10</u>	
Kitsap	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Airtrac Drill Operator	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Ballast Regular Machine	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Batch Weighman	\$38.36	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Brick Pavers	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Brush Cutter	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Brush Hog Feeder	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Burner	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Caisson Worker	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Carpenter Tender	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Caulker	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Cement Dumper-paving	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Cement Finisher Tender	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Change House Or Dry Shack	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Chipping Gun (under 30 Lbs.)	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Chipping Gun(30 Lbs. And Over)	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Choker Setter	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Chuck Tender	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Clary Power Spreader	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Clean-up Laborer	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Concrete Dumper/chute Operator	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Concrete Form Stripper	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Concrete Placement Crew	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>		\$46.09	<u>7A</u>	<u>3I</u>	

		Concrete Saw Operator/core Driller			
Kitsap	<a href="#">Laborers</a>	Crusher Feeder	\$38.36	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Curing Laborer	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (incl. Charred Material)	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Ditch Digger	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Diver	\$46.66	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Drill Operator (hydraulic, diamond)	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Dry Stack Walls	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Dump Person	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Epoxy Technician	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Erosion Control Worker	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Fine Graders	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Firewatch	\$38.36	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Form Setter	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Gabian Basket Builders	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	General Laborer	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$46.66	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Grinders	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Grout Machine Tender	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Groutmen (pressure) including Post Tension Beams	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Guardrail Erector	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$46.66	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	High Scaler	\$46.66	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Jackhammer	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Laserbeam Operator	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Maintenance Person	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Manhole Builder-mudman	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Material Yard Person	\$45.25	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Motorman-dinky Locomotive	\$46.09	<u>7A</u>	<u>3I</u>
Kitsap	<a href="#">Laborers</a>	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock,	\$46.09	<u>7A</u>	<u>3I</u>

		Sandblast, Gunite, Shotcrete, Water Bla				
Kitsap	<a href="#">Laborers</a>	Pavement Breaker	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pilot Car	\$38.36	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pipe Layer Lead	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pipe Layer/tailor	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pipe Pot Tender	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pipe Reliner	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pipe Wrapper	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Pot Tender	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Powderman	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Powderman's Helper	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Power Jacks	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Raker - Asphalt	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Re-timberman	\$46.66	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Remote Equipment Operator	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Rigger/signal Person	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Rip Rap Person	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Rivet Buster	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Rodder	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Scaffold Erector	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Scale Person	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Sloper (over 20")	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Sloper Sprayer	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Spreader (concrete)	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Stake Hopper	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Stock Piler	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Tamper (multiple & Self-propelled)	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Timber Person - Sewer (lagger, Shorer & Cribber)	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Topper	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Track Laborer	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Track Liner (power)	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Traffic Control Laborer	\$41.02	<u>7A</u>	<u>3I</u>	<u>8R</u>
Kitsap	<a href="#">Laborers</a>	Traffic Control Supervisor	\$41.02	<u>7A</u>	<u>3I</u>	<u>8R</u>
Kitsap	<a href="#">Laborers</a>	Truck Spotter	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Tugger Operator	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>		\$83.12	<u>7A</u>	<u>3I</u>	<u>8Q</u>

		Tunnel Work- Compressed Air Worker 0-30 psi				
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 30.01-44.00 psi	\$88.15	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 44.01-54.00 psi	\$91.83	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 54.01-60.00 psi	\$97.53	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 60.01-64.00 psi	\$99.65	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 64.01-68.00 psi	\$104.75	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 68.01-70.00 psi	\$106.65	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 70.01-72.00 psi	\$108.65	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work- Compressed Air Worker 72.01-74.00 psi	\$110.65	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$46.76	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Tunnel Work-Miner	\$46.76	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	<a href="#">Laborers</a>	Vibrator	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Vinyl Seamer	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Watchman	\$34.86	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Welder	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Well Point Laborer	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers</a>	Window Washer/cleaner	\$34.86	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$45.25	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$46.09	<u>7A</u>	<u>3I</u>	
Kitsap	<a href="#">Landscape Construction</a>	Irrigation Or Lawn Sprinkler Installers	\$9.47		<u>1</u>	
Kitsap	<a href="#">Landscape Construction</a>	Landscape Equipment Operators Or Truck Drivers	\$10.05		<u>1</u>	
Kitsap	<a href="#">Landscape Construction</a>	Landscaping Or Planting Laborers	\$12.92		<u>1</u>	
Kitsap	<a href="#">Lathers</a>	JOURNEY LEVEL	\$21.00		<u>1</u>	
Kitsap	<a href="#">Marble Setters</a>	Journey Level	\$54.32	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$26.96		<u>1</u>	
Kitsap	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$9.47		<u>1</u>	
Kitsap	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$13.83		<u>1</u>	

Kitsap	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$13.83		<u>1</u>	
Kitsap	<a href="#">Millwright</a>	Journey Level	\$44.89		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Cabinet Assembly	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Electrician	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Equipment Maintenance	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Plumber	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Production Worker	\$9.47		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Tool Maintenance	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Utility Person	\$11.56		<u>1</u>	
Kitsap	<a href="#">Modular Buildings</a>	Welder	\$11.56		<u>1</u>	
Kitsap	<a href="#">Painters</a>	Journey Level	\$40.60	<u>6Z</u>	<u>2B</u>	
Kitsap	<a href="#">Pile Driver</a>	Journey Level	\$55.76	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Plasterers</a>	Journey Level	\$53.20	<u>7Q</u>	<u>1R</u>	
Kitsap	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$9.47		<u>1</u>	
Kitsap	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$65.52	<u>5A</u>	<u>1G</u>	
Kitsap	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operators	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Batch Plant Operator, Concrete	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Bobcat	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Brooms	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cableways	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Chipper	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Compressor	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine -laser Screed	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Conveyors	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes Friction: 200 tons and over	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: 100 Tons Through 199 Tons, Or	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>

		150' Of Boom (Including Jib With Attachments)				
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	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>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: A-frame - 10 Tons And Under	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: Friction cranes through 199 tons	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Crusher	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Deck Engineer/deck Winches (power)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Derricks, On Building Work	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Elevator And Man-lift: Permanent And Shaft Type	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Forklift: 3000 Lbs And Over With Attachments	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Forklifts: Under 3000 Lbs. With Attachments	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Gradechecker/stakeman	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Guardrail Punch	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>		\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Horizontal/directional Drill Locator				
Kitsap	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Operator	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks Over 10 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Motor Patrol Graders	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 100 Tons And Over	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Power Plant	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>		\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Quad 9, Hd 41, D10 And Over				
Kitsap	<a href="#">Power Equipment Operators</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Rigger And Bellman	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Rigger/Signal Person, Bellman (Certified)	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Rollagon	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Service Engineers - Equipment	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shotcrete/gunite Equipment	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Tower Crane Up To 175' In Height Base To Boom	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	<a href="#">Power Equipment Operators</a>	Tower Crane: over 175' through 250' in height, base to boom	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Tower Cranes: over 250' in height from base to boom	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver Under 100 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Welder	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Asphalt Plant Operators	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Assistant Engineer	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Batch Plant Operator, Concrete	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Bobcat	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Brooms	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Bump Cutter	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cableways	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Chipper	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Compressor	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Finish Machine -laser Screed	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Conveyors	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes Friction: 200 tons and over	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	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>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	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>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: A-frame - 10 Tons And Under	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Friction cranes through 199 tons	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Crusher	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Deck Engineer /deck Winches (power)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap		Derricks, On Building Work	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>

	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>					
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Drilling Machine	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Elevator And Man-lift: Permanent And Shaft Type	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Forklift: 3000 Lbs And Over With Attachments	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Forklifts: Under 3000 Lbs. With Attachments	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Gradechecker/stakeman	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Guardrail Punch	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/directional Drill Locator	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/directional Drill Operator	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks Over 10 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/boom Trucks, 10 Tons And Under	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap		Loader, Overhead 8 Yards. & Over	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>

	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>					
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Locomotives, All	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Material Transfer Device	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Motor Patrol Graders	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 100 Tons And Over	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pavement Breaker	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pile Driver (other Than Crane Mount)	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap		Plant Oiler - Asphalt, Crusher	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>

	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>					
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Power Plant	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pumps - Water	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quad 9, Hd 41, D10 And Over	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rigger And Bellman	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rigger/Signal Person, Bellman (Certified)	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Rollagon	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Saws - Concrete	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Service Engineers - Equipment	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shotcrete/gunite Equipment	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Slipform Pavers	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Crane Up To 175' In Height Base To Boom	\$59.28	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Crane: over 175' through 250' in height, base to boom	\$59.88	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Tower Cranes: over 250' in height from base to boom	\$60.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Trenching Machines	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver Under 100 Tons	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Welder	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$55.21	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$58.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$47.08	<u>5A</u>	<u>4A</u>	
Kitsap	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$44.64	<u>5A</u>	<u>4A</u>	
Kitsap	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$47.08	<u>5A</u>	<u>4A</u>	
Kitsap	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$42.01	<u>5A</u>	<u>4A</u>	
Kitsap	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$31.65	<u>5A</u>	<u>4A</u>	
Kitsap	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Mechanic	\$65.52	<u>5A</u>	<u>1G</u>	
Kitsap	<a href="#">Residential Brick Mason</a>	Journey Level	\$17.04		<u>1</u>	
Kitsap	<a href="#">Residential Carpenters</a>	Journey Level	\$41.69	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Residential Cement Masons</a>	Journey Level	\$30.87		<u>1</u>	
Kitsap	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$41.69	<u>5D</u>	<u>4C</u>	
Kitsap	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$20.00		<u>1</u>	
Kitsap	<a href="#">Residential Electricians</a>	Journey Level	\$27.00		<u>1</u>	
Kitsap	<a href="#">Residential Glaziers</a>	Journey Level	\$58.31	<u>7L</u>	<u>1Y</u>	
Kitsap	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$13.96		<u>1</u>	
Kitsap	<a href="#">Residential Laborers</a>	Journey Level	\$16.89		<u>1</u>	
Kitsap	<a href="#">Residential Marble Setters</a>	Journey Level	\$17.04		<u>1</u>	
Kitsap	<a href="#">Residential Painters</a>	Journey Level	\$19.52		<u>1</u>	
Kitsap	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$21.11		<u>1</u>	
Kitsap	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$17.64		<u>1</u>	
Kitsap	<a href="#">Residential Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$28.95		<u>1</u>	
Kitsap	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$19.38		<u>1</u>	
Kitsap	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$27.74		<u>1</u>	
Kitsap	<a href="#">Residential Stone Masons</a>	Journey Level	\$54.32	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$9.47		<u>1</u>	
Kitsap	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$30.26		<u>1</u>	
Kitsap	<a href="#">Residential Tile Setters</a>	Journey Level	\$31.14		<u>1</u>	
Kitsap	<a href="#">Roofers</a>	Journey Level	\$46.46	<u>5A</u>	<u>3H</u>	

Kitsap	<a href="#">Roofers</a>	Using Irritable Bituminous Materials	\$49.46	<u>5A</u>	<u>3H</u>	
Kitsap	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$75.46	<u>7F</u>	<u>1E</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	CARPENTER	\$19.29		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	ELECTRICIAN	\$25.53		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	Heat & Frost Insulator	\$65.43	<u>5J</u>	<u>1S</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	Laborer	\$19.64		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	MACHINIST	\$19.29		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	OPERATOR	\$19.44		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	Painter	\$40.60	<u>6Z</u>	<u>2B</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	PIPEFITTER	\$19.29		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	RIGGER	\$19.29		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	Sheet Metal	\$22.21		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	SHIPFITTER	\$19.29		<u>1</u>	
Kitsap	<a href="#">Shipbuilding &amp; Ship Repair</a>	WELDER/BURNER	\$19.29		<u>1</u>	
Kitsap	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$20.58		<u>1</u>	
Kitsap	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Journey Level	\$9.47		<u>1</u>	
Kitsap	<a href="#">Soft Floor Layers</a>	Journey Level	\$45.86	<u>5A</u>	<u>3D</u>	
Kitsap	<a href="#">Solar Controls For Windows</a>	Journey Level	\$10.31		<u>1</u>	
Kitsap	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$72.49	<u>5C</u>	<u>1X</u>	
Kitsap	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$13.23		<u>1</u>	
Kitsap	<a href="#">Stone Masons</a>	Journey Level	\$54.32	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$16.00		<u>1</u>	
Kitsap	<a href="#">Surveyors</a>	Assistant Construction Site Surveyor	\$57.72	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Surveyors</a>	Chainman	\$57.17	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Surveyors</a>	Construction Site Surveyor	\$58.69	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	<a href="#">Telecommunication Technicians</a>	Journey Level	\$43.32	<u>7E</u>	<u>1E</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$20.79	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Installer (Repairer)	\$36.02	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Special Aparatus Installer I	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Special Apparatus Installer II	\$36.82	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Heavy)	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$34.94	<u>5A</u>	<u>2B</u>	

Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$34.93	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Television Groundperson	\$19.73	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Television Lineperson/Installer	\$26.31	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Television System Technician	\$31.50	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Television Technician	\$28.23	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Telephone Line Construction - Outside</a>	Tree Trimmer	\$34.93	<u>5A</u>	<u>2B</u>	
Kitsap	<a href="#">Terrazzo Workers</a>	Journey Level	\$48.86	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Tile Setters</a>	Journey Level	\$48.86	<u>5A</u>	<u>1M</u>	
Kitsap	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Journey Level	\$12.00		<u>1</u>	
Kitsap	<a href="#">Traffic Control Stripers</a>	Journey Level	\$44.35	<u>7A</u>	<u>1K</u>	
Kitsap	<a href="#">Truck Drivers</a>	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	\$51.25	<u>5D</u>	<u>3A</u>	<u>8L</u>
Kitsap	<a href="#">Truck Drivers</a>	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	\$50.41	<u>5D</u>	<u>3A</u>	<u>8L</u>
Kitsap	<a href="#">Truck Drivers</a>	Dump Truck	\$19.60		<u>1</u>	
Kitsap	<a href="#">Truck Drivers</a>	Dump Truck And Trailer	\$19.60		<u>1</u>	
Kitsap	<a href="#">Truck Drivers</a>	Other Trucks	\$18.37		<u>1</u>	
Kitsap	<a href="#">Truck Drivers</a>	Transit Mixer	\$20.79		<u>1</u>	
Kitsap	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$13.17		<u>1</u>	
Kitsap	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$14.08		<u>1</u>	
Kitsap	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$14.40		<u>1</u>	

Benefit Code Key – Effective 8/31/2016 thru 3/2/2017

\*\*\*\*\*

**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.

**Holiday Codes**

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Benefit Code Key – Effective 8/31/2016 thru 3/2/2017

**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 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 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.
- 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.

**Washington State Department of Labor and Industries**  
**Policy Statement**  
**(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

**WSDOT's  
Predetermined List for  
Suppliers - Manufactures - Fabricator**

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		<b>X</b>
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		<b>X</b>
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		<b>X</b>
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		<b>X</b>
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		<b>X</b>
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		<b>X</b>
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		<b>X</b>

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		<b>X</b>
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	<b>X</b>	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	<b>X</b>	
11. Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	<b>X</b>	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		<b>X</b>
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	<b>X</b>	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		<b>X</b>
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		<b>X</b>
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		<b>X</b>

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		<b>X</b>
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		<b>X</b>
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		<b>X</b>
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		<b>X</b>
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		<b>X</b>
22. Vault Risers - For use with Valve Vaults and Utilities  X Vaults.		<b>X</b>
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		<b>X</b>
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		<b>X</b>
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	<b>X</b>	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	<b>X</b>	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	<b>X</b>	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	<b>X</b>	
32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	<b>X</b>	
33. Monument Case and Cover See Std. Plan.		<b>X</b>

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	<b>X</b>	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	<b>X</b>	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	<b>X</b>	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		<b>X</b>
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	<b>X</b>	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	<b>X</b>	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	<b>X</b>	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		<b>X</b>

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. <b>NOTE:</b> *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	<b>X</b>	<b>X</b>
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		<b>X</b>
44. Guardrail components	<b>X</b>	<b>X</b>
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		<b>X</b>
48. Electrical wiring/components		<b>X</b>
49. treated or untreated timber pile		<b>X</b>
50. Girder pads (elastomeric bearing)	<b>X</b>	
51. Standard Dimension lumber		<b>X</b>
52. Irrigation components		<b>X</b>

ITEM DESCRIPTION	YES	NO
53. Fencing materials		<b>X</b>
54. Guide Posts		<b>X</b>
55. Traffic Buttons		<b>X</b>
56. Epoxy		<b>X</b>
57. Cribbing		<b>X</b>
58. Water distribution materials		<b>X</b>
59. Steel "H" piles		<b>X</b>
60. Steel pipe for concrete pile casings		<b>X</b>
61. Steel pile tips, standard		<b>X</b>
62. Steel pile tips, custom	<b>X</b>	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW [39.12.010](#)

(The definition of "locality" in RCW [39.12.010](#)(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

### **WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects**

This project is subject to the state hourly minimum rates for wages and fringe benefits in

the contract provisions, as provided by the state Department of Labor and Industries. The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects. When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential \*\*\* ALL ASSOCIATED RATES \*\*\*
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries  
Policy Statements  
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

**WAC 296-127-018 Agency filings affecting this section**

**Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.**

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

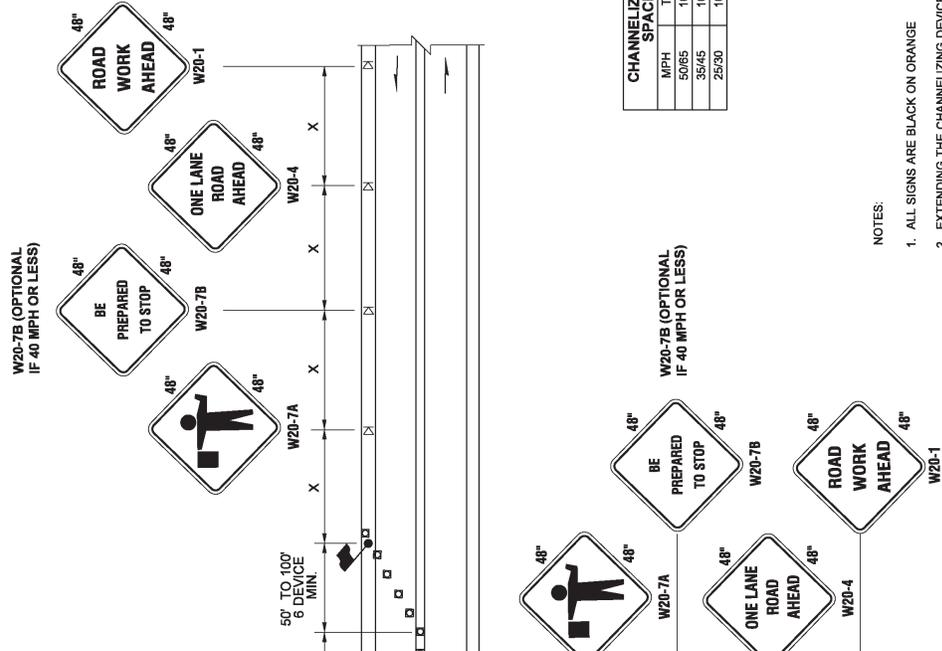
(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

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	485	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR	30 FEET MIN. 100 FEET MAX.									
MINIMUM WEIGHT VEHICLE (6,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.)	NO SPECIFIED DISTANCE REQUIRED									
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED									

SIGN SPACING = X (1)	
RURAL HIGHWAYS	60 / 65 MPH 800' ±
RURAL ROADS	45 / 55 MPH 500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH 350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH 200' ± (2)
URBAN STREETS	25 MPH OR LESS 100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



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

# ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

- LEGEND**
- FLAGGING STATION
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - PROTECTIVE VEHICLE

FILE NAME	S:\Design\RP\Std\Standard\3-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-1\TC-1.dgn
TITLE	3-Plan Sheet Library
DATE	04/27/2013
DESIGNED BY	Cytroil
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	DATE BY
FED. AID PROJ. NO.	STATE
10 WASH	10
JOB NUMBER	CONTRACT NO.
LOCATION NO.	DATE



TRAFFIC CONTROL PLAN

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)	
LANE WIDTH (feet)	Posted Speed (mph)
25	30 35 40 45 50 55 60 65 70
10	105 150 205 270 450 500 550 - -
11	165 225 285 485 550 605 680 - -
12	125 180 245 320 540 600 660 720 780 840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)	
SHOULDER WIDTH (feet)	Posted Speed (mph)
8'	30 35 40 45 50 55 60 65 70
10'	40 60 90 120 130 150 160 170 180 200 220 240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)	
FREEWAYS & EXPRESSWAYS	55 / 70 MPH
RURAL HIGHWAYS	60 / 65 MPH
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS
URBAN STREETS	25 MPH OR LESS
	1500' ±
	800' ±
	500' ±
	350' ± (2)
	200' ± (2)
	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE AND OTHER SPECIAL SITUATIONS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CANALIZATION DEVICE SPACING (feet)	
MPH	TAPER
50/70	40
55/65	30
25/30	20

LONGITUDINAL BUFFER SPACE = B		
LENGTH (feet)	MIN.	MAX.
25	30	35
40	45	50
50	55	60
60	65	70
70	75	80
80	85	90
90	95	100
100	105	110
110	115	120
120	125	130
130	135	140
140	145	150
150	155	160
160	165	170
170	175	180
180	185	190
190	195	200
200	205	210
210	215	220
220	225	230
230	235	240
240	245	250
250	255	260
260	265	270
270	275	280
280	285	290
290	295	300
300	305	310
310	315	320
320	325	330
330	335	340
340	345	350
350	355	360
360	365	370
370	375	380
380	385	390
390	395	400
400	405	410
410	415	420
420	425	430
430	435	440
440	445	450
450	455	460
460	465	470
470	475	480
480	485	490
490	495	500
500	505	510
510	515	520
520	525	530
530	535	540
540	545	550
550	555	560
560	565	570
570	575	580
580	585	590
590	595	600
600	605	610
610	615	620
620	625	630
630	635	640
640	645	650
650	655	660
660	665	670
670	675	680
680	685	690
690	695	700
700	705	710
710	715	720
720	725	730
730	735	740
740	745	750
750	755	760
760	765	770
770	775	780
780	785	790
790	795	800
800	805	810
810	815	820
820	825	830
830	835	840
840	845	850
850	855	860
860	865	870
870	875	880
880	885	890
890	895	900
900	905	910
910	915	920
920	925	930
930	935	940
940	945	950
950	955	960
960	965	970
970	975	980
980	985	990
990	995	1000

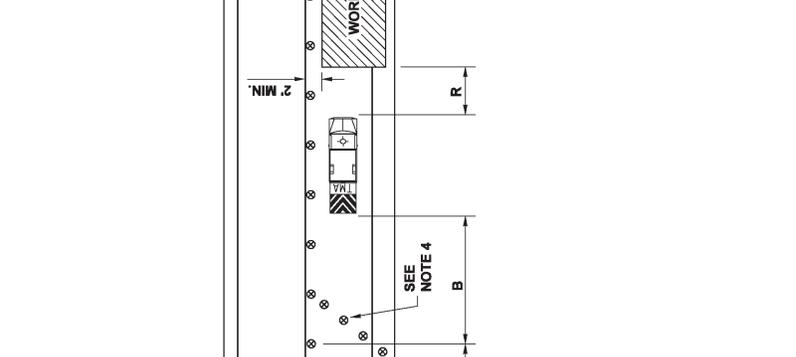
**TRANSPORTABLE ATTENUATOR**  
 MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.  
 30 FEET MIN. TO 100 FEET MAX.

BUFFER DATA		
LONGITUDINAL BUFFER SPACE = B		
LENGTH (feet)	MIN.	MAX.
25	30	35
40	45	50
50	55	60
60	65	70
70	75	80
80	85	90
90	95	100
100	105	110
110	115	120
120	125	130
130	135	140
140	145	150
150	155	160
160	165	170
170	175	180
180	185	190
190	195	200
200	205	210
210	215	220
220	225	230
230	235	240
240	245	250
250	255	260
260	265	270
270	275	280
280	285	290
290	295	300
300	305	310
310	315	320
320	325	330
330	335	340
340	345	350
350	355	360
360	365	370
370	375	380
380	385	390
390	395	400
400	405	410
410	415	420
420	425	430
430	435	440
440	445	450
450	455	460
460	465	470
470	475	480
480	485	490
490	495	500
500	505	510
510	515	520
520	525	530
530	535	540
540	545	550
550	555	560
560	565	570
570	575	580
580	585	590
590	595	600
600	605	610
610	615	620
620	625	630
630	635	640
640	645	650
650	655	660
660	665	670
670	675	680
680	685	690
690	695	700
700	705	710
710	715	720
720	725	730
730	735	740
740	745	750
750	755	760
760	765	770
770	775	780
780	785	790
790	795	800
800	805	810
810	815	820
820	825	830
830	835	840
840	845	850
850	855	860
860	865	870
870	875	880
880	885	890
890	895	900
900	905	910
910	915	920
920	925	930
930	935	940
940	945	950
950	955	960
960	965	970
970	975	980
980	985	990
990	995	1000

PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

- NOTES:**
- NO FLAGGERS OR SPOTTERS.
  - EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
  - DEVICES SHALL NOT ENCRONCH INTO THE ADJACENT LANE.
  - USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (RECOMMENDED).
  - DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'
  - ALL SIGNS ARE BLACK ON ORANGE.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



**LEGEND**

- ☒ TEMPORARY SIGN LOCATION
- ⊗ TRAFFIC SAFETY DRUM
- ▷▷▷ SEQUENTIAL ARROW SIGN
- ☒ TRANSPORTABLE ATTENUATOR
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

# SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

		<b>TRAFFIC CONTROL PLAN</b>	
FILE NAME S:\Design R P&S\Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-3ITC-3.dgn	REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME 10:50:26 AM	DATE 5/17/2013	JOB NUMBER	LOCATION NO.
DESIGNED BY CyfordL	ENTERED BY	CONTRACT NO.	DATE
CHECKED BY	PROJ. ENGR.	BY	DATE
REGIONAL ADM.	REVISION	P.E. STAMP BOX	DATE

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	465	500	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)			
FREeways & EXPRESSWAYS	55 / 70 MPH	1500' ±	
RURAL HIGHWAYS	60 / 65 MPH	800' ±	
RURAL ROADS	45 / 55 MPH	500' ±	
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±	
RURAL ROADS & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)	
URBAN STREETS	25 MPH OR LESS	100' ± (2)	

CHANNELIZATION DEVICE SPACING (feet)			
MPH	TAPER	TANGENT	
50/70	40'	90'	
35/45	30'	60'	
25/30	20'	40'	

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	8'	25	30	35	40	45	50	55	60	65
10'	40	60	90	120	130	150	160	170	190	240
	40	60	90	150	170	190	200	220	240	

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	485	570	645	730

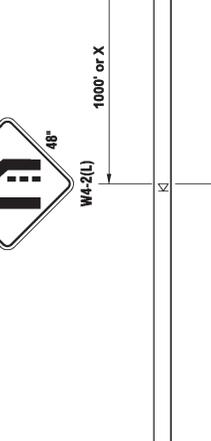
PCMS	
1	2
2 LANES WATCH FOR SLOW TRAFFIC AHEAD	
2.0 SEC	2.0 SEC

PCMS	
1	2
2 LANES WATCH FOR SLOW TRAFFIC AHEAD	
2.0 SEC	2.0 SEC

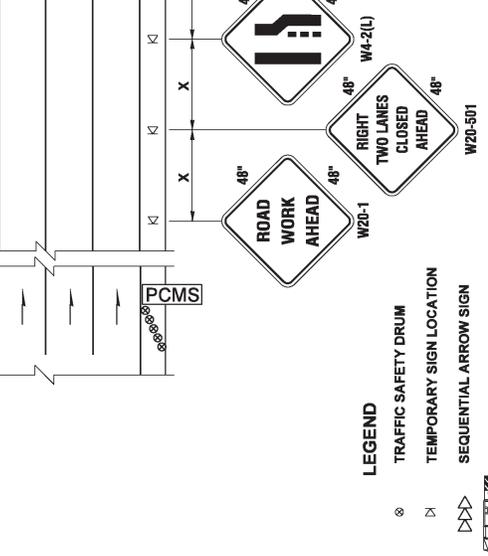
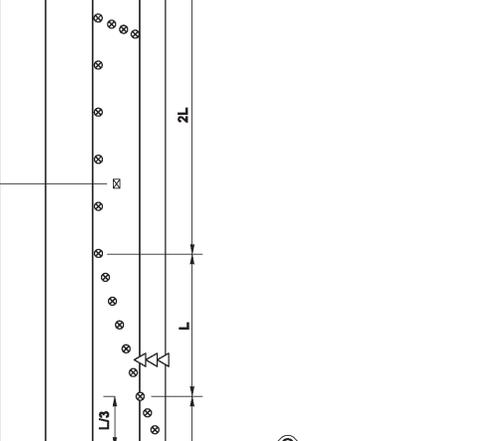
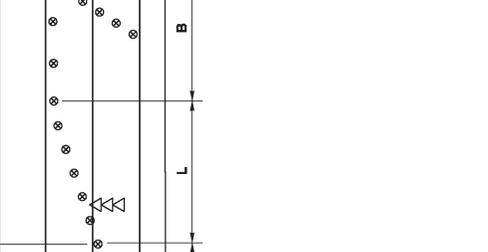
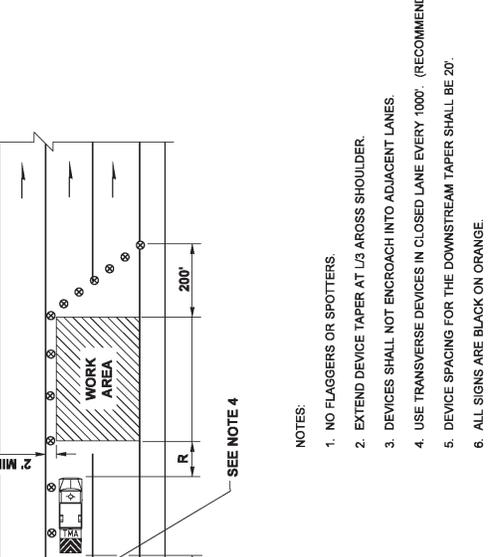
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	485	570	645	730

TRANSPORTABLE ATTENUATOR  
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.  
30 FEET MIN. TO 100 FEET MAX.

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

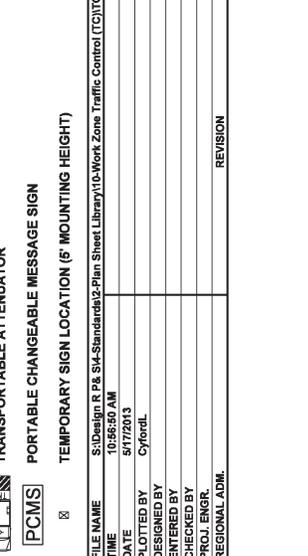
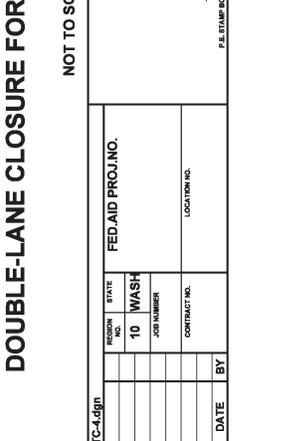


USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.



- LEGEND**
- ⊗ TRAFFIC SAFETY DRUM
  - ⊘ TEMPORARY SIGN LOCATION
  - ⇨ SEQUENTIAL ARROW SIGN
  - ⊠ TRANSPORTABLE ATTENUATOR
  - ⊡ PORTABLE CHANGEABLE MESSAGE SIGN
  - ⊞ TEMPORARY SIGN LOCATION (6' MOUNTING HEIGHT)

- NOTES:**
1. NO FLAGGERS OR SPOTTERS.
  2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
  3. DEVICES SHALL NOT ENCRoACH INTO ADJACENT LANES.
  4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'. (RECOMMENDED).
  5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
  6. ALL SIGNS ARE BLACK ON ORANGE.
  7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



**DOUBLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS**

NOT TO SCALE

FILE NAME	S:\Design R & S\Standards\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-ATC-4.dgn
DATE	05/25/2013
DESIGNED BY	CyfordL
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

RECORD NO.	10	STATE	WASH	FED.AID PROJ.NO.	
JOB NUMBER		CONTRACT NO.		LOCATION NO.	

DATE	BY	REVISION

DATE	BY	REVISION

SIGN SPACING = X (1)	
RURAL ROADS & URBAN ARTERIALS	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	60	90	-	-	-	-	-
10'	40	40	60	90	90	-	-	-	-	-

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

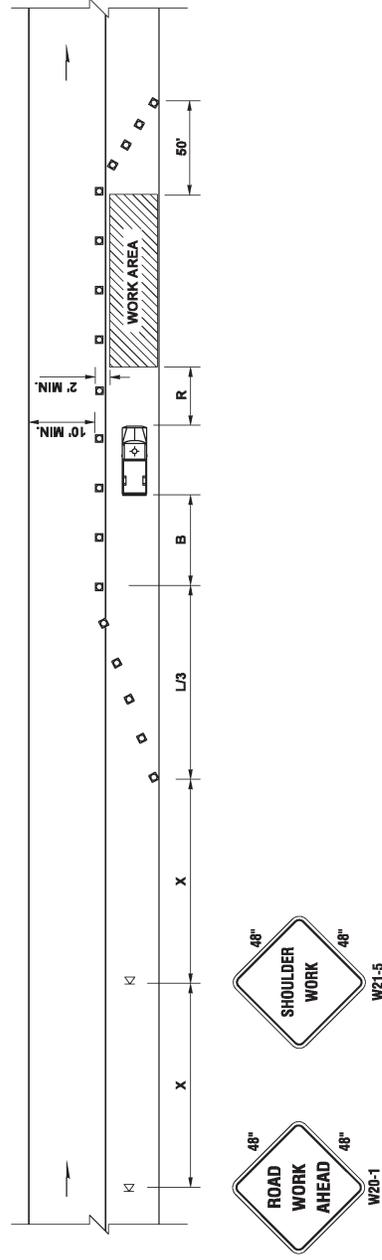
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305						

**BUFFER VEHICLE ROLL-AHEAD DISTANCE = R**

TRANSPORTABLE ATTENUATOR  
 MINIMUM HOST VEHICLE WEIGHT: 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.  
 30 FEET MIN. TO 100 FEET MAX.

PROTECTIVE VEHICLE  
 MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.  
 NO SPECIFIED DISTANCE REQUIRED



- LEGEND**
- ⊠ TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - ⊠ PROTECTIVE VEHICLE

**SHOULDER CLOSURE - LOW SPEED  
(40 MPH OR LESS)**

NOT TO SCALE

- NOTES:**
1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
  2. ALL SIGNS ARE BLACK ON ORANGE.
  3. NO FLAGGERS OR SPOTTERS.

FILE NAME	S:\Design\RP\Std\Standard\3-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-5.dgn		
TITLE	RP	STATE	FED.AID PROJ.NO.
DATE	10/13	10	WASH
DESIGNED BY	Cytrodl	JOB NUMBER	CONTRACT NO.
CHECKED BY		LOCATION NO.	
PROJ. ENGR		DATE	BY
REGIONAL ADM.		REVISION	

Washington State  
 Department of Transportation

P.E. STAMP BOX \_\_\_\_\_ DATE \_\_\_\_\_

P.E. STAMP BOX \_\_\_\_\_ DATE \_\_\_\_\_

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	10	25	30	35	40	45	50	55	60	65
11	-	-	-	-	450	500	550	-	-	-
12	-	-	-	-	485	550	605	660	-	-

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	8'	25	30	35	40	45	50	55	60	65
10'	40	60	90	120	150	180	200	220	240	-

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)			
MPH	TAPER	TANGENT	
50/70	40	80	
40/45	30	60	

SIGN SPACING = X (1)										
FREWAYS & EXPRESSWAYS	55 / 70 MPH	150' ±								
RURAL HIGHWAYS	60 / 65 MPH	80' ±								
RURAL ROADS	45 / 55 MPH	50' ±								

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

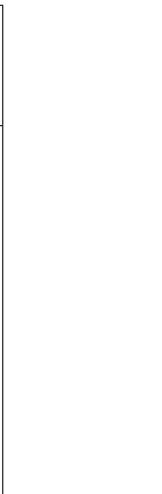
SIGN SPACING = X (1)			
FREWAYS & EXPRESSWAYS	55 / 70 MPH	150' ±	
RURAL HIGHWAYS	60 / 65 MPH	80' ±	
RURAL ROADS	45 / 55 MPH	50' ±	

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	-	360	425	465	570	645

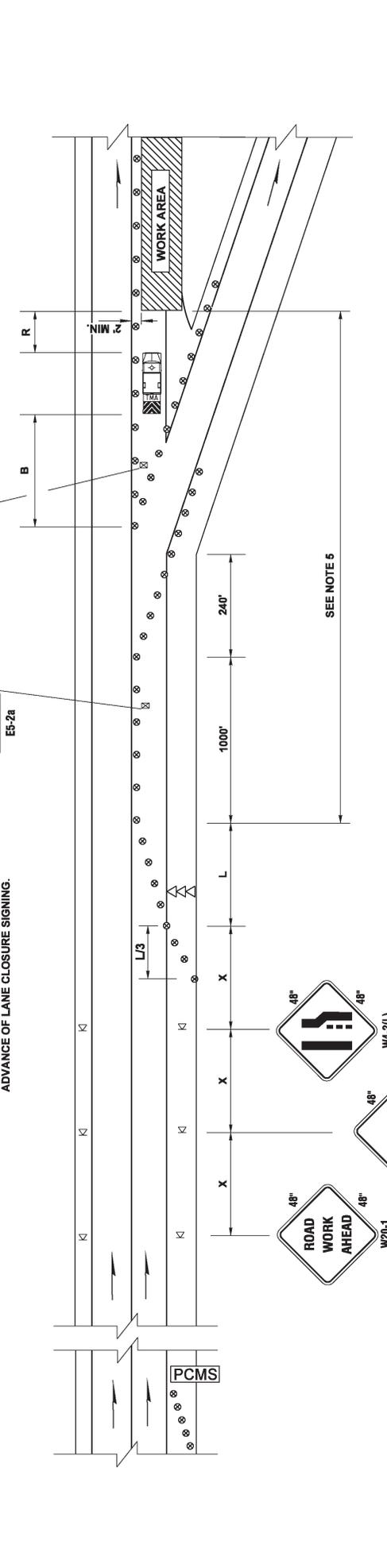
  

BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
30 FEET MIN. TO 100 FEET MAX.										



PCMS	
1	2
RIGHT LANE CLOSURE 1 MILE AHEAD	
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



- NOTES:
- NO FLAGGERS OR SPOTTERS.
  - USE A DOWNSTREAM TAPER TO END THE LANE CLOSURE WITH 20' DEVICE SPACING.
  - DEVICES SHALL NOT ENCR OACH INTO ADJACENT LANES.
  - USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000'± (RECOMMENDED).
  - SEE SHEET TCXX FOR A SHORT TERM OFF-RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
  - ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
  - SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.

## TEMPORARY OFF-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

**LEGEND**

- KI TEMPORARY SIGN LOCATION
- ⊗ TRAFFIC SAFETY DRUM
- ▷▷▷ SEQUENTIAL ARROW SIGN
- ⊞ TRANSPORTABLE ATTENUATOR
- ⊞ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊞ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

**Washington State Department of Transportation**

TRAFFIC CONTROL PLAN

FILE NAME	S:\Design & P&S\4-Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-7.dgn
TIME	11:03:57 AM
DATE	6/17/2013
DESIGNED BY	CyfordL
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

REVISION	DATE	BY	LOCATION NO.	CONTRACT NO.	JOB NUMBER	STATE	FED.AID PROJ.NO.
						10	WASH

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	360	425	495	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										
30 FEET MIN. MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

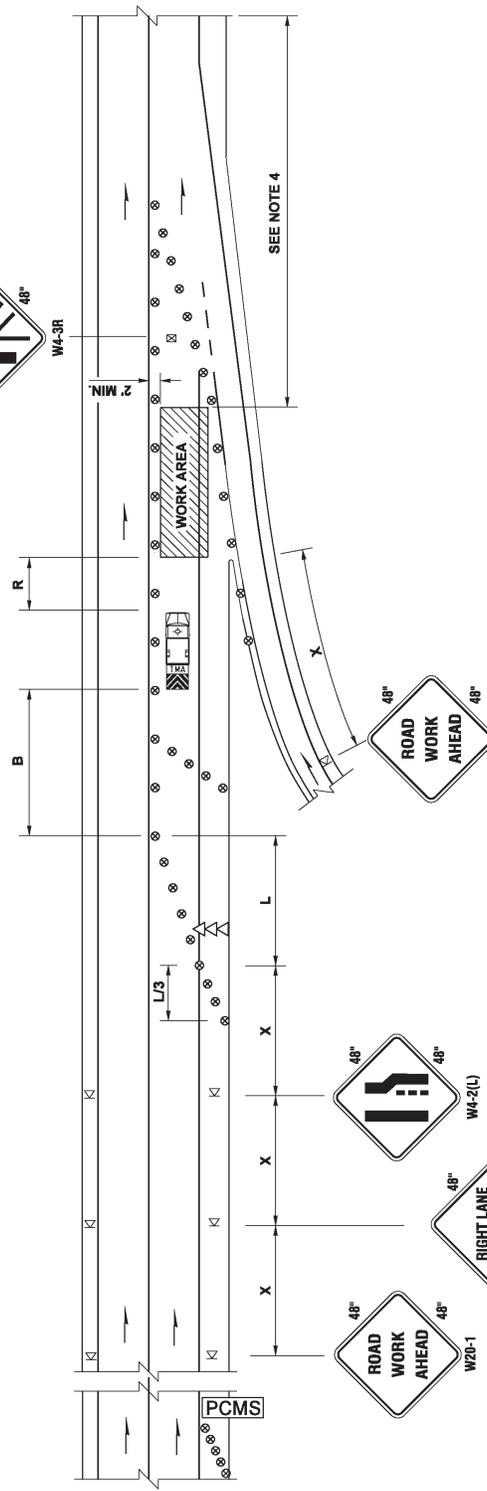
SIGN SPACING = X (1)		
FREeways & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	10	25	30	35	40	45	50	55	60	65
11	-	-	-	-	450	500	550	600	660	-
12	-	-	-	-	485	550	605	660	720	780

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	8'	25	30	35	40	45	50	55	60	65
10'	40	60	90	120	130	150	160	170	190	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

**LEGEND**

- NO FLAGGERS OR SPOTTERS.
- DEVICES SHALL NOT ENROACH INTO ADJACENT LANES.
- USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000'± (RECOMMENDED).
- SEE SHEET TCXX FOR A SHORT TERM ON-RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
- ALL SIGNS ARE BLACK ON ORANGE.
- SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.

**TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS**

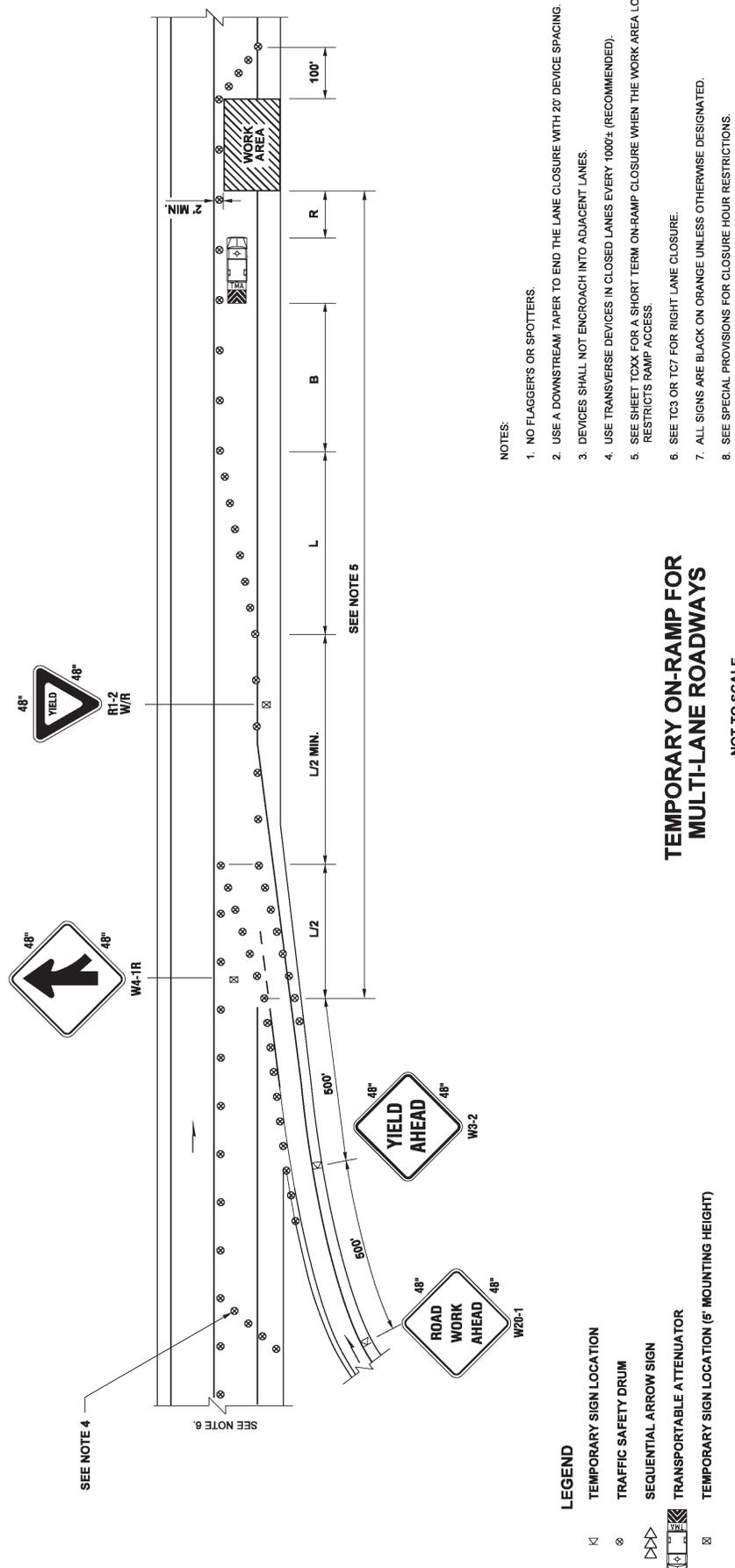
NOT TO SCALE

FILE NAME	S:\Design & P&S\4-Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-RTC-8.dgn		
TIME	11:05:48 AM	REGION NO.	10
DATE	5/17/2013	STATE	WASH
DESIGNED BY	CyfordL	JOB NUMBER	
ENTERED BY		CONTRACT NO.	
CHECKED BY		LOCATION NO.	
PROJ. ENGR.		DATE	BY
REGIONAL ADM.		REVISION	
Washington State Department of Transportation		TRAFFIC CONTROL PLAN	
Plot 1		TC8	
SHEET OF		SHEETS	

MINIMUM TAPER LENGTH = L (feet)		Posted Speed (mph)									
LANE WIDTH (feet)		25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	450	500	550	-	-	-
11	-	-	-	-	-	495	550	605	660	-	-
12	-	-	-	-	-	540	600	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	380	425	485	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR										
30 FEET MIN. TO 100 FEET MAX.										
MINIMUM HOST VEHICLE WEIGHT: 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										



- NOTES:
- NO FLAGGERS OR SPOTTERS.
  - USE A DOWNSTREAM TAPER TO END THE LANE CLOSURE WITH 20' DEVICE SPACING.
  - DEVICES SHALL NOT ENCR OACH INTO ADJACENT LANES.
  - USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000± (RECOMMENDED).
  - SEE SHEET TCXX FOR A SHORT TERM ON-RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
  - SEE TC3 OR TC7 FOR RIGHT LANE CLOSURE.
  - ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
  - SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.

### TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

FILE NAME	S:\Design\RP&E\Standards\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-3.dgn	REGION	STATE	FED.AID PROJ.NO.
TITLE	TC3 - On-Ramp	NO.	10	WASH
DATE	11/17/2013	JOB NUMBER		
DESIGNED BY	Cytrodl	CONTRACT NO.		LOCATION NO.
CHECKED BY				
PROJ. ENGR.				
REGIONAL ADM.				
		DATE	BY	REVISION
Washington State Department of Transportation				
TRAFFIC CONTROL PLAN				
TC9	SHEET OF SHEETS			

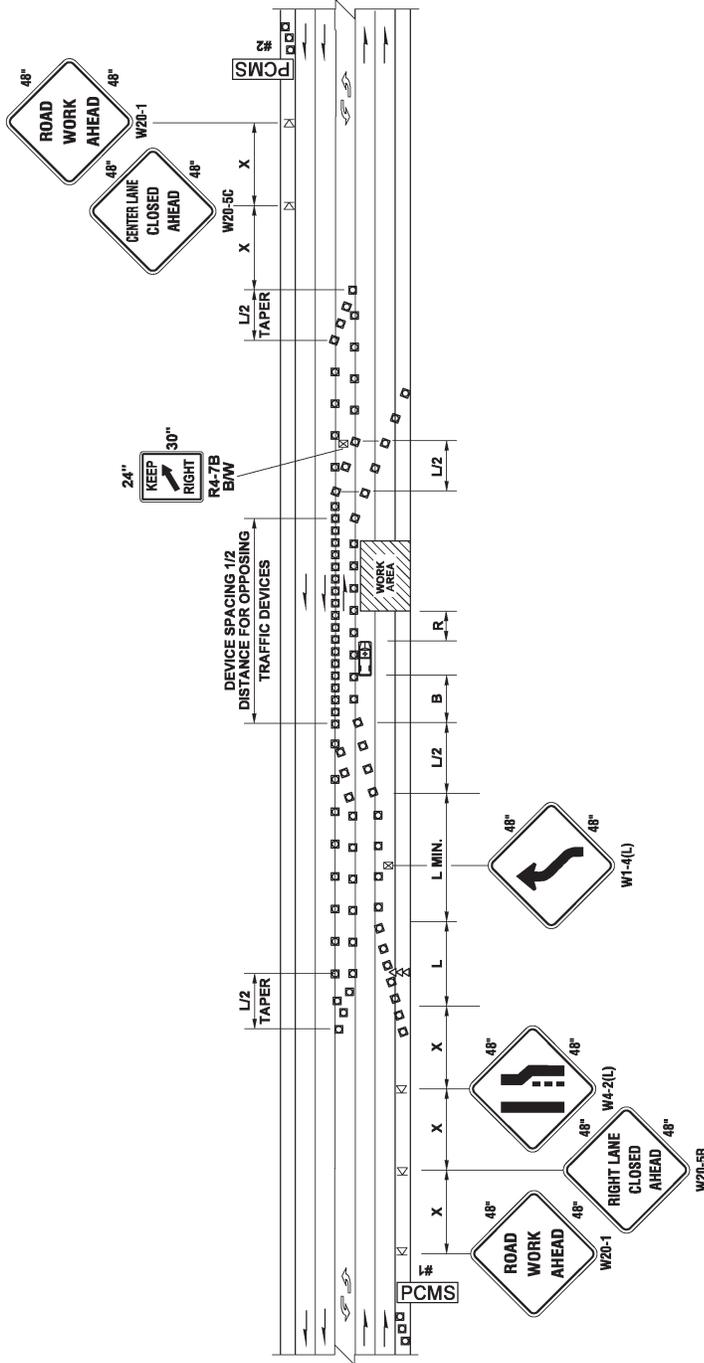
SIGN SPACING = X (1)	
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS
URBAN STREETS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)	
LANE WIDTH (feet)	Posted Speed (mph)
25	30
30	35
40	45
50	55
60	65
70	70
105	150
115	165
125	180

CHANNELIZATION DEVICE SPACING (feet)	
MPH	TAPER
50	40
35/45	30
25/30	20

BUFFER DATA						
LONGITUDINAL BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (feet)	155	200	250	305	360	425
BUFFER VEHICLE ROLL-AHEAD DISTANCE = R						
TRANSPORTABLE ATTENUATOR						
MINIMUM HOST VEHICLE WEIGHT: 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.						
30 FEET MIN. TO 100 FEET MAX.						
PROTECTIVE VEHICLE						
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.						
NO SPECIFIED DISTANCE REQUIRED						



- LEGEND**
- ⊗ TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - ▷ SEQUENTIAL ARROW SIGN
  - ▢ PROTECTIVE VEHICLE
  - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
  - ⊗ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

- NOTES:
- NO FLAGGERS OR SPOTTERS.
  - RECOMMEND EXTENDING DEVICE TAPER (L/2) ACROSS SHOULDER.
  - FOR POSTED SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
  - ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
  - SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

PCMS #1		PCMS #2	
1	RIGHT LANE CLOSURE	1	CENTER LANE CLOSED
2	1 MILE AHEAD	2	NO LEFT TURNING
2.0 SEC		2.0 SEC	

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

## RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY

NOT TO SCALE

FILE NAME: S:\Design & PA\S14-Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-10TC-10.dgn		REGION NO. 10	STATE WASH	FED. AID PROJ. NO.	DATE
TIME: 11:17:05 AM	DATE: 5/17/2013	JOB NUMBER	CONTRACT NO.	LOCATION NO.	P.E. STAMP BOX
DESIGNED BY: CyfordL	ENTERED BY:	DATE	BY	REVISION	DATE
CHECKED BY:	PROJ. ENGR.	REGIONAL ADM.	REVISION	DATE	DATE
Washington State Department of Transportation			TRAFFIC CONTROL PLAN		
Plot 1			TC-10		
SHEET OF			SHEETS		

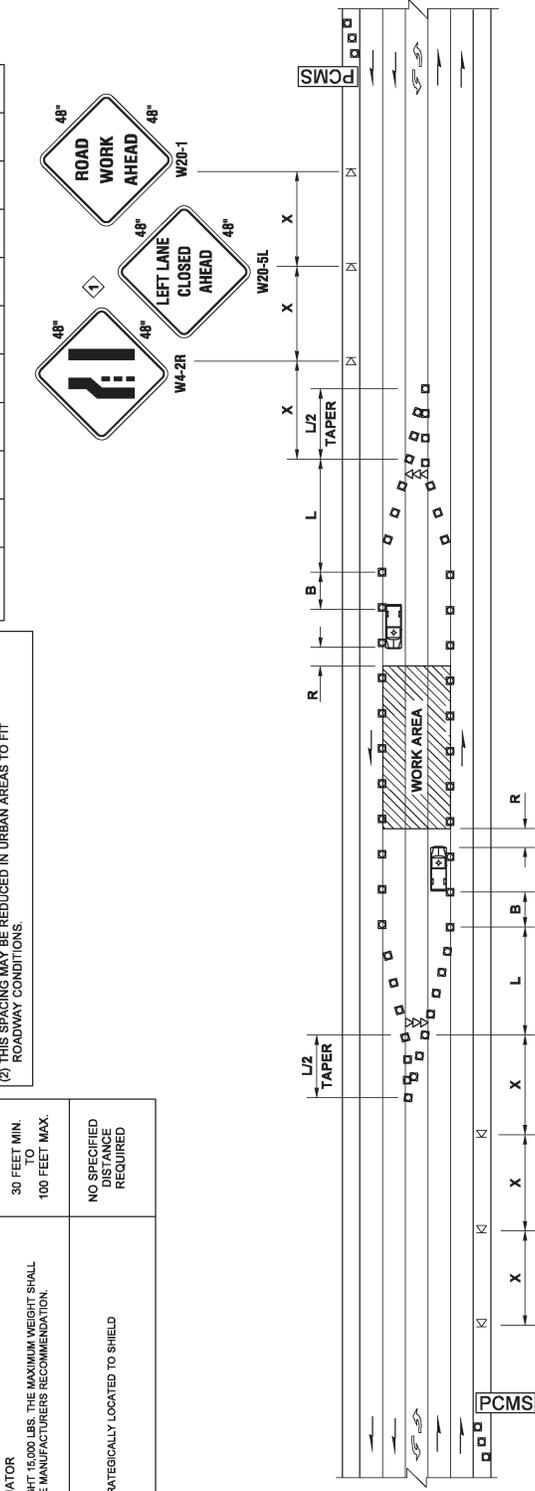
BUFFER DATA	
LONGITUDINAL BUFFER SPACE = B	
SPEED (MPH)	25 30 35 40 45 50 55 60 65 70
LENGTH (feet)	155 200 250 305 360 425 - - -
BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.	
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA	NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X (1)	
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS & BUSINESS DISTRICTS	25 / 30 MPH
URBAN STREETS	25 MPH OR LESS

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS AT GRADE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)	
LANE WIDTH (feet)	Posted Speed (mph)
	25 30 35 40 45 50 55 60 65 70
10	105 150 205 270 450 500 - - -
11	115 165 225 295 495 550 - - -
12	125 180 245 320 540 600 - - -

CHANNELIZATION DEVICE SPACING (feet)	
MPH	TANGENT
50	40
35/45	30
25/30	20
	40



PCMS	
1	2
CENTER LANE CLOSED	NO LEFT TURNING
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

- LEGEND**
- KI TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - ▷▷ SEQUENTIAL ARROW SIGN
  - ▣ PROTECTIVE VEHICLE
  - ▣ PORTABLE CHANGEABLE MESSAGE SIGN

**NOTES:**

1. NO FLAGGERS OR SPOTTERS.
2. ALL SIGNS ARE BLACK ON ORANGE.
3. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY**

NOT TO SCALE

FILE NAME	S:\Design\RP\Sign\Standard\3-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-111TC-11.dgn
TITLE	10-Work Zone
DATE	5/17/2013
DESIGNED BY	Cyril
ENTERED BY	
CHECKED BY	
PROJ ENGR	
REGIONAL ADM	
REVISION	DATE BY
FED.AID PROJ.NO.	REGION NO. STATE
	10 WASH
	JOB NUMBER
	CONTRACT NO.
	LOCATION NO.



TRAFFIC CONTROL PLAN

TC-11  
BRIEF OF SHEETS

**BUFFER DATA**

LONGITUDINAL BUFFER SPACE = B	
SPEED (MPH)	25 30 35 40 45 50 55 60 65 70
LENGTH (feet)	155 200 250 305 360 425 495 570 645 -

**BUFFER VEHICLE ROLL AHEAD DISTANCE = R**

TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	

PROTECTIVE VEHICLE  
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.

**SIGN SPACING = X (1)**

RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**MINIMUM TAPER LENGTH = L (feet)**

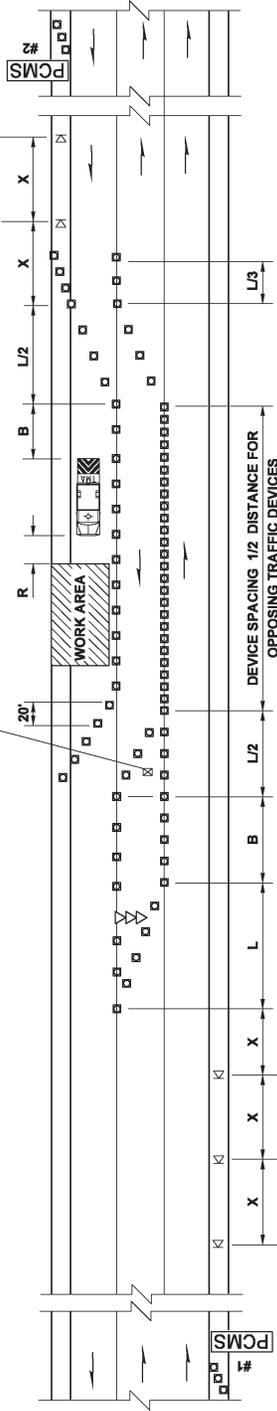
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	605	660	-
11	115	165	225	295	495	550	605	660	720	780
12	125	180	245	320	540	600	660	720	780	-

**CHANNELIZATION DEVICE SPACING (feet)**

MPH	TAPER	TANGENT
50/60	40	80
35/45	30	60
25/30	20	40

PCMS #1		PCMS #2	
1	2	1	2
LEFT LANE CLOSURE	2.0 SEC	LANE SHIFTS LEFT	2.0 SEC
		1 MILE AHEAD	

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.



FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

**NOTES:**

1. NO FLAGGERS OR SPOTTERS.
2. FOR SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
3. RECOMMENDED EXTENDING DEVICE TAPER (L/2) ACROSS SHOULDER.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

**LANE SHIFT - THREE LANE ROADWAY**

NOT TO SCALE

FILE NAME	S:\Design & P&E\Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-121TC-12.dgn		
TIME	11:35:41 AM	REGION NO.	10
DATE	6/17/2013	STATE	WASH
DESIGNED BY	Cy/ordl	FED.AID PROJ.NO.	
ENTERED BY		JOB NUMBER	
CHECKED BY		CONTRACT NO.	
PROJ. ENGR.		LOCATION NO.	
REGIONAL ADM.		DATE	BY
		REVISION	

Plot 1	Washington State Department of Transportation	TRAFFIC CONTROL PLAN
TC12		
SHEET OF SHEETS		

SIGN SPACING = X (1)		
FREeways & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE 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
30	35
35	40
40	45
45	50
50	55
60	60
65	65
70	70
80	80
90	90
100	100
120	120
130	130
150	150
160	160
170	170
180	180
190	190
200	200
220	220
240	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'

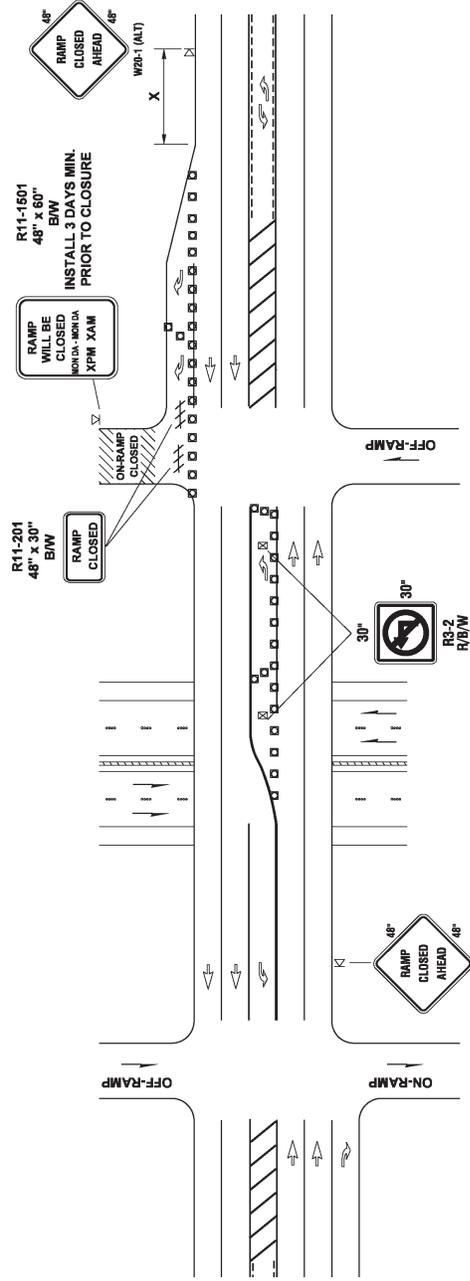
CHANNELIZATION DEVICE SPACING (feet)	
MPH	TANGENT
50/70	40
35/45	30
25/30	20

PCMS	
1	2
EXIT XXX	USE
CLOSED	EXIT XXX
2.0 SEC	2.0 SEC

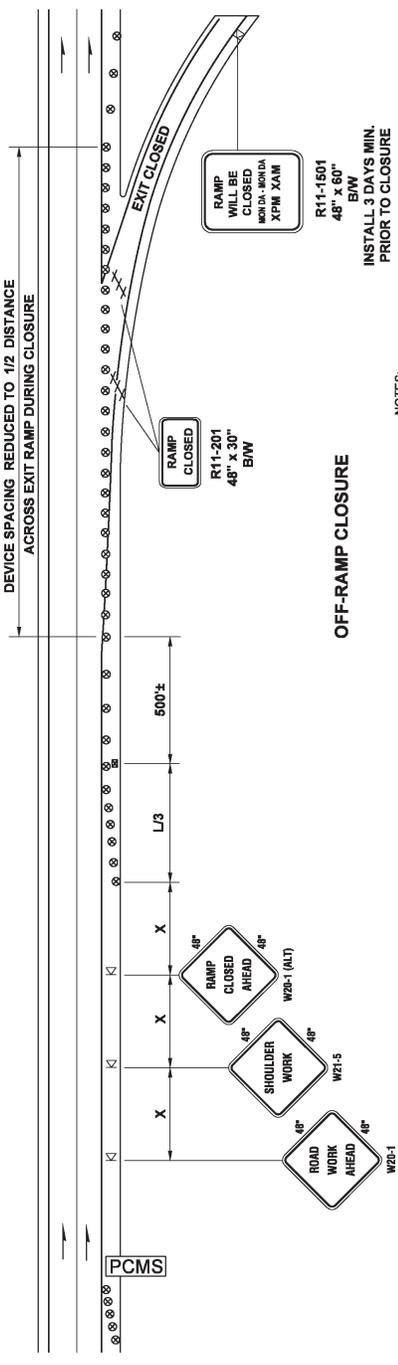
FIELD LOCATE

**LEGEND**

- TYPE 3 BARRICADE
- ⊠ TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- ⊙ TRAFFIC SAFTY DRUM
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ⊗ TEMPORARY SIGN LOCATION (6' MOUNTING HEIGHT)



**TYPICAL ON-RAMP CLOSURE**



**NOTES:**

1. NO FLAGGERS OR SPOTTERS.
2. TYPICAL APPLICATION SHOWN. ADJUST FOR SITE CONDITIONS.
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
4. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.

**SHORT TERM RAMP CLOSURES**

NOT TO SCALE

FILE NAME	S:\Design\RP\8-Standard\32-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-31TC-13.dgn
TITLE	31TC-13 PLAN
DATE	11/17/2013
DESIGNED BY	Cyrrill
ENTERED BY	
CHECKED BY	
PROJ. ENGR	
REGIONAL ADM.	
DATE	BY
REVISION	
REGION NO.	
CONTRACT NO.	
JOB NUMBER	
LOCATION NO.	
FED. AID PROJ. NO.	
REGION	STATE
10	WASH



**TRAFFIC CONTROL PLAN**

TC13  
 SHEET  
 OF  
 SHEETS

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	115	150	205	270	450	500	550	-	-	-
11	115	165	225	295	485	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**SIGN SPACING = X (1)**

RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP'S, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**CHANNELIZATION DEVICE SPACING (feet)**

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

**LONGITUDINAL BUFFER SPACE = B**

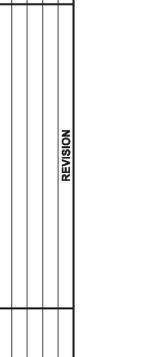
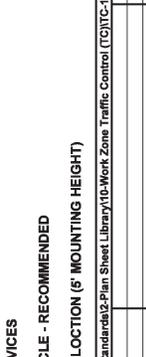
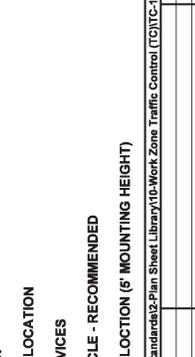
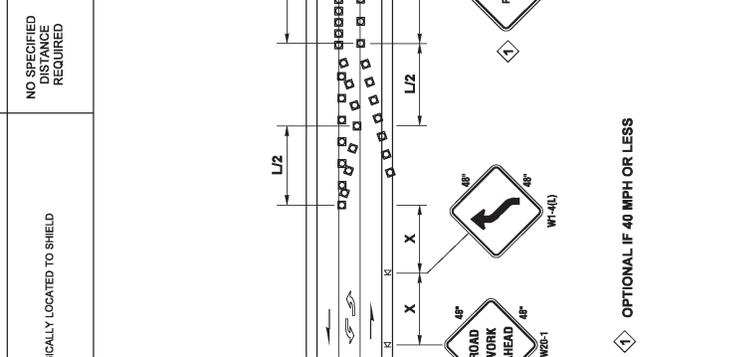
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	485	570	645	-

**BUFFER VEHICLE ROLL AHEAD DISTANCE = R**

TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM POST VEHICLE WEIGHT: 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	
PROTECTIVE VEHICLE	NO SPECIFIED DISTANCE REQUIRED
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	

**CHANNELIZATION DEVICE SPACING (feet)**

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



- LEGEND**
- ▲ FLAGGING STATION
  - Ⓚ TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - ▣ PROTECTIVE VEHICLE - RECOMMENDED
  - ⊗ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)
- OPTIONAL IF 40 MPH OR LESS

**NOT TO SCALE**

**INTERSECTION LANE CLOSURE ~ THREE LANE ROADWAY**

**NOTES:**

- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC.
- FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

**WASHINGTON STATE DEPARTMENT OF TRANSPORTATION**

PROJECT NO. \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION NO. \_\_\_\_\_ DATE \_\_\_\_\_

REVISION \_\_\_\_\_

CHANNELIZATION DEVICE SPACING (feet)	
MPH	TANGENT
50/70	40
35/45	30
25/30	20

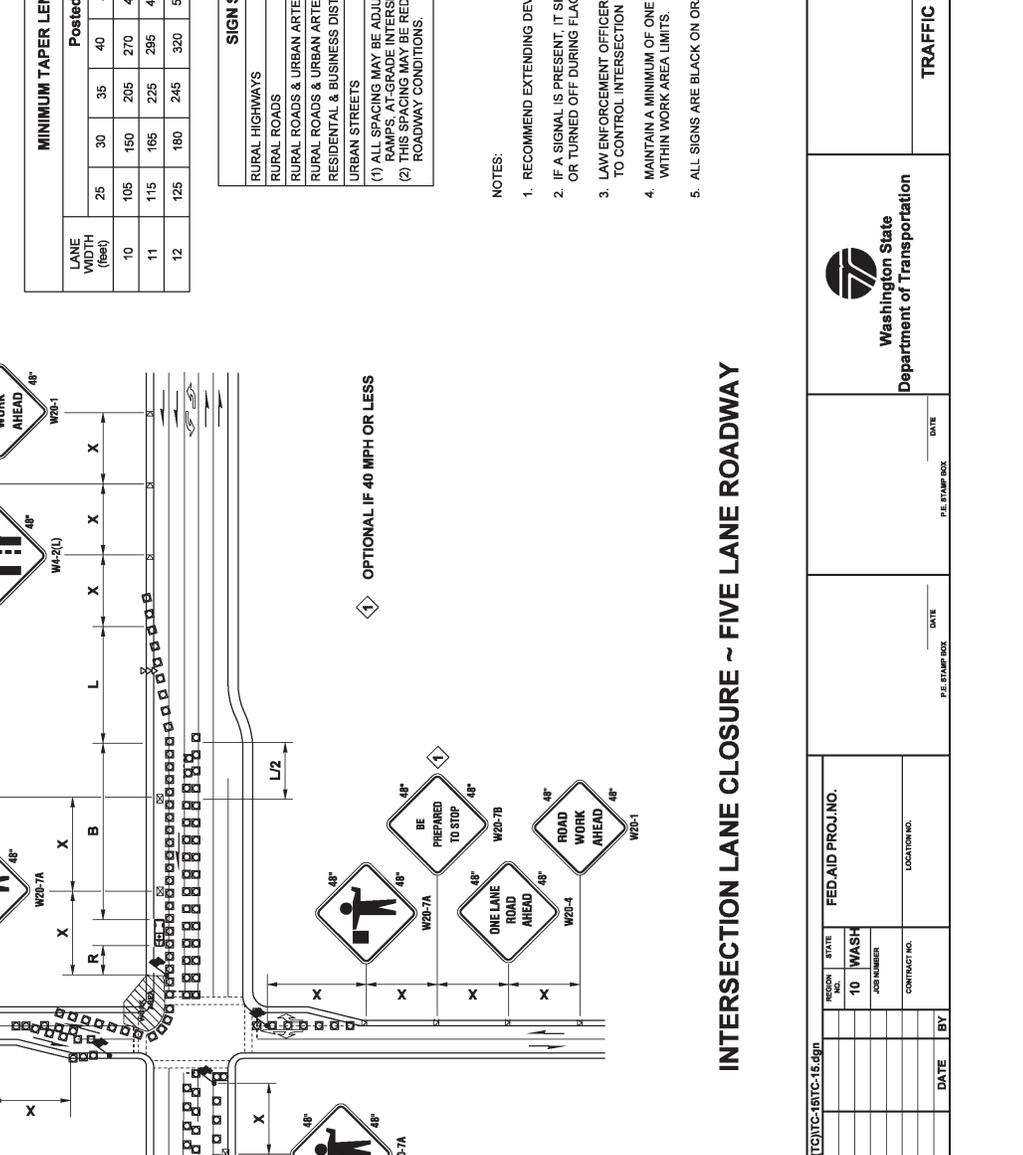
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	-
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.										
30 FEET MIN. TO 100 FEET MAX.										
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.										
NO SPECIFIED DISTANCE REQUIRED										

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	465	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

SIGN SPACING = X (1)	
RURAL HIGHWAYS	60 / 65 MPH
RURAL ROADS	45 / 55 MPH
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS
URBAN STREETS	25 MPH OR LESS

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP DIRECTIONS AND DRIVEWAYS.  
(2) SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

NOTES:  
1. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.  
2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.  
3. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC.  
4. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.  
5. ALL SIGNS ARE BLACK ON ORANGE.



OPTIONAL IF 40 MPH OR LESS

LEGEND  
 FLAGGING STATION  
 TEMPORARY SIGN LOCATION  
 CHANNELIZING DEVICES  
 SEQUENTIAL-ARROW SIGN  
 PROTECTIVE VEHICLE - RECOMMENDED  
 TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

FILE NAME	S:\Design & P&S\Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-161TC-15.dgn
TIME	11:41:27 AM
DATE	5/17/2013
DESIGNED BY	CyfordL
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

REVISION	DATE	BY

FED.AID PROJ.NO.	
CONTRACT NO.	
LOCATION NO.	

REGION	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		
LOCATION NO.		

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

DATE	BY

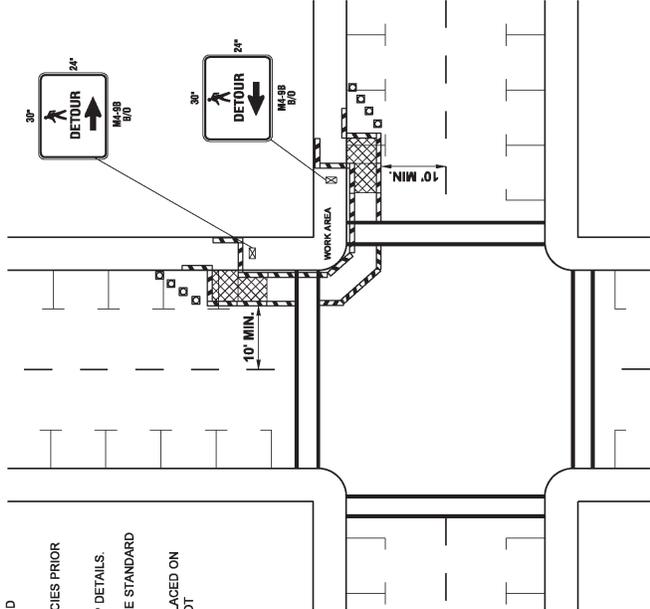
**NO PARKING**  
**RW**  
 24" x 30" R/W

**R8-3**  
 24" x 30" R/W

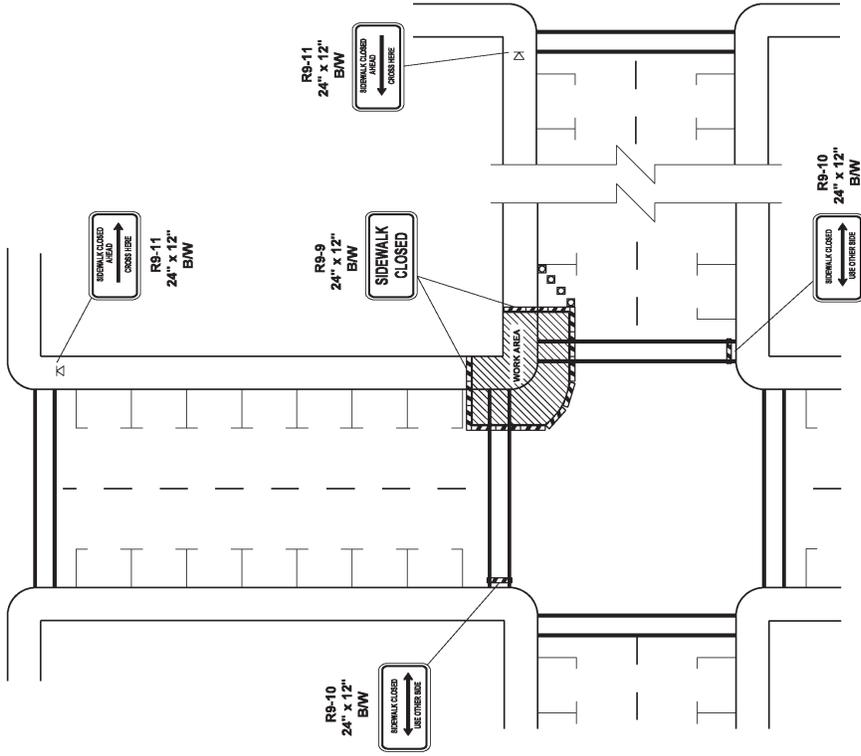
**INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA 24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL. PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.**

**NOTES:**

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
4. SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED. SEE STANDARD SPECIFICATION 1-10.2(1)B.
6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.



**SIDEWALK DIVERSION**



**SIDEWALK DETOUR**

**LEGEND**

- ⊠ TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- ▨ PEDESTRIAN CHANNELIZING DEVICES
- TEMPORARY PEDESTRIAN RAMP FOR SIDEWALKS

**INTERSECTION PEDESTRIAN TRAFFIC CONTROL**

NOT TO SCALE

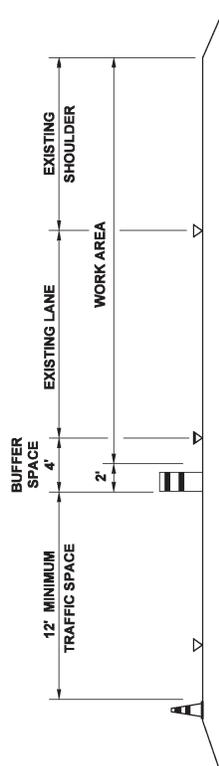
FILE NAME	S:\Design\RP\PE-Std\std\std32-Plan_Sheet_Library\10-Work_Zone_Traffic_Control_(TC)TC-61TC-61.dgn
TITLE	10-Work_Zone
DATE	04/17/2013
DESIGNED BY	Cyrrill
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	DATE BY
REASON	
CONTRACT NO.	
JOB NUMBER	
LOCATION NO.	
FED. AID PROJ. NO.	
REGION NO.	
STATE	
10 WASH	



BUFFER DATA	
LONGITUDINAL BUFFER SPACE = B	
SPEED (MPH)	25 30 35 40 45 50 55 60 65 70
LENGTH (feet)	155 200 250 305 360 425 485 570 645 730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	

SIGN SPACING = X (1)	
FREWAYS & EXPRESSWAYS	55 / 70 MPH 1500' ±
RURAL HIGHWAYS	60 / 65 MPH 800' ±
RURAL ROADS	45 / 55 MPH 500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH 350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH 200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS 100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



TYPICAL SECTION A-A

LANE WIDTH (feet)	MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
10	25	30	35	40	45	50	55	60	65	70
11	105	150	205	270	450	500	550	-	-	-
12	115	165	225	295	485	550	605	660	720	780

SHOULDER WIDTH (feet)	MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)									
	Posted Speed (mph)									
8'	25	30	35	40	45	50	55	60	65	70
10'	40	40	60	90	120	130	150	160	170	190
	40	60	90	90	150	170	190	200	220	240

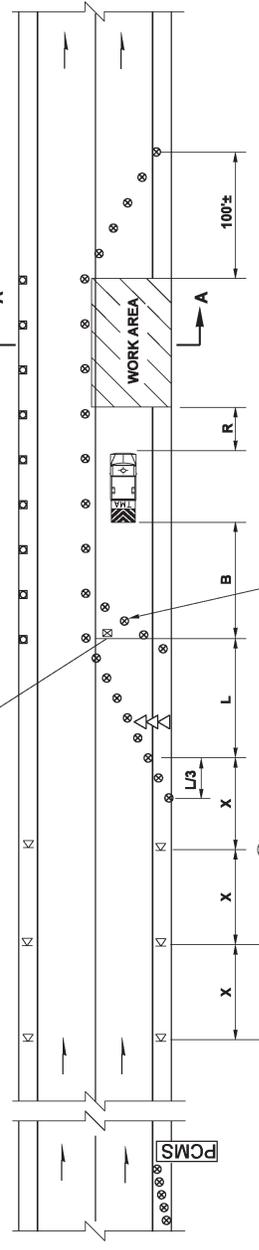
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'

CHANNELIZATION DEVICE SPACING (feet)	
MPH	TAPER TANGENT
50/70	40 80
35/45	30 60
25/30	20 40

PCMS	
1	2
RIGHT LANE CLOSED AHEAD	1 MILE AHEAD
2.0 SEC	2.0 SEC

- LEGEND**
- ⊗ TEMPORARY SIGN LOCATION
  - ⊠ CHANNELIZING DEVICES
  - ⊙ TRAFFIC SAFETY DRUM
  - ▷ SEQUENTIAL ARROW SIGN
  - ⊠ TRANSPORTABLE ATTENUATOR
  - ⊠ PORTABLE CHANGEABLE MESSAGE SIGN
  - ⊠ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



SEE NOTE 3

**NOTES**

1. NO FLAGGERS OR SPOTTERS.
2. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' ± (RECOMMENDED).
4. ALL SIGNS ARE BLACK ON ORANGE.
5. RECOMMEND ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
6. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

# SINGLE-LANE CLOSURE WITH SHIFT

NOT TO SCALE

FILE NAME	S:\Design & P&S\Standard\2-Plan Sheet Library\10-Work Zone Traffic Control (TC)\TC-171TC-17.dgn
TIME	11:46:41 AM
DATE	6/17/2013
DESIGNED BY	CyfordL
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	
DATE	BY
REVISION	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
P.E. STAMP BOX	DATE	P.E. STAMP BOX
<b>Washington State</b> Department of Transportation		
<b>TRAFFIC CONTROL PLAN</b>		
Plot 1	TC17	SHEET OF SHEETS



# HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016  
Project End Date: September 15, 2021

Permit Number: 2016-6-489+01  
FPA/Public Notice Number: N/A  
Application ID: 8635

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
Kitsap County Public Works ATTENTION: Tony Carroll 614 Division St, Ms 26 Port Orchard, WA 98366-4614	

**Project Name:** Panther Lake Road W. Culvert Replacement

**Project Description:** The existing 36 inch CMP culvert will be replaced with a 12' span, 6' rise, three-sided concrete structure. The new structure will enhance fish passage under the roadway at Panther Lake Road W and alleviate downstream scour from the undersized culvert. Streambed material will be placed to match the average channel slope upstream and downstream of the existing culvert. Following construction, exposed slopes will be seeded and replanted with native vegetation.

## PROVISIONS

### TIMING - PLANS - INVASIVE SPECIES CONTROL

- 1. TIMING LIMITATION:** For the protection of fish life, work waterward of the ordinary high water line is authorized from July 16th through October 15th of any calendar year for the life of this permit.
- 2. APPROVED PLANS:** You must accomplish the work per plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, entitled "County Road Project No. 3671, Panther Lake Road Culvert Replacement," dated September 14, 2016, except as modified by this Hydraulic Project Approval. You must have a copy of these plans available on site during all phases of the project construction.
- 3. INVASIVE SPECIES CONTROL:** Thoroughly clean all equipment and gear before arriving and leaving the job site to prevent the transport and introduction of aquatic invasive species. Properly dispose of any water and chemicals used to clean gear and equipment. You can find additional information in the Washington Department of Fish and Wildlife's Invasive Species Management Protocols (November 2012), available online at <http://wdfw.wa.gov/publications/01490/wdfw01490.pdf>.

### NOTIFICATION REQUIREMENTS

- 4. PRE-, DURING, AND POST-CONSTRUCTION NOTIFICATION:** You, your agent, or contractor must contact the Washington Department of Fish and Wildlife by e-mail at [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov); mail to Post Office Box 43234, Olympia, Washington 98504-3234; or fax to (360) 902-2946 at least three business days before starting work, one day before removing the temporary bypass and again within seven days after completing the work. The notification must include the permittee's name, project location, starting date for work or date the work was completed, and the permit number. The Washington Department of Fish and Wildlife may conduct inspections during and after construction; however, the Washington Department of Fish and Wildlife will notify you or your agent before conducting the inspection.
- 5. PHOTOGRAPHS:** You, your agent, or contractor must take photographs of the job site before the work begins and after the work is completed. You must upload the photographs to the post-permit requirement page in the Aquatic Protection Permitting System (APPS) or mail them to Washington Department of Fish and Wildlife at Post Office Box 43234, Olympia, Washington 98504-3234 within 30-days after the work is completed.



## HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016

Permit Number: 2016-6-489+01

Project End Date: September 15, 2021

FPA/Public Notice Number: N/A

Application ID: 8635

---

6. FISH KILL/ WATER QUALITY PROBLEM NOTIFICATION: If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.

### STAGING, JOB SITE ACCESS, AND EQUIPMENT

7. Establish staging areas (used for equipment storage, vehicle storage, fueling, servicing, and hazardous material storage) in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.
8. Station equipment and access the site from the existing roadway.
9. Access the creek bed at a location that prevents erosion and sediment delivery to waters of the state. Minimize access points and stream crossings to minimize impacts to the bed and banks.
10. Clearly mark boundaries to establish the limit of work associated with site access and construction.
11. Limit the removal of native bankline vegetation to the minimum amount needed to construct the project.
12. Retain all natural habitat features on the bed or banks including large woody material and boulders. You may move these natural habitat features during construction but you must place them near the preproject location before leaving the job site.
13. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.
14. Use environmentally acceptable lubricants composed of biodegradable base oils such as vegetable oils, synthetic esters, and polyalkylene glycols in equipment operated in or near the water.

### CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

15. Work in the dry watercourse (when no natural flow is occurring in the channel, or when flow is diverted around the job site).
16. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.
17. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.
18. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.
19. Stop all hydraulic project activities except those needed to control erosion and siltation, if flow conditions arise that will result in erosion or siltation of waters of the state.
20. Prevent project contaminants, such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials, from entering or leaching into waters of the state.
21. Route construction water (wastewater) from the project to an upland area above the limits of anticipated floodwater. Remove fine sediment and other contaminants before discharging the construction water to waters of the state.
22. Deposit waste material from the project, such as construction debris, silt, excess dirt, or overburden, in an upland area above the limits of anticipated floodwater unless the material is approved by the Washington Department of Fish and Wildlife for reuse in the project.
23. Deposit all trash from the project at an appropriate upland disposal location.

### CONSTRUCTION MATERIALS



## HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016

Permit Number: 2016-6-489+01

Project End Date: September 15, 2021

FPA/Public Notice Number: N/A

Application ID: 8635

24. Store all construction and deconstruction material in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh cement, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.

25. Do not stockpile construction material waterward of the ordinary high water line.

26. Use only clean, suitable material as fill material (no trash, debris, car bodies, tires, asphalt, concrete, etc.).

### IN-WATER WORK AREA ISOLATION USING BLOCK NETS

27. Isolate fish from the work area by using block nets.

28. Block net openings must not exceed 0.1 inches.

29. Install block nets at sites with reduced flow volume or velocity, uniform depth, and good accessibility.

30. Do not install block nets at sites with heavy vegetation, large cobble or boulders, undercut banks, or deep pools unless you can secure and maintain them.

31. Install block nets at an angle to the direction of flow (not perpendicular to the flow) to avoid entrapping fish in the nets.

32. After the first block net is secured at the upstream end, use a second block net to herd fish downstream and out of the project area.

33. Install a downstream block net if fish may reenter the work area from downstream.

34. To anchor block nets, place bags filled with clean round gravel along the bottom of the nets.

35. Secure block nets along both banks and the channel bottom to prevent failure from debris accumulation, high flows, and/or flanking.

36. To keep fish out of the job site, leave block nets in place until the work is complete and conditions are suitable for fish.

37. Check block nets at least three times a day for entangled fish and accumulated debris.

### IN-WATER WORK AREA ISOLATION USING A TEMPORARY BYPASS

38. Isolate fish from the work area by using either a total or partial bypass to reroute the stream through a temporary channel or pipe.

39. Sequence the work to minimize the duration of dewatering.

40. Use the least-impacting feasible method to temporarily bypass water from the work area. Consider the physical characteristics of the site and the anticipated volume of water flowing through the work area.

41. The hydraulic capacity of the stream bypass must be equal to or greater than the peak flow event expected when the bypass will be operated.

42. Design the temporary bypass to minimize the length of the dewatered stream channel.

43. During all phases of bypass installation and decommissioning, maintain flows downstream of the project site to ensure survival of all downstream fish.

44. Install a cofferdam or similar device at the upstream and downstream end of the bypass to prevent backwater from entering the work area.

45. Return diverted water to the channel immediately downstream of the work area. Dissipate flow energy from the diversion to prevent scour or erosion of the channel and bank.

46. If the diversion inlet is a gravity diversion that provides fish passage, place the diversion outlet where it facilitates gradual and safe reentry of fish into the stream channel.

47. If the bypass is a pumped diversion, once started it must run continuously until it is no longer necessary to bypass



# HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016

Permit Number: 2016-6-489+01

Project End Date: September 15, 2021

FPA/Public Notice Number: N/A

Application ID: 8635

flows. This requires back-up pumps on-site and twenty-four-hour monitoring for overnight operation.

48. If the diversion inlet is a pump diversion in a fish-bearing stream, the pump intake structure must have a fish screen installed, operated, and maintained in accordance with RCW 77.57.010 and 77.57.070. Screen the pump intake with one of the following:

- a) Perforated plate: 0.094 inch (maximum opening diameter);
- b) Profile bar: 0.069 inch (maximum width opening); or
- c) Woven wire: 0.087 inch (maximum opening in the narrow direction).

The minimum open area for all types of fish screens is twenty-seven percent. The screened intake facility must have enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. Maintain fish screens to prevent injury or entrapment of fish.

49. The fish screen must remain in place whenever water is withdrawn from the stream through the pump intake.

50. Remove fish screens on dewatering pumps in the isolated work area only after all fish are safe and excluded from the work area.

51. Isolate pump hose intakes with block nets so that fish cannot get near the intake.

## FISH LIFE REMOVAL

52. All persons participating in capture and removal must have training, knowledge, and skills in the safe handling of fish life.

53. If electrofishing is conducted, a person with electrofishing training must be on-site to conduct or direct all electrofishing activities.

54. If personnel are available, the Washington Department of Fish and Wildlife and affected tribes may help capture and move fish life from the job site.

55. Place block nets upstream and downstream of the in-water work area before capturing and removing fish life.

56. Capture and safely move fish life from the work area to the nearest suitable free-flowing water.

## CULVERT

57. Install and maintain the culvert to ensure unimpeded fish passage.

58. Establish the culvert invert elevation with reference point(s) or benchmark(s) created before to starting work on this project. Clearly mark and preserve the reference point(s) for post-project compliance. Before backfilling, confirm the invert elevation, as stated on the plans, relative to the reference points with at least a construction-grade leveling device (such as an optical auto-level or laser level).

59. The authorized culvert is a stream simulation design. Construct the culvert in accordance with the approved plans, except as modified by this HPA.

60. The length of the culvert must not exceed 48 feet.

61. The streambed must include a sinuous low-flow channel expected under common conditions in the reach and a high-flow bench on both sides of the culvert.

62. Approach material must be structurally stable and composed of material that if eroded into the water will not harm fish life.

63. The owner(s) must maintain the culvert to ensure it provides continued, unimpeded fish passage. If the culvert becomes a hindrance to fish passage, the owner must obtain an Hydraulic Project Approval and provide prompt repair.

## DEMOBILIZATION AND CLEANUP

64. Do not relocate removed or replaced structures within waters of the state. Remove and dispose of these structures in an upland area above the limits of anticipated floodwater.

65. Upon completion of the project, restore the disturbed bed, banks, and riparian zone to preproject condition to the



# HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016  
Project End Date: September 15, 2021

Permit Number: 2016-6-489+01  
FPA/Public Notice Number: N/A  
Application ID: 8635

extent possible.

- 66. Completely remove any temporary fill before the end of the in-water timing window if the fill material could erode and deliver sediment-laden water into waters of the state.
- 67. To prevent fish from stranding, backfill trenches, depressions, and holes in the bed that may entrain fish during high water or wave action.
- 68. To minimize sediment delivery to the stream or stream channel, do not return in-stream flows to the work area until all in-channel work is completed and the bed and banks are stabilized.
- 69. Seed areas disturbed by construction activities with a native seed mix suitable for the site that has at least one quick-establishing plant species.
- 70. Replace native riparian zone vegetation damaged or destroyed by construction at the following ratios: replace trees at a 5:1 ratio, and replace shrubs at a 3:1 ratio. Plant trees 10 feet on center, and shrubs five feet on center.
- 71. Complete replanting of riparian vegetation during the first dormant season (late fall through late winter) after project completion per the approved plan. Maintain plantings for at least three years to ensure at least eighty percent of the plantings survive. Failure to achieve the eighty percent survival in year three will require you to submit a plan with follow-up measures to achieve requirements or reasons to modify requirements.
- 72. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils and waste materials in an upland area above the limits of anticipated floodwater.
- 73. Return water flow slowly to the in-water work area to prevent the downstream release of sediment laden water. If necessary, install silt fencing or check dams above the bypass outlet to capture sediment during re-watering of the channel.
- 74. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.

LOCATION #1:	Site Name: Panther Lake Road W. Culvert Replacement 614 Division St, Ms 26, Port Orchard, WA 98366-4614					
WORK START:	September 16, 2016			WORK END:	September 15, 2021	
<u>WRIA</u>	<u>Waterbody:</u>			<u>Tributary to:</u>		
15 - Kitsap	Panther Lake			Panther Creek		
<u>1/4 SEC:</u>	<u>Section:</u>	<u>Township:</u>	<u>Range:</u>	<u>Latitude:</u>	<u>Longitude:</u>	<u>County:</u>
SE 1/4	31	24 N	01 W	47.527600	-122.852236	Kitsap
<u>Location #1 Driving Directions</u>						
4514 Panther Lake Rd. W. Bremerton, WA, 98312						

**APPLY TO ALL HYDRAULIC PROJECT APPROVALS**



## HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016

Permit Number: 2016-6-489+01

Project End Date: September 15, 2021

FPA/Public Notice Number: N/A

Application ID: 8635

---

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW. Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person (s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil penalty of up to one hundred dollars per day and/or a gross misdemeanor charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this Hydraulic Project Approval is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.

**MINOR MODIFICATIONS TO THIS HPA:** You may request approval of minor modifications to the required work timing or to the plans and specifications approved in this HPA unless this is a General HPA. If this is a General HPA you must use the Major Modification process described below. Any approved minor modification will require issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics or construction of your project that does not alter the project's impact to fish life or habitat and does not require a change in the provisions of the HPA to mitigate the impacts of the modification. Minor modifications do not require you to pay additional application fees or be issued a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are seeking a minor modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234, or by email to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov). Do not include payment with your request. You should allow up to 45 days for the department to process your request.



## HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016  
Project End Date: September 15, 2021

Permit Number: 2016-6-489+01  
FPA/Public Notice Number: N/A  
Application ID: 8635

---

**MAJOR MODIFICATIONS TO THIS HPA:** You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require issuance of a new HPA. If you paid an application fee for your original HPA you must pay an additional \$150 for the major modification. If you did not pay an application fee for the original HPA, no fee is required for a change to it. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are requesting a major modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, payment if the original application was subject to an application fee, and the requestor's signature. Send your written request and payment, if applicable, by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You may email your request for a major modification to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov), but must send a check or money order for payment by surface mail. You should allow up to 45 days for the department to process your request.

### APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the department employee who issued or denied the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by department management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process. You may contact the HPA Appeals Coordinator at (360) 902-2534 for more information.

**A. INFORMAL APPEALS:** WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, 600 Capitol Way North, Olympia, Washington 98501-1091; e-mail to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov); fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee will conduct an informal hearing and recommend a decision to the Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

**B. FORMAL APPEALS:** WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule.



## HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: September 16, 2016  
Project End Date: September 15, 2021

Permit Number: 2016-6-489+01  
FPA/Public Notice Number: N/A  
Application ID: 8635

---

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, 600 Capitol Way North, Olympia, Washington 98501-1091; e-mail to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov); fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Director's or designee's written decision in response to the informal appeal.

C. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS: If there is no timely request for an appeal, the WDFW action shall be final and unappealable.

---

---

Habitat Biologist                      [Brittany.Gordon@dfw.wa.gov](mailto:Brittany.Gordon@dfw.wa.gov)  
Brittany Gordon                      360-895-4756

A handwritten signature in cursive script that reads "Brittany Gordon".

for Director  
WDFW

---



REPLY TO  
ATTENTION OF

Regulatory Branch

DEPARTMENT OF THE ARMY  
SEATTLE DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 3755  
SEATTLE, WASHINGTON 98124-3755

SEP - 6 2016

RECEIVED

SEP 09 2016

KITSAP COUNTY  
PUBLIC WORKS

Mr. Dick Dadlisman  
Kitsap County Department of Public Works  
614 Division Street, MS-26  
Port Orchard, Washington 98366

Reference: NWS-2016-0644  
Kitsap County Dept. of  
Public Works  
(Panther Lake Rd culvert  
replacement)

Dear Mr. Dadisman:

We have reviewed your application to remove an existing 36-inch culvert and replace with a three sided culvert (12-foot-wide, 6-foot-high) bottomless concrete culvert, and place up to 90 cubic yards of streambed aggregate in unnamed stream, near Bremerton, Kitsap County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 14, *Linear Transportation*, (Federal Register February 21, 2012, Vol. 77, No. 34), authorizes your proposal as depicted on the enclosed drawings dated June, 21, 2016.

In order for this authorization to be valid, you must ensure the work is performed in accordance with the enclosed *NWP 14, Terms and Conditions* and the following special conditions:

a. This U.S. Army Corps of Engineers (Corps) permit does not authorize you to take a threatened or endangered species. In order to legally take a listed species, you must have a separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or ESA Section 7 consultation Biological Opinion (BO) with non-discretionary "incidental take" provisions with which you must comply). The Regional Road Maintenance Program Limit 10 BO prepared by the National Marine Fisheries Service (NMFS) contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with the specified "incidental take" in the BO (NMFS Reference Numbers 2003-00313, 2004-00647, 2009-03290, and WCR-2014-304). Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the BO. These terms and conditions are incorporated by reference in this permit. Failure to comply with the commitments made in this document constitutes non-compliance with the

ESA and your Corps permit. The NMFS is the appropriate authority to determine compliance with the ESA.

b. Incidents where any individuals of fish species, marine mammals and/or sea turtles listed by National Oceanic and Atmospheric Administration Fisheries (NOAA Fisheries) under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this Nationwide Permit verification shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Office of the Seattle District of the U.S. Army Corps of Engineers at (206) 764-3495. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.

We have reviewed your project pursuant to the requirements of the Endangered Species Act, the Magnuson-Stevens Fishery Conservation and Management Act and the National Historic Preservation Act. We have determined this project complies with the requirements of these laws provided you comply with all of the permit general and special conditions.

We are unable to determine whether or not your project requires individual Water Quality Certification (WQC) and/or a Coastal Zone Management (CZM) consistency determination response from the Washington State Department of Ecology (Ecology). Before you may proceed with the work authorized by this NWP, you must contact Ecology regarding these requirements at: Washington Department of Ecology, Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7660; telephone: (360) 407-6068; or email: [ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov).

If more than 180 days pass from when you provide Ecology a copy of this letter and request your individual WQC and CZM consistency determination concurrence review, your requirement to obtain an individual WQC and CZM consistency determination response becomes waived. You may then proceed to construction.

We have prepared and enclosed a *Preliminary Jurisdictional Determination* (JD) dated August 3, 2016, which is a written indication that wetlands and waterways within your project area may be waters of the U.S. Such waters will be treated as jurisdictional waters of the U.S. for purposes of computation of impact area and compensatory mitigation requirements associated with your permit application. If you believe the Preliminary JD is inaccurate, you may request an Approved JD, which is an official determination regarding the presence or absence of waters of the U.S. If one is requested, please be aware that we may require the

submittal of additional information to complete an approved JD and work authorized in this letter may not occur until the approved JD has been finalized.

Our verification of this NWP authorization is valid until March 18, 2017, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2017, you will have until March 18, 2018, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. You must also obtain all local, State, and other Federal permits that apply to this project.

You are cautioned that any change in project location or plans will require that you submit a copy of the revised plans to this office and obtain our approval before you begin work. Deviating from the approved plans could result in the assessment of criminal or civil penalties. Please note that we may need to reinitiate consultation with the NMFS and/or U.S. Fish and Wildlife Service in order to authorize any work not already included in the enclosed plans.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit* form. Thank you for your cooperation during the permitting process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey form. This form and information about our program is available on our website at [www.nws.usace.army.mil](http://www.nws.usace.army.mil) select "Regulatory Branch, Permit Information" and then "Contact Us". If you have any questions, please contact me at [olivia.h.romano@usace.army.mil](mailto:olivia.h.romano@usace.army.mil) or (206) 764-6960.

Sincerely,

  
Olivia Romano, Project Manager  
Regulatory Branch

Enclosures

**THIS PAGE INTENTIONALLY LEFT BLANK**