Cowlitz County
Department of Public Works

CONTRACT DOCUMENTS
FOR

KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT
(M.P. 2.04, Road Number 40000)

SW ¼ SEC. 33, T7N, R1W

Cowlitz County Project No. 1317
C.R.P. No. 757

April 2024

COWLITZ COUNTY
Department of Public Works
1600-13th Avenue South
Kelso, Washington 98626
Phone (360) 577-3030

Cowlitz County
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4/3/24

ROGER EVAN MAURER
STATE OF WASHINGTON
34939
REGISTERED
PROFESSIONAL ENGINEER

Roger Evan Maurer

Responsible for all portions of the Contract Documents

COWLITZ COUNTY
Department of Public Works
1600-13th Avenue South
Kelso, Washington 98626
Phone (360) 577-3030

Approved by:

Susan Eugenis 4/3/24

Susan Eugenis, P.E. Date
County Engineer

TABLE OF CONTENTS
KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT

TABLE OF CONTENTS - CONTINUED

***Included as indicated but numbered independently.

CALL FOR BIDS

The Board of County Commissioners of Cowlitz County, Washington will receive sealed bids until **May 8, 2024, prior to 1:30 p.m.**, for the following work: **KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT.**

Work performed under this contract consists of the following:

Clearing and grubbing, trench excavation, temporary creek diversion, filling existing culvert with controlled density fill, installation of corrugated polyethylene storm sewer pipe, trench backfill, roadway restoration, hot mix asphalt pavement repair, riprap placement, seeding and mulching, and associated work.

At that time all bids will be publicly opened and read in the Board's hearing room. Bids must be addressed to:

Board of County Commissioners
Attn: Clerk of the Board
207 Fourth Avenue North
Kelso WA 98626

Project bid documents (Plans, specifications, addenda, bid documents, bidders list and plan holders list) for this project are available online for inspection during the bidding period through the Builders Exchange of Washington (BXWA) website at www.bxwa.com. Click on Posted Projects, then Public Works, then Cowlitz County and then Projects Bidding. These documents are available for viewing, downloading and printing on your own equipment free of charge. This service is provided to Prime Bidders, Subcontractors, and Vendors bidding on this project. Bidders will need to "Register as a Bidder" through the BXWA in order to receive automatic e-mail notification of future addenda and to be placed on the Bidders List. Bidders should contact Builder's Exchange of Washington at (425) 258-1303 for questions regarding access or registration.

It is the sole responsibility of the Bidder to obtain Addenda, if any. Addenda information will be available on the BXWA web site at www.bxwa.com. Cowlitz County accepts no responsibility or liability and will provide no accommodation to bidders who fail to check for addenda and thereby submit inadequate or incomplete responses.

Cowlitz County will not provide paper copies of the Project bid documents for this project for bidding purposes. A copy of the plans and specifications may be reviewed at the office of the Clerk of the Board of County Commissioners.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in an amount equal to five percent (5%) of the amount of such

bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to Cowlitz County.

All documents received in response to this invitation to bid will become a matter of public record and subject to the Washington public disclosure act under chapter 42.56 RCW.

Cowlitz County, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Board reserves the right to reject any and all bids and to waive any immaterial irregularities or informalities in any bid or in the bidding.

DATED this 9th day of April, 2024.

BOARD OF COUNTY COMMISSIONERS
OF COWLITZ COUNTY, WASHINGTON

_____
Richard R. Dahl, Chairman

_____
Arne Mortenson, Commissioner

_____
Dennis P. Weber, Commissioner

ATTEST:

_____
Kelly Dombrowski, Clerk of the Board

BIDDER'S CHECKLIST

(Informational only – not required to be submitted with the BID)

KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT

Name of Project

ITEMS TO BE INCLUDED WITH BID

The following checked items are required to be completed and submitted with the BID, except as noted otherwise:

Required if Checked:

☒ 1. PROPOSAL FORM – To be completed and signed by bidder. Provide all information pertaining to BIDDER'S organization on the first page. Fill in all unit prices and amounts for each bid item. Fill in all subtotals, sales tax and the total bid amount in the spaces provided. List the addenda in the spaces provided to indicate acknowledgement. Sign, date, and provide requested information in the spaces provided on the last page.

☐ 2. CERTIFICATION OF APPRENTICESHIP – In the spaces provided on the PROPOSAL FORM, provide information on the BIDDER'S Apprenticeship Programs.

☒ 3. NON-COLLUSION DECLARATION – required on all projects.

☒ 4. PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT – required on all road construction projects.

☐ 5. CERTIFICATION FOR FEDERAL AID CONTRACTS – required on FHWA-funded projects.

☐ 6. DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION CERTIFICATION – required on FHWA-funded projects with a goal of greater than 0%.

☐ 7. DISADVANTAGED BUSINESS ENTERPRISE (DBE) WRITTEN CONFIRMATION DOCUMENT – required on FHWA-funded projects with a goal of greater than 0%. This form is required to be submitted within 48 hours after the time for delivery of the bid proposal.

☐ 8. DISADVANTAGED BUSINESS ENTERPRISE (DBE) BID ITEM BREAKDOWN – required on FHWA-funded projects with a goal of greater than 0%. This form is required to be submitted within 48 hours after the time for delivery of the bid proposal.

☐ 9. DISADVANTAGED BUSINESS ENTERPRISE (DBE) TRUCKING CREDIT FORM – required on FHWA-funded projects with a goal of greater than 0%. This form is required to be submitted within 48 hours after the time for delivery of the bid proposal.

☐ 10. LOCAL AGENCY SUBCONTRACTOR LISTS – To be filled in and signed by BIDDER.

☐ 11. CONTRACTOR'S PROJECT INFORMATION STANDARD QUESTIONNAIRE - The BIDDER shall complete this form.

☒ 12. BID DEPOSIT FORM - This form is to be executed by the BIDDER and the Surety Company unless bid is accompanied by cash, cashier's check, or a certified check. The amount of the deposit or bid bond shall be not less than 5% of the total amount of the bid and may be shown in dollars or on a percentage basis. Bid Bond forms other than the enclosed form may be accepted providing it has been approved by the OWNER prior to bid submittal.

☒ 13. E-VERIFY DECLARATION – The BIDDER shall complete and sign this form.

☒ 14. CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES – The BIDDER shall complete and sign this form. This form is required to be submitted within 24 hours after the time for delivery of the bid proposal.

PROPOSAL FORM

TO: Board of County Commissioners
County Administration Building
207 Fourth Avenue North, 3rd Floor
Kelso, WA 98626

FOR: **KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT**
Name of Project

FROM:

Bidder's Business Name	Mailing Address
Email Address	City, State and Zip
Name of Bidder's Representative for Bid	Telephone
Washington Registration No.	Tax I.D. No.
Employment Security Department No.	State Excise Tax Registration No.
Industrial Insurance Coverage Account No.	UBI No.

INSTRUCTIONS TO BIDDERS

1. Contract Documents. See Section 1-04.2 of the Special Provisions for a list of the "contract documents" that make up the contract. Be sure that you have a copy of the **2024** Standard Specifications for Road, Bridge, and Municipal Construction, by the Washington State Department of Transportation and the American Public Works Association, Washington State Chapter. Such specifications are sometimes referred to as the "Standard Specifications."

2. Submission of Bid. Fill out this Proposal Form completely, in accordance with Section 1-02.6 of the Standard Specifications. Enclose your Proposal Form and bid deposit in an opaque sealed envelope addressed to:

Cowlitz County Board of County Commissioners
Attn: Clerk of the Board
County Administration Building, 3rd Floor
207 Fourth Avenue North
Kelso, WA 98626

Mark the outside of the envelope with the name of the bidder, the name of the project, and the date and time of the bid opening. It is your responsibility to make sure that your bid is physically received by the Clerk of the Board by the time set for the bid opening. Bids not so received will not be considered. Bids may not be submitted by facsimile machine.

The County's determination of when a bid was received shall be final and non-appealable.

3. Bidder Responsibility Standards. It is the intent of the Owner to award a contract to the lowest, responsible and responsive bidder for all described Work. Before award, the bidder must meet all criteria and satisfy all requirements of the following bidder-responsibility standards to be considered a responsible and a responsive bidder. The bidder may be required by the Owner to submit documentation demonstrating compliance with these standards to be qualified to be awarded a contract. The bidder must:

a. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;

b. Have a current Washington Unified Business Identifier (UBI) number;

c. If applicable:

   i. Have Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in Title 51 RCW;

   ii. Have a Washington Employment Security Department number, as required in Title 50 RCW;

   iii. Have a Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;

d. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).

4. Execution of Contract. The successful bidder must use the performance bond form and other forms provided by Cowlitz County to be considered both a responsible and responsive bidder.

5. Sales Tax Code. In computing and reporting sales taxes payable to the Washington State Department of Revenue on this project, the following code number shall be used: **0800**.

PROPOSAL

The undersigned bidder proposes to perform the project named above in strict compliance with the contract documents, for the following amounts:

Item No.	Approximate Quantity	ITEM	UNIT PRICE $	AMOUNT $
1	Force Account	Miscellaneous Construction	10,000.00	10,000.00
2	1 Hours	Replacement Staking Services	-200.00	-200.00
3	Lump Sum	Mobilization		
4	Lump Sum	Project Temporary Traffic Control		
5	Lump Sum	Clearing and Grubbing		
6	Lump Sum	Removal of Structures and Obstructions		
7	Lump Sum	Trimming and Cleanup		
8	20 Ton	HMA Class 3/8 Inch PG 58H-22 for Pavement Repair		
9	80 L.F.	Corrugated Polyethylene Storm Sewer Pipe, 36-inch Diameter		
10	Lump Sum	Shoring or Extra Excavation Class B		
11	0.10 Acre	Seeding And Mulching		
12	25 L.F.	Removing and Resetting Beam Guardrail		
13	130 Ton	Light Loose Riprap		

Item No.	Approximate Quantity	ITEM	UNIT PRICE $	AMOUNT $
14	Lump Sum	Temporary Creek Diversion		

TOTAL COST TO COWLITZ COUNTY.....$_____

Addenda. The bidder acknowledges receipt of the following addenda: _____, _____, _____, _____, and _____. (Insert numbers of any addenda received.)

Non-Collusion. Each bidder must submit a declaration of non-collusion completely executed with their bid. Reasonable grounds for believing that any bidder(s) have engaged, either directly or indirectly, into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with this bid will cause rejection of all proposals which said bidder(s) has shown interest, and none of the participants to such direct or indirect actions will be considered.

The person(s) signing this bid on behalf of the bidder declare(s) under penalty of perjury under the laws of the United States and the State of Washington that this bidder has 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 this bid.

_____ _____

Date Signature of Person Authorized to Bind Bidder

_____ _____

Bidder's Business Name Title of Person Signing Bid

Signed in _____, Washington

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.

DOT Form 272-036I EF
07/2011

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 1-03.1 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 DEPOSIT FORM

KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT

Name of Project

_____

Name of Bidder

The bidder named above hereby submits its bid deposit in the form of a certified check, cashier's check, cash or bid bond in the amount of $_____, which amount is not less than five (5) percent of the total bid.

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, _____, as Principal and _____, a corporation duly organized under the laws of the state of _____, and authorized to do business in the State of Washington, as Surety, are held and firmly bound unto Cowlitz County as Obligee, in the full and penal sum of five (5) percent of the total amount of the bid proposal of said Principal for the work hereinafter described, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this bond is such, that whereas the Principal herein is herewith submitting his or its sealed proposal for the following public works project, to wit:

Said bid and proposal, by reference thereto, being made a part hereof.

NOW, THEREFORE, If the said proposal bid by said Principal be accepted, and the contract be awarded to said Principal, and if the said Principal shall duly make and enter into and execute said contract and shall furnish bond as required by the contract documents within a period of ten (10) days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect.

SIGNED AND SEALED this _____ day of _____, 2024.

_____	_____
Name of Bidder	Name of Surety
_____	_____
Authorized Signature	Authorized Signature*
_____	_____
Title	Title
_____	
Date	*Attach Power of Attorney

E-VERIFY DECLARATION

KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT
Cowlitz County Project No. 1317

Firm Name: _____

The undersigned declares, under **penalty of perjury** under the laws of Washington that:

1. That the above-named firm is currently enrolled in and using the E-Verify system implemented on October 25, 2011 as outlined in Resolution No. 11-118 and will continue to use the E-Verify system for so long as work is being performed on the above named project.

2. I certify that I am duly authorized to sign this declaration on behalf of the above-named bidder/proposer.

3. I acknowledge that Cowlitz County reserves the right to require a copy of the Memorandum of Understanding between the contractor listed above and the Department of Homeland Security certifying enrollment in the E-Verify program at any time. Failure to provide the required Memorandum of Understanding within 10 days of request could lead to suspension of this contract.

Dated at _____ , State of _____ on this _____ day of _____, 2024.

Signature _____

Printed Name _____

THIS PAGE MUST BE RETURNED WITH THE BID DOCUMENTS

COMPLIANCE WITH WAGE PAYMENT LAWS DECLARATION

KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT
Cowlitz County Project No. 1317

Firm Name: _____

1. The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date April 9, 2024, the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

2. I certify that I am duly authorized to sign this declaration on behalf of the above-named bidder/proposer.

3. I acknowledge that Cowlitz County is required to receive this declaration as a condition to awarding the public works contract pursuant to RCW 39.04.350.

The undersigned declares, under penalty of perjury under the laws of Washington that the foregoing is true and correct.

Signed and dated at_____, in State of____, on this_____day of _____2024.

Signature _____

Printed Name _____

THIS PAGE MUST BE RETURNED BEFORE THE PUBLIC WORKS CONTRACT CAN BE AWARDED

AGREEMENT

THIS AGREEMENT is entered into between **COWLITZ COUNTY** and _____ _____ ("Contractor") for the following project: **KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT** ("the Project").

The Parties Agree as Follows:

1. Acceptance of Bid Proposal. Cowlitz County accepts Contractor's bid proposal for the Project. Such acceptance is limited to the following items of the bid proposal: **1-14**.

2. Contractor to Accomplish Project. Contractor shall do all work and furnish all labor, materials, equipment, tools, services, and incidentals necessary to accomplish the Project in strict compliance with the contract documents.

3. Contract Amount. Cowlitz County shall pay Contractor in accordance with the contract documents, based on the unit prices and lump sums stated in the Proposal Form. The total contract amount for the Project shall not exceed $_____, including sales taxes.

4. Contract Documents. (a) This Agreement shall be governed by and incorporates by reference the **2024** Standard Specifications for Road, Bridge, and Municipal Construction, by the Washington State Department of Transportation and the American Public Works Association, Washington State Chapter (the "Standard Specifications"). All provisions of the Standard Specifications apply unless specifically modified herein. (b) The contract documents constitute the parties' entire and integrated agreement concerning the Project, and supersede all prior and contemporaneous negotiations, representations, or agreements, both written and oral.

5. Contractor Registration. By submitting a bid, each bidder warrants that it is currently a registered contractor in accordance with RCW 18.27. Continuous registration throughout the performance of the project is a requirement of the contract. The bidder shall promptly furnish proof of registration whenever requested.

6. Performance of Work. (a) The Contractor warrants that all work performed shall be free from defects in material and workmanship, shall conform to the contract documents, and shall be fit for Cowlitz County's intended purposes. If the Engineer determines that the work or any portion thereof fails to conform to the foregoing warranty, the Engineer shall give the Contractor written notice thereof and the Contractor shall then take corrective action as directed by the Engineer. The purpose of the corrective action will be to remedy all nonconforming work and any damage caused by the nonconforming work. The Contractor shall begin the repair or replacement within 10 days after

receiving the notice, and shall complete the work within such reasonable time as determined by the Engineer. If the Contractor fails to carry out the corrective action as required by this section, Cowlitz County may perform the corrective action with its own resources or by contract, and the Contractor shall pay all the costs thereof.

(b) If other provisions of the contract documents contain different performance requirements, the more stringent requirements shall apply.

(c) No inspection, acceptance, use, or occupancy of the work, or payment for the work, shall relieve the Contractor from its responsibilities.

(d) The Contractor warrants good title to all materials, supplies, and equipment incorporated into the work.

7. Uniformity of Equipment and Materials. Like items of equipment and materials to be incorporated into the work shall be products of one manufacturer.

8. Substitution of "Equal" Products. Unless otherwise provided, any reference in the contract documents to any product by a brand name, model, or catalog number shall be understood as establishing a standard of quality, and products equal in quality may be substituted if approved in advance by the Engineer. If the Contractor wishes to propose a substitution, it shall submit a written proposal in a form approved by the County, warranting and guarantying the substitute product will be, including but not limited to, at least equal to or better than the specified product in terms of quality, function, performance, compatibility and reliability, to the Engineer, whose decision shall be final. The proposal shall identify the proposed substitute product, and the Contractor shall upon request and at its expense furnish the Engineer with such detailed specifications, test results, and other data as are helpful to the Engineer. The Engineer will not consider any proposed substitution if there is inadequate time available to fully evaluate the proposal. If the Engineer approves a substitution proposed by the Contractor, it is understood that such approval is in reliance upon the Contractor's written warranty and guaranty the substitute product to be, including but not limited to, at least equal to or better than the specified product in terms of quality, function, performance, compatibility and reliability. There will be no additional compensation or extensions to the time for completion. If the installation, application or performance of the substitute product is not equal to the specified product, the Engineer may direct the Contractor to remove the substitute product and replace it with the specified product, and to remedy any damage and delay caused by the use of the substitute product, all at the Contractor's expense. The County has a right to a deductive Change Order if the substituted product proves less costly than the contractually required product.

9. Utilities. The Contractor shall comply with the provisions of RCW 19.122, Standard Specification 1-07.17, and this paragraph. The telephone number of the Cowlitz County Utilities Coordinating Council is (800) 424-5555. The Special Provisions and/or contract plans identify all underground facilities known by Cowlitz County to be located within the area of excavation required as part of the work. Locations and dimensions shown in the Special Provisions or on the plans are in

accordance with available information without uncovering, measuring, or other verification. If a utility is known or suspected of having underground facilities within the area of the excavation, and that utility is not a subscriber to the Cowlitz County Utilities Coordinating Council, the Contractor shall give individual notice to that utility.

10. Prevailing Wages and E-Verify. The Contractor shall pay all fees required by the Department of Labor and Industries in connection with the administration of the prevailing wage requirements. No increase in prevailing wage rates or fringe benefits shall be grounds for any additional compensation to the Contractor.

Cowlitz County requires that all businesses which contract with the County for contracts awarded by formal competitive procedures be enrolled in the Federal E-Verify Program. The requirement extends to every subcontractor meeting the same criteria. The Prime Contractor must provide certification of enrollment with bid submittal. The Prime Contractor is responsible for verification of every applicable subcontractor. Cowlitz County reserves the right to require a copy of a Memorandum of Understanding between the Prime or any Subcontractor and Department of Homeland Security upon request at any time during the project verifying the contractor's enrollment. Failure to provide this document could result in suspension of the project.

A copy of Resolution No. 11-118 is available at the Offices of the Board of County Commissioners. Federal E-Verify Program is a web-based application that can be accessed at www.dhs.gov/everify.

11. Air Pollution Regulations. The Southwest Washington Air Pollution Control Authority has adopted regulations to control the emission of contaminants into the air by sources within the Authority's jurisdiction, which includes Cowlitz County. The Contractor shall comply with all regulations and orders of such Authority.

12. Shoring. If in the performance of this contract, the Contractor or any subcontractor excavates any trench to a depth in excess of four feet, the Contractor shall provide adequate safety systems for the trench excavation that comply with the requirements of the Washington Industrial Safety and Health Act, RCW 39.04.180, and with all regulations thereunder. The costs associated with such trench safety systems are set forth as a separate bid item on each bidder's proposal. The costs of such trench safety systems shall not be considered as incidental to any other contract item, and any attempt to include the trench safety systems as an incidental cost is prohibited.

13. Worker's Benefits. The following is added at the end of Standard Specification 1-07.10: Notwithstanding the provisions of the preceding paragraphs, Contractor shall remain at all times liable for payment of any and all premiums due under Title 50 or Title 51 RCW, or any other employee benefit act, with respect to all work performed by Contractor or any subcontractor pursuant to this contract. Contractor shall indemnify, defend and hold Cowlitz County harmless from and against any claim or

demand for payment of such premiums. The Contractor's responsibilities under this section shall survive the termination or completion of the contract and/or any release of retainage with respect to the contract. These waivers by the Contractor are a material inducement to County to enter into this contract, are reflected in Contractor's compensation, and have been mutually negotiated by the parties.

BOARD OF COUNTY COMMISSIONERS
OF COWLITZ COUNTY, WASHINGTON

Richard R. Dahl, Chairman	Name of Contractor
Arne Mortensen, Commissioner	Signatory Authorized by Firm Bylaws to Bind Contractor
Dennis P. Weber, Commissioner	Title
ATTEST:	
Kelly Dombrowski, Clerk of the Board	Date
Date	Washington Contractor's Registration Number
APPROVED AS TO FORM:	
Civil Deputy Prosecuting Attorney	

[Executed copies shall be delivered each to County, Contractor, Surety and Insurance Company]

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that the undersigned Contractor and Surety, a corporation, organized and existing under and by virtue of the laws of the State of Washington, are jointly and severally obligated to Cowlitz County, State of Washington, in the penal sum of $_____, for the payment of which sum we jointly and severally bind ourselves and our heirs, executors, administrators, and assigns, and successors and assigns, firmly in accordance with the following provisions:

The Contractor has entered into or is about to enter into a contract with Cowlitz County for the following project: **KALAMA RIVER ROAD CULVERT REPLACEMENT PROJECT.**

Now, if the Contractor fully and timely performs all terms, conditions and requirements of the contract in all respects, including all warranty provisions; and pays all laborers, mechanics, subcontractors, and materialmen, and all persons who supply such person or persons, or subcontractors, with provisions and supplies for the above project; and defends and indemnifies Cowlitz County against any direct or indirect loss, damage, liability, judgments, and costs, to the extent required by the contract; then this obligation shall be void; otherwise it shall remain in full force and effect.

Provided, however, that the conditions of this obligation shall not apply to any money loaned or advanced to the Contractor or to any subcontractor or other person in the performance of any such work.

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 Contractor shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

Any judgment against Cowlitz County that relates to or is covered by the contract or this bond shall be conclusive against the Contractor and the Surety, not only as to the amount of damages but also as to their liability if reasonable notice of the pendency of the suit has been given.

_____	_____
Name of Contractor	Name of Surety
_____	_____
Authorized Signature	Authorized Signature*
_____	_____
Title	Title
_____	_____
Date	Date

*Attach Power of Attorney

SPECIAL PROVISIONS

INTRODUCTION TO THE SPECIAL PROVISIONS

(January 4, 2024 APWA GSP, Option A)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2024 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 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 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)

Project specific special provisions are labeled without a date as such:
(*****)

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 Manual M21-01, current edition

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

- DIVISION 1 -
GENERAL REQUIREMENTS

DESCRIPTION OF WORK
(March 13, 1995)
This contract provides for the improvement of *** clearing and grubbing, trench excavation, temporary creek diversion, filling existing culvert with controlled density fill, installation of corrugated polyethylene storm sewer pipe, trench backfill, roadway restoration, hot mix asphalt pavement repair, riprap placement, seeding and mulching, *** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

(******)
Appendices. The following appendices are hereby provided for the Contractor's information:

Appendix A – Plans
Appendix B – HPA from Washington State Department of Fish and Wildlife
Appendix C – Nationwide Permit 14 from US Army Corps of Engineers
Appendix D – Critical Areas Permits and Shorelines Exemptions from Cowlitz County Department of Building and Planning
Appendix E – Applicable Standard Plans
Appendix F – Topographic Survey

1-01.3 Definitions
(January 19, 2022 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 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.

(******)
"Contracting Agency" means Cowlitz County.

"Engineer" or "Project Engineer" means the Cowlitz County Engineer.

"Secretary" or "Secretary of Transportation" means the Board of County Commissioners of Cowlitz County.

"State" or “State of Washington” means Cowlitz County, except when referring to state departments other than the department of transportation, and except when referring to state publications, laws, etc.

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.

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:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	2	Furnished automatically upon award.
Contract Provisions	2	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	3	Furnished only upon request.

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

1-02.5 Proposal Forms
(July 31, 2017 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 UDBE/DBE/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
Section 1-02.6 is supplemented with the following:

(November 20, 2023)
The fourth and fifth paragraphs of Section 1-02.6 are deleted.

1-02.6 Preparation of Proposal
(January 4, 2024 APWA GSP 1-02.6, Option B)

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 two paragraphs, and replace them with the following:

The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

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 DBE 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 DBE requirements are to be satisfied through such an agreement.

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.

1-02.9 Delivery of Proposal
(January 4, 2024 APWA GSP, Option A)

Delete this section and replace it with the following:

DBE DOCUMENT SUBMITTAL REQUIREMENTS

General
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.

To be considered responsive on a FHWA-funded project, the Bidder may be required to submit the following items, as required by Section 1-02.6:

- DBE Utilization Certification (WSDOT 272-056)
- DBE Written Confirmation Document (WSDOT 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification
- Good Faith Effort (GFE) Documentation (if applicable)
- DBE Bid Item Breakdown (WSDOT 272-054)

Proposals that are received as required will be publicly opened and read as specified in Section 1-02.12. The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids. The Contracting Agency will not open or consider any "Supplemental Information" (DBE confirmations, or GFE documentation) that is received after the time specified above, or received in a location other than that specified in the Call for Bids.

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.

DBE Utilization Certification (WSDOT Form 272-056)
The DBE Utilization Certification shall be received at the same location and no later than the time required for delivery of the Proposal. The Contracting Agency will not open or consider any Proposal when the DBE Utilization Certification is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals. The DBE Utilization Certification may be submitted in the same envelope as the Bid deposit.

DBE Written Confirmation (WSDOT Form 422-031) and/or GFE Documentation, (if applicable)
The DBE Written Confirmation Documents and/or GFE Documents are not required to be submitted with the Proposal. The DBE Written Confirmation Document(s) and/or GFE (if any) shall be received either with the Bid Proposal or as a Supplement to the Bid. The documents shall be received no later than 48 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. To be considered responsive, Bidders shall submit Written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification and/or the GFE as required by Section 1-02.6.

DBE Bid Item Breakdown (WSDOT form 272-0-54)
The DBE Bid Item Breakdown shall be received either with the Bid Proposal or as a Supplement to the Bid. The documents shall be received no later than 48 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. The successful Bidder shall submit a completed DBE Bid Item Breakdown, however, minor errors and corrections to DBE Bid Item Breakdown will be returned for correction for a period up to five calendar days after bid opening (not including Saturdays, Sundays and Holidays) DBE Bid Item Breakdown that are still incorrect after the correction period will be determined to be non-responsive.

The DBE Bid Item Breakdown will not be included as part of the executed Contract.

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
Section 1-02.12 is supplemented with the following:

Date Of Opening Bids
Sealed bids are to be received at the following location prior to the time specified in the CALL FOR BIDS:

Board of County Commissioners
Attn: Clerk of the Board
County Administration Building
207 Fourth Avenue North, 3rd Floor
Kelso WA 98626

1-02.13 Irregular Proposals
(January 4, 2024 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 Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
c. A price per unit cannot be determined from the Bid Proposal;
d. The Proposal form is not properly executed;
e. The Bidder fails to submit or properly complete a subcontractor list (WSDOT Form 271-015), if applicable, as required in Section 1-02.6;
f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification (WSDOT Form 272-056), if applicable, as required in Section 1-02.6;
g. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
h. The Bidder fails to submit 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 in accordance with Section 1-07.11;
i. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
j. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
   c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
   d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
   e. Receipt of Addenda is not acknowledged;
   f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
   g. If Proposal form entries are not made in ink.

1-02.14 Disqualification of Bidders
(May 17, 2018 APWA GSP, Option A)

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.

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1). To assess bidder responsibility, the Contracting Agency reserves the right to request documentation as needed from the Bidder and third parties concerning the Bidder's compliance with the mandatory bidder responsibility criteria.

If the Contracting Agency determines the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1) 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.

1-02.15 Pre-Award Information
(December 30, 2022 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
(December 30, 2022 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
(December 30, 2022 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
(January 4, 2024 APWA GSP Option B)

Revise this section to read:

Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

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, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage form for the Construction Stormwater General Permit with sections I, III, and VIII completed when provided. 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
(December 30, 2022 APWA GSP)

Revise this section to read:

All decisions 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 36.01.050 shall control venue and jurisdiction.

1-04 SCOPE OF THE WORK

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

(December 30, 2022 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. Standard Specifications,
6. Contracting Agency's Standard Plans or Details (if any), and
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

(*******)

Interpretation of Contract Documents. The Contractor shall provide any work or materials clearly implied in the contract even if the contract documents do not mention it specifically. If the contract documents use words that are not defined therein but have a commonly accepted technical or trade meaning, the words shall be understood in accordance with that meaning.

1-04.4 Changes

(January 19, 2022 APWA GSP)

The first two sentences of the last paragraph of Section 1-04.4 are deleted.

1-05 CONTROL OF WORK

1-05.1 Authority of The Engineer

Section 1-05.1 is supplemented with the following:

(*******)

Additional Directions from Engineer. If the Engineer determines that the provisions in the contract documents are not sufficiently clear to permit the Contractor to proceed with the work, the Engineer shall, either on his own or upon written request from the Contractor, furnish such additional written directions as he deems appropriate. When the Contractor makes such a request, it must do so in writing and must allow ample time to permit the Engineer to review the request and prepare any additional directions before the Contractor begins any work affected by the request. Any additional directions

issued by the Engineer shall not be inconsistent with the contract documents and shall have the same force and effect as if contained in the contract documents.

1-05.3 Plans and Working Drawings

Section 1-05.3 is supplemented with the following:

Shop Drawings. The Contractor shall submit five copies of all shop drawings and samples to the Engineer for review and approval in accordance with the schedule of shop drawing submissions approved at the Pre-Construction Conference. Contractor shall check and verify all field measurements prior to submitting shop drawings to Engineer for review and approval, shop drawings shall have been checked by and stamped with the approval of the Contractor and identified as the Engineer may require. The data shown on the Shop Drawings will be complete with respect to dimensions, design criteria, material or construction and like information to enable the Engineer to review the information as required.

At the time of each submission, the Contractor shall, in writing, call the Engineer's attention to any deviations that the Shop Drawings or Samples may have from the requirements of the Contract Documents.

The Engineer will review and approve with reasonable promptness shop drawings and samples, but the Engineer's review and approval shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contact Documents and shall not extend to means, methods, sequences, techniques or procedures of construction or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions. The Contractor shall make any corrections required by the Engineer and shall return the required number of corrected copies of shop drawing and resubmit new samples for review and approval. The Contractor shall direct specific attention, in writing, to revisions other than the corrections called for by the Engineer on previous submittals. The Contractor's stamp of approval on any shop drawings or samples shall constitute a representation to Owner and Engineer that Contractor has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data or assumes full responsibility for doing so, and that the Contractor has reviewed or coordinated each shop drawing or sample with the requirements of the work and the Contract Documents.

Where a shop drawing or sample is required by the Specifications, no related work shall be commenced until the submittal has been reviewed and approved by the Engineer.

The Engineer's review and approval of shop drawings or samples shall not relieve the Contractor from responsibility for any deviations from the Contract Documents unless the Contractor has, in writing, called the Engineer's attention to such deviation at the time of submission and the Engineer has given written concurrence and approval to the specific deviation, nor shall any concurrence or approval by the Engineer relieve the Contractor from responsibility for errors or omissions in the shop drawings.

1-05.4 Conformity With And Deviations From Plans And Stakes

Section 1-05.4 is supplemented with the following:

(*******)
The Contracting Agency will provide construction surveying following a written request by the Contractor. The Contractor shall prepare the project site as necessary to accommodate the survey operations. This includes clearing and grubbing, and any excavation or placement of fill materials necessary for the stakes to be placed at the correct elevations. If the Contracting Agency's survey personnel arrive at the project site and the site has not been adequately prepared for the specific surveying task, the survey request will be denied and returned to the Contractor. The Contracting Agency will not provide the requested surveying services until a new request has been submitted by the Contractor.

The Contractor shall provide sufficient, safe and adequate space for the surveyors to set points and elevations and shall use caution whenever it is necessary to have equipment working at the same time and the same vicinity as the Contracting Agency's survey personnel. If the Engineer determines that sufficient, safe and adequate space is not provided, then survey personnel may be withdrawn until corrective action is taken by the Contractor to the satisfaction of the Engineer.

The Contractor shall assume full responsibility for the interpretation and measurements from the stakes, hubs or marks. If the Contractor notices any discrepancies in line or grade, the Contractor shall bring them to the immediate attention of the Engineer, prior to constructing the affected work.

Replacement Staking Services

If at any time the Contracting Agency is required to replace survey staking previously done by the Contracting Agency, the Contractor shall bear the expense. The Contractor shall be charged by the hour at the rate set in the bid proposal form for each hour that the replacement staking requires.

Measurement

Replacement staking services shall be measured by the whole hour rounded up for any partial hour. The time for determining the hour charges will be from the time the Contracting Agency's personnel leave their current work until they return to that work at the same point as the departure.

Payment

"Replacement Staking Services", per hour, will be deducted off the regular and final progress payments at the rate per hour shown in the bid proposal form.

Add the following new sub-section:

1-05.4 Conformity With and Deviations from Plans and Stakes
Supplement this section with the following:

Roadway and Utility Surveys
(July 23, 2015 APWA GSP, Option 1)

The Engineer shall furnish to the Contractor one time only all principal lines, grades, and measurements

the Engineer deems necessary for completion of the work. These shall generally consist of one initial set of:

1. Slope stakes for establishing grading;
2. Curb grade stakes;
3. Centerline finish grade stakes for pavement sections wider than 25 feet; and
4. Offset points to establish line and grade for underground utilities such as water, sewers, and storm drains.

On alley construction projects with minor grade changes, the Engineer shall provide only offset hubs on one side of the alley to establish the alignment and grade.

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, therefore.

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.

Add the following new section:

1-05.16 Water and Power
(October 1, 2005 APWA GSP)

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

1-06 CONTROL OF MATERIAL

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 RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws To Be Observed

Section 1-07.1 is supplemented with the following:

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

1-07.2 State Sales Tax
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).

1-07.6 Permits and Licenses

Section 1-07.6 is supplemented with the following:

(*******)

The Contracting Agency has obtained the below-listed permit(s) for this project. A copy of the permit(s) is attached as an appendix for informational purposes. All contacts with the permitting agency concerning the below-listed permit(s) shall be through the Engineer. The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable bid items for the work involved. Copies of these permits are required to be onsite at all times.

*** HPA from Washington State Department of Fish and Wildlife
Nationwide Permit 14 from US Army Corps of Engineers
Critical Areas Permits and Shorelines Exemptions from Cowlitz County Department of Building and Planning ***

1-07.7 Load Limits

Section 1-07.7 is supplemented with the following:

(March 13, 1995)

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

1-07.13 Contractor's Responsibility for Work

(*******)

1-07.13(4) Repair of Damage

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

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

(*******)

1-07.14 Responsibility for Damage

Section 1-07.14 is supplemented with the following:

Indemnification. References in Standard Specification 1-07.14 to the Contractor's "agents" shall be understood to include the Contractor's subcontractors. The Contractor's responsibilities under Standard Specification 1-07.14 shall survive the termination or completion of the contract.

Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

(April 2, 2007)

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

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

**Power:	Cowlitz Public Utility District 961 12th Avenue Longview, Washington 98632 (360) 577-7546
Telephone:	Kalama Telephone PO Box 1068 Kalama, Washington 98625 (360) 673-2764
Cable:	Comcast 6916 NE 40th Street Vancouver, WA 98661 (360) 891-3204**

(******)

The above are all the utilities known by the County to be within the location of the planned excavation or project area. With respect to any utilities other than those identified above, which are not known to the County, the Contractor shall bear full responsibility. Additionally, the Contractor shall take all steps required to comply with RCW Chapter 19.122. Once marked by the owner of the underground facility, the Contractor is responsible for maintaining the markings, per RCW 19.122.030.

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, 2024 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.

F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency

G. 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.

H. 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.

I. Under no circumstances shall a wrap-up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A **"**wrap up policy**"** is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project**.**

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:

$2,000,000	Each Occurrence
$3,000,000	General Aggregate
$3,000,000	Products & Completed Operations Aggregate
$2,000,000	Personal & Advertising Injury each offence
$2,000,000	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

1-07.23(1) Construction Under Traffic

The second paragraph of Section 1-07.23(1) is supplemented with the following:

(*******)

The Contractor shall limit the total delay to the public, to a maximum of *** 20 *** minutes, during travel through the project. If the delay becomes greater than *** 20 *** minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the *** 20 *** minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the *** 20 *** minute limit. This proposal shall be approved by the Engineer prior to resuming any work requiring traffic control.

The Contractor shall keep one 12-foot-wide (min.) lane open during work hours. The Contractor shall keep the entire roadway open during non-working hours.

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 10 am 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.

1-08.0(3) Reimbursement for Overtime Work of Contracting Agency Employees
(May 25, 2006 APWA GSP)

Where the Contractor elects to work on a Saturday, Sunday, or holiday, or longer than an 8-hour work shift on a regular working day, as defined in the Standard Specifications, such work shall be considered as overtime work. On all such overtime work an inspector will be present, and a survey crew may be required at the discretion of the Engineer. In such case, the Contracting Agency may deduct from amounts due or to become due to the Contractor for the costs in excess of the straight-time costs for employees of the Contracting Agency required to work overtime hours.

The Contractor by these specifications does hereby authorize the Engineer to deduct such costs from the amount due or to become due to the Contractor.

1-08.1 Subcontracting
Section 1-08.1 is supplemented with the following:

(******)
The Contractor shall ensure that each subcontractor (in any tier) agrees in writing to: (a) perform its work in strict compliance with these contract documents; and (b) defend, indemnify, and hold harmless Cowlitz County (and its officials, employees, and agents) from claims and liabilities arising from the subcontractor's acts and omissions, to the same extent provided in Standard Specification 1-07.14 for the Contractor. Upon request, the Contractor will promptly provide the Engineer with a copy of any subcontract.

The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language of this section in each of their

subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the Owner, the Contractor shall promptly provide documentation to the Owner demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier.

At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:

1. Have a current certificate of registration in compliance with chapter 18.27 RCW, which must have been in effect at the time of subcontract bid submittal;

2. Have a current Washington Unified Business Identifier (UBI) number;

3. If applicable, have:

    a. Have Industrial Insurance (workers' compensation) coverage for the subcontractor's employees working in Washington, as required in Title 51 RCW;

    b. A Washington Employment Security Department number, as required in Title 50 RCW;

    c. A Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;

    d. An electrical contractor license, if required by Chapter 19.28 RCW;

    e. An elevator contractor license, if required by Chapter 70.87 RCW.

4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065 (3).

1-08.3 Progress Schedule.
Add the following to Section 1-08.3:

(*******)
A critical path schedule shall be submitted by the Contractor for review and approval by the Engineer prior to the preconstruction meeting. Work shall not begin until the critical path schedule is approved. Any deviation from the approved critical path must be submitted to the Engineer with a modified critical path schedule two (2) working days prior to the proposed deviation. Approval must be received from the Engineer prior to proceeding with the deviation. Costs for the critical path schedule shall be included in the bid items of this contract and will not be paid for individually.

1-08.5 Time for Completion
Section 1-08.5 is supplemented with the following:

(March 13, 1995)
This project shall be physically completed within *** 25 *** working days.

1-08.9 Liquidated Damages

(March 3, 2021 APWA GSP, Option B)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

1. To pay (according to the following formula) liquidated damages for each working day beyond the number of working days established for Physical Completion, and

2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

Liquidated Damages Formula

LD=0.15C/T

Where:

LD = liquidated damages per working day (rounded to the nearest dollar)
C = original Contract amount
T = original time for Physical Completion

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

(December 30, 2022 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
(December 30, 2022 APWA GSP)

Section 1-09.9 is revised to read:

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.

Failure to perform obligations under the Contract by the Contractor may be decreed by the Contracting Agency to be adequate reason for withholding any payments until compliance is achieved.

Upon completion of all Work and after final inspection (Section 1-05.11), the amount due the Contractor under the Contract will be paid based upon the final estimate made by the Engineer and presentation of a Final Contract Voucher Certification to be signed by the Contractor. The Contractor's signature on such voucher shall be deemed a release of all claims of the Contractor unless a Certified Claim is filed in accordance with the requirements of Section 1-09.11 and is expressly excepted from the Contractor's certification on the Final Contract Voucher Certification. The date the Contracting Agency signs the Final Contract Voucher Certification constitutes the final acceptance date (Section 1-05.12).

If the Contractor fails, refuses, or is unable to sign and return the Final Contract Voucher Certification or any other documentation required for completion and final acceptance of the Contract, the Contracting Agency reserves the right to establish a Completion Date (for the purpose of meeting the requirements of RCW 60.28) and unilaterally accept the Contract. Unilateral final acceptance will occur only after the Contractor has been provided the opportunity, by written request from the Engineer, to voluntarily submit such documents. If voluntary compliance is not achieved, formal notification of the impending establishment of a Completion Date and unilateral final acceptance will be provided by email with delivery confirmation from the Contracting Agency to the Contractor, which will provide 30 calendar days for the Contractor to submit the necessary documents. The 30-calendar day period will begin on the date the email with delivery confirmation is received by the Contractor. The date the Contracting Agency unilaterally signs the Final Contract Voucher Certification shall constitute the Completion Date and the final acceptance date (Section 1-05.12). The reservation by the Contracting Agency to unilaterally accept the Contract will apply to Contracts that are Physically Completed in accordance with Section 1-08.5, or for Contracts that are terminated in accordance with Section 1-08.10. Unilateral final acceptance of the Contract by the Contracting Agency does not in any way relieve the Contractor of their responsibility to comply with all Federal, State, tribal, or local laws, ordinances, and regulations that affect the Work under the Contract.

Payment to the Contractor of partial estimates, final estimates, and retained percentages shall be subject to controlling laws.

(March 13, 2012 APWA GSP)
Supplement this section with the following:

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

Section 1-09.9 is supplemented with the following:

(*******)
Partial Payments. Partial payments shall be made once each month, based on estimates prepared by the Engineer. The Contractor shall prepare a document detailing work and labor performed and material furnished during each calendar month, and shall deliver the document to the Engineer by the fifth day of the following month. The documentation shall be in a format prescribed by the Engineer. If

the Contractor's documentation is timely submitted, the County Auditor will issue a warrant payable to the Contractor on the last working day of the month, based on the estimate prepared by the Engineer.

1-09.11(3) Time Limitation and Jurisdiction
(December 30, 2022 APWA GSP)

Revise this section to read*:*

For the convenience of the parties to the Contract it is mutually agreed by the parties that all 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 all 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 36.01.050 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 all such claims or causes of action. It is further mutually agreed by the parties that when 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 all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-09.13(3)A Arbitration General
(January 19, 2022 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 36.01.050 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

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

(October 3, 2022)
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
https://www.nwlett.edu

Evergreen Safety Council
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778
https://www.esc.org

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
https://atssa.com/training

Integrity Safety
13912 NE 20th Ave.
Vancouver, WA 98686
(360) 574-6071
https://www.integritysafety.com

US Safety Alliance
(904) 705-5660
https://www.ussafetyalliance.com

K&D Services Inc.
2719 Rockefeller Ave.
Everett, WA 98201
(800) 343-4049
https://www.kndservices.net

1-10.3 Traffic Control Labor, Procedures, and Devices
1-10.3(3)A Construction Signs
(******)

The first paragraph of Section 1-10.3(3)A is revised to read as follows:

All signs required by the approved traffic control plan(s) as well as any other appropriate signs prescribed by the Engineer shall be furnished by the Contractor. The Contractor shall provide the posts or supports and erect and maintain the signs in a clean, neat, and presentable condition until the necessity for them has ceased. When the need for these signs has ceased, the Contractor, upon approval of the Engineer, shall remove all signs, posts, and supports from the project and they shall remain the property of the Contractor. There shall be no intermixing of signs with non-fluorescent orange reflective sign sheeting and signs with fluorescent orange reflective sign sheeting on the same signpost.

The third paragraph of Section 1-10.3(3)A is supplemented with the following:

The Contractor shall furnish, install, and remove all construction signs and all cones, barricades, flashers, and other traffic control devises of a temporary and portable nature. The Contractor shall maintain all signs and other traffic control devices.

"MOTORCYCLES USE EXTREME CAUTION" signs per W21-1701 of the WSDOT Sign Fabrication Manual shall be supplied by the Contractor if there will be grooved pavement, abrupt lane edges, steel plates or gravel-or-earth surfaced roadways within the project limits. The Contractor shall include the signs in the Traffic Control Plan and install the signs in advance of the work zone and maintain the signs for as long as the above conditions are present. These signs are in addition to any other signs stating the condition of the roadway. MOTORCYCLES USE EXTREME CAUTION" signs shall be considered Class B signs.

The seventh paragraph of Section 1-10.3(3)A is revised to read as follows:

Signs, posts, or supports that are lost, stolen, damaged, destroyed, or which the Engineer deems to be unacceptable while their use is required on the project, shall be replaced by the Contractor without additional compensation.

BID ITEMS

BID ITEM 1: MISCELLANEOUS CONSTRUCTION

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 1-09.6, except as modified below.

1-09.6 Force Account

Insert the following paragraph before the first paragraph of Section 1-09.6, which begins "The terms of the contract or of a change order may call...":

The Miscellaneous Construction bid item has been included for any additional work directed by the Engineer that is not required by the original contract. The amount indicated in the proposal for this bid item is to provide a common bid amount. The actual amount paid under this bid item may vary from no payment to the full amount of the bid item.

Add the following to Section 1-09.6:

In lieu of the preceding prescribed method of determining payment for force account work, payment may be made at unit prices or lump sum prices agreed to by the Engineer and the Contractor, prior to beginning the Miscellaneous Construction work.

BID ITEM 2: REPLACEMENT STAKING SERVICES

This bid item shall be accomplished in accordance with the Plans, Standard Specification Section 1-05.4 and the Special Provisions for Section 1-05.4.

BID ITEM 3: MOBILIZATION

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 1-09.7.

BID ITEM 4: PROJECT TEMPORARY TRAFFIC CONTROL

This bid item shall be accomplished in accordance with the Plans and Standard Specification Sections 1-07 and 1-10 and the Special Provisions for Section 1-10.

BID ITEM 5: CLEARING AND GRUBBING

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 2-01 except as modified below:

2-01.1 Description

Delete paragraph one of Section 2-01.1, which begins "The Contractor shall clear..." and replace with the following:

(*******)

The Contractor shall clear, grub, and clean the entire limits of clearing within the project area, unless otherwise noted or specified. The Contractor shall also clear, grub and clean areas designated to receive fill materials, as specified herein. Existing trees outside the limits of clearing and specific improvements marked on the plans as remaining shall be protected from damage.

Delete paragraph two of Section 2-01.1 which begins “Clearing” means removing and...” and replace with the following:

(*******)

“Clearing” means removing and disposing of all unwanted material from the surface, as determined by the Engineer, such as trees, brush, vines, down timber, lumber, concrete, miscellaneous trash, and other.

2-01.2 Disposal of Usable Material and Debris

Add the following to Section 2-01.2:

(*******)

No waste site has been provided by the County for this project.

2-01.5 Payment

Add the following to the third paragraph of Section 2-01.5 which begins “the unit Contract price per acre…”:

(*******)

It has been calculated that there are approximately **0.1** acres of Clearing and Grubbing required for this project. This value has been provided for the purposes of bidding only. No adjustment to this lump sum bid item will be made.

BID ITEM 6: REMOVAL OF STRUCTURES AND OBSTRUCTIONS

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 2-02, except as modified below:

2-02.1 Description

Add the following to Section 2-02.1:

(*******)

Removal of Structures and Obstructions shall consist of the following work:

1. Removal of portions of existing culverts as shown on the Plans
2. Abandoning portions of existing culverts by filling with controlled density fill

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

Add the following to Section 2-02.3(2):

(*******)

Where shown on the Plans, existing culverts shall be abandoned in place and filled with controlled density fill (CDF) meeting the requirements of Section 2-09.3(1)E. The work area shall first be isolated under the Temporary Creek Diversion bid item. The existing culvert ends shall be plugged with grout. At the upstream end, a pipe with an upturned elbow will be installed as a vent. At the downstream end, a pipe will be placed through the grout plug, with a fitting for the line pump. After the grout has set for 24 hours minimum, CDF shall be pumped into the downstream end until CDF is observed at the upstream end. The Contractor shall exercise care to avoid grout and CDF leaks. Any spills of grout or CDF shall be immediately removed along with the soil it contacts and hauled to a permitted disposal site.

2-02.5 Payment

Add the following to Section 2-02.5:

(*******)

The lump sum contract price shall be full pay for excavating, loading, hauling, placing, filling with controlled density fill, or otherwise disposing of all items of this bid item designated for removal, salvage, or abandonment.

BID ITEM 7: TRIMMING AND CLEANUP

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 2-11.

BID ITEM 8: HMA CLASS 3/8 INCH PG 58H-22 FOR PAVEMENT REPAIR

This bid item shall be accomplished in accordance with the Plans, the following APWA GSP for Section 5-04, as modified by Cowlitz County. Cowlitz County modifications to the APWA GSP are shown as underlined text for additions and as strikethrough text for deletions.

5-04 Hot Mix Asphalt

(January 31, 2023 APWA GSP)

Delete Section 5-04, Hot Mix Asphalt, and replace it with the following:

5-04.1 Description

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement (RAP)	9-03.8(3)B, 9-03.21
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B, 9-03.21
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

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

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP.

If the Contractor wishes to utilize High RAP/Any RAS, the design must be listed on the WSDOT Qualified Products List (QPL).

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

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

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

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

5-04.2(1) How to Get an HMA Mix Design on the QPL

If the Contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

5-04.2(1)A Vacant

5-04.2(2) Mix Design - Obtaining Project Approval

No paving shall begin prior to the approval of the mix design by the Engineer.

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

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, 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. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

Nonstatistical Mix Design. Fifteen days prior to the first day of paving the Contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

The mix design shall 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: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for ***0.3 to less than 3.0*** million equivalent single axle loads (ESALs).
- 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), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

Commercial Evaluation Mix Design. Approval of a mix design for "Commercial Evaluation" will be based on a review of the Contractor's submittal of WSDOT Form 350-042 (for commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of ESALs appropriate for the required use.

5-04.2(2)B Using Warm Mix Asphalt Processes

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

Minimum Surface Temperature for Paving

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F

5-04.3(2) Paving Under Traffic

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed, and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements, except the cost of temporary pavement markings, shall be included in the unit Contract prices for the various Bid items involved in the Contract.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

Plants used for the preparation of HMA shall conform to the following requirements:

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.

2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.

3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).

5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:

    a. A mechanical sampling device attached to the HMA plant.

    b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of canvas or other suitable material of sufficient size to protect the mixture from adverse weather. Whenever the weather conditions during the work shift include, or are forecast to include precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect the HMA.

The Contractor shall provide an environmentally benign means to prevent the HMA mixture from adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

5-04.3(3)C Pavers

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.

The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

5-04.3(3)D Material Transfer Device or Material Transfer Vehicle

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, unless otherwise required by the Contract.

Where an MTD/V is required by the Contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown

by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.

2. Shall not be connected to the hauling vehicle or paver.

3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.

2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

5-04.3(4) Preparation of Existing Paved Surfaces

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of

small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be placed or abutted~~; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer~~. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

5-04.3(4)A Crack Sealing

When the Proposal includes a pay item for crack sealing, seal cracks in accordance with Section 5-03.

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

The Contractor shall excavate pavement repair areas and shall backfill these with HMA in accordance with the details shown in the Plans and as marked in the field. The Contractor shall conduct the excavation operations in a manner that will protect the pavement that is to remain. Pavement not designated to be removed that is damaged as a result of the Contractor's operations shall be repaired by the Contractor to the satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall excavate only within one lane at a time unless approved otherwise by the Engineer. The Contractor shall not excavate more area than can be completely finished during the same shift, unless approved by the Engineer.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet.

The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.

5-04.3(5) Producing/Stockpiling Aggregates and RAP

Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

5-04.3(5)A Vacant

5-04.3(6) Mixing

After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping additives have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials is ensured.

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled

asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

5-04.3(7) Spreading and Finishing

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1"	0.35 feet
HMA Class ¾" and HMA Class ½"	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class ⅜"	~~0.15~~0.17 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

The internal temperature of the HMA mixture as measured immediately behind the paver screed should not be less than the minimum Compaction Temperature listed in the Mix Design Submittal Form or that listed in the WSDOT Mix Design Verification Report, whichever is greater.

All underground utilities testing shall be completed, and the installation of the underground utilities shall be accepted by the utility owner prior to placing HMA. All fill and crushed surfacing materials under the HMA pavement shall be placed, compacted and tested according to the Contract Documents prior to placing HMA. The HMA mixture shall be laid upon the prepared surface, spread, and struck off to the grade and elevation established.

The finish surface of the compacted HMA shall not deviate from the design grade in excess of the following:

Specified Depth	Max. Allowable Deviation At any point	Ave. Depth Deviation for entire project
Single lift 0.08 – 0.17'	-0.045'	-0.015'
Multi lift 0.00 – 0.25'	-0.03'	-0.01'
0.26 – 0.50'	-0.045'	-0.015'
0.51 – 0.75'	-0.06'	-0.02'
over 0.75'	-0.075'	-0.025'

5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA

For HMA accepted by nonstatistical evaluation, the aggregate properties of sand equivalent, uncompacted void content, and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

5-04.3(9) HMA Mixture Acceptance

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

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

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 Engineer and may be made in accordance with this section.

HMA Tolerances and Adjustments

1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

   For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

   For Aggregates in the mixture:

   a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1”, ¾”, ½”, and 3/8” sieves	+/- 6%	+/- 8%
No. 4 sieve	+/-6%	+/- 8%
No. 8 Sieve	+/- 6%	+/-8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.

2. **Job Mix Formula Adjustments** – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.

   a. **Aggregates** –2 percent for the aggregate passing the 1½", 1", ¾", ½", ⅜", and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

   b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent.

5-04.3(9)A Vacant

5-04.3(9)B Vacant

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation

HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.

5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 800 tons, whichever is less except that the final sublot will be a minimum of 400 tons and may be increased to 1200 tons.

All of the test results obtained from the acceptance samples from a given lot shall be evaluated collectively. If the Contractor requests a change to the JMF that is approved, the material produced after the change will be evaluated on the basis of the new JMF for the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

Sampling and testing for evaluation shall be performed on the frequency of one sample per sublot.

Sampling and testing for total project quantities less than 400 tons is at the discretion of the engineer. For 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 Engineer's 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(9)C2 Mixture Nonstatistical Evaluation Sampling

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASHTO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are 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. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

- If the test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.

- If test results are found not to be within specification requirements, additional testing of the remaining samples to determine a CPF shall be performed.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing

Testing of HMA for compliance of V_a will at the option of the Contracting Agency. If tested, compliance of V_a will use WSDOT 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 FOP for WAQTC T 27/T 11.

5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors

For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will determine a CPF using the following price adjustment factors:

Table of Price Adjustment Factors	
Constituent	**Factor "f"**
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No. 4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20

Asphalt binder	40
Air Voids (Va) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

5-04.3(9)C5 Vacant

5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments

For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The total job mix compliance price adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

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

5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests

The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, V_a. The results of the retest will be used for the acceptance of the HMA in place of the original sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of $500 per sample.

5-04.3 (9)D Mixture Acceptance – Commercial Evaluation

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated CPF is

less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

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

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item “Roadway Core”, the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item “Roadway Core”, the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor’s request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

Test Results
For a sublot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the sublot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the sublot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the sublot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of $200 per core and the Contractor shall pay for the cost of the traffic control.

5-04.3(10)A HMA Compaction – General Compaction Requirements
Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

Separate breakdown and finish rollers are required. The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks. Approaches shall be compacted with vibratory plates or a small roller if determined necessary by the Engineer.

5-04.3(10)B HMA Compaction - Cyclic Density
Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A $500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

5-04.3(10)D1 HMA Nonstatistical Compaction - Lots and Sublots

HMA compaction which is accepted by nonstatistical evaluation will be based on acceptance testing performed by the Contracting Agency dividing the project into compaction lots.

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 400 tons, whichever is less except that the final sublot will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of 5 tests per sublot per WSDOT T 738.

The sublot locations within each density lot will be determined by the Engineer. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing

The location of the HMA compaction acceptance tests will be randomly selected by the Engineer from within each sublot, with one test per sublot.

5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments

For each compaction lot with one or two sublots, having all sublots attain a relative density that is 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price with no further evaluation. When a sublot does not attain a relative density that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For compaction below the required 92%, a Non-Conforming 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 CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor

may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

5-04.3(11)B Rejection by Contractor

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

5-04.3(11)C Rejection Without Testing (Mixture or Compaction)

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

5-04.3(11)D Rejection - A Partial Sublot

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)E Rejection - An Entire Sublot

An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a minimum of two additional random samples from this sublot will be obtained. These additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)F Rejection - A Lot in Progress

The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

1. When the CPF of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or

3. When either the PF for any constituent or the CPF of a lot in progress is less than 0.75.

5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)
An entire lot with a CPF of less than 0.75 will be rejected.

5-04.3(12) Joints
5-04.3(12)A HMA Joints
5-04.3(12)A1 Transverse Joints
The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly laid mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

5-04.3(12)A2 Longitudinal Joints
The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than ½ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

5-04.3(12)B Bridge Paving Joint Seals
Bridge Paving Joint Seals shall be in accordance with Section 5-03.

5-04.3(13) Surface Smoothness
The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than ⅛ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

1. Removal of material from high places by grinding with an approved grinding machine, or

2. Removal and replacement of the wearing course of HMA, or

3. By other method approved by the Engineer.

Correction of defects shall be carried out until there are no deviations anywhere greater than the allowable tolerances.

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

When utility appurtenances such as manhole covers and valve boxes are located in the traveled way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This requirement may be waived when requested by the Contractor, at the discretion of the Engineer or when the adjustment details provided in the project plan or specifications call for utility appurtenance adjustments after the completion of paving.

Utility appurtenance adjustment discussions will be included in the Pre-Paving and Pre-Planing Briefing (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

5-04.3(14) Planing Bituminous Pavement

The planing plan must be approved by the Engineer and a pre-planing meeting must be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing submittals.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the surface to remove irregularities. The finished product must be a prepared surface acceptable for receiving an HMA overlay.

Use the cold milling method for planing unless otherwise specified in the Contract. Do not use the planer on the final wearing course of new HMA.

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other imperfections. The Contractor must repair any damage to the surface by the Contractor's planing equipment, using an Engineer approved method.

Repair or replace any metal castings and other surface improvements damaged by planing, as determined by the Engineer.

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of

the wedge must be as shown on the Drawings or as specified by the Engineer.

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

After planing is complete, planed surfaces must be swept, cleaned, and if required by the Contract, patched and preleveled.

The Engineer may direct additional depth planing. Before performing this additional depth planing, the Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

5-04.3(14)A Pre-Planing Metal Detection Check

Before starting planing of pavements, and before any additional depth planing required by the Engineer, the Contractor must conduct a physical survey of existing pavement to be planed with equipment that can identify hidden metal objects.

Should such metal be identified, promptly notify the Engineer.

See Section 1-07.16(1) regarding the protection of survey monumentation that may be hidden in pavement.

The Contractor is solely responsible for any damage to equipment resulting from the Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's failure to notify the Engineer of any hidden metal that is detected.

5-04.3(14)B Paving and Planing Under Traffic

5-04.3(14)B1 General

In addition, the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:

    a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

    b. When planing or paving and related construction must occur in an intersection, consider

scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.

c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.

d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.

e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.

3. Permanent pavement marking must comply with Section 8-22.

5-04.3(14)B2 Submittals - Planing Plan and HMA Paving Plan

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.

The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where police officers will be stationed when signalization is or may be, countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing

devices after each day's planing, and paving.

2. A copy of each intersection's traffic control plan.

3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.

4. Names and locations of HMA supplier facilities to be used.

5. List of all equipment to be used for paving.

6. List of personnel and associated job classification assigned to each piece of paving equipment.

7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.

8. Names, job titles, and contact information for field, office, and plant supervisory personnel.

9. A copy of the approved Mix Designs.

10. Tonnage of HMA to be placed each day.

11. Approximate times and days for starting and ending daily operations.

5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:

    a. The actual times of starting and ending daily operations.

b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.

d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.

e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.

f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.

h. Description of how flaggers will be coordinated with the planing, paving, and related operations.

i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.

j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

a. When to start applying tack and coordinating with paving.

b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.

c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.

d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.

e. Number of sublots to be placed, sequencing of density testing, and other sampling and

testing.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

5-04.3(16) HMA Road Approaches

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

5-04.3(17) Protection of Monuments

Monuments that are within cases shall be adjusted as described in the Special Provisions for the bid item Adjusting Valve Boxes/Monument Cases. In areas where pavement planing will occur, the planing shall come to within 0.5 feet of the monument. If the monument has no case, it shall be protected and covered as necessary throughout the planing and paving operations. The new pavement shall match the grade of the existing pavement surface surrounding the monument.

In locations where pavement planing will not occur and survey monuments have no existing casing, the Contractor shall cover the monument with material that will protect the monument from damage. The Contractor shall pave over the protected monument, leaving a 3-inch diameter hole in the paving mat centered over the monument. After paving operations are complete, the Contractor shall coat the sides of the hole and underlying pavement with tack coat. No tack coat shall cover the monument itself.

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

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

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Planing bituminous pavement will be measured by the square yard.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.

"HMA for Approach Cl. ___ PG ___", per ton.

"HMA for Preleveling Cl. ___ PG ___", per ton.

"HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Commercial HMA", per ton.

The unit Contract price per ton for "HMA Cl. ___ PG ___", "HMA for Approach Cl. ___ PG ___", "HMA for Preleveling Cl. ___ PG ___", "HMA for Pavement Repair Cl. ___ PG ___", and "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal. The cost of asphalt for tack coat, preparation of existing surfaces, protection of monuments, temporary striping and removal of existing buttons and all other costs in connection with performing the work in accordance with these requirements shall be included in the unit cost for the HMA bid item of this contract.

"Pavement Repair Excavation Incl. Haul", per square yard.

The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for "HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Asphalt for Prime Coat", per ton.

The unit Contract price per ton for "Asphalt for Prime Coat" shall be full payment for all costs incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).

"Prime Coat Agg.", per cubic yard, or per ton.

The unit Contract price per cubic yard or per ton for "Prime Coat Agg." shall be full pay for furnishing, loading, and hauling aggregate to the place of deposit and spreading the aggregate in the quantities required by the Engineer.

"Planing Bituminous Pavement", per square yard.

The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

"Job Mix Compliance Price Adjustment", by calculation.

"Job Mix Compliance Price Adjustment" will be calculated and paid for as described in Section 5-04.3(9)C6.

"Compaction Price Adjustment", by calculation.

"Compaction Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)D3.

"Roadway Core", per each.

The Contractor's costs for all Work associated with the coring (e.g., traffic control) shall be incidental and included in the unit Bid price per each.

"Cyclic Density Price Adjustment", by calculation.

"Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)B.

BID ITEM 9: CORRUGATED POLYETHYLENE STORM SEWER PIPE, 36-INCH DIAM

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 7-04 and 7-08, except as modified below.

7-04.3 Construction Requirements

(*******)
Add the following to Section 7-08, which is referenced by Section 7-04.3:

7-08.2 Materials

(*******)
Delete the text of Section 7-08.2 and replace with the following:

Materials shall meet the requirements of the following sections:

Gravel Backfill for Pipe Zone Bedding ..... 9-03.9(3), Base Course
Gravel Backfill for Pipe Zone Backfill..... 9-03.9(3), Base Course
Gravel Backfill Above Pipe..... 9-03.9(3), Base Course

7-08.3(2) Laying Pipe

Add the following to Section 7-08.3(2):

(*******)

7-08.3(2)J Beveled Ends

The exposed upstream end of storm sewer pipes or culverts shall be beveled on a 3:1 slope beginning 6 inches above the pipe flow line, or beveled to match the embankment or ditch foreslope, not to exceed 4:1.

(*******)
Delete the second sentence of paragraph one of Section 7-04.4, which begins, "The number of linear..." and replace with the following:

The number of linear feet will be measured from the inside face of drainage structure to the inside face of drainage structure or from the inside face of drainage structure to the end of pipe, as is appropriate.

7-04.5 Payment

(*******)
Delete paragraph two of Section 7-04.5, which begins, "The unit contract price..." and add the following:

The unit contract price per linear foot for storm sewer pipe of the type and size specified shall be full pay for furnishing and installing the pipe. Installation shall include excavation, removal of culverts or structures to be abandoned or replaced, fittings, jointing materials, beveling, bedding and backfilling with crushed surfacing base course to existing grade or subgrade, compaction, and all other items essential for completion of the installation to the required lines and grades.

BID ITEM 10: SHORING OR EXTRA EXCAVATION CLASS B

This bid item shall be accomplished in accordance with the Plans, Standard Specification Section 2-09, Section 7-08, the Revised Code of Washington Chapter 39.04.180, the Washington Administrative Code, Chapter 296-155, Part N, and all referenced or otherwise applicable safety requirements, except as modified below.

7-08.4 Measurement

(*******)
Delete paragraph five of Section 7-08.4 which begins "Shoring or extra excavation...", and replace with the following:

No specific unit of measurement shall apply to the lump sum item of shoring or extra excavation.

7-08.5 Payment

(*******)
Delete the ninth paragraph of Section 7-08.5 which begins "Shoring or Extra Excavation Class B per…", and replace with the following:

"Shoring or Extra Excavation Class B", lump sum.

BID ITEM 11: SEEDING AND MULCHING

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 8-02, except as modified below:

8-02.3 Construction Requirements

8-02.3(9)B Seeding, Fertilizing and Mulching

Section 8-02.3(9)B is supplemented with the following:

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

the project limits.

Kind and Variety of Seed in Mixture	Pounds Pure Live Seed (PLS) Per Acre
Deschampsia elongata **Slender Hairgrass**	0.32
Elymus glaucus **Blue Wildrye**	34.43
Festuca idahonesis **Idaho Fescue**	5.61
Festuca ovina **Sheep Fescue**	0.93
Hordeum brachyantherum **Meadow Barley**	29.71
Koeler cristata **Prairie Junegrass**	0.27
Lolium multiflorum **Annual Ryegrass**	8.73
Total Pounds PLS Per Acre	80.00

Seeds shall be certified "Weed Free", indicating there are not noxious or nuisance weeds in the seed.

Mulching

Wood Cellulose Fiber mulch shall be hydraulically applied at a rate of 2,000 pounds per acre to produce 100% soil coverage.

8-02.4 Measurement
Section 8-02.4 is supplemented with the following:

Seeding and mulching will be measured by the acre by ground slope measurement or through the use of design data.

BID ITEM 12: REMOVING AND RESETTING BEAM GUARDRAIL
This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 8-11.

BID ITEM 13: LIGHT LOOSE RIPRAP

This bid item shall be accomplished in accordance with the Plans and Standard Specification Section 8-15. The bid quantity listed for this item is approximate and is for the purposes of bidding only. Overruns and underruns in this bid item shall not be cause for adjustment in the unit price. Section 1-04.6 "Increased or Decreased Quantities" does not apply to this bid item.

BID ITEM 14: TEMPORARY CREEK DIVERSION

This bid item shall be accomplished in accordance with the Plans and the following Special Provisions Section 8-30.

8-30 TEMPORARY CREEK DIVERSION

8-30.1 Description

This work includes isolating the work area from the creek flow, removing aquatic life from the work area and moving them to other areas of the creek, and dewatering the work area. It also includes maintaining the creek diversion for the duration of the in-water work and removing the creek diversion components at the end of the in-water work. This work must be accomplished during the time allowed by the permits (see appendices). The Contractor shall comply with all requirements of these permits.

8-30.2 Materials

The Contractor is responsible for selecting materials for use in the creek diversion. Materials selected shall be included in the temporary creek diversion plan. Materials used in the creek diversion remain the property of the Contractor throughout the duration of this contract. The Contractor shall remove all materials used for the creek diversion at the time the new permanent creek channel is opened and the existing channel designated for abandonment has been filled and stabilized.

8-30.3 Construction Requirements

8-30.3(1) Temporary Creek Diversion Plan

Prior to any in-water work, the Contractor shall submit and obtain approval for a temporary creek diversion plan. The plan shall include diagrams and narrative describing the sequence of construction of the creek diversion, dewatering the work area, and removal, care and transportation of aquatic life during all phases of in-stream work. The plan shall list the personnel that will be conducting the removal, care and transportation of aquatic life from within the work area. It shall describe the sequence and methods used for the removal, care and transportation of aquatic life from within the work area. Maintenance and repair procedures shall also be included in this plan.

8-30.3(2) Construction and Maintenance of the Temporary Creek Diversion

The Contractor shall construct and maintain the temporary creek diversion in accordance with the approved temporary creek diversion plan and all requirements of the permits included in the appendices. The Contractor shall monitor weather reports throughout the period of in-stream work, and shall inspect the creek diversion daily (including non-working days). The Contractor shall repair any damage to the creek diversion immediately.

A temporary cofferdam consisting of sandbags lined with plastic sheeting shall be placed at the upstream end of the work area to isolate the work area from the creek flow. The creek flow shall be conveyed around the work area through a pipe or by pumping as described in the permits. After the old culvert has been removed and the new culvert has been constructed, the temporary cofferdam shall be gradually removed in order to slowly re-introduce the creek flow and minimize turbidity downstream. Following this, all temporary creek diversion materials shall be carefully removed.

8-30.3(3) Aquatic Life Removal Protocol

For each phase of the creek diversion, all aquatic life within affected creek segments and/or culvert shall be carefully captured and released into the creek outside of the project area in a pool or area which provides some cover and flow refuge. Fish rescue shall be accomplished using seine nets and dip nets until no more fish can be captured. Screened pumps may be used to dewater areas as needed in order to remove all fish and aquatic life. All captured fish shall be kept in 5-gallon buckets filled with creek water until they are released back into the creek. The condition of all fish in the buckets shall be monitored at frequent intervals to minimize the risk of fish mortalities. All fish rescue operations shall be supervised by personnel possessing a Scientific Collection Permit issued by the Washington Department of Fish and Wildlife.

8-30.4 Measurement

No unit of measurement shall apply to the lump sum bid item Temporary Creek Diversion.

8-30.5 Payment

"Temporary Creek Diversion", lump sum.

Payment for Temporary Creek Diversion at the lump sum cost shall be full pay for all materials, equipment, labor and other costs associated with the preparation of the temporary creek diversion plan, construction, maintenance and repair of the temporary creek diversion, conducting all aquatic life removal, care and transportation, and removal of all materials used in the temporary creek diversion following completion of the in-stream work.

(February 26, 2024)
Standard Plans

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01, effective October 23, 2023, is made a part of this contract.

The Standard Plans are revised as follows:

A-10.30

RISER RING detail (Including SECTION view and RISER RING DIMENSIONS table): The RISER RING detail is deleted from the plan.

INSTALLATION detail, SECTION A: The "1/4"" callout is revised to read "+/- 1/4" (SEE CONTRACT ~ Note: The + 1/4" installation is shown in the Section A view)"

A-40.20

Sheet 1, NOTES 1, 2, 3, and 4 are replaced with the following:

1. Use the ½ inch joint details for bridges with expansion length less than 100 feet and for bridges with L type abutments. Use the 1 inch joint details for other applications.
2. Use detail 5, 6, 7 on steel trusses and timber bridges with concrete bridge deck panels.
3. For details 1, 2, 3, and 4, the item "HMA Joint Seal at Bridge End" shall be used for payment. For details 5 and 6, the item "HMA Joint Seal at Bridge Deck Panel Joint" shall be used for payment. For detail 7, the item "Clean and Seal Bridge Deck Panel Joint" shall be used for payment.

Sheet 2, Detail 8 reference to "6-09.3(6)" is revised to read "6-21.3(7)".

A-60.40

Note 2 reference to "6-09.3(6)" is revised to read "6-21.3(7)".

B-90.40

Valve Detail – DELETED

C-60.10

Sheet 1 of 2, Side view, add new callout pointing to the outer edges of the 3" x 12" lifting slots at bottom of barrier. New callout reads "PERMISSIBLE 3/4" CHAMFER."

Sheet 1 of 2, Side view, add 2-inch diameter lifting holes centered 32" from each end of the barrier and 15" from the top face (2 lifting holes total). Add new callout pointing to the new lifting holes. New callout reads "PERMISSIBLE 2" DIAM. LIFTING HOLE"

C-85.11

On Section B, the callout "3" EXPANDED POLYSTYRENE AROUND COLUMN (TYP.)" is revised to read "3" EXPANDED POLYSTYRENE OR POLYETHYLENE FOAM AROUND COLUMN (TYP.)"

D-3.10

Sheet 1, Typical Section, callout – "FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.15" is revised to read; "FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER, SEE CONTRACT PLANS"

Sheet 1, Typical Section, callout – "FOR WALLS WITH F-SHAPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.16" is revised to read; "FOR WALLS WITH F-SHAPE TRAFFIC BARRIER, SEE CONTRACT PLANS"

D-3.11

Sheet 1, Typical Section, callout – ""B" BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16" is revised to read; "B" BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

Sheet 1, Typical Section, callout – "TYPICAL BARRIER ON BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16" is revised to read; "TYPICAL BARRIER ON BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

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-10.30
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.

F-10.18
Note 2, “Region Traffic engineer approval is needed to install a truck apron lower than 3”.” - DELETED

J-10.10
Sheet 4 of 6, “Foundation Size Reference Table”, PAD WIDTH column, Type 33xD=6’ – 3” is revised to read: 7’ – 3”. Type 342LX / NEMA P44=5’ – 10” is revised to read: 6’ – 10”
Sheet 5 of 6, Plan View, “FOR EXAMPLE PAD SHOWN HERE:, “first bullet” item, “-SPACE BETWEEN TYPE B MOD. CABINET AND 33x CABINET IS 6” (IN)” IS REVISED TO READ: “SPACE BETWEEN TYPE B MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6” (IN) (CHANNEL STEEL ADDS ABOUT 5” (IN)”

J-10.16
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.17
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.18
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

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 Concrete Foundation Detail, callout – “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ THREE REQ’D. PER ASSEMBLY” IS REVISED TO READ: “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ FOUR REQ’D. PER ASSEMBLY”
Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.
Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.
Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.
Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.
Detail F, callout, “Heavy Hex Clamping Bolt (TYP.) ~ 3/4” (IN) Diam. Torque Clamping Bolts (see Note 3)” is revised to read; “Heavy Hex Clamping Bolt (TYP.) ~ 3/4” (IN) Diam. Torque Clamping Bolts (see Note 1)”
Detail F, callout, “3/4” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Four Required (See Note 4)” is revised to read; “3/4” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Three Required (See Note 2)”

J-21.15
Partial View, callout, was – LOCK NIPPLE ~ 1 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-40.36
Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-40.37

Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-75.20

Key Notes, note 16, second bullet point, was: “1/2” (IN) x 0.45” (IN) Stainless Steel Bands”, add the following to the end of the note: “Alternate: Stainless steel cable with stainless steel ends, nuts, bolts, and washers may be used in place of stainless steel bands and associated hardware.”

J-75.55

Notes, Note A1, Revise reference, was – G-90.29, should be – G-90.20.

L-5.10

Sheet 1, General Note 8, third sentence – was; “For traffic barrier having no deflection distance, the fence shall be placed a minimum horizontal distance of 3’ – 6’ as measured form the top front face of the barrier.” Is revised to read; “For traffic barrier having no deflection distance, the fence shall be placed a minimum horizontal distance of 2’ – 6” as measured form the top front face of the barrier.”

Sheet 2, Reinforcing Steel Bending Diagram, (mark) B detail, callout – “128 deg.” is revised to read: “123 deg.”, callout – “51 deg.” is revised to read: “57 deg.”

M-40.10

Guide Post Type ~ Reflective Sheeting Applications Table, remove reference - “(SEE NOTE 5)”

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

A-10.10-00 .....8/7/07	A-30.35-00 .....10/12/07	A-50.10-01 .....8/17/21
A-10.20-00 .....10/5/07	A-40.00-01 .....7/6/22	A-50.40-01 .....8/17/21
A-10.30-00 .....10/5/07	A-40.10-04 .....7/31/19	A-60.10-03 .....12/23/14
A-20.10-00 .....8/31/07	A-40.15-00 .....8/11/09	A-60.20-03 .....12/23/14
A-30.10-00 .....11/8/07	A-40.20-04 .....1/18/17	A-60.30-01 .....6/28/18
A-30.30-01 .....6/16/11	A-40.50-03 ..... 9/12/23	A-60.40-00 .....8/31/07
B-5.20-03 .....9/9/20	B-30.50-03 .....2/27/18	B-75.20-03 .....8/17/21
B-5.40-02 .....1/26/17	B-30.60-00 .....9/9/20	B-75.50-02 .....3/15/22
B-5.60-02 .....1/26/17	B-30.40-03 .....2/27/18	B-70.60-01 .....1/26/17
B-10.20-03 .....8/23/23	B-30.70-04 .....2/27/18	B-75.60-00 .....6/8/06
B-10.40-02 .....8/17/21	B-30.80-01 .....2/27/18	B-80.20-00 .....6/8/06
B-10.70-03 .....8/23/23	B-30.90-02 .....1/26/17	B-80.40-00 .....6/1/06
B-15.20-01 .....2/7/12	B-35.20-00 .....6/8/06	B-85.10-01 .....6/10/08
B-15.40-01 .....2/7/12	B-35.40-01 .....8/23/23	B-85.20-00 .....6/1/06
B-15.60-02 .....1/26/17	B-40.20-00 .....6/1/06	B-85.30-00 .....6/1/06
B-20.20-02 .....3/16/12	B-40.40-02 .....1/26/17	B-85.40-00 .....6/8/06
B-20.40-04 .....2/27/18	B-45.20-01 .....7/11/17	B-85.50-01 .....6/10/08
B-20.60-03 .....3/15/12	B-45.40-01 .....7/21/17	B-90.10-00 .....6/8/06

B-25.20-02 .....2/27/18
B-25.60-03 .....8/23/23
B-30.05-00 .....9/9/20
B-30.10-03 .....2/27/18
B-30.15-00 .....2/27/18
B-30.20-04 .....2/27/18
B-30.30-03 .....2/27/18
B-50.20-00 .....6/1/06
B-55.20-03 .....8/17/21
B-60.20-02 .....9/9/20
B-60.40-01 .....2/27/18
B-65.20-01 .....4/26/12
B-65.40-00 .....6/1/06
B-70.20-01 .....3/15/22
B-90.20-00 .....6/8/06
B-90.30-00 .....6/8/06
B-90.40-01 .....1/26/17
B-90.50-00 .....6/8/06
B-95.20-02 .....8/17/21
B-95.40-01 .....6/28/18

C-1 .....9/8/22
C-1b.....10/12/23
C-1d.....10/31/03
C-2c 8/12/19
C-4f.....8/12/19
C-6a 9/8/22
C-7 .....9/8/22
C-7a 9/8/22
C-20.10-09 .....10/12/23
C-20.14-05 .....9/8/22
C-20.15-03 .....10/12/23
C-20.18-04 .....9/8/22
C-20.40-10 .....10/12/23
C-20.41-04 .....8/22/22
C-20.42-06 .....10/12/23
C-20.43-00 .....8/22/22
C-20.45.03.....9/8/22
C-22.16-08 .....10/17/23
C-22.40-10 .....10/16/23
C-22.45-06 .....9/8/22
C-23.70-01 .....10/16/23
C.24.10-04 .....10/16/23
C-24.15-00 .....3/15/22
C-25.20-07 .....8/20/21
C-25.22-06 .....8/20/21
C-25.26-05 .....8/20/21
C-25.30-01 .....8/20/21
C-25.80-05 .....8/12/19
C-60.10-03 .....10/16/23
C-60.15-00 .....8/17/21
C-60.20-01 .....9/8/22
C-60.30-01 .....8/17/21
C-60.40-00 .....8/17/21
C-60.45-00 .....8/17/21
C-60.50-00 .....8/17/21
C-60.60-00 .....8/17/21
C-60.70-01 .....9/8/22
C-60.80-01 .....9/8/22
C-70.15-00 .....8/17/21
C-70.10-04 .....10/16/23
C-75.10-02 .....9/16/20
C-75.20-03 .....8/20/21
C-75.30-03 .....8/20/21
C-80.10-03 .....10/16/23
C-80.20-01 .....6/11/14
C-80.30-02 .....8/20/21
C-80.40-01 .....6/11/14
C-85.10-00 .....4/8/12
C-85.11-01 .....9/16/20
C-85.15-03 .....10/17/23
C-85-18-03.....9/8/22
C-81.10-00 .....9/12/23
C-81.15-00 .....9/12/23

D-2.36-03 .....6/11/14
D-2.46-02 .....8/13/21
D-2.84-00 .....11/10/05
D-2.92-01 .....4/26/22
D-3.09-00 .....5/17/12
D-3.10-01 .....5/29/13
D-3.11-03.....6/11/14
D-4 .....12/11/98
D-6 .....6/19/98
D-10.10-01.....12/2/08
D-10.15-01.....12/2/08
D-10.20-01.....8/7/19
D-10.25-01.....8/7/19
D-10.30-00.....7/8/08
D-10.35-00.....7/8/08
D-10.40-01.....12/2/08
D-10.45-01.....12/2/08
D-20.10-00.....10/9/23

E-1 .....2/21/07
E-2 .....5/29/98
E-4.....8/27/03
E-4a.....8/27/03
E-20.10-00 .....9/12/23
E-20.20-00 .....10/4/23

F-10.12-04.....9/24/20
F-10.16-00.....12/20/06
F-10.18-03.....3/28/22
F-10.40-04.....9/24/20
F-10.42-00.....1/23/07
F-10.62-02 .....4/22/14
F-10.64-03 .....4/22/14
F-30.10-04 .....9/25/20
F-40.12-03 .....6/29/16
F-40.14-03 .....6/29/16
F-40.15-04 .....9/25/20
F-40.16-03 .....6/29/16
F-45.10-04 .....10/16/23
F-80.10-04 .....7/15/16

G-10.10-00 .....9/20/07
G-20.10-03 .....8/20/21
G-22.10-04 .....6/28/18
G-24.50-05.....8/7/19
G-24.60-05.....6/28/18
G-25.10-05.....9/16/20
G-90.10-03.....7/11/17
G-90.20-05.....7/11/17
G-90.30-04.....7/11/17

G-24.10-00 .....11/8/07
G-24.20-01 .....2/7/12
G-24.30-02 .....6/28/18
G-24.40-07 .....6/28/18

G-26.10-00 .....7/31/19
G-30.10-04 .....6/23/15
G-50.10-03 .....6/28/18

G-95.10-02 .....6/28/18
G-95.20-03 .....6/28/18
G-95.30-03 .....6/28/18

H-10.10-00 .....7/3/08
H-10.15-00 .....7/3/08
H-30.10-00 .....10/12/07

H-32.10-00 .....9/20/07
H-60.10-01 .....7/3/08
H-60.20-01 .....7/3/08

H-70.10-02 .....8/17/21
H-70.20-02 .....8/17/21

I-10.10-01.....8/11/09
I-30.10-02.....3/22/13
I-30.15-02.....3/22/13
I-30.16-01.....7/11/19
I-30.17-01.....6/12/19

I-30.20-00 .....9/20/07
I-30.30-02 .....6/12/19
I-30.40-02 .....6/12/19
I-30.60-02 .....6/12/19
I-40.10-00 .....9/20/07

I-40.20-00 .....9/20/07
I-50.20-02 .....7/6/22
I-60.10-01 .....6/10/13
I-60.20-01 .....6/10/13
I-80.10-02 .....7/15/16

J-05.50-00 .....8/30/22
J-10.....7/18/97
J-10.10-04 .....9/16/20
J-10.12-00 .....9/16/20
J-10.14-00 .....9/16/20
J-10.15-01 .....6/11/14
J-10.16-02 .....8/18/21
J-10.17-02 .....8/18/21
J-10.18-02 .....8/18/21
J-10.20-04 .....8/18/21
J-10.21-02 .....8/18/21
J-10.22-03 .....10/4/23
J-10.25-00 .....7/11/17
J-10.26-00 .....8/30/22
J-12.15-00 .....6/28/18
J-12.16-00 .....6/28/18
J-15.10-01 .....6/11/14
J-15.15-02 .....7/10/15
J-20.01-00 .....8/30/22
J-20.10-05 .....10/4/23
J-20.11-03 .....7/31/19
J-20.15-03 .....6/30/14
J-20.16-02 .....6/30/14
J-20.20-02 .....5/20/13
J-20.26-01 .....7/12/12
J-21.10-04 .....6/30/14
J-21.15-01 .....6/10/13
J-21.16-01 .....6/10/13
J-21.17-01 .....6/10/13
J-21.20-01 .....6/10/13
J-22.15-02 .....7/10/15

J-26.20-01 .....6/28/18
J-27.10-01 .....7/21/16
J-27.15-00 .....3/15/12
J-28.01-00 .....8/30/22
J-28.10-02 .....8/7/19
J-28.22-00 .....8/07/07
J-28.24-02 .....9/16/20
J-28.26-01 .....12/02/08
J-28.30-03 .....6/11/14
J-28.40-02 .....6/11/14
J-28.42-01 .....6/11/14
J-28.43-01 .....6/28/18
J-28.45-03 .....7/21/16
J-28.50-03 .....7/21/16
J-28.60-03 .....8/27/21
J-28.70-04 .....8/30/22
J-29.10-02 .....8/26/22
J-29.15-01 .....7/21/16
J-29.16-02 .....7/21/16
J-30.10-01 .....8/26/22
J-40.01-00 .....8/30/22
J-40.05-00 .....7/21/16
J-40.10-04 .....4/28/16
J-40.20-03 .....4/28/16
J-40.30-04 .....4/28/16
J-40.35-01 .....5/29/13
J-40.36-02 .....7/21/17
J-40.37-02 .....7/21/17
J-40.38-01 .....5/20/13
J-40.39-00 .....5/20/13
J-40.40-02 .....7/31/19

J-50.10-01 .....7/31/19
J-50.11-02 .....7/31/19
J-50.12-02 .....8/7/19
J-50.13-01 .....8/30/22
J-50.15-01 .....7/21/17
J-50.16-01 .....3/22/13
J-50.18-00 .....8/7/19
J-50.19-00 .....8/7/19
J-50.20-00 .....6/3/11
J-50.25-00 .....6/3/11
J-50.30-00 .....6/3/11
J-60.05-01 .....7/21/16
J-60.11-00 .....5/20/13
J-60.12-00 .....5/20/13
J-60.13-00 .....6/16/10
J-60.14-01 .....7/31/19
J-75.10-02 .....7/10/15
J-75.20-01 .....7/10/15
J-75.30-02 .....7/10/15
J-75.50-00 .....8/30/22
J-75.55-00 .....8/30/22
J-80.05-00 .....8/30/22
J-80.10-01 .....8/18/21
J-80.12-00 .....8/18/21
J-80.15-00 .....6/28/18
J-81.10-02 .....8/18/21
J-81.12-00 .....9/3/21
J-84.05-00 .....8/30/22
J-86.10-00 .....6/28/18
J-90.10-03 .....6/28/18
J-90.20-03 .....6/28/18

J-22.16-03 .....7/10/15
J-26.10-03 .....7/21/16
J-26.15-01 .....5/17/12

J-45.36-00 .....7/21/17
J-50.05-00 .....7/21/17

J-90.21-02 .....6/28/18
J-90.50-00 .....6/28/18

K-70.20-01.....6/1/16
K-80.10-02.....9/25/20

K-80.32-00 .....8/17/21
K-80.34-00 .....8/17/21

K-80.35-01 .....9/16/20
K-80.37-01 .....9/16/20

L-5.10-01.....7/17/23
L-5.15-00.....9/19/22
L-10.10-02.....6/21/12

L-20.10-03.....7/14/15
L-30.10-02.....6/11/14
L-40.15-01.....6/16/11

L-40.20-02.....6/21/12
L-70.10-01.....5/21/08
L-70.20-01.....5/21/08

M-1.20-04 .....9/25/20
M-1.40-03 .....9/25/20
M-1.60-03 .....9/25/20
M-1.80-03 .....6/3/11
M-2.20-03 .....7/10/15
M-2.21-00 .....7/10/15
M-3.10-04 .....9/25/20
M-3.20-04 .....8/2/22
M-3.30-04 .....9/25/20
M-3.40-04 .....9/25/20
M-3.50-03 .....9/25/20
M-5.10-03 .....9/25/20
M-7.50-01 .....1/30/07
M-9.50-02 .....6/24/14

M-9.60-00 .....2/10/09
M-11.10-04 .....8/2/22
M-12.10-03 .....8/2/22
M-15.10-02 .....7/17/23
M-17.10-02 .....7/3/08
M-20.10-04 .....8/2/22
M-20.20-02 .....4/20/15
M-20.30-04 .....2/29/16
M-20.40-03 .....6/24/14
M-20.50-02 .....6/3/11
M-24.20-02 .....4/20/15
M-24.40-02 .....4/20/15
M-24.60-04 .....6/24/14
M-24.65-00 .....7/11/17

M-24.66-00 .....7/11/17
M-40.10-04 ....10/17/23
M-40.20-00 ....10/12/07
M-40.30-01 .....7/11/17
M-40.40-00 .....9/20/07
M-40.50-00 .....9/20/07
M-40.60-00 .....9/20/07
M-60.10-01 .....6/3/11
M-60.20-03 .....8/17/21
M-65.10-03 .....8/17/21
M-80.10-01 .....6/3/11
M-80.20-00 .....6/10/08
M-80.30-00 .....6/10/08

PREVAILING MINIMUM HOURLY WAGE RATES

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 4/3/2024

County	Trade	Job Classification	Wage	Holiday	Overtime	Note	*Risk Class
Cowlitz	Asbestos Abatement Workers	Journey Level	$54.85	6Z	1M		View
Cowlitz	Boilermakers	Journey Level	$74.29	5N	1C		View
Cowlitz	Brick Mason	Brick Finisher	$45.83	5A	1B		View
Cowlitz	Brick Mason	Caulker-Pointer-Cleaner	$71.24	5A	1B		View
Cowlitz	Brick Mason	Journey Level	$71.24	5A	1B		View
Cowlitz	Building Service Employees	Janitor	$16.28		1		View
Cowlitz	Building Service Employees	Shampooer	$16.28		1		View
Cowlitz	Building Service Employees	Waxer	$16.28		1		View
Cowlitz	Building Service Employees	Window Cleaner	$16.28		1		View
Cowlitz	Cabinet Makers (In Shop)	Journey Level	$16.28		1		View
Cowlitz	Carpenters	Acoustical Worker	$65.45	5A	1B		View
Cowlitz	Carpenters	Bridge & Highway Carpenter	$66.05	5A	1B		View
Cowlitz	Carpenters	Floor Layer And Floor Finishers	$65.45	5A	1B		View
Cowlitz	Carpenters	Journey Level	$65.45	5A	1B		View
Cowlitz	Carpenters	Scaffold/Shoring Erecting & Dismantling	$65.45	7E	4X	8N	View
Cowlitz	Carpenters	Stationary Power Saw	$65.45	5A	1B		View
Cowlitz	Cement Masons	Application of all Composition Mastic	$72.87	15J	4U		View
Cowlitz	Cement Masons	Application of all Epoxy Material	$72.37	15J	4U		View
Cowlitz	Cement Masons	Application of all Plastic Material	$72.87	15J	4U		View
Cowlitz	Cement Masons	Application of Sealing Compound	$72.37	15J	4U		View
Cowlitz	Cement Masons	Application of Underlayment	$72.87	15J	4U		View
Cowlitz	Cement Masons	Building General	$72.37	15J	4U		View
Cowlitz	Cement Masons	Composition or Kalman Floors	$72.87	15J	4U		View
Cowlitz	Cement Masons	Concrete Paving	$72.37	15J	4U		View
Cowlitz	Cement Masons	Curb & Gutter Machine	$72.87	15J	4U		View
Cowlitz	Cement Masons	Curb & Gutter, Sidewalks	$72.37	15J	4U		View

Cowlitz	Cement Masons	Curing Concrete	$72.37	15J	4U		View
Cowlitz	Cement Masons	Finish Colored Concrete	$72.87	15J	4U		View
Cowlitz	Cement Masons	Floor Grinding	$72.87	15J	4U		View
Cowlitz	Cement Masons	Floor Grinding/Polisher	$72.37	15J	4U		View
Cowlitz	Cement Masons	Green Concrete Saw, self-powered	$72.87	15J	4U		View
Cowlitz	Cement Masons	Grouting of all Plates	$72.37	15J	4U		View
Cowlitz	Cement Masons	Grouting of all Tilt-up Panels	$72.37	15J	4U		View
Cowlitz	Cement Masons	Gunite Nozzleman	$72.87	15J	4U		View
Cowlitz	Cement Masons	Hand Powered Grinder	$72.87	15J	4U		View
Cowlitz	Cement Masons	Journey Level	$72.37	15J	4U		View
Cowlitz	Cement Masons	Patching Concrete	$72.37	15J	4U		View
Cowlitz	Cement Masons	Pneumatic Power Tools	$72.87	15J	4U		View
Cowlitz	Cement Masons	Power Chipping & Brushing	$72.87	15J	4U		View
Cowlitz	Cement Masons	Sand Blasting Architectural Finish	$72.87	15J	4U		View
Cowlitz	Cement Masons	Screed & Rodding Machine	$72.87	15J	4U		View
Cowlitz	Cement Masons	Spackling or Skim Coat Concrete	$72.37	15J	4U		View
Cowlitz	Cement Masons	Troweling Machine Operator	$72.87	15J	4U		View
Cowlitz	Cement Masons	Troweling Machine Operator on Colored Slabs	$72.87	15J	4U		View
Cowlitz	Cement Masons	Tunnel Workers	$72.87	15J	4U		View
Cowlitz	Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$117.21	5A	1B		View
Cowlitz	Divers & Tenders	Dive Master	$85.02	5A	1B		View
Cowlitz	Divers & Tenders	Dive Supervisor	$85.02	5A	1B		View
Cowlitz	Divers & Tenders	Diver	$117.21	5A	1B	8V	View
Cowlitz	Divers & Tenders	Diver On Standby	$80.52	5A	1B		View
Cowlitz	Divers & Tenders	Diver Tender	$73.21	5A	1B		View
Cowlitz	Divers & Tenders	Manifold Operator	$73.21	5A	1B		View
Cowlitz	Divers & Tenders	Manifold Operator Mixed Gas	$77.71	5A	1B		View
Cowlitz	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$73.21	5A	1B		View
Cowlitz	Divers & Tenders	Remote Operated Vehicle Tender	$68.34	5A	1B		View
Cowlitz	Dredge Workers	Assistant Engineer	$70.01	5D	1N	8D	View
Cowlitz	Dredge Workers	Assistant Mate (deckhand)	$64.65	5D	1N	8D	View
Cowlitz	Dredge Workers	Boatman (licensed)	$70.01	5D	1N	8D	View
Cowlitz	Dredge Workers	Fill Equipment Operator	$67.35	5D	1N	8D	View
Cowlitz	Dredge Workers	Fireman	$68.52	5D	1N	8D	View
Cowlitz	Dredge Workers	Leverman (hydraulic & Clamshell)	$73.17	5D	1N	8D	View
Cowlitz	Dredge Workers	Mate	$70.01	5D	1N	8D	View
Cowlitz	Dredge Workers	Oiler	$64.65	5D	1N	8D	View
Cowlitz	Dredge Workers	Tenderman (boatman Attending Dredge Plant)	$68.52	5D	1N	8D	View
Cowlitz	Dredge Workers	Welder	$70.01	5D	1N	8D	View

Cowlitz	Drywall Applicator	Journey Level	$65.45	5A	1B		View
Cowlitz	Drywall Tapers	Journey Level	$63.70	7E	1E		View
Cowlitz	Electrical Fixture Maintenance Workers	Journey Level	$25.23		1		View
Cowlitz	Electricians - Inside	Journey Level	$91.09	5A	1B		View
Cowlitz	Electricians - Inside	Journeyman, Welder	$97.32	5A	1B		View
Cowlitz	Electricians - Motor Shop	Craftsman	$16.28		1		View
Cowlitz	Electricians - Motor Shop	Journey Level	$16.28		1		View
Cowlitz	Electricians - Powerline Construction	Cable Splicer	$93.00	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Certified Line Welder	$85.42	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Groundperson	$55.27	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Heavy Line Equipment Operator	$85.42	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Journey Level Lineperson	$85.42	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Line Equipment Operator	$73.35	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Meter Installer	$55.27	5A	4D	8W	View
Cowlitz	Electricians - Powerline Construction	Pole Sprayer	$85.42	5A	4D		View
Cowlitz	Electricians - Powerline Construction	Powderperson	$63.50	5A	4D		View
Cowlitz	Electronic Technicians	Journey Level	$74.89	5A	1B		View
Cowlitz	Elevator Constructors	Mechanic	$111.71	5N	4A		View
Cowlitz	Elevator Constructors	Mechanic In Charge	$120.87	5N	4A		View
Cowlitz	Fabricated Precast Concrete Products	Journey Level	$16.28		1		View
Cowlitz	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$16.28		1		View
Cowlitz	Fence Erectors	Fence Erector	$46.90	6Z	1M		View
Cowlitz	Fence Erectors	Fence Laborer	$46.90	6Z	1M		View
Cowlitz	Flaggers	Journey Level	$50.12	6Z	1M		View
Cowlitz	Glaziers	Journey Level	$73.97	7I	11K		View
Cowlitz	Heat & Frost Insulators And Asbestos Workers	Mechanic	$83.04	5N	1F		View
Cowlitz	Heating Equipment Mechanics	Journey Level	$96.42	7F	1E		View
Cowlitz	Hod Carriers & Mason Tenders	Journey Level	$58.20	5D	1B		View
Cowlitz	Industrial Power Vacuum Cleaner	Journey Level	$16.28		1		View
Cowlitz	Inland Boatmen	Boat Operator	$61.41	5B	1K		View
Cowlitz	Inland Boatmen	Cook	$56.48	5B	1K		View
Cowlitz	Inland Boatmen	Deckhand	$57.48	5B	1K		View
Cowlitz	Inland Boatmen	Deckhand Engineer	$58.81	5B	1K		View
Cowlitz	Inland Boatmen	Launch Operator	$58.89	5B	1K		View
Cowlitz	Inland Boatmen	Mate	$57.31	5B	1K		View

Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	$16.28		1		View
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$16.28		1		View
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$16.28		1		View
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$16.28		1		View
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$16.28		1		View
Cowlitz	Insulation Applicators	Journey Level	$65.45	5A	1B		View
Cowlitz	Ironworkers	Journey Level	$78.11	15K	11N		View
Cowlitz	Laborers	Anchor Machines	$54.85	6Z	1M		View
Cowlitz	Laborers	Application (including Pot Power Tender For Same), Applying Protective Material By Hand Or Nozzle On Utility Lines Or Storage Tanks On Project	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Asbestos Removal	$54.85	6Z	1M		View
Cowlitz	Laborers	Asphalt Plant Laborers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Asphalt Raker	$55.36	6Z	1M		View
Cowlitz	Laborers	Asphalt Spreaders	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Ballast Regulators	$54.85	6Z	1M		View
Cowlitz	Laborers	Batch Weighman	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Bit Grinder	$54.85	6Z	1M		View
Cowlitz	Laborers	Brick Pavers (Dry)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Broomers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Brush (power Saw)	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Brush Burners And Cutters	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Burners	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Car And Truck Loaders	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Carpenter Tender	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Change-house Man Or Dry Shack Man	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Chipping Guns	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Choker Setters	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Choker Splicer	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Chuck Tender	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Clary Power Spreader And Similar Types	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Clean Up Laborers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Clean-up Nozzleman-green-cutter (concrete Rock, Etc.)	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Concrete Crew, Bull Gang	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Concrete Laborers	$54.24	6Z	1M	8S	View

Cowlitz	Laborers	Concrete Nozzlemen	$55.36	6Z	1M		View
Cowlitz	Laborers	Concrete Power Buggyman	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Concrete Saw Operator	$54.85	6Z	1M		View
Cowlitz	Laborers	Concrete Saw Operator (walls)	$55.36	6Z	1M		View
Cowlitz	Laborers	Confined Space / Hole Watch	$50.12	6Z	1M		View
Cowlitz	Laborers	Crusher Feeder	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Curing, Concrete	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Demolition And Wrecking Charred Materials	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Demolition, Wrecking And Moving Laborers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Drill Doctor	$54.85	6Z	1M		View
Cowlitz	Laborers	Drill Operators, Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills And Other Similar Types, Including At Crusher Plants	$55.36	6Z	1M		View
Cowlitz	Laborers	Dry Pack Machine	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Dry Stack Walls	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Dumpers, Road Oiling Crew	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Dumpmen (for Grading Crew)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Elevator Feeders	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Erosion Control Specialist	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Final Clean-up	$50.12	6Z	1M		View
Cowlitz	Laborers	Fine Graders	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Fire Watch	$50.12	6Z	1M		View
Cowlitz	Laborers	Form Strippers (not Swinging Stages)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	General Laborer	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Grade Checker	$55.36	6Z	1M		View
Cowlitz	Laborers	Guard Rail, Median Rail, Reference Post Guide Post, Right-of-way Marker	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Gunite Nozzleman	$55.36	6Z	1M		View
Cowlitz	Laborers	Gunite Nozzleman Tender	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Gunite Or Sand Blasting Pot Tender	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Hand Placed Sand Blasting (wet)	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Handlers Or Mixers Of All Materials Of An Irritating Nature (including Cement & Lime)	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Hazardous Waste Worker	$54.85	6Z	1M		View
Cowlitz	Laborers	High Scalers, Strippers And Drillers Covers Work In Swinging Stages, Chairs Or Belts, Under Extreme Conditions Unusual To Blasting, Barring Down, Or S	$55.36	6Z	1M		View
Cowlitz	Laborers	Jackhammer	$54.24	6Z	1M	8S	View

Cowlitz	Laborers	Laser Beam	$55.36	6Z	1M		View
Cowlitz	Laborers	Laser Beam (pipe Laying) - Applicable When Employee Assigned To Move, Set Up, Align	$55.36	6Z	1M		View
Cowlitz	Laborers	Laser Beam (tunnel) - Applicable When Employee Assigned To Move, Set Up, Align	$55.36	6Z	1M		View
Cowlitz	Laborers	Lead Abatement	$54.85	6Z	1M		View
Cowlitz	Laborers	Leverman Or Aggregate Spreaders (flaherty And Similar Types)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Loading Spotters	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Loop Installation	$55.36	6Z	1M		View
Cowlitz	Laborers	Manhole Building	$54.85	6Z	1M		View
Cowlitz	Laborers	Material Yard Man	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Miner - Tunnel	$55.36	6Z	1M		View
Cowlitz	Laborers	Miner - Tunnel	$55.36	6Z	1M		View
Cowlitz	Laborers	Mold Remediation Or Removal	$54.85	6Z	1M		View
Cowlitz	Laborers	Multiple Tampers	$54.85	6Z	1M		View
Cowlitz	Laborers	Nippers And Timbermen	$54.85	6Z	1M		View
Cowlitz	Laborers	Nuclear Plant Worker - Lead Shield	$54.85	6Z	1M		View
Cowlitz	Laborers	Paving Breakers	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Pilot Car	$50.12	6Z	1M		View
Cowlitz	Laborers	Pipe Doping & Wrapping	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Pipe Layer All Types	$55.36	6Z	1M		View
Cowlitz	Laborers	Pittsburgh Chipper Operator Or Similar Types	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Post Hold Digger, Air, Gas Or Electric	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Pot Tender	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Powderman	$55.36	6Z	1M		View
Cowlitz	Laborers	Powderman Tender	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Power Jacks	$54.85	6Z	1M		View
Cowlitz	Laborers	Power Saw Operators (bucking & Falling)	$54.85	6Z	1M		View
Cowlitz	Laborers	Pressure Washer	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Pumpcrete Nozzleman	$55.36	6Z	1M		View
Cowlitz	Laborers	Railroad Track Laborers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Ribbon Setter, Head	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Ribbon Setters (including Steel Forms)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Rigger/Signal Persion	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Rip Rap Man (hand Placed)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Rip Rap Man (head)	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Road Pump Tender	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Sand Blasting (dry)	$54.85	6Z	1M		View
Cowlitz	Laborers	Scaffold Tender	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Sewer Labor	$53.44	6Z	1M	8T	View

Cowlitz	Laborers	Sewer Timbermen	$54.85	6Z	1M		View
Cowlitz	Laborers	Signalman	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Skipman	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Slopers	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Spraymen	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Stake Chaser	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Stake-setter	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Stockpiler	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Tampers	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Tie Back Shoring	$54.24	6Z	1M	8S	View
Cowlitz	Laborers	Timber Faller And Bucker (hand Labor)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Toolroom Man (at Job Site)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Track Liners	$54.85	6Z	1M		View
Cowlitz	Laborers	Traffic Control Laborer	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Traffic Control Supervisor	$55.36	6Z	1M		View
Cowlitz	Laborers	Tugger Operator	$54.85	6Z	1M		View
Cowlitz	Laborers	Tunnel Bullgang (above Ground)	$55.36	6Z	1M		View
Cowlitz	Laborers	Tunnel Chuck Tenders	$55.36	6Z	1M		View
Cowlitz	Laborers	Tunnel Motorman - Dinky Locomotive	$55.36	6Z	1M		View
Cowlitz	Laborers	Tunnel Muckers, Brakemen	$55.36	6Z	1M		View
Cowlitz	Laborers	Tunnel Powderman	$55.36	6Z	1M		View
Cowlitz	Laborers	Tunnel Shield Operator	$55.36	6Z	1M		View
Cowlitz	Laborers	Vibrating Screed	$54.85	6Z	1M		View
Cowlitz	Laborers	Vibrators (all Types)	$54.85	6Z	1M		View
Cowlitz	Laborers	Water Blaster	$54.85	6Z	1M		View
Cowlitz	Laborers	Weight-man-crusher (aggregate When Used)	$53.44	6Z	1M	8T	View
Cowlitz	Laborers	Welder	$54.85	6Z	1M		View
Cowlitz	Laborers - Underground Sewer & Water	General Laborer and Topman	$55.36	6Z	1M		View
Cowlitz	Laborers - Underground Sewer & Water	Pipe Layer	$55.36	6Z	1M		View
Cowlitz	Landscape Construction	Landscape Operator	$65.93	7B	4G	8U	View
Cowlitz	Landscape Construction	Landscaping or Planting Laborer	$42.62	6Z	1M		View
Cowlitz	Landscape Maintenance	Groundskeeper	$16.28		1		View
Cowlitz	Lathers	Journey Level	$65.25	5A	1B		View
Cowlitz	Marble Setters	Journey Level	$72.24	5A	1B		View
Cowlitz	Metal Fabrication (In Shop)	Fitter	$25.33	7S	1B		View
Cowlitz	Metal Fabrication (In Shop)	Machine Operator	$25.33	7S	1B		View
Cowlitz	Metal Fabrication (In Shop)	Welder	$25.33	7S	1B		View
Cowlitz	Millwright	Journey Level	$75.38	5A	1B		View
Cowlitz	Modular Buildings	Journey Level	$16.28		1		View
Cowlitz	Painters	Bridge Painter	$56.94	7E	11L		View
Cowlitz	Painters	Commercial Painter	$48.86	7E	11L		View

Cowlitz	Painters	Industrial Painter	$50.81	7E	11L	9F	View
Cowlitz	Pile Driver	Journey Level	$66.39	5A	1B		View
Cowlitz	Plasterers	Journey Level	$63.74	5H	1E		View
Cowlitz	Playground & Park Equipment Installers	Journey Level	$16.28		1		View
Cowlitz	Plumbers & Pipefitters	Journey Level	$86.72	5A	1G		View
Cowlitz	Power Equipment Operators	Air Filtration Equipment(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Extrusion Machine Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Paver (screed Man Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Pugmill (any Type) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Raker(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Roller (any Asphalt Mix)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Screed(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Asphalt, Truck Mounted Spreader, With Screed(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Auger Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Back Filling Machine (assistant To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Band Wagons (in Conjuction With Whell Excavator)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bell Man (any Type Of Comunication)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Blade Any Type(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Blade, Robotic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Boatman(group 6)	$62.71	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Boatman, Licensed(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bobcat, Skid Steer (< 1yd) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Boring Machine (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Broom Self-propelled, Construction Job Site(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bulldozer Over 120,000 Lbs And Above(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Bulldozer Robotic Equipment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Cable-plow (any Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Cableway 25 Ton & Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Cableway Up To 25 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Canal Trimmer (grade Oiler Required)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Cat Drill (john Henry)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Cement Pump(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Challenger(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Chip Spreading Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Chippers (asst To Engineer If Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Churn Drill & Earth Boring Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Compactor Self Propelled Without Blade(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Compactor With Blade Self Propelled(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Compactor, Multi-engine(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Compactor, Robotic(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Batch Plant Quality Control(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Breaker (assistant To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Canal Line, Assistant To Engineer Required(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Curing Machine (riding Type)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Diamond Head Profiler(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Paving Road Mixer(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Planer(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete Saw(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Combination Mixer & Compressor Operator, Gunite Work(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Finishing Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Grout Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Grouting Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Joint Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Mixer Mobile(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Mixer Single Drum Any Capacity(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Placing Boom(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Pump Truck(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Pump(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Pumpcrete Operator (any Type)(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Spreader(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Telebelt(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Concrete, Treated Base Roller Operator, Oiling(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Conveyor Operator Or Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Conveyored Material Hauler(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Carry Deck(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Chicago Boom & Similar Types(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	$75.72	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane 400 Ton And Over(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Hydraulic Under 50 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom Under 50 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Tugger(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Whirley 90 Ton And Over (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crane, Whirley Under 90 Ton(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crusher Feederman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crusher Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Crusher Plant(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Deckhand(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Derrick Operator Under 100 Ton (two Operators Required	$67.17	7B	4G	8U	View

		When Swing Control Is Remote From Hoist)(group 4)					
Cowlitz	Power Equipment Operators	Diesel-electric Engineer (plant Or Floating)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Directional Drill Over 20,000 Lbs Pullback(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Cat Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Directional Type Less Than 20,ooo Lbs Pullback(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Doctor And/or (bit Grinder)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Mud Mixer(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill Oscillator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Drill, Directinal Locator(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Elevating Loader Operator (any Type)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Elevator To Move Personnel Or Materials(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Excavator Operator, Over 130,000 Lbs(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Fireman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Fork Lift(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Fork Lift, Over 10 Ton Or Robotic(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Generator Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Grade Checker(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Grade Setter / Layout From Plans(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Grade-all(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Guardrail Punch Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hammer Operator (pile Driver) (group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Heavy Duty Repairman Assistant(group 6)	$62.71	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Heavy Equipment Robotics Operator Or Mechanic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Helicopter Hoist(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Helicopter Radioman (ground) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Helicopter When Used In Erecting Workcrane(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hoist Operator, Single Drum(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hoist, 2 Drums Or More(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydraulic Backhoe Wheel Type (any Make)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydraulic Pipe Press(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydro Axe (loader Mounted Or Similar Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Hydrostatic Pump Operator(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Internal Full Slab Vibrator Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Laser Screed(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Lattice Boom Crane 400 Ton And Over(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Lime Spreader, Construction Job Site(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Loaders, 120,000 Lbs And Above(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Log Skidders(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Master Environmental Maintenance Mechanic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Material Handler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Mechanic, Heavy Duty(group 4)	$67.17	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Parts Man (tool Room)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pavement Grinder And Or Grooving Machine (riding Type) (group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pipe, Cast In Place Pipe Laying Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Plant Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pump (any Power)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Pump Operator, More Than 5 Pumps (any Size)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Ballast Tamper Multi-purpose(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Brakeman, Switchman, Motorman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Car Mover(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Clip Applicator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, High Rail Self Loader Truck(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Lo-railer(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Shuttle Car Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Speedswing(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Switchman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rail, Track Liner(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Remote Controlled Earth Moving Equipment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rigger(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Roller Grading (not Asphalt) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Rubber-tired Dozers And Pushers(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Scraper All Types(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Service Oiler (greaser)(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Side-boom(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Skip Loader, Drag Box(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Stump Grinder (loader Mounted Or Similar Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Surface Heater And Planer(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Sweeper Self-propelled, Construction Job Site(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tar Pot Fireman (power Agitated) Or Not(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck Crane Oiler-driver(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, All Terrain Or Track Type(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Barrel Type(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Boom(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Offraod Trucks, Articulated And Non-articulated Trucks(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Vacuum(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Truck, Water(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tub Grinder(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel Boring Machine Mechanic(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel Boring Machine(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel Segment Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel Separation Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel Shaef Loader(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel, Locomotive, Dinkey(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel, Micro Boring Tunnel Machine(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel, Mucking Machine(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators	Tunnel, Shield Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Underwater Equipment, Remote Or Otherwise(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Vacuum Blasting Machine Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Water Pulls, Water Wagon(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Welder's Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Welder; Heavy Duty, Certified Or Not(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Welding Machine(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Wheel Excavation Any Size (grade Oiler Required)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators	Wire Mat Or Brooming Machine(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Air Filtration Equipment(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Extrusion Machine Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Paver (screed Man Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Pugmill (any Type) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Raker(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roller (any Asphalt Mix)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Screed(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Truck Mounted Spreader, With Screed(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Auger Oiler(group 6)	$62.71	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Back Filling Machine (assistant To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Band Wagons (in Conjuction With Whell Excavator)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bell Man (any Type Of Comunication)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Blade Any Type(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Blade, Robotic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boatman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boatman, Licensed(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bobcat, Skid Steer (< 1yd) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boring Machine (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Broom Self-propelled, Construction Job Site(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 120,000 Lbs And Above(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Robotic Equipment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cable-plow (any Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cableway 25 Ton & Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cableway Up To 25 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Canal Trimmer (grade Oiler Required)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cat Drill (john Henry)(group 4)	$67.17	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cement Pump(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Challenger(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Chip Spreading Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Chippers (asst To Engineer If Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Churn Drill & Earth Boring Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor Self Propelled Without Blade(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor With Blade Self Propelled(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor, Multi-engine(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor, Robotic(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant Quality Control(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Breaker (assistant To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Canal Line, Assistant To Engineer Required(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Curing Machine (riding Type)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Diamond Head Profiler(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Paving Road Mixer(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Planer(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Saw(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	$71.65	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Combination Mixer & Compressor Operator, Gunite Work(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Finishing Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Grout Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Grouting Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Joint Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Mobile(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Single Drum Any Capacity(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Placing Boom(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump Truck(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pumpcrete Operator (any Type)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Spreader(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Telebelt(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Treated Base Roller Operator, Oiling(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Conveyor Operator Or Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Conveyored Material Hauler(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Carry Deck(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Chicago Boom & Similar Types(group 4)	$67.17	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane 400 Ton And Over(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Under 50 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	$75.72	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150'	$71.65	7B	4G	8U	View

		Boom					
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom Under 50 Ton(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Tugger(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley 90 Ton And Over (group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley Under 90 Ton(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Feederman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Plant(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Deckhand(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Diesel-electric Engineer (plant Or Floating)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Directional Drill Over 20,000 Lbs Pullback(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Cat Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Directional Type Less Than 20,ooo Lbs Pullback(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Doctor And/or (bit Grinder)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Mud Mixer(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Oscillator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill, Directinal Locator(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevating Loader Operator (any Type)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevator To Move Personnel Or Materials(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 130,000 Lbs(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fireman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fork Lift(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fork Lift, Over 10 Ton Or Robotic(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Generator Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade Checker(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade Setter / Layout From Plans(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade-all(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hammer Operator (pile Driver) (group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Heavy Duty Repairman Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Heavy Equipment Robotics Operator Or Mechanic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter Hoist(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter Radioman (ground) (group 6)	$62.71	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter When Used In Erecting Workcrane(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist Operator, Single Drum(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist, 2 Drums Or More(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Wheel Type (any Make)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Pipe Press(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydro Axe (loader Mounted Or Similar Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydrostatic Pump Operator(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Internal Full Slab Vibrator Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Laser Screed(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Lattice Boom Crane 400 Ton And Over(group 1)	$77.88	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Lime Spreader, Construction Job Site(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, 120,000 Lbs And Above(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	$70.50	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Log Skidders(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Master Environmental Maintenance Mechanic(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Material Handler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Mechanic, Heavy Duty(group 4)	$67.17	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Parts Man (tool Room)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pavement Grinder And Or Grooving Machine (riding Type) (group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pipe, Cast In Place Pipe Laying Machine(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Plant Oiler(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pump (any Power)(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pump Operator, More Than 5 Pumps (any Size)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Tamper Multi-purpose(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Brakeman, Switchman, Motorman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Car Mover(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Clip Applicator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, High Rail Self Loader Truck(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Lo-railer(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Shuttle Car Operator(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Speedswing(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Switchman(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Track Liner(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Remote Controlled Earth Moving Equipment(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rigger(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Roller Grading (not Asphalt) (group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rubber-tired Dozers And Pushers(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Scraper All Types(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Service Oiler (greaser)(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Side-boom(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Skip Loader, Drag Box(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Stump Grinder (loader Mounted Or Similar Type)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Surface Heater And Planer(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Sweeper Self-propelled, Construction Job Site(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tar Pot Fireman (power Agitated) Or Not(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler-driver(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, All Terrain Or Track Type(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Barrel Type(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Boom(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Offraod Trucks, Articulated And Non-articulated Trucks(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Vacuum(group 5)	$65.93	7B	4G	8U	View

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Water(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tub Grinder(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine Mechanic(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Segment Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Separation Plant(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Shaef Loader(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Locomotive, Dinkey(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Micro Boring Tunnel Machine(group 1)	$73.56	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Mucking Machine(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	$65.93	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Shield Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Underwater Equipment, Remote Or Otherwise(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Vacuum Blasting Machine Operator(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Water Pulls, Water Wagon(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welder's Assistant(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welder; Heavy Duty, Certified Or Not(group 4)	$67.17	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welding Machine(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Wheel Excavation Any Size (grade Oiler Required)(group 2)	$71.65	7B	4G	8U	View
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Wire Mat Or Brooming Machine(group 6)	$62.71	7B	4G	8U	View
Cowlitz	Power Line Clearance Tree Trimmers	Journey Level In Charge	$57.22	5A	4A		View
Cowlitz	Power Line Clearance Tree Trimmers	Spray Person	$54.32	5A	4A		View
Cowlitz	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$57.22	5A	4A		View
Cowlitz	Power Line Clearance Tree Trimmers	Tree Trimmer	$51.18	5A	4A		View
Cowlitz	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$38.99	5A	4A		View

Cowlitz	Refrigeration & Air Conditioning Mechanics	Journey Level	$89.21	5A	1G		View
Cowlitz	Residential Brick Mason	Journey Level	$23.02		1		View
Cowlitz	Residential Carpenters	Journey Level	$26.70		1		View
Cowlitz	Residential Cement Masons	Journey Level	$16.28		1		View
Cowlitz	Residential Drywall Applicators	Journey Level	$36.07		1		View
Cowlitz	Residential Drywall Tapers	Journey Level	$16.28		1		View
Cowlitz	Residential Electricians	Journey Level	$30.53		1		View
Cowlitz	Residential Glaziers	Journey Level	$42.76		1		View
Cowlitz	Residential Insulation Applicators	Journey Level	$28.53		1		View
Cowlitz	Residential Laborers	Journey Level	$53.44	6Z	1M	8T	View
Cowlitz	Residential Marble Setters	Journey Level	$23.02		1		View
Cowlitz	Residential Painters	Journey Level	$48.86	7E	11L		View
Cowlitz	Residential Plumbers & Pipefitters	Journey Level	$51.05		1		View
Cowlitz	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$96.42	7F	1E		View
Cowlitz	Residential Sheet Metal Workers	Journey Level	$96.42	7F	1E		View
Cowlitz	Residential Soft Floor Layers	Journey Level	$58.78	7E	11Q		View
Cowlitz	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$41.11		1		View
Cowlitz	Residential Stone Masons	Journey Level	$23.02		1		View
Cowlitz	Residential Terrazzo Workers	Journey Level	$16.28		1		View
Cowlitz	Residential Terrazzo/Tile Finishers	Journey Level	$36.64		1		View
Cowlitz	Residential Tile Setters	Journey Level	$16.28		1		View
Cowlitz	Roofers	Journey Level	$62.70	5A	3H		View
Cowlitz	Roofers	Using Irritable Bituminous Materials	$65.70	5A	3H		View
Cowlitz	Sheet Metal Workers	Journey Level (Field or Shop)	$96.42	7F	1E		View
Cowlitz	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$83.04	5N	1F		View
Cowlitz	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$83.04	5N	1F		View
Cowlitz	Sign Makers & Installers (Electrical)	Journey Level	$16.88		1		View
Cowlitz	Sign Makers & Installers (Non-Electrical)	Journey Level	$16.28		1		View
Cowlitz	Soft Floor Layers	Journey Level	$64.71	15J	4C		View
Cowlitz	Solar Controls For Windows	Journey Level	$16.28		1		View
Cowlitz	Sprinkler Fitters (Fire Protection)	Journey Level	$73.15	7J	1R		View
Cowlitz	Stage Rigging Mechanics (Non Structural)	Journey Level	$16.28		1		View
Cowlitz	Stone Masons	Journey Level	$71.24	5A	1B		View
Cowlitz	Street And Parking Lot Sweeper Workers	Journey Level	$16.28		1		View
Cowlitz	Surveyors	Chain Person	$62.71	7B	1B	9H	View
Cowlitz	Surveyors	Instrument Person	$65.93	7B	1B	9H	View

Cowlitz	Surveyors	Party Chief	$71.65	7B	1B	9H	View
Cowlitz	Telecommunication Technicians	Journey Level	$74.89	5A	1B		View
Cowlitz	Telephone Line Construction - Outside	Cable Splicer	$40.36	5A	2B		View
Cowlitz	Telephone Line Construction - Outside	Hole Digger/Ground Person	$26.92	5A	2B		View
Cowlitz	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$33.74	5A	2B		View
Cowlitz	Telephone Line Construction - Outside	Telephone Lineperson	$38.15	5A	2B		View
Cowlitz	Terrazzo Workers	Journey Level	$61.27	5A	1B		View
Cowlitz	Tile Setters	Journey Level	$61.27	5A	1B		View
Cowlitz	Tile, Marble & Terrazzo Finishers	Finishers	$45.70	5A	1B		View
Cowlitz	Traffic Control Stripers	Journey Level	$85.52	15N	1K		View
Cowlitz	Truck Drivers	Asphalt Mix Over 10 Yards	$49.39	5A	1B		View
Cowlitz	Truck Drivers	Asphalt Mix To 10 Yards	$49.24	5A	1B		View
Cowlitz	Truck Drivers	Dump Truck	$49.24	5A	1B		View
Cowlitz	Truck Drivers	Dump Truck And Trailer	$49.39	5A	1B		View
Cowlitz	Truck Drivers	Other Trucks	$49.39	5A	1B		View
Cowlitz	Truck Drivers - Ready Mix	Transit Mix 5 cubic yards and under	$49.24	5A	1B		View
Cowlitz	Truck Drivers - Ready Mix	Transit Mix over 11 cubic yards up to 15 cubic yards	$49.85	5A	1B		View
Cowlitz	Truck Drivers - Ready Mix	Transit Mix over 5 cubic yards up to 7 cubic yards	$49.39	5A	1B		View
Cowlitz	Truck Drivers - Ready Mix	Transit Mix Over 7 cubic yards up to 11 cubic yards	$49.54	5A	1B		View
Cowlitz	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$16.28		1		View
Cowlitz	Well Drillers & Irrigation Pump Installers	Oiler	$16.28		1		View
Cowlitz	Well Drillers & Irrigation Pump Installers	Well Driller	$17.97		1		View

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.

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

	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.		X
9.	Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10.	Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11.	Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12.	Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13.	Concrete 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..	X	
14.	Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15.	Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16.	Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

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

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

	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.	X	
35.	Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36.	Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37.	Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38.	Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39.	Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.	X	
40.	Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

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

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

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.]

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Overtime Codes

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

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

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

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

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

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

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.

   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.

   M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double 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.

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.

   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.

   J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

   K. 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 5 am to 6pm 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, and all hours worked in excess of twelve (12) hours in a single shift 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. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

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

C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

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

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

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

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.

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.

I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double 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

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.

S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).

All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus $2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).

U. 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. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, 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 work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

X. 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. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

11. 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 After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

Overtime Codes Continued

11. D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

F. 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-half times the hourly rate of wage 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.

G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm 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, and all hours worked in excess of twelve (12) hours in a single shift 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 nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.

H. 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 5 am to 6pm 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, and all hours worked in excess of twelve (12) hours in a single shift 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 ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

Overtime Codes Continued

11. J. All hours worked on holidays shall be paid at double the hourly rate of wage.

K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.

L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar ($2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half 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.

M. 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.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.

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. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.

Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars ($2.00) per hour.

N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.

Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.

O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Overtime Codes Continued

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.

In the event the job is down due to weather conditions, 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 work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Q. 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 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

R On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

S. The first ten (10) 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, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.

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.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

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).

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).

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).

Holiday Codes Continued

7. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

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.

Holiday Codes Continued

7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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.

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.

V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.

X. 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 the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.

Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.

Holiday Codes Continued

7. Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (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.

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, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). 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.

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, Independence Day, Labor Day, Veteran's 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. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). 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.

N. 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). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Note Codes

8. 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.

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.

V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - $1.00 per foot from entrance. 300' to 600' - $1.50 per foot beginning at 300'. Over 600' - $2.00 per foot beginning at 600'.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

Note Codes Continued

X. 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. Special Shift Premium: Basic hourly rate plus $2.00 per hour.

When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Z. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

9. A. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130' to 199' – $0.50 per hour over their classification rate.
(B) – 200' to 299' – $0.80 per hour over their classification rate.
(C) – 300' and over – $1.00 per hour over their classification rate.

Note Codes Continued

B. 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.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

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.

D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

9. E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. 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.

F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

APPENDICES

The following appendices are hereby provided and are made a part of the Contract Documents. The Contractor shall perform all work in accordance with the plans and specifications subject to the requirements and conditions contained within the Appendices.

Appendix A – Plans
Appendix B – HPA from Washington State Department of Fish and Wildlife
Appendix C – Nationwide Permit 14 from US Army Corps of Engineers
Appendix D – Critical Areas Permits and Shorelines Exemptions from Cowlitz County Department of Building and Planning
Appendix E – Applicable Standard Plans
Appendix F – Topographic Survey

APPENDIX A

Plans

APPENDIX B

HPA from Washington State Department of Fish and Wildlife

HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issued Date: January 24, 2022
Project End Date: January 23, 2027

Permit Number: 2022-5-9+01
FPA/Public Notice Number: N/A
Application ID: 27107

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
Cowlitz County Department of Public Works	Cowlitz County Public Works
ATTENTION: Susan Eugenis	ATTENTION: Roger Maurer
1600 13th Avenue South	1600 S 13th Ave
Kelso, WA 98626	Kelso, WA 98626-2851

Project Name: Kalama River Road Culvert Replacement M.P. 2.04

Project Description: The project will replace an 18" diameter culvert with a 36" diameter culvert.

PROVISIONS

TIMING - PLANS - INVASIVE SPECIES CONTROL

1. TIMING LIMITATION: You may begin the project immediately and you must complete the project by January 23, 2027; provided:

All work below the ordinary high water line must only occur between August 1 and August 31 of a given calendar year.

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 "Kalama River Road Culvert Replacement M.P. 2.04," (APP ID 27107) received December 14, 2021, except as modified by this Hydraulic Project Approval. You must have a copy of these plans and this HPA available on site during all phases of the project construction.

3. INVASIVE SPECIES CONTROL: Follow Method 1 for low risk locations (i.e. clean/drain/dry). Thoroughly remove visible dirt and debris from all equipment and gear (including drive mechanisms, wheels, tires, tracks, buckets, and undercarriage) before arriving and leaving the job site to prevent the transport and introduction of invasive species. For contaminated or high risk sites please refer to the Method 2 Decontamination protocol. Properly dispose of any water and chemicals used to clean gear and equipment. You can find this and additional information in the Washington Department of Fish and Wildlife's "Invasive Species Management Protocols", available online at https://wdfw.wa.gov/species-habitats/invasive/prevention.

NOTIFICATION REQUIREMENTS

4. NOTIFICATION: You, your agent, or contractor must contact the Washington Department of Fish and Wildlife by e-mail at 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. The notification must include the permittee's name, project location, starting date, and the Hydraulic Project Approval permit number.

5. 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

6. 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.

7. Equipment used for this project may operate waterward of the ordinary high water line, provided the drive mechanisms (wheels, tracks, tires, etc.) do not enter or operate waterward of the ordinary high water line.

8. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.

CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

9. Work in the dry watercourse (when no natural flow is occurring in the channel, or when flow is diverted around the job site).

10. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.

11. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.

12. 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.

13. 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.

14. 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.

CONSTRUCTION MATERIALS

15. Use only clean, suitable material as fill material (no trash, debris, car bodies, tires, asphalt, concrete, etc.).

16. Angular rock must be large enough and installed to withstand the 100-year peak flow.

IN-WATER WORK AREA ISOLATION USING A TEMPORARY BYPASS

17. 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.

18. Install a cofferdam or similar device at the upstream and downstream end of the bypass to prevent backwater from entering the work area.

19. If the bypass is a pumped diversion, once started it must run continuously until it is no longer necessary to bypass flows. This requires back-up pumps on-site and twenty-four-hour monitoring for overnight operation.

CULVERT

20. The authorized culvert is a non-fish-passable design.

21. The length of the culvert must not exceed 80 feet. The diameter of the culvert must be 36 inches or greater.

DEMOBILIZATION AND CLEANUP

22. Upon completion of the project, restore the disturbed bed, banks, and riparian zone to preproject condition to the extent possible.

23. 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.

24. Seed areas disturbed by construction activities with a native seed mix suitable for the site that has at least one quick-establishing plant species.

HYDRAULIC PROJECT APPROVAL

Issued Date: January 24, 2022
Project End Date: January 23, 2027

Permit Number: 2022-5-9+01
FPA/Public Notice Number: N/A
Application ID: 27107

25. 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.

LOCATION #1: Site Name: Kalama River Road M.P. 2.04
Kalama River Road, Kalama, WA 98625

WORK START: January 24, 2022 WORK END: January 23, 2027

WRIA	Waterbody:	Tributary to:
27 - Lewis	Unknown Stream Number	Unknown

1/4 SEC:	Section:	Township:	Range:	Latitude:	Longitude:	County:
SW 1/4	33	07 N	01 W	46.044920	-122.822235	Cowlitz

Location #1 Driving Directions

From Interstate 5, take exit 32 and drive east on Kalama River Road for 2.04 miles.

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

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 civil action against you, including, but not limited to, a stop work order or notice to comply, and/or a gross misdemeanor criminal 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.

Issued Date: January 24, 2022
Project End Date: January 23, 2027

Permit Number: 2022-5-9+01
FPA/Public Notice Number: N/A
Application ID: 27107

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. 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. You should allow up to 45 days for the department to process your request.

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 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, and the requestor's signature. Send your written request 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. 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.

HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issued Date: January 24, 2022
Project End Date: January 23, 2027

Permit Number: 2022-5-9+01
FPA/Public Notice Number: N/A
Application ID: 27107

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, PO Box 43234, Olympia, Washington 98504-3234; e-mail to 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 may conduct an informal hearing or review 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.

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, PO Box 43234, Olympia, Washington 98504-3234; e-mail to 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	George.Fornes@dfw.wa.gov		for Director
George Fornes	360-906-6731		WDFW

APPENDIX C

Nationwide Permit 14 from US Army Corps of Engineers

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SEATTLE DISTRICT
4735 EAST MARGINAL WAY SOUTH, BLDG 1202
SEATTLE, WA 98134-2388

Regulatory Branch December 3, 2021

Ms. Susan Eugenis
Cowlitz County Department of Public Works
1600 13th Ave South
Kelso, Washington 98626

Reference: NWS-2021-983
Cowlitz County Department
of Public Works
(Kalama River Road Culvert
Replacement MP 2.04)

Dear Ms. Eugenis:

We have reviewed your application to discharge 4.9 cubic yards (cy) of grout in an abandoned culvert, and install a new 36-inch diameter culvert with discharge of up to 16 cy of riprap below the ordinary high water of an unnamed tributary to the Kalama River near Kalama, Cowlitz County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 14, *Linear Transportation Projects* (Federal Register January 6, 2017, Vol. 82, No. 4), authorizes your proposal as depicted on the enclosed drawings dated September 29, 2021.

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 condition:

a. In order to meet the requirements of the Endangered Species Act you may conduct the authorized activities from August 1 through August 31 in any year this permit is valid. You shall not conduct work authorized by this permit from September 1 through July 31 in any year this permit is valid.

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.

The authorized work complies with the Washington State Department of Ecology's (Ecology) Water Quality Certification (WQC) requirements for this NWP. No further coordination with Ecology for WQC is required.

You have not requested a jurisdictional determination for this proposed project. If you believe the U.S. Army Corps of Engineers does not have jurisdiction over all or portions of your project you may request a preliminary or approved jurisdictional determination (JD). If one is requested, please be aware that we may require the submittal of additional information to complete the JD and work authorized in this letter may not occur until the JD has been completed.

Our verification of this 2017 NWP authorization is valid until March 18, 2022, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work for the 2017 NWP authorization has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2022, you will have until March 18, 2023, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verifications 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.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit*. All compliance reports should be submitted to the U.S. Army Corps of Engineers, Seattle District, Regulatory Branch electronically at nws.compliance@usace.army.mil. 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. Referenced documents and information about our program are available on our website at www.nws.usace.army.mil, select "Regulatory Permit Information". If you have any questions, please contact me at danette.l.guy@usace.army.mil or (206) 348-3999.

Sincerely,

Danette L. Guy, Biologist
Senior Project Manager
Regulatory Branch

Enclosures

cc: Ecology (ecyrefedpermits@ecy.wa.gov)

US Army Corps of Engineers
Seattle District

NATIONWIDE PERMIT 14
Terms and Conditions

Effective Date: March 19, 2017

In addition to any special condition that may be required on a case-by-case basis by the District Engineer, the following terms and conditions must be met, as applicable, for a Nationwide Permit (NWP) authorization to be valid in Washington State.

A. DESCRIPTION OF AUTHORIZED ACTIVITIES

Linear Transportation Projects. Activities required for crossings of waters of the United States associated with the construction, expansion, modification, or improvement of linear transportation projects (e.g., roads, highways, railways, trails, airport runways, and taxiways) in waters of the United States. For linear transportation projects in non-tidal waters, the discharge cannot cause the loss of greater than 1/2-acre of waters of the United States. For linear transportation projects in tidal waters, the discharge cannot cause the loss of greater than 1/3-acre of waters of the United States. Any stream channel modification, including bank stabilization, is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.

This NWP also authorizes temporary structures, fills, and work, including the use of temporary mats, necessary to construct the linear transportation project. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate.

This NWP cannot be used to authorize non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if: (1) the loss of waters of the United States exceeds 1/10-acre; or (2) there is a discharge in a special aquatic site, including wetlands. (See general condition 32.) (Authorities: Sections 10 and 404)

Note 1: For linear transportation projects crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. Linear transportation projects must comply with 33 CFR 330.6(d). Note 2: Some discharges for the construction of farm roads or forest

roads, or temporary roads for moving mining equipment, may qualify for an exemption under section 404(f) of the Clean Water Act (see 33 CFR 323.4). Note 3: For NWP 14 activities that require pre-construction notification, the PCN must include any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings that require Department of the Army authorization but do not require pre-construction notification (see paragraph (b) of general condition 32). The district engineer will evaluate the PCN in accordance with Section D, "District Engineer's Decision." The district engineer may require mitigation to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see general condition 23).

B. CORPS NATIONAL GENERAL CONDITIONS FOR ALL NWPs

To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation. (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States. (c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. (b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management

responsibility for that river. The permittee shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status. (c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: http://www.rivers.gov/.

17. Tribal Rights. No NWP activity may cause more than minimal adverse effects on tribal rights (including treaty rights), protected tribal resources, or tribal lands.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed. Direct effects are the immediate effects on listed species and critical habitat caused by the NWP activity. Indirect effects are those effects on listed species and critical habitat that are caused by the NWP activity and are later in time, but still are reasonably certain to occur. (b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA. (c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that might be affected by the proposed activity or that utilize the designated critical habitat that might be affected by the proposed activity. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have "no effect" on listed species or critical habitat, or until ESA section 7 consultation has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps. (d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs. (e) Authorization of an activity by an NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word "harm" in the definition of "take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required. (g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at http://www.fws.gov/ or http://www.fws.gov/ipac and http://www.nmfs.noaa.gov/pr/species/esa/ respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (a) In cases where the district engineer determines that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied. (b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act. If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106. (c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer

determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect. Where the non-Federal applicant has identified historic properties on which the activity might have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed. (d) For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps. (e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment. (a) Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, and 52 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters. (b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after it is determined that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal: (a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum

extent practicable at the project site (i.e., on site). (b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal. (c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. (d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation to ensure that the activity results in no more than minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)). (e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. Restored riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses. (f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation. (2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f)). (3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation. (4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). (5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan only needs

to address the baseline conditions at the impact site and the number of credits to be provided. (6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs. (h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management. (i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a

road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature: "When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

_____

(Transferee)

_____

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include: (a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions; (b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and (c) The signature of the permittee certifying the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission is not authorized by NWP until the appropriate Corps office issues the section 408 permission to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification. (a) Timing. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not

commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures. For single and complete linear projects, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-Federal permittees, if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed activity or utilize the designated critical habitat that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-Federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the "study river" (see general condition 16); and

(10) For an activity that requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from the Corps office having jurisdiction over that USACE project.

(c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is an NWP PCN and must include all of the applicable information required in paragraphs (b)(1) through (10) of this general condition. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals. (d) Agency Coordination: (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity's adverse environmental effects so that they are no more than minimal. (2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52 activities that require pre-construction notification and will result in the loss of greater than 300 linear feet of stream bed; (iii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iv) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes. (3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame

concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5. (4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act. (5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

District Engineer's Decision: 1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the individual crossings of waters of the United States to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings authorized by NWP. If an applicant requests a waiver of the 300 linear foot limit on impacts to streams or of an otherwise applicable limit, as provided for in NWPs 13, 21, 29, 36, 39, 40, 42, 43, 44, 50, 51, 52, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects. For those NWPs that have a waivable 300 linear foot limit for losses of intermittent and ephemeral stream bed and a 1/2-acre limit (i.e., NWPs 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52), the loss of intermittent and ephemeral stream bed, plus any other losses of jurisdictional waters and wetlands, cannot exceed 1/2-acre. 2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns. 3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters (e.g., streams). The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than

minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer. 4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31, or to evaluate PCNs for activities authorized by NWPs 21, 49, and 50), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

Further Information: 1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP. 2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law. 3. NWPs do not grant any property rights or exclusive privileges. 4. NWPs do not authorize any injury to the property or rights of others. 5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

C. CORPS SEATTLE DISTRICT REGIONAL GENERAL CONDITIONS: The following conditions apply to all NWPs for the Seattle District in Washington State, unless specified.

1. <u>Project Drawings</u>: Drawings must be submitted with pre-construction notification (PCN). Drawings must provide a clear understanding of the proposed project, and how waters of the U.S. will be affected. Drawings must be originals and not reduced copies of large-scale plans. Engineering drawings are not required. Existing and proposed site conditions (manmade and landscape features) must be drawn to scale.

2. <u>Aquatic Resources Requiring Special Protection</u>: Activities resulting in a loss of waters of the United States in mature forested wetlands, bogs and peatlands, aspen-dominated wetlands, alkali

wetlands, vernal pools, camas prairie wetlands, estuarine wetlands, wetlands in coastal lagoons, and wetlands in dunal systems along the Washington coast cannot be authorized by a NWP, except by the following NWPs:

NWP 3 – Maintenance
NWP 20 – Response Operations for Oil and Hazardous Substances
NWP 32 – Completed Enforcement Actions
NWP 38 – Cleanup of Hazardous and Toxic Waste

In order to use one of the above-referenced NWPs in any of the aquatic resources requiring special protection, prospective permittees must submit a PCN to the Corps of Engineers (see NWP general condition 32) and obtain written authorization before commencing work.

3. New Bank Stabilization in Tidal Waters of Puget Sound: Activities involving new bank stabilization in tidal waters in Water Resource Inventory Areas (WRIAs) 8, 9, 10, 11 and 12 (within the areas identified on Figures 1a through 1e on Corps website) cannot be authorized by NWP.

4. Commencement Bay: The following NWPs may not be used to authorize activities located in the Commencement Bay Study Area (see Figure 2 on Corps website):

NWP 12 – Utility Line Activities (substations)
NWP 13 – Bank Stabilization
NWP 14 – Linear Transportation Projects
NWP 23 – Approved Categorical Exclusions
NWP 29 – Residential Developments
NWP 39 – Commercial and Institutional Developments
NWP 40 – Agricultural Activities
NWP 41 – Reshaping Existing Drainage Ditches
NWP 42 – Recreational Facilities
NWP 43 – Stormwater and Wastewater Management Facilities

5. Bank Stabilization: All projects including new or maintenance bank stabilization activities require PCN to the Corps of Engineers (see NWP general condition 32). For new bank stabilization projects only, the following must be submitted to the Corps of Engineers:

a. The cause of the erosion and the distance of any existing structures from the area(s) being stabilized.
b. The type and length of existing bank stabilization within 300 feet of the proposed project.
c. A description of current conditions and expected post-project conditions in the waterbody.
d. A statement describing how the project incorporates elements avoiding and minimizing adverse environmental effects to the aquatic environment and nearshore riparian area, including vegetation impacts in the waterbody.

In addition to a. through d., the results from any relevant geotechnical investigations can be submitted with the PCN if it describes current or expected conditions in the waterbody.

6. Crossings of Waters of the United States: Any project including installing, replacing, or modifying crossings of waters of the United States, such as culverts or bridges, requires submittal of a PCN to the Corps of Engineers (see NWP general condition 32). If a culvert is proposed to cross waters of the U.S. where salmonid species are present or could be present, the project must apply the stream simulation design method from the Washington Department of Fish and Wildlife located in the *Water Crossing Design Guidelines* (2013), or a design method which provides passage at all life stages at all flows where the salmonid species would naturally seek passage. If the stream simulation design method is not applied for a culvert where salmonid species are present or could be present, the project proponent must provide a rationale in the PCN sufficient to establish one of the following:

a. The existence of extraordinary site conditions.

b. How the proposed design will provide equivalent or better fish passage and fisheries habitat benefits than the stream simulation design method.

If a culvert is proposed to cross waters of the U.S. where salmonid species are present or could be present, project proponents must provide a monitoring plan with the PCN that specifies how the proposed culvert will be assessed over a five-year period from the time of construction completion to ensure its effectiveness in providing passage at all life stages at all flows where the salmonid species would naturally seek passage. Culverts installed under emergency authorization that do not meet the above design criteria will be required to meet the above design criteria to receive an after-the-fact nationwide permit verification.

7. Stream Loss: A PCN is required for all activities that result in the loss of any linear feet of stream beds. No activity shall result in the loss of any linear feet of perennial stream beds or the loss of greater than 300 linear feet of intermittent and/or ephemeral stream beds. A stream may be rerouted if it is designed in a manner that maintains or restores hydrologic, ecologic, and geomorphic stream processes, provided there is not a reduction in the linear feet of stream bed. Streams include brooks, creeks, rivers, and historical waters of the U.S. that have been channelized into ditches. This condition does not apply to ditches constructed in uplands. Stream loss restrictions may be waived by the district engineer on a case-by-case basis provided the activities result in net increases of aquatic resource functions and services.

8. Mitigation: Pre-construction notification is required for any project that will result in permanent wetland losses that exceed 1,000 square feet. In addition to the requirements of General Condition 23 (Mitigation), compensatory mitigation at a minimum one-to-one ratio will be required for all permanent wetland losses that exceed 1,000 square feet. When a PCN is required for wetland losses less than 1,000 square feet, the Corps of Engineers may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in minimal adverse effects on the aquatic environment. Compensatory mitigation for impacts to marine waters, lakes, and streams will be determined on a case-by-case basis. If temporary impacts to waters of the U.S. exceed six months, the Corps of Engineers may require compensatory mitigation for temporal effects.

9. Magnuson-Stevens Fishery Conservation and Management Act – Essential Fish Habitat

Essential Fish Habitat (EFH) is defined as those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity. If EFH may be adversely affected by a proposed activity, the prospective permittee must provide a written EFH assessment with an analysis of the effects of the proposed action on EFH. The assessment must identify the type(s) of essential fish habitat (i.e., Pacific salmon, groundfish, and/or coastal-pelagic species) that may be affected. If the Corps of Engineers determines the project will adversely affect EFH, consultation with NOAA Fisheries will be required. Federal agencies should follow their own procedures for complying with the requirements of the Magnuson-Stevens Fishery Conservation and Management Act. If PCN is required for the proposed activity, Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements.

10. Forage Fish: For projects in forage fish spawning habitat, in-water work must occur within designated forage fish work windows, or when forage fish are not spawning. If working outside of a designated work window, or if forage fish work windows are closed year round, work may occur if the work window restriction is released for a period of time after a forage fish spawning survey has been conducted by a biologist approved by the Washington State Department of Fish and Wildlife (WDFW). Forage fish species with designated in-water work windows include Pacific sand lance (*Ammodytes hexapterus*), Pacific herring (*Clupea pallasi*), and surf smelt (*Hypomesus pretiosus*). This RGC does not apply to NWP 48, *Commercial Shellfish Aquaculture Activities*. Please see specific regional conditions for NWP 48.

11. Notification of Permit Requirements: The permittee must provide a copy of the nationwide permit authorization letter, conditions, and permit drawings to all contractors and any other parties performing the authorized work prior to the commencement of any work in waters of the U.S. The permittee must ensure all appropriate contractors and any other parties performing the authorized work at the project site have read and understand relevant NWP conditions as well as plans, approvals, and documents referenced in the NWP letter. A copy of these documents must be maintained onsite throughout the duration of construction.

12. Construction Boundaries: Permittees must clearly mark all construction area boundaries before beginning work on projects that involve grading or placement of fill. Boundary markers and/or construction fencing must be maintained and clearly visible for the duration of construction. Permittees should avoid and minimize removal of native vegetation (including submerged aquatic vegetation) to the maximum extent possible.

13. Temporary Impacts and Site Restoration

a. Temporary impacts to waters of the U.S. must not exceed six months unless the prospective permittee requests and receives a waiver by the district engineer. Temporary impacts to waters of the U.S. must be identified in the PCN.
b. No more than 1/2 acre of waters of the U.S. may be temporarily filled unless the prospective permittee requests and receives a waiver from the district engineer (temporary fills do not affect specified limits for loss of waters associated with specific nationwide permits).
c. Native soils removed from waters of the U.S. for project construction should be stockpiled and used for site restoration. Restoration of temporarily disturbed areas must include returning the area to pre-project ground surface contours. If native soil is not available from the project site for restoration, suitable clean soil of the same textural class may be used. Other soils may be used only if identified in the PCN.
d. The permittee must revegetate disturbed areas with native plant species sufficient in number, spacing, and diversity to restore affected functions. A maintenance and monitoring plan commensurate with the impacts, may be required. Revegetation must begin as soon as site conditions allow within the same growing season as the disturbance unless the schedule is approved by the Corps of Engineers. Native plants removed from waters of the U.S. for project construction should be stockpiled and used for revegetation when feasible. Temporary Erosion and Sediment Control measures must be removed as soon as the area has established vegetation sufficient to control erosion and sediment.
e. If the Corps determines the project will result in temporary impacts of submerged aquatic vegetation (SAV) that are more than minimal, a monitoring plan must be submitted. If recovery is not achieved by the end of the monitoring period, contingencies must be implemented, and additional monitoring will be required.

This RGC does not apply to NWP 48, *Commercial Shellfish Aquaculture Activities*. Please see specific regional conditions for NWP 48.

D. CORPS REGIONAL SPECIFIC CONDITIONS FOR THIS NWP:

1. Private residential driveways in waters of the U.S. with footprints wider than 22 feet or longer than 200 feet are not authorized by this NWP. For this requirement, "footprint" refers to the bottom width of the roadway fill prism.

2. A pre-construction notification must be submitted to the district engineer (see NWP general condition 32) for linear transportation project crossings in tidal waters.

E. ECOLOGY 401 CERTIFICATION: GENERAL CONDITIONS

In addition to all the Corps National and Seattle Districts' Regional permit conditions, the following State General Section 401 Water Quality Certification (Section 401) conditions apply to all Nationwide Permits whether **certified** or **partially certified** in the State of Washington.

1. **For in-water construction activities**. Ecology Section 401 review is required for projects or activities authorized under NWPs that will cause, or may be likely to cause or contribute to an exceedance of a State water quality standard (Chapter 173-201A WAC) or sediment management standard (Chapter 173-204 WAC). State water quality standards and sediment management standards are available on Ecology's website. Note: In-water activities include any activity within a wetland and/or activities below the ordinary high water mark (OHWM).

2. **Projects or Activities Discharging to Impaired Waters**. Ecology Section 401 review is required for projects or activities authorized under NWPs if the project or activity will occur in a 303(d) listed segment of a waterbody or upstream of a listed segment and may result in further exceedances of the specific listed parameter. To determine if your project or activity is in a 303(d) listed segment of a waterbody, visit Ecology's Water Quality Assessment webpage for maps and search tools.

3. **Application**. For projects or activities that will require Ecology Section 401 review, applicants must provide Ecology with a Joint Aquatic Resources Permit Application (JARPA) along with the documentation provided to the Corps, as described in National General Condition 32, Pre-Construction Notification, including, when applicable: (a) A description of the project, including site plans, project purpose, direct and indirect adverse environmental effects the project would cause, best management practices (BMPs), and any other Department of the Army or federal agency permits used or intended to be used to authorize any part of the proposed project or any related activity. (b) Drawings indicating the Ordinary High Water Mark (OHWM), delineation of special aquatic sites and other waters of the state. Wetland delineations must be prepared in accordance with the current method required by the Corps and shall include Ecology's Wetland Rating form. Wetland rating forms are subject to review and verification by Ecology staff. Guidance for determining the OHWM is available on Ecology's website. (c) A statement describing how the mitigation requirement will be satisfied. A conceptual or detailed mitigation or restoration plan may be submitted. See State General Condition 5 for details on mitigation requirements. (d) Other applicable requirements of Corps Nationwide Permit General Condition 32, Corps Regional Conditions, or notification conditions of the applicable NWP. (e) Within 180 calendar days from receipt of applicable documents noted above **and** a copy of the final authorization letter from the Corps providing coverage for a proposed project or activity under the NWP Program Ecology will provide the applicant notice of whether an individual Section 401 will be required for the project. If Ecology fails to act within a year after receipt of **both** of these documents, Section 401 is presumed waived.

4. **Aquatic resources requiring special protection**. Certain aquatic resources are unique, difficult-to-replace components of the aquatic environment in Washington State. Activities that would affect these resources must be avoided to the greatest extent possible. Compensating for adverse impacts to high value aquatic resources is typically difficult, prohibitively expensive, and may not be possible in some landscape settings. Ecology Section 401 review is required for activities in or affecting the following aquatic resources (and not prohibited by Seattle District Regional General Condition): (a) Wetlands with special characteristics (as defined in the Washington State Wetland Rating Systems for western and eastern Washington, Ecology Publications #14-06-029 and #14-06-030):

- Estuarine wetlands.
- Wetlands of High Conservation Value.
- Bogs.
- Old-growth and mature forested wetlands.
- Wetlands in coastal lagoons.
- Interdunal wetlands.

- Vernal pools.
- Alkali wetlands.

(b) Fens, aspen-dominated wetlands, camas prairie wetlands. (c) Marine water with eelgrass (*Zostera marina*) beds (except for NWP 48). (d) Category I wetlands. (e) Category II wetlands with a habitat score ≥ 8 points. This State General Condition does not apply to the following Nationwide Permits: NWP 20 – *Response Operations for Oil and Hazardous Substances,* NWP 32 – *Completed Enforcement Actions*

5. Mitigation. Applicants are required to show that they have followed the mitigation sequence and have first avoided and minimized impacts to aquatic resources wherever practicable. For projects requiring Ecology Section 401 review with unavoidable impacts to aquatics resources, adequate compensatory mitigation must be provided.

(a) Wetland mitigation plans submitted for Ecology review and approval shall be based on the most current guidance provided in Wetland Mitigation in Washington State, Parts 1 and 2 (available on Ecology's website) and shall, at a minimum, include the following:

i. A description of the measures taken to avoid and minimize impacts to wetlands and other waters of the U.S.

ii. The nature of the proposed impacts (i.e., acreage of wetlands and functions lost or degraded).

iii. The rationale for the mitigation site that was selected.

iv. The goals and objectives of the compensatory mitigation project.

v. How the mitigation project will be accomplished, including construction sequencing, best management practices to protect water quality, proposed performance standards for measuring success and the proposed buffer widths.

vi. How it will be maintained and monitored to assess progress towards goals and objectives. Monitoring will generally be required for a minimum of five years. For forested and scrub-shrub wetlands, 10 years of monitoring will often be necessary.

vii. How the compensatory mitigation site will be legally protected for the long term.

Refer to Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans (Ecology Publication #06-06-011b) and Selecting Wetland Mitigation Sites Using a Watershed Approach (Ecology Publications #09-06-032 (Western Washington) and #10-06-007 (Eastern Washington)) for guidance on selecting suitable mitigation sites and developing mitigation plans. Ecology encourages the use of alternative mitigation approaches, including credit/debit methodology, advance mitigation, and other programmatic approach such as mitigation banks and in-lieu fee programs. If you are interested in proposing use of an alternative mitigation approach, consult with the appropriate Ecology regional staff person. Information on alternative mitigation approaches is available on Ecology's website.

(b) Mitigation for other aquatic resource impacts will be determined on a case-by-case basis.

6. Temporary Fills. Ecology Section 401 review is required for any project or activity with temporary fill in wetlands or other waters of the state for more than 90 days, unless the applicant has received written approval from Ecology. Note: This State General Condition does not apply to projects or activities authorized under NWP 33, *Temporary Construction, Access, and Dewatering*

7. Stormwater pollution prevention: All projects that involve land disturbance or impervious surfaces must implement stormwater pollution prevention or control measures to avoid discharge of pollutants in stormwater runoff to waters of the State.

(a) For land disturbances during construction, the applicant must obtain and implement permits (e.g., Construction Stormwater General Permit) where required and follow Ecology's current stormwater manual.

(b) Following construction, prevention or treatment of on-going stormwater runoff from impervious surfaces shall be provided.

Ecology's Stormwater Management and Design Manuals and stormwater permit information are available on Ecology's website.

8. State Section 401 Review for PCNs not receiving 45-day response from the Seattle District. In the event the Seattle District Corps does not issue a NWP authorization letter within 45 calendar days of receipt of a **complete** pre-construction notification, the applicant must contact Ecology for Section 401 review prior to commencing work.

F. ECOLOGY 401 CERTIFICATION: SPECIFIC CONDITIONS FOR THIS NWP:

Certified subject to conditions. Ecology Section 401 review is required for projects or activities authorized under this NWP if:

1. The project or activity impacts more than more than 1/3 acre of waters of the state.

2. The project includes fill related to a residential and/or commercial development.

3. The project or activity is in or adjoining a known contaminated or cleanup site.

G. COASTAL ZONE MANAGEMENT CONSISTENCY RESPONSE FOR THIS NWP:
(Note: This is only applies in the following counties: Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Mason, Pacific, Pierce, San Juan, Skagit, Snohomish, Thurston, Wahkiakum and Whatcom)

Response: Ecology concurs that this NWP is consistent with the CZMP, subject to the following condition: An individual Coastal Zone Management Consistency Determination is required for project or activities under this NWP if State Section 401 review is required.

General Conditions: For Non-Federal Permittees
1. Necessary Data and Information. A Coastal Zone Management Program "Certification of Consistency" form is required for projects located within a coastal county. "Certification of Consistency" forms are available on Ecology's website. The form shall include a description of the proposed project or activity and evidence of compliance with the applicable enforceable policies of the Washington Coastal Zone Management Program (CZMP). Also, a map of the site location is required.
2. Timing. Within 6 months from receipt of the necessary data and information, Ecology will provide a federal consistency determination for the proposed project or activity. If Ecology fails to act within the 6 month period, concurrence with the CZMP is presumed.

General Conditions: For Federal Permittees (Agencies)
1. Necessary Data and Information. Federal agencies shall submit the determination, information, and analysis required by 15 CFR 930.39 to obtain a federal consistency determination.
2. Timing. Within 60 days from receipt of the necessary data and information, Ecology will provide a federal consistency determination for the proposed project or activity. If Ecology fails to act within the 60 day period, concurrence with the CZMP is presumed.

9/29/2021 9:18 AM C:\Users\right\Box\ELS\WA\Cowlitz\County\2054-Cowlitz Co. Public Works\2054.24-Kalama River Road MP 2.04\2054.24-Figures CAD Only\2054.24.dwg right

Latitude: 46.0450°
Longitude: -122.8222°

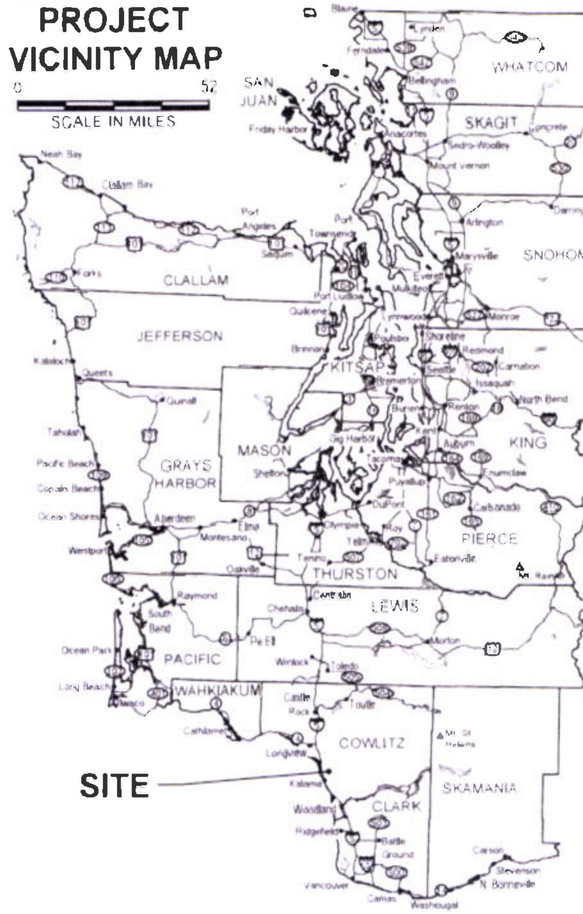
LOCATION MAP

R 1 W

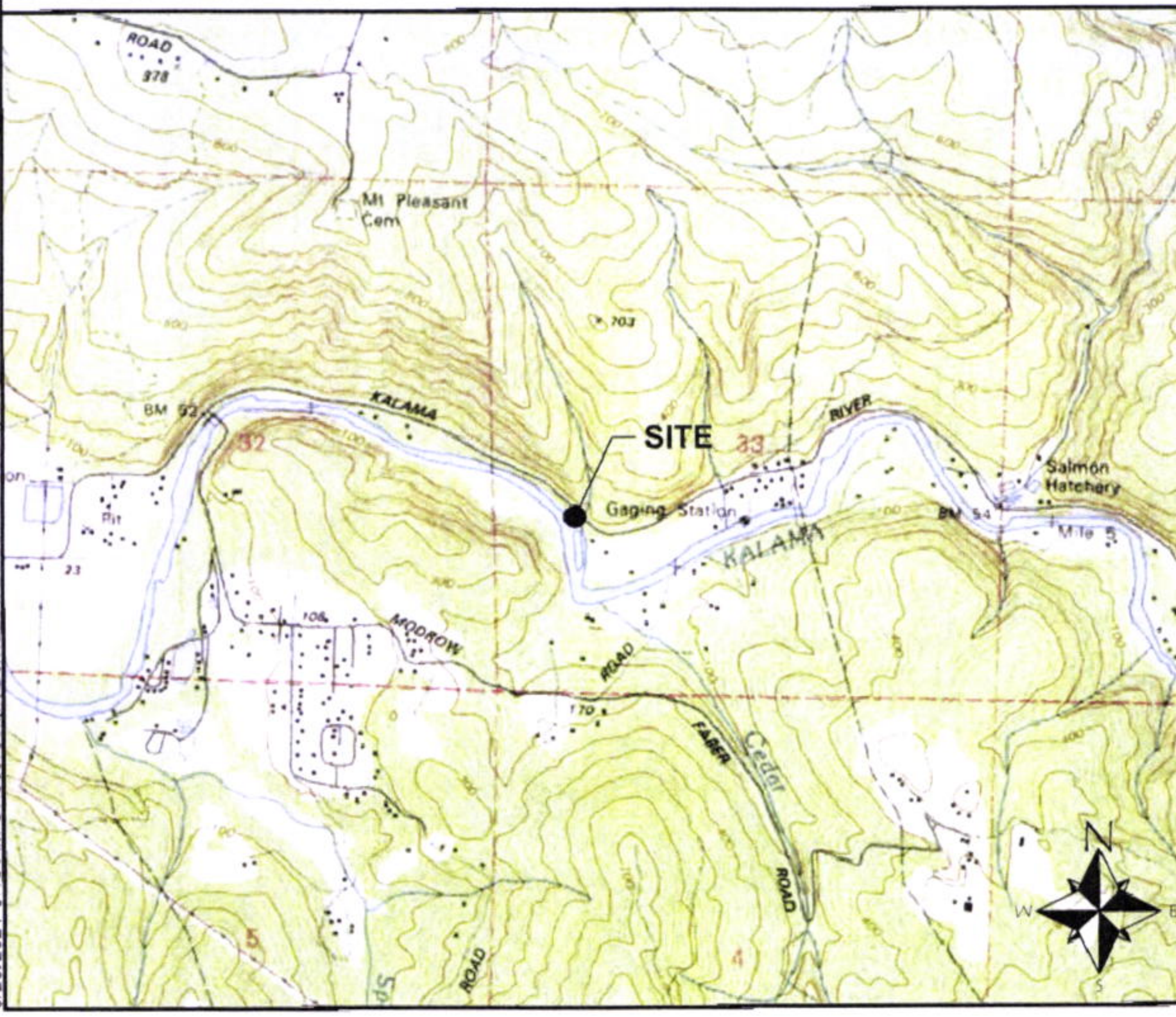
T 7 N

6					1
31		33			36

PROJECT VICINITY MAP



NOTE:
Quadrangle topographic map from USGS.



PROPOSED: Riprap Fill
IN Unnamed Stream
NEAR:
COUNTY: Cowlitz STATE: WA
SHEET 1 OF 4
DATE: 9/29/21

VICINITY MAP
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

NWS-2021-983

PURPOSE: Culvert Repalcement

DATUM: NAD83
ADJACENT PROPERTY OWNERS:
See JARPA

0 2000 4000
SCALE IN FEET

1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

Ecological Land Services

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Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Culvert Repalcement

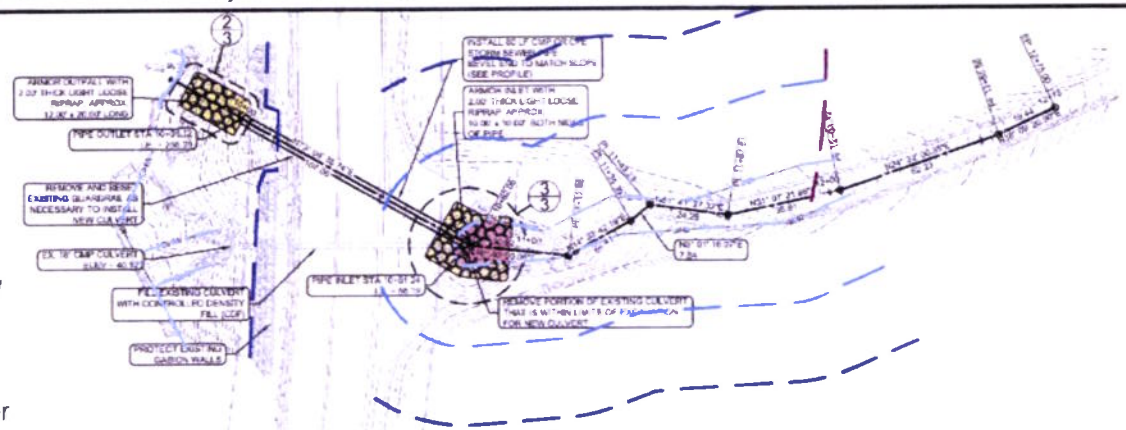
DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

EXISTING CONDITIONS
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

NWS-2021-983

PROPOSED: Riprap Fill

IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 2 **OF** 4
DATE: 9/29/21

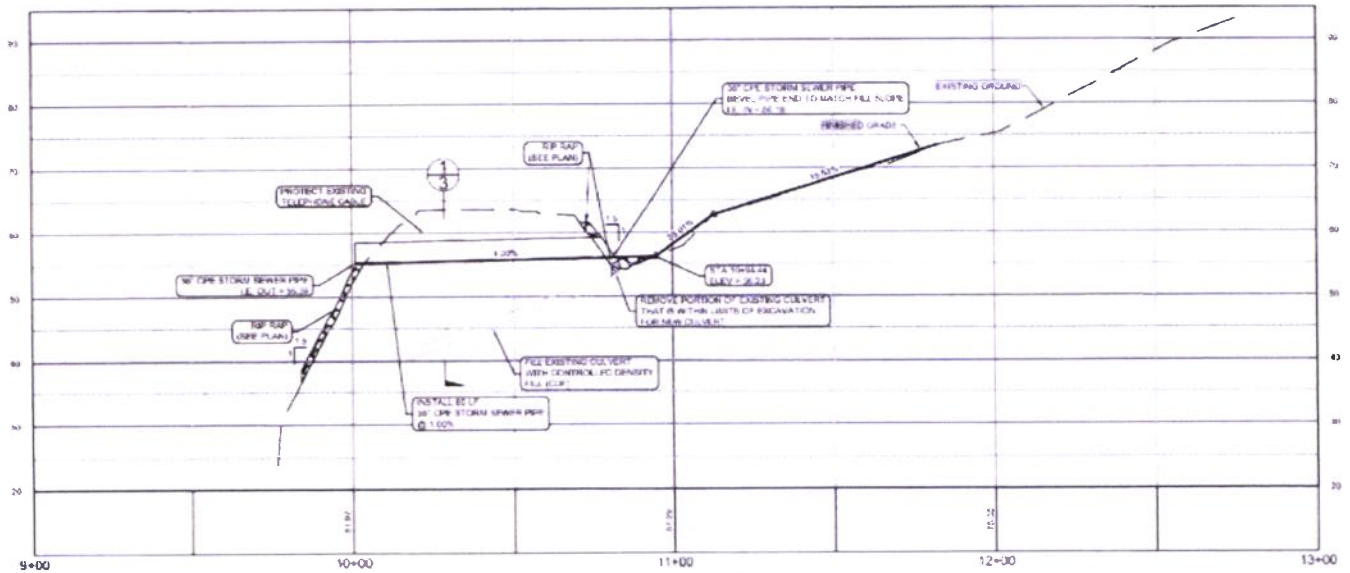


LEGEND:

- Parcel Boundary
- OHWM
- RHA Buffer
- RHA Inner Buffer
- Kalama River Shoreline Jurisdiction
- Permanent Stream Impacts (215 sq.ft.)
- Permanent RHA Impacts (489 sq.ft.)

Discharge up to 4.9 cy of grout and no more than 16 cy of riprap below the OHWM

PLAN



PROFILE

0 60 120

SCALE IN FEET

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Culvert Repalcement

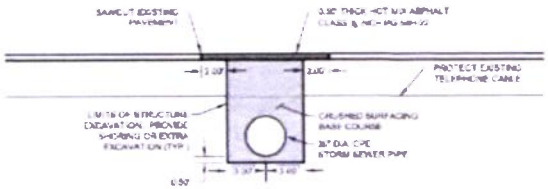
DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

PROPOSED CONDITIONS
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

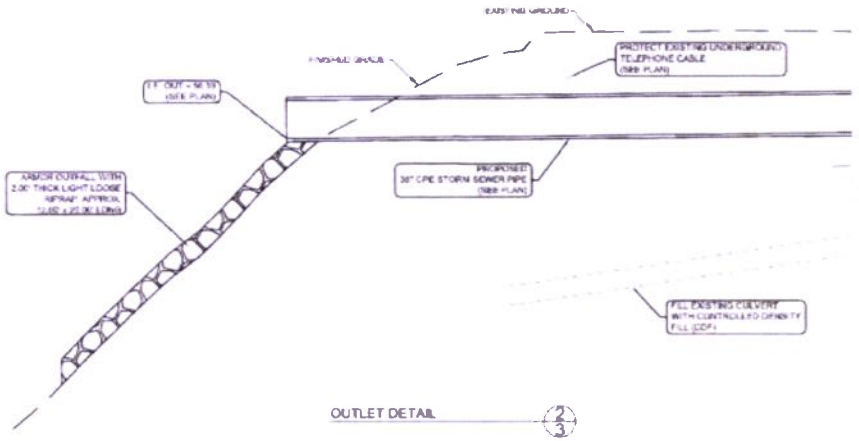
NWS-2021-983

PROPOSED: Riprap Fill

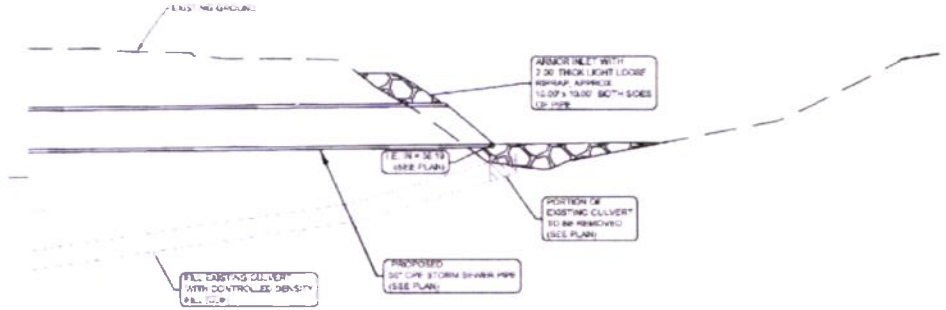
IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 3 **OF** 6xx 4
DATE: 9/29/21



TYPICAL CULVERT SECTION 1/3



OUTLET DETAIL 2/3



INLET DETAIL 3/3

0 15 30

SCALE IN FEET

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone (360) 578-1371

PURPOSE: Culvert Repalcement

DATUM: NAD83

ADJACENT PROPERTY OWNERS: See JARPA

CROSS SECTIONS

APPLICANT: Cowlitz County Public Works

PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04

REFERENCE #: Not Yet Assigned

SITE LOCATION ADDRESS:

NWS-2021-983

PROPOSED: Riprap Fill

IN Unnamed Stream

NEAR:

COUNTY: Cowlitz **STATE:** WA

SHEET 4 **OF** 6XX

DATE: 9/29/21

US Army Corps of Engineers
Seattle District

CERTIFICATE OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT

Permit Number: NWS-_____

Name of Permittee: _____

Date of Issuance: _____

Upon completion of the activity authorized by this permit, please check the applicable boxes below, date and sign this certification, and return it to the following email or mailing address:

NWS.Compliance@usace.army.mil OR

Department of the Army
U.S. Army Corps of Engineers Seattle District, Regulatory Branch
4735 E. Marginal Way S, Bldg 1202
Seattle, Washington 98134-2388

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the terms and conditions of your authorization, your permit may be subject to suspension, modification, or revocation.

☐ The work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of this permit.

Date work complete: _____

☐ Photographs and as-built drawings of the authorized work (OPTIONAL, unless required as a Special Condition of the permit).

☐ If applicable, the mitigation required (e.g., construction and plantings) in the above-referenced permit has been completed in accordance with the terms and conditions of this permit (not including future monitoring).

Date work complete: _____ ☐N/A

☐ Photographs and as-built drawings of the mitigation (OPTIONAL, unless required as a Special Condition of the permit).

☐ Provide phone number/email for scheduling site visits (must have legal authority to grant property access).

Printed Name: _____

Phone Number: _____ Email: _____

Printed Name: _____

Signature: _____

Date: _____

APPENDIX D

Critical Areas Permits and Shorelines Exemptions from Cowlitz County Department of Building and Planning

DEPARTMENT OF BUILDING AND PLANNING

207 Fourth Avenue North
Kelso, WA 98626
TEL (360) 577-3052
FAX (360) 414-5550
www.co.cowlitz.wa.us/buildplan

Board of County Commissioners
Arne Mortensen District 1
Dennis P. Weber District 2
John Jabusch District 3

CRITICAL AREAS PERMIT

Permit Number 0002230-002

Applicant: *Cowlitz County Public Works*
ATTN: Roger Maurer
1600 13th Avenue South
Kelso, WA 98626

Associated Permit Number(s): 0002230-001 (Planning Clearance) 0002230-003 (SEPA)

Project Address: Milepost 2.04 Kalama River Rd, Kalama

Parcel Number(s): WD3309001

Legal Description: 33-7N-1W

Impacted Critical Area(s) Type Np (Fish-Bearing Stream), Shoreline (not within project area), Critical Aquifer Recharge Areas (exempt).

Mitigation Required: No, as outlined in Level II Habitat Assessment

Associated Water Body: Unnamed Type-Np stream

Development Type: Culvert Replacement

Staff Reviewer: Travis Kephart, Assist. Environmental Planner

Issuance Date: January 24th, 2022

Project Description:
Applicant proposes to abandon an existing culvert and install a new culvert in an unnamed, fish-bearing tributary to the Kalama River that passes under the Kalama River Road at milepost (MP) 2.04. Additional critical area on site include Critical aquifer recharge areas (exempt).

Discussion:
The applicant submitted a Level II Habitat Assessment prepared by Ecological Land Services, dated September 29th, 2021, in support of this application. The assessment meets the requirements of CCC 19.15.130 (Fish and

Wildlife Conservations Areas) for the proposed actions. Conclusions and recommendations of the assessment are relied upon for the review and approval of this project. In regards to the mapped wetlands, the ordinary high-water mark of the unnamed tributary was flagged and Ecological Land Services did not find wetlands in the study area.

State Environmental Policy Act [SEPA] Review
In accordance with the Cowlitz County Code (CCC) Chapter 19.15.130 all fish and wildlife habitat conservation areas are required to comply with the State Environmental Policy Act per CC Chapter 19.11. Cowlitz County Issued a Determination of Non-Significance on December 23, 2021 with a 14-day comment period ending January 6, 2022. Comments were received from the Washington State Department of Ecology (ECY), and the Southwest Clean Air Agency. These comments were general in nature. Compliance with SEPA has been achieved.

Riparian Habitat Area: Riparian habitat area was observed by Washington State Department of Fish and Wildlife area habitat biologist, George Fornes. The applicant submitted a Level II Critical Areas Habitat Assessment, prepared by Ecological Land Services dated September 29th, 2021, in support of this application. The assessment meets the requirements of CC 19.15.130 and the conclusions and recommendations of the assessment are relied upon for the review and approval of this project. The assessment outlines this project has little impact on the surrounding riparian habitat," there is only minor additional fill near the existing roadway and culvert." Therefore, the project generally meets riparian management recommendations. Based on the project specific conclusions and proposed mitigation, the critical areas review for the RHA impacts is complete.

Conclusion:
Based on the development recommendations and conclusions of the Habitat Assessment, review for the proposed project is hereby approved, subject to the following conditions of approval:

Conditions of Approval:

1) Development associated with this project must follow the development recommendations, mitigation measures and conclusions contained in the "Habitat Assessment" prepared by Ecological Land Services, dated September 29, 2021.

2) The permittee shall provide a copy of this critical areas permit, conditions, and drawings to all contractors performing any of the authorized work.

3) Representatives from this department shall be allowed to inspect the authorized activity at any time deemed necessary to ensure that the project is being, or has been, accomplished in accordance with the terms and conditions of this permit.

4) All disturbed soils shall be stabilized in a timely manner utilizing best management practices and excess cut/fill shall be disposed of at an approved offsite location.

5) The project will be constructed during the in-water work window specified by WDFW, which is August 1 through 31.

6) The permittee must contact the Building and Planning Department to discuss any substantive plan changes or project modifications prior to implementation.

Sincerely,

Travis Kephart
Environmental Planner

Encl.: Level II Habitat Assessment, Ecological Land Services, September 24, 2021

Ecological Land Services

Level II Habitat Assessment

September 29, 2021

Kalama River Road Culvert Replacement MP 2.04

Cowlitz County, Washington

Prepared by

Ecological Land Services

1157 3rd Avenue, Suite 220A • Longview, WA 98632

(360) 578-1371 • Project Number 2054.24

SIGNATURE

This report was prepared by the undersigned:

Lynn Simpson
Senior Environmental Scientist

TABLE OF CONTENTS

Tables (in text)

Figures and Photoplates (appended)

INTRODUCTION

Cowlitz County Department of Public Works contracted Ecological Land Services, Inc. (ELS) to prepare a Level II Habitat Assessment in accordance with the *Cowlitz County Code (CCC) Chapter 19.15.130 Fish and Wildlife Conservation Areas* (CCC 2019) for proposed actions associated with abandoning an existing culvert and installing a new culvert in an unnamed, non-fish-bearing tributary to the Kalama River that passes under the Kalama River Road at milepost (MP) 2.04 (see Sheet 1). The project is in the Cowlitz County right-of-way of Kalama River Road in Section 33, Township 7 North, and Range 1 West of the Willamette Meridian. The project is at latitude 46.044836 and longitude -122.822160.

Parameters to define the study area are in *CCC 19.15.120(B)(2)(a)*, which for this project is 300 linear feet from each end of the culvert (see Sheets 2, 3, and 4). ELS biologists completed field work for this assessment on June 24, 2021 but were not able to access adjacent private lands. The ordinary high-water mark (OHWM) of the unnamed tributary was flagged and ELS did not find wetlands in the study area.

The Washington Department of Fish and Wildlife (WDFW) area habitat biologist, George Fornes, met onsite with county engineers. His comments are incorporated into this report.

PROJECT DESCRIPTION

This is a Type Np stream, the stream gradient upstream of the Kalama River Road is too steep to place a fish-passable culvert beneath the road, and there is no space upstream of the culvert to create a more gradual culvert slope. There is little anadromous fish habitat above the road because the stream habitat consists of a series of step pools and bedrock-slide obstacles. For these reasons, Mr. Fornes agrees that a non-fish-passable culvert can replace the existing culvert at this location (Fornes, pers. comm. 2021). Stream isolation is necessary to prevent sediment-laden water from entering the Kalama River. However, fish removal methods will not be necessary because there is no suitable habitat for fish.

Stream Isolation Method

Prior to construction, a cofferdam consisting of sandbags and plastic sheeting or an aqua dam will be placed at the upstream end of the work area to dewater the stream. Stream flow will be bypassed through temporary pipes, and pumping may be required, depending on flow rate at time of construction. If groundwater seeps into the work area after the diversion is complete, it will be pumped to vegetated areas within the riparian habitat area (RHA) for infiltration.

After work is complete, a gap in the upstream cofferdam will be opened and slowly increased in size to minimize turbidity until the entire stream bypass is removed. The stream diversion will be in place during the in-water work window for no longer than the one month.

Construction Methods

The project will be constructed during the in-water work window specified by WDFW, which is August 1 through 31 (Fornes, pers. comm. 2021). Construction equipment will include an

excavator, small loader, and line pump. Other equipment used will include haul trucks and hand tools. The existing guard rail will be removed and reset, as necessary.

No woody riparian vegetation will be removed. The project includes installing a new, 36-inch diameter, corrugated polyethylene (CPE) culvert approximately 80 feet long with a different outlet location than the current culvert and a different finished grade near the inlet. A six-foot wide trench will be excavated in roadway fill to place the new culvert. Excavated material will be hauled to a permitted disposal site. Gravel bedding and backfill material will be placed and compacted around the culvert. The roadway surface will be paved with hot mix asphalt.

The riprap pad at the outlet will be armored with about 2 feet of light, loose riprap about 12 feet wide and 20 feet long, and the upstream road slope will be armored with about 2 feet of light, loose riprap 10 feet wide and 10 feet long.

For the project, approximately 489 square feet (44 cubic yards) will be placed landward of the OHWM, and approximately 210 square feet (16 cubic yards) will be placed waterward of the OHWM. The following table summarizes excavation and fill areas and volumes for this project.

Table 1. Fill and Excavation Volumes and Areas.

Material	Waterward of OHWM	Landward of OHWM
Riprap	210 square feet 16 cubic yards (cy)	489 square feet 44 cy
CDF Culvert Fill Material and Grout	---	4.9 cy
Excavation in Roadway Embankment	---	142 cy
Gravel for Pipe Bedding and Fill in Road Prism	---	120 cy

After the new culvert is in place, the stream flow will be diverted into the new culvert. Then, the existing culvert measuring approximately 75 feet long and 1.5 feet in diameter will be abandoned by plugging both ends with grout. At the downstream end, a pipe will be placed through the grout plug to allow controlled density fill (CDF; a self-compacting, cementitious material) to be pumped into the culvert. A fitting will be placed on the pipe, and it will be connected to a line pump. At the upstream end, a pipe with an upturned elbow will be installed as a vent. CDF will then be pumped into the downstream end until CDF is observed at the upstream end, then the CDF will be allowed to harden. Care will be taken to avoid grout and CDF leaks, and they will not be allowed to enter the stream.

Impact Avoidance and Minimization Measures

The project has been designed to avoid and minimize impacts to habitats and species that may potentially occur in the vicinity of the project area. Several design features are proposed in order to avoid and minimize adverse impacts to the aquatic and riparian environment as listed below:

1. Meet the requirements of all environmental permits from local, state, and federal agencies.
2. Work will be conducted within the in-water work window of August 1 through 31 that was determined by WDFW.
3. No equipment will be driven through the stream.

4. Refuel and maintain construction equipment at least 150 feet away from any waterbody.
5. Check for fuel leaks at the beginning of each construction day.
6. CDF material and grout used for filling the existing culvert will not be allowed to enter the stream. A BMP such as silt fence, wattle or straw bale will be installed, if appropriate for this location.
7. Stabilize disturbed areas with hydroseeding or rock, and remove temporary BMPs after soils have stabilized.
8. Regularly inspect and maintain the road, banks, and culvert.

The applicant proposes that no mitigation is warranted for this project that has only 0.005 acres of impact waterward of the OHWM. With avoidance and minimization measures, there will be no effects to aquatic species because this is a Type Np stream, and there are no anticipated effects in the Kalama River. Minor RHA impacts will occur near the culvert where there is currently no woody vegetation and very little habitat value.

SITE DESCRIPTION

Kalama River Road is paved, and its rights-of-way are graveled, engineered embankments. A gabion wall is located on the south side of the road (downstream) and the top of it is 43 feet above the water level of the Kalama River. The river is about 30 feet south of the end of the existing culvert. Vegetation north of the road (upstream) is a forested slope, and this parcel is undeveloped. South of the road is a steep, forested slope.

The culvert is on an unnamed, Type Np stream (non-fish-bearing stream) according to the area habitat biologist (Fornes, pers. comm. 2021). Downstream of the road, the stream width between the OHWMs is about 5 feet. Substrate consists of mostly of cobbles and larger rocks with some gravel. The stream's watershed is small, and the stream flow during the site visit was low. Riparian vegetation provides tree-canopy coverage, with shrubs and emergent vegetation also shading most of the stream. Most of the plant species are native, with some Himalayan blackberries. There is some large wood along the streambanks, which are not eroding.

Upstream of the road, the stream width between the OHWMs varied between about 5 to 8 feet. The gradient is generally 15 to 20 percent, and the intermittent bedrock slides have a steeper gradient. Other substrate is mostly cobbles and larger rocks. Riparian vegetation provides tree canopy coverage, with shrubs and emergent vegetation also shading most of the stream. Most of the plant species are native, with some Himalayan blackberries. There is some large wood along the streambanks, which are not eroding; some portions of the banks are undercut.

Online WDFW *SalmonScape* mapping shows that no salmon, steelhead, or bull trout use this stream (WDFW 2021b). However, *SalmonScape* shows the Kalama River as having these listed fish species.

FIELD METHODOLOGY

OHWM Determination

In order to define Waters of the State, OHWMs in the project area were determined using standard methodology as described in the Ecology manual: *Determining the Ordinary High Water Mark on Streams in Washington State* (Olson and Stockdale 2010). The indicators used to determine the OHWM included exposed soils, sediment and wrack deposits, transitions in vegetation, and breaks in topography. ELS flagged the OHWM in the project area using consecutively numbered fluorescent, tape flagging, and flag locations were surveyed by a professional survey crew.

Wetland Determination

ELS follows the Routine Determination Method developed by the U.S. Army Corps of Engineers (Corps) for wetland delineation (Environmental Laboratory 1987, Corps 2010), which examines vegetation, soils, and hydrology to determine if wetland is present. EPA defines wetlands as "...areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." When present, wetlands are regulated by the Corps as "Waters of the United States", by Ecology as "Waters of the State", and locally by Cowlitz County. ELS did not locate wetlands within the areas near the stream.

LISTED SPECIES AND PRIORITY HABITATS IN THE PROJECT VICINITY

This fish and wildlife habitat assessment will address the species and habitats present within the project's study area according to *CCC 19.15.130*, which lists eight classifications of fish and wildlife habitat. The project vicinity has Classification 1 (areas with which federal or state designated endangered, threatened, or sensitive species have a primary association.) Classification 2 (state priority habitats and areas associated with state priority species), and Classification 5 (Waters of the State, which includes Type S, Type F, Type Np, and Type Ns streams). All of the other classifications listed in the table are not present and will not be discussed further in this assessment (Classifications 3, 4, 6, 7, and 8).

Streams

The unnamed stream is not a considered "Shoreline of the State" by Cowlitz County (Table *CCC 19.15.130-A*). However, the project is within 200 feet of the Kalama River OHWM, so the project site is within shoreline jurisdiction. The Kalama River is about 30 feet south of the project area, and is a Shoreline of the State (Type S), which requires a 150 foot RHA in Rural Conservancy areas (Cowlitz County SMP Table 7-2). According to *CCC Table 19.15.130-B,* Type Np waters are 50 feet wide. The following table summarizes streams and RHAs in the study area.

Table 2. Summary of Streams and Buffers.

Critical Area	Stream Type[1]	Standard RHA Width
Unnamed Stream	**Type Np**	50 feet[2]
Kalama River	**Type S**	150 feet[2]
		200-foot Shoreline jurisdiction[3]

1 = WDNR 2021a.
2 = CCC TABLE 19.15.130-B
3 = SMP TABLE 7-2

Inner and outer RHAs for this project are defined in the Cowlitz Shoreline Master Program because the project is within the shoreline jurisdiction of the Kalama River. The inner RHA is 75% of the buffer width and the outer RHA is 25%. For this project, the Kalama River inner RHA is measured 112.5 feet from the OHWM and the outer RHA is 112.5 to 150 feet from the OHWM. Because Kalama River Road is close to the river, the RHA is functionally isolated at the base of the gabion wall.

Suitable Habitat for Fish and Wildlife

The following table includes state priority habitats and federally listed or state-listed species as well as state sensitive species that have a primary association with habitat within 300 feet of disturbance areas. The list was compiled using the most recent state and federal species lists (WDFW 2021a, 2021b, 2021c; WDNR 2021b; NMFS 2021; and USFWS 2021). The following table lists the species that have suitable habitat in the project vicinity.

Table 3. Endangered, Threatened, Candidate, and Sensitive Species and Priority Habitat that have Primary Association with Habitat on or Adjacent to the Study Area.

Species or State Priority Habitat	State Status	Federal Status
Fish		
Chinook Salmon (*Onchorhynchus tshawytscha*)	Candidate	Threatened
Chum Salmon (*Onchorhynchus keta*)	Candidate	Threatened
Coho Salmon (*Onchorhynchus kisutch*)	Candidate	Threatened
Steelhead (*Onchorhynchus mykiss*)	Candidate	Threatened
River Lamprey (*Lampetra ayresi*)	Candidate	Species of Concern
Birds		
Northern Goshawk (*Accipiter gentilis*)	Candidate	Species of Concern
Vaux's Swift (*Chaetura vauxi*)	Candidate	None
Slender-billed, White-Breasted Nuthatch (*Sitta carolinensis*)	Candidate	Species of Concern
Mammals		
Townsend's Big-Eared Bat (*Corynorhinus townsendii*)	Candidate	Species of Concern

Species or State Priority Habitat	State Status	Federal Status
Amphibians		
Western Toad (*Anaxyrus boreas)*	Candidate	None
Plants		
Western Wahoo (*Euonymus occidentalis var. occidentalis*)	Sensitive	None
Loose-Flowered Bluegrass (*Poa laxiflora*)	Sensitive	None
Soft-Leaved Willow (*Salix sessilifolia*)	Sensitive	None
Priority Habitats		
Instream	Priority Habitat	Not applicable
Riparian	Priority Habitat	Not applicable

The WDFW *SalmonScape* website shows that the Kalama River has all fish species listed in the table above (WDFW 2021b). However, *SalmonScape* indicates no presence of fish species in the table in the unnamed stream. ELS and WDFW personnel agree that there is no suitable habitat in the unnamed stream for listed salmon and steelhead.

ELS recorded observations of surrounding topography, wildlife use, and habitat functions in the study area according to *CCC 19.15.130(C)*. Birds, bats, western toad, and plants listed in the table could occur in the project vicinity because there is suitable habitat at or near the project site. ELS did not observe these species during the site visit, and none are mapped in or adjacent to the study area by sources listed above. However, animals and fish may not have been present during the site visit and a botanical survey has not been performed, so some of the smaller plants and plants that were not flowering may not have noticed. These species may use suitable habitat in the study area; therefore, it must be assumed that they could currently be present, as well as during and after project construction.

MANAGEMENT RECOMMENDATIONS

Effects to species are generally avoided or minimized if the project meets management recommendations that are discussed below.

Salmon and Steelhead

Federal

The Lower Columbia Salmon Recovery and Fish and Wildlife Subbasin Plan (LCFRB 2010) is being used as a recovery plan for salmon and steelhead by the National Marine Fisheries Service. This plan gives the following key recovery priorities in the lower Cowlitz subbasin to attain recovery of listed salmon and steelhead:

1. Manage regulated stream flows through the hydropower system.
2. Restore floodplain function, riparian function, and stream habitat diversity.
3. Protect intact forest in headwater basins.
4. Manage growth and development to protect watershed processes and habitat conditions.
5. Address immediate risks with short-term habitat fixes.

6. Manage forest lands to protect and restore watershed processes.
7. Restore passage at culverts and other artificial barriers.
8. Align hatchery priorities consistent with conservation objectives.
9. Manage fishery impacts so they do not impede progress toward recovery.
10. Reduce out-of-subbasin impacts so that the benefits of in-basin actions can be realized.

This project is limited in scope. These items either do not apply to this project or cannot be met within the limited area of this project.

State

WDFW does not have specific documents that have a short list of management recommendations for salmon; however, they do provide them for rainbow trout/steelhead (Rodrick and Milner 1991). Steelhead and salmon have similar life histories and habitat needs, so they are expected to be similar, if not identical. The following are management recommendations for steelhead:

1. Buffer zones of at least the width of the height of the tallest tree should be maintained along stream banks, which provide rainbow trout and steelhead habitat, and any other stream which directly or indirectly influences rainbow trout and steelhead habitat.
2. Road construction and maintenance activities should be avoided adjacent to streams which provide rainbow trout and steelhead habitat.
3. Instream structures, such as bridges, piers, boat ramps, or culverts must not impede the natural movements of rainbow trout and steelhead.
4. Waters inhabited by steelhead parr should not be treated with metal-based herbicides during the period March 1 through June 15.

This project replaces a culvert on a non-fish-bearing stream, will not require tree cutting, and has little to no impact on the surrounding riparian habitat. No herbicides are proposed. This road maintenance activity must take place to avoid roadway failure that would be more harmful to the environment than taking no action. For these reasons, the project meets steelhead management recommendations.

River Lamprey

WDFW has not provided management recommendations for river lamprey. In our professional opinion, management recommendations would be similar to those for salmon and steelhead. Because management recommendations for salmon and steelhead are not applicable to this project, they are unlikely applicable to river lamprey.

Western Toad

WDFW has not provided management recommendations for western toads.

Northern Goshawk

WDFW has provided the following management recommendations for northern goshawks (Larsen et al 2004):

- Minimize human disturbance in active nest areas between March 1 and September 30.
- Retain an average canopy closure of 70 to 80 percent and maintain forest in late stages of forest development.

- In nest-area clusters, limit all overstory or regeneration harvest and increase harvest rotation length.
- Retain large-diameter snags and downed logs in foraging areas for prey.
- Thin young tree stands.

Active nest areas are in mature forests, which could occur within 300 feet of this project. However, forested areas will not be affected by the project. Therefore, this project meets management recommendations.

Vaux's Swift
WDFW has the following management recommendations for Vaux's swifts (WDFW 2005):

General Forest Management
- Protect existing old-growth, managed forest stands on long rotations (>200 years), and retain large hollow snags and live trees intended for future snag replacement in harvest units [preferably >20" in diameter].
- Retain large defective trees, especially those showing signs of decay such as top rot, broken tops, fungal conks, dead branch stubs, or other defects.

General Residential Management
- Avoid disturbing chimneys occupied by nesting or roosting Vaux's swifts between early May through September.
- Traditional old brick chimney designs are preferred over newer insulated pipe chimneys by nesting and roosting swifts.

Insecticide Applications
- Avoid use of all insecticide in or near nests and roosts. Organochlorine, organophosphate, and carbamate insecticides are especially toxic to birds.
- Appropriate buffer widths for insecticide application near sensitive riparian and wetland areas range from 100-1,640'.
- Maintain a buffer of 1,640' from snag-rich areas when spraying insecticides.
- If pesticides are to be used in areas inhabited by swifts, refer to wdfw.wa.gov/hab/phs/vol4/appndxa.pdf for useful contacts to assess the use of pesticides, herbicides, and their alternatives.

This project does not include applying pesticides. Therefore, the project meets these management recommendations.

Slender-Billed, White-Breasted Nuthatch
WDFW has not provided management recommendations for this species.

Townsend's Big-Eared Bat
WDFW management recommendations that do not include cave, mine, bridges, or old buildings (Azerrad 2004):
- Maintain healthy riparian/aquatic systems as a source of insect prey.
- Limit and remove domestic predators, especially feral cats and rats, by qualified animal damage specialists.

- Assess proposed wind project near known colonies.
- Follow approved methods for bat surveys and research.

This project will have little to no impact on the area's ability to produce insects for prey and does not affect domestic predator habitat. The project does not involve wind power and will not conduct surveys or research. Therefore, the project meets these management recommendations.

Western Wahoo, Loose-Flowered Bluegrass, Soft-Leaved Willow
These species are not federally listed, and there is not currently a list of state management recommendations for them. Western wahoo and loose-flowered bluegrass could occur in upland riparian areas in the project vicinity, and soft-leaved willow could occur in the riparian areas near the Kalama River. ELS biologists did not identify these plants within the disturbance footprints, so the project is unlikely to affect these plant species.

Instream Habitat
WDFW does not have specific documents that have a short list of management recommendations for instream habitat. Aquatic Habitat Guidelines are a series of documents with guidelines to facilitate the consistent application of good science and practice for resources and habitat management, project design, construction, and operation in, near, or affecting aquatic systems. This project has been designed according to these documents that are available on the WDFW website.

Riparian Habitat
The WDFW management recommendation for riparian habitat (Knutson and Naef 1997) is to "protect riparian habitat areas". Standard recommended RHA widths for areas with typed and non-typed streams are somewhat different than widths required in the CCC. However, this project has little impact on the surrounding riparian habitat because there is only minor additional fill near the existing roadway and culvert. Therefore, the project generally meets riparian management recommendations.

HABITAT IMPACTS

Direct Stream Impacts
Permanent stream impacts include 210 square feet of riprap (16 cubic yards). The project does not propose to disturb areas within the Kalama River OHWM.

Temporary impacts will occur near the culvert during construction, and the disturbance area will be minimized to the extent practicable. Streambed and bank materials will be replaced to mimic current habitat conditions.

Direct RHA Impacts
Permanent impacts include 489 square feet of riprap (44 square feet) in the inner RHA. This material will be placed within areas that are devoid of vegetation and serve no riparian function. Material will be acquired locally and placed in the existing road prism. Temporary impacts will occur near the culvert during construction, and the disturbance area will be minimized to the extent

practicable. Streambed and bank materials will be replaced to mimic current conditions. Project impacts of temporary increases in suspended solids concentrations effects during a first-flush rain event are not anticipated to extend to the Kalama River.

Indirect RHA Impacts

There are no anticipated indirect impacts. Human presence, noise, and light will temporarily increase during construction and will return to existing levels when the project is completed. Stream habitat will not be significantly changed upstream, downstream, or inside of the culvert.

Level II Habitat Assessment

This project requires a Level II habitat assessment because there are impacts within the inner RHA, which includes Level I items as well as development standards and species management recommendations that are included below.

DEVELOPMENT STANDARDS

CCC 19.15.130 D. Development Standards – General Requirements

The following are development standards applicable to this project (in *italics*) as listed in the *CCC 19.15.130 D, E* and *F*, followed by a discussion of how they are met (in regular font).

1. *Alterations within All Classifications. A habitat conservation area may be altered, provided that the proposed alteration of the habitat or the mitigation proposed does not degrade the quantitative and qualitative functions and values of the habitat.*

   Best management practices stated above in the avoidance and minimization section will be in place prior to and for the duration of construction to prevent and minimize habitat disturbances. There are only 0.005 acres of instream impact near the culvert, and there will be no impacts to the Kalama River. Minor RHA impacts will occur near the culvert where there is currently no woody vegetation and very little habitat value.

2. *Nonindigenous Species. Plants, wildlife, or fish species not indigenous to the region shall not be introduced into a habitat conservation area unless authorized by a state or federal permit or approval.*

   Nonindigenous species will not be introduced; nonindigenous plants will not be installed.

3. *Approvals and the Best Available Science. Any approval of alterations or impacts to a habitat conservation area shall be supported by the best available science.*

   Best available science and the most recent available data were used in preparing this document.

4. *Clearing and Grading. When clearing and grading is permitted as part of an approved critical areas assessment the following shall apply: a) Grading is allowed only during the dry season, which is typically regarded as beginning on May 1st and ending on October 1st of each year; provided, that the county may extend or shorten the dry season on a case-by-case basis,*

determined on actual weather conditions; and b) Best management practices for erosion and sediment control must be in place prior to, during, and after construction.

Culvert replacement will be conducted within the in-water work window specified by WDFW (August 1 through 31). Best management practices as previously described will be implemented.

CCC 19.15.130 E. Development Standards - Specific Habitats

1. ***Endangered, Threatened, and Sensitive Species.***
   Where federal or state management recommendations exist to protect a state or federally protected species, development or activities may be allowed within or adjacent to a habitat conservation area or buffer with which the state or federally endangered, threatened, or sensitive species has a primary association only when the management recommendations are utilized as demonstrated in a critical area assessment prepared by a qualified professional and approved by the Director.

   This project will meet management recommendations for federal and state-listed species and habitats as described above.

3. ***Riparian Habitat Areas (RHA).*** *RHAs shall be established for habitats that include aquatic and terrestrial ecosystems that mutually benefit each other and that are located adjacent to waters of the state. Unless otherwise allowed in this title, all structures and activities shall be located outside of the RHAs.*

   Culvert replacement requires working in the inner and outer RHAs. This project has been designed to minimize the disturbance footprint.

4. ***Alterations to Waters of the State and Associated RHAs.*** *Activities may be permitted within a pond, lake, water of the state, marine habitat, or associated riparian habitat area when the activity complies with the provisions in this subsection and in accordance with an approved critical area assessment and, if applicable, in accordance with the Shoreline Management Act, Chapter 90.58 RCW, the county's Shoreline Master Program, and all other applicable state or federal permits.*

   a. General.

   i. All work shall comply with the Washington Department of Fish and Wildlife in-water work window for the applicable species;

   Work will be done within the in-water work window specified for this project by the WDFW area habitat biologist (Fornes, pers. comm. 2021).

   ii. The proposal will not degrade the functions or values of the fish habitat or other critical areas.

   Best management practices stated in the avoidance and minimization section will be in place prior to and for the duration of construction to prevent and minimize habitat disturbances.

d. In-Stream Structures. On Type F, Type Np, and Type Ns waters, the following provisions shall apply:

i. No structures that prevent the migration of salmonids will be allowed in the portion of water bodies currently used by anadromous fish.

ii. In-stream structures, such as, but not limited to, high flow bypasses, sediment ponds, instream ponds, and retention and detention facilities, are prohibited from RHAs unless they are necessary for the successful development or maintenance of a habitat improvement project.

The existing culvert and habitat are not currently used as a migration corridor for salmonids. The proposed culvert will better convey hydrology from the Type Np stream to the Kalama River and remove the potential for future culvert and road failure due to a washout.

e. Fills. Fills shall minimize impacts to anadromous fish or their habitat.

Culverts for road crossings are instream structures that are necessary to allow stream flow. There is no suitable habitat in the project's unnamed stream for anadromous fish. BMPs will avoid impacts to anadromous-fish habitat in the Kalama River.

g. Roads, Trails, Bridges, and Rights-of-Way. Construction of trails, roadways, and bridges may be permitted subject to the following additional standards:

i. There is no other feasible alternative route with less impact on the environment;

ii. The crossing minimizes interruption of downstream movement of wood and gravel;

iii. Trails shall be located in the outer 50 percent of the RHA, except for limited viewing platforms and crossings;

iv. Crossings, where necessary, shall only occur as near to perpendicular with the watercourse as possible;

v. Mitigation for impacts is provided pursuant to a mitigation plan of an approved critical area assessment;

vi. Trails and associated viewing platforms shall not be made of continuous impervious materials.

This project meets the requirements listed above. This crossing is not perpendicular to the road; however, its new alignment allows construction to occur with minimal impacts. Note that the skew is less than 30 degrees. If the culvert were to be replaced in its current location, a large portion of the existing gabion retaining wall would need to be removed and replaced. The exposed wall face is approximately 12 feet tall and the buried foundation extends further below. The individual gabion baskets filled with 3" to 8" rocks are overlapped, so a large segment of the wall would need to be removed to accommodate the pipe. The gap at the top of the wall would be at least twice the depth of the pipe trench. Also, it would be difficult to cleanly remove and replace a portion of the gabion wall without damage.

6. Other Classifications.

a. Classifications 2 and 3. Whenever activities are proposed adjacent to or within Classification 2 or 3 areas, an approved critical area assessment prepared by a qualified

professional may be required and must comply with Washington Department of Fish and Wildlife management recommendations for affected species or habitats.

Management recommendations have been discussed above and will be met by this project.

F. Development Standards – Additional Mitigation Requirements for Fish and Wildlife Habitat Conservation Areas.

1. Mitigation for alterations to fish and wildlife habitat conservation areas shall be consistent with the Washington State Department of Fish and Wildlife and other state or federal agencies' management recommendations and guidance documents for best practices mitigation. See CCC 19.15.170, Mitigation requirements.
2. Mitigation shall be required to the level or extent necessary to achieve no net loss of critical area functions and values.
3. Proposed mitigation for impacts within fish and wildlife habitat conservation areas may be conditioned by the county on a case-by-case basis using recommendations provided by Washington Department of Fish and Wildlife. [Ord. 16-174 § 2 (Exh. A), 12-20-16.].

Best management practices for this project have been discussed with the WDFW biologist and the contractor will follow requirements in the HPA. Mitigation is not necessary for this project as discussed previously.

CONCLUSIONS

This project has an overall environmental benefit because the existing culvert must be replaced before it fails. The project will result in approximately 0.005 acres of stream impacts to a Type Np stream and minor RHA impacts near the culvert where there is very little riparian function. There are no anticipated impacts to the Kalama River. The culvert and riprap armoring will be placed above and below the OHWM in the smallest footprint that will protect the road and culvert, and areas of exposed soil at the project site will be seeded with native grasses and covered with weed-free mulch.

LIMITATIONS

ELS bases this report's determinations on standard scientific methodology and best professional judgment. In our opinion, local, state, and federal regulatory agencies should agree with our determinations; however, the information contained in this report should be considered preliminary and used at your own risk until it has been approved in writing by the appropriate regulatory agencies. ELS is not responsible for the impacts of any changes in environmental standards, practices, or regulations after the date of this report.

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Personal Communications

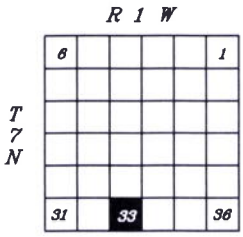
George Fornes, WDFW. Emails dated May 20, 2021 and July 15, 2021.

FIGURES AND PHOTOPLATES

WASHINGTON

Latitude: 46.0450°
Longitude: -122.8222°

LOCATION MAP



PROJECT VICINITY MAP

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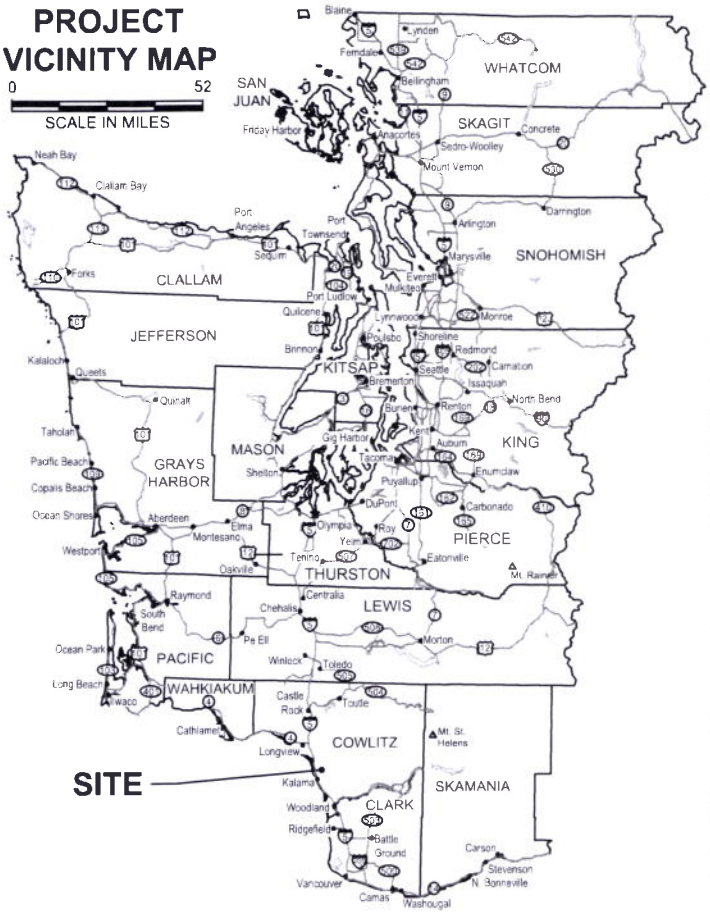
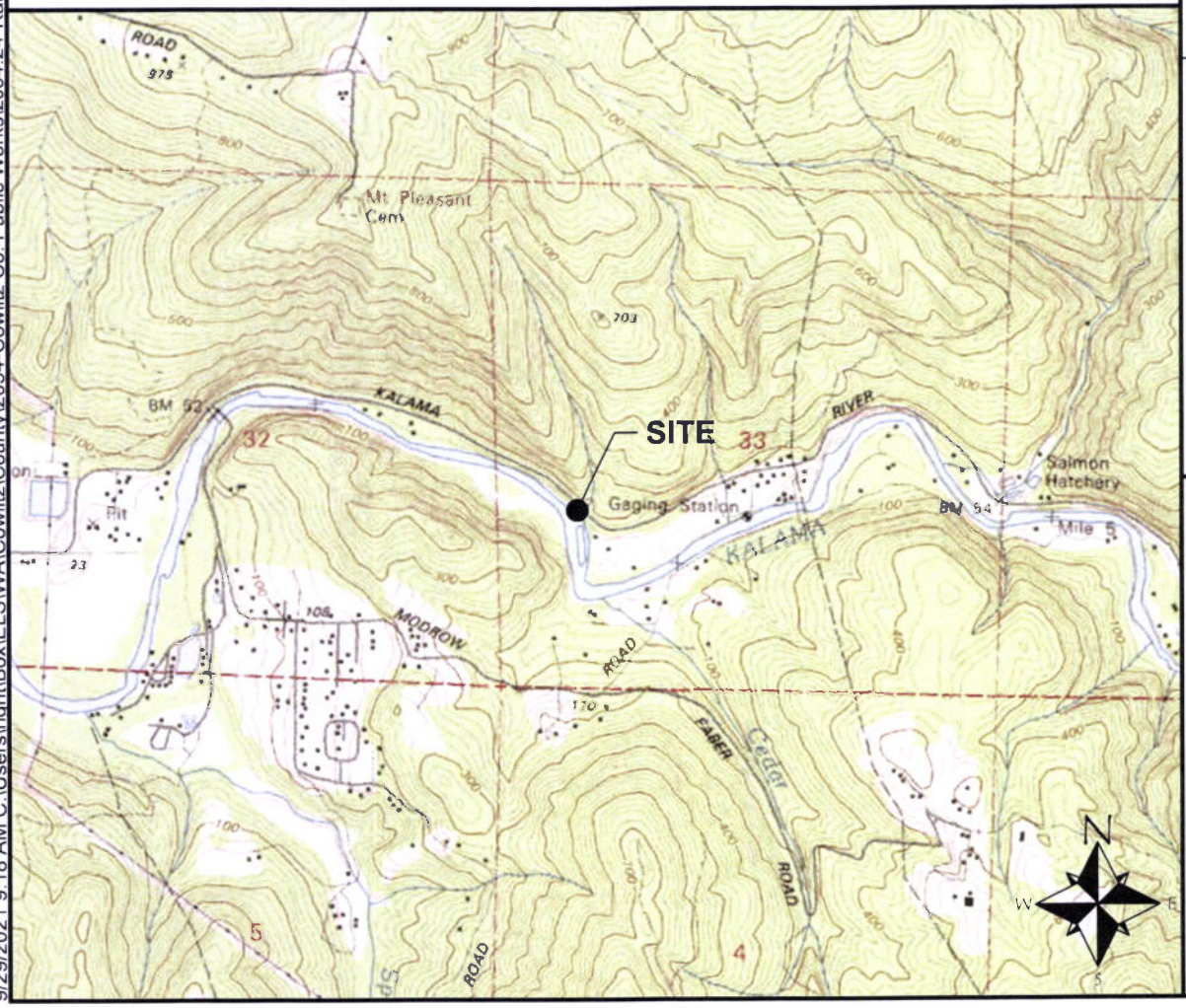


NOTE:
Quadrangle topographic map from USGS.



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VICINITY MAP
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

PROPOSED: Riprap Fill
IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 1 **OF** 6
DATE: 9/29/21

PURPOSE: Culvert Repalcement
DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

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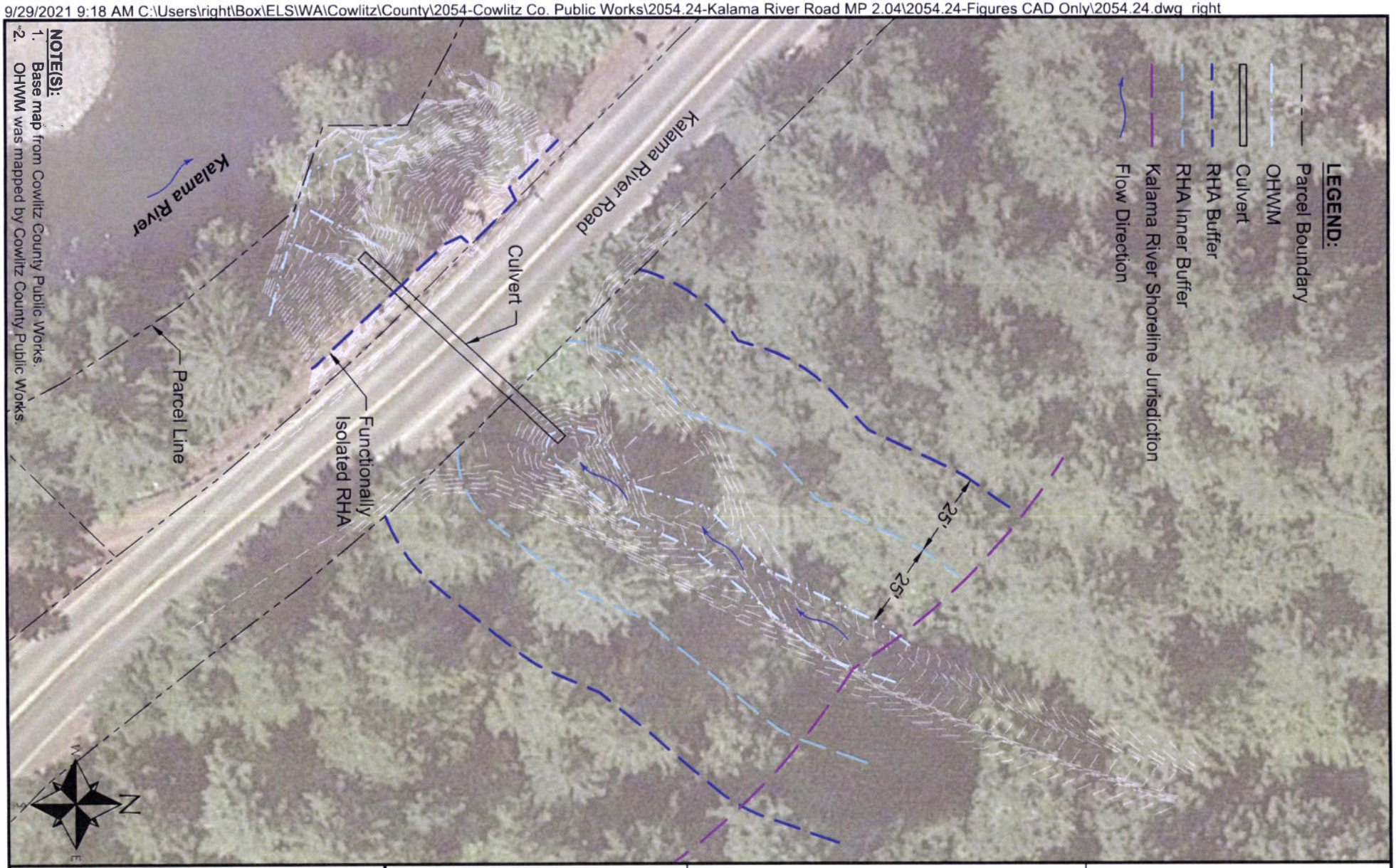

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SCALE IN FEET

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

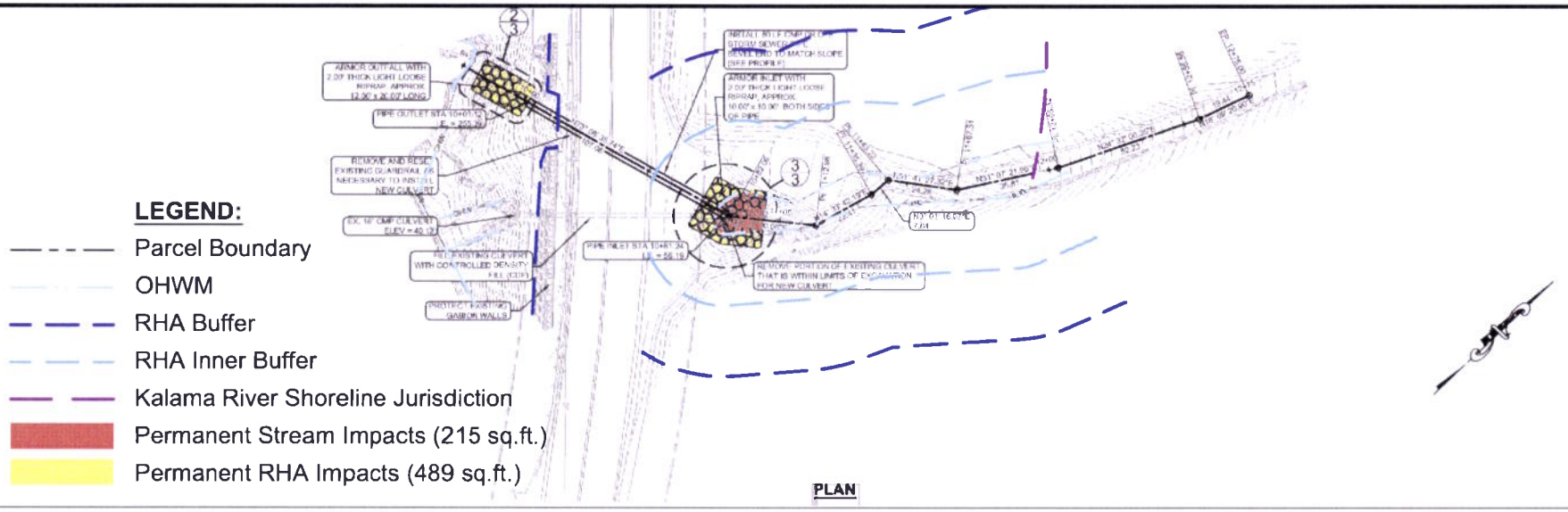
PURPOSE: Culvert Repalcement

DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

EXISTING CONDITIONS
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

PROPOSED: Riprap Fill

IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 2 **OF** 6
DATE: 9/29/21



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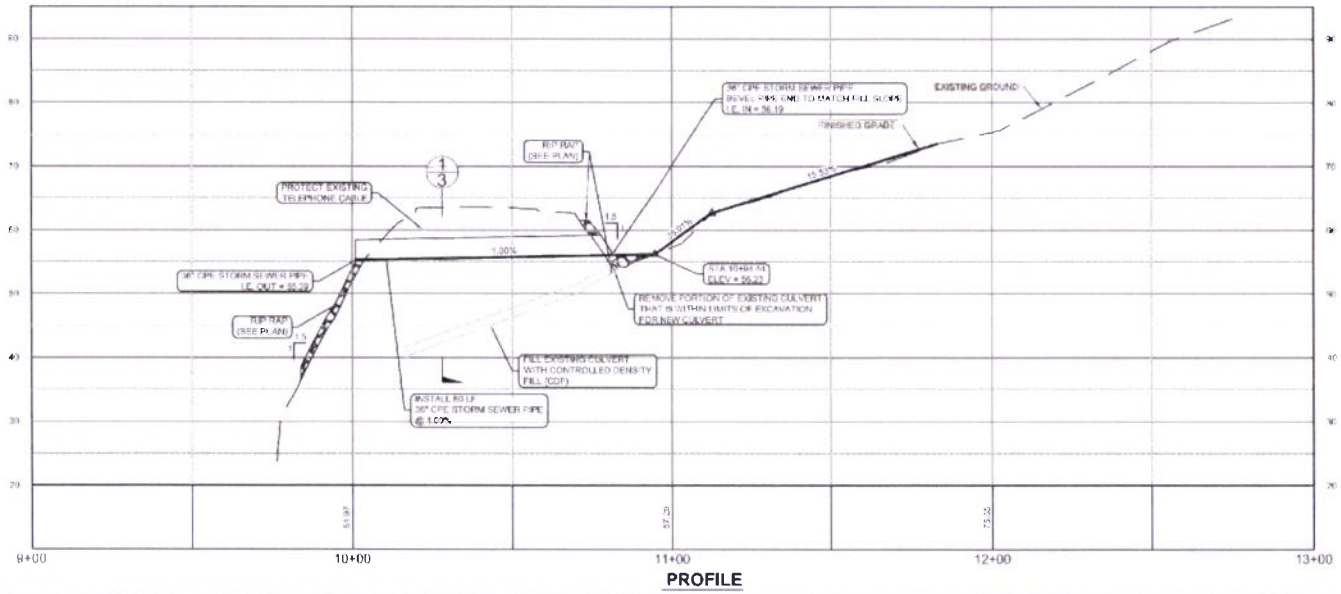

PROFILE

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Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

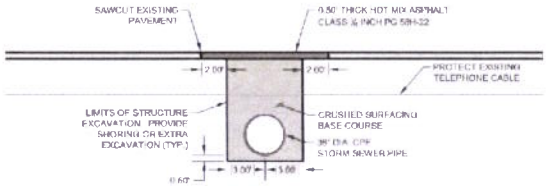
PURPOSE: Culvert Repalcement

DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

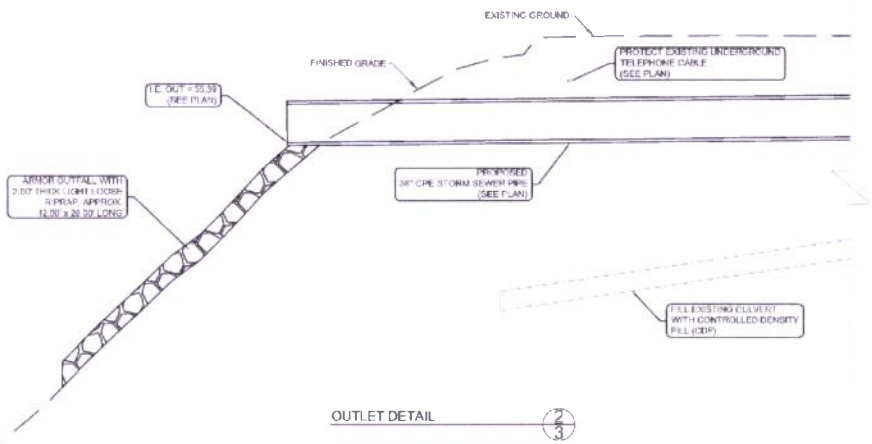
PROPOSED CONDITIONS
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

PROPOSED: Riprap Fill

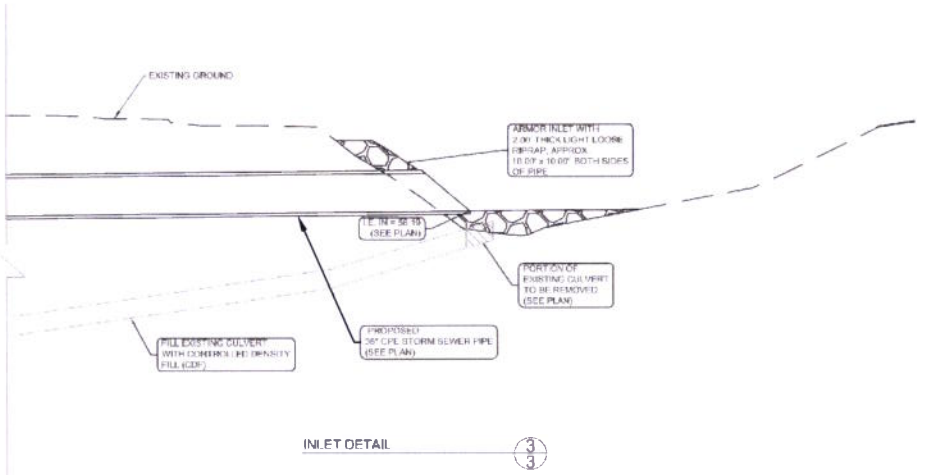
IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 3 **OF** 6
DATE: 9/29/21



TYPICAL CULVERT SECTION 1/3



OUTLET DETAIL 2/3



INLET DETAIL 3/3

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SCALE IN FEET

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Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Culvert Repalcement

DATUM: NAD83

ADJACENT PROPERTY OWNERS: See JARPA

CROSS SECTIONS

APPLICANT: Cowlitz County Public Works

PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04

REFERENCE #: Not Yet Assigned

SITE LOCATION ADDRESS:

PROPOSED: Riprap Fill

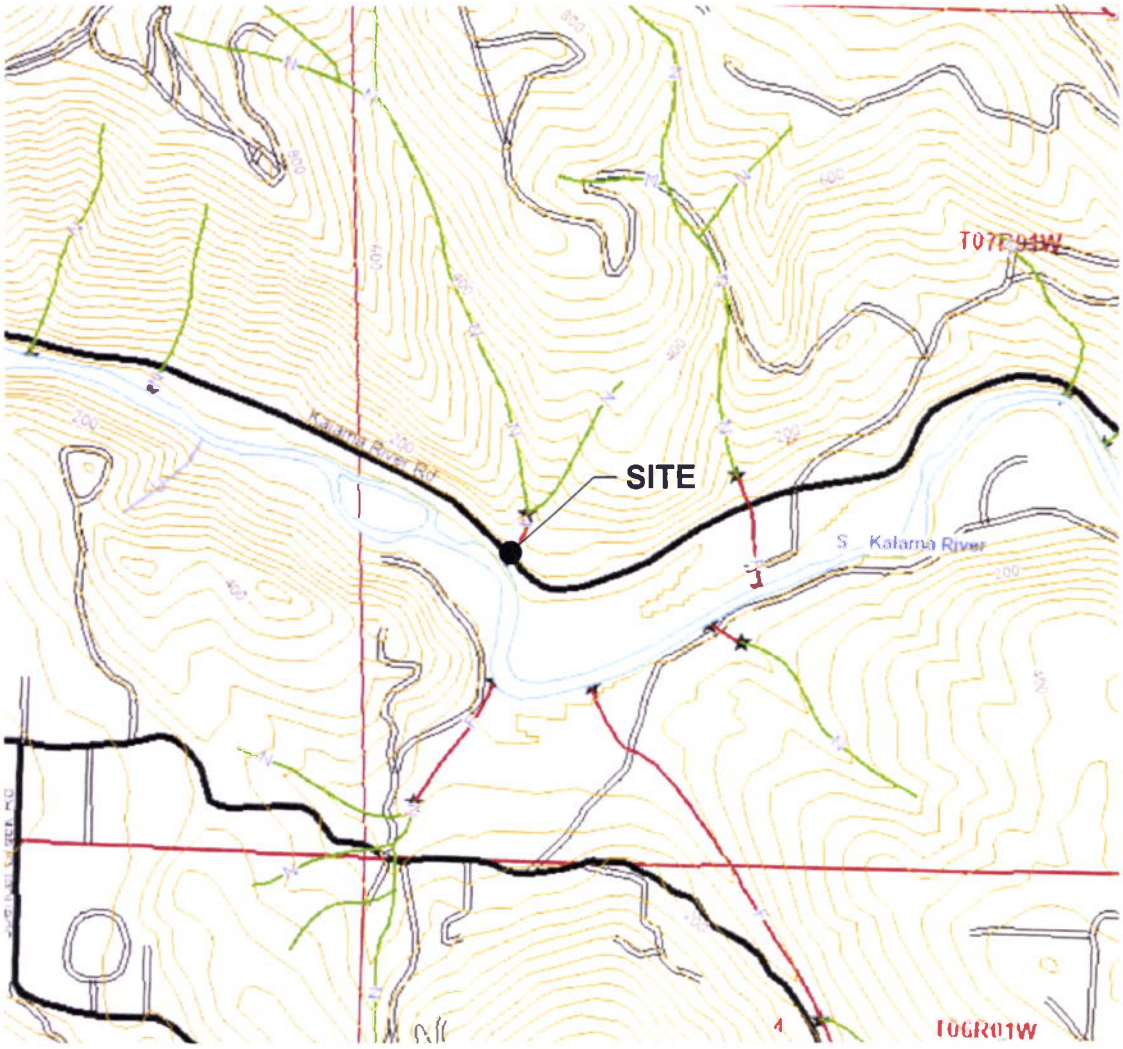
IN Unnamed Stream

NEAR:

COUNTY: Cowlitz **STATE:** WA

SHEET 4 **OF** 6

DATE: 9/29/21



Mapped streams indicated onsite by the Washington State Department of Natural Resources (WDNR).

LEGEND:

Site Boundary

Water Courses (FP)
Water Courses (FP)
- Type S
- Type F
- Type N, Np, Ns
- U, unknown
- X, non-typed per WAC 222-16

Water Type Breaks (FP)
Water Type Breaks (FP)

Water Bodies (FP)
Water Bodies (FP)
- Other Impoundments
- Open Freshwater
- Subject to Inundation
- Glacier / Snowfield
- Wet Area
- Open Saltwater
- Artificial Feature

NOTE: Map provided online by Washington State Department of Natural Resources at web address: *https://fortress.wa.gov/dnr/protectiongis/fpamt/index.html*

WDNR STREAM TYPE MAP

APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

PROPOSED: Riprap Fill

IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE:** WA
SHEET 5 **OF** 6
DATE: 9/29/21

PURPOSE: Culvert Repalcement

DATUM: NAD83
ADJACENT PROPERTY OWNERS: See JARPA

SCALE IN FEET
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Longview, WA 98632
Phone: (360) 578-1371
Ecological Land Services

LEGEND:

Rocky Mountain Elk Regular Concentration/Occurrence
Northern Spotted Owl Occurrence

Dolly Varden/Bull Trout Occurrence/Migration
Resident Coastal Cutthroat Occurrence/Migration
Rainbow Trout Occurrence/Migration
Cutthroat Occurrence
Winter/Summer/Steelhead Breading Area/Occurrence/Migration
Fall Chum Occurrence/Migration
Coho Breading Area/Occurrence
Fall/Spring/Chinook Breading Area/Occurrence

NOTE: Map provided on-line by Washington State Department of Fish & Wildlife at web address: *http://apps.wdfw.wa.gov/phsontheweb/*

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Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Culvert Repalcement

DATUM: NAD83

ADJACENT PROPERTY OWNERS:
See JARPA

WDFW Priority Habitat and Species & Salmonscape
APPLICANT: Cowlitz County Public Works
PROJECT NAME: Kalama River Road Culvert Replacement MP 2.04
REFERENCE #: Not Yet Assigned
SITE LOCATION ADDRESS:

PROPOSED:Riprap Fill

IN Unnamed Stream
NEAR:
COUNTY: Cowlitz **STATE**: WA
SHEET 6 **OF** 6
DATE: 9/29/21

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Left: View from Kalama River Road looking downstream at the unnamed stream confluence with the Kalama River. Photos taken June 24, 2021.

Below: View from road to the southwest looking downstream at the proposed new stream channel. The Kalama River is on the top half of the photo.

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305

DATE: 09-29-21
DWN: LS
PRJ. MGR: LH
PROJ.# 2054.24

Photoplate 1
Site Photos
Kalama River Road MP 2.04
Cowlitz County Public Works

Above: View from Kalama River Road looking upstream of the culvert .
Below: Riparian habitat immediately upstream of the culvert.

Ecological Land Services
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305

DATE: 09-29-21
DWN: LS
PRJ. MGR: LH
PROJ.# 2054.24

Photoplate 2
Site Photos
Kalama River Road MP 2.04
Cowlitz County Public Works

DEPARTMENT OF BUILDING AND PLANNING

207 Fourth Avenue North
Kelso, WA 98626
TEL (360) 577-3052
FAX (360) 414-5550

www.co.cowlitz.wa.us/buildplan

Shoreline Review # 0002230-005

Planning Clearance #0002230-001

TO: *Cowlitz County Dept. of Public Works*
Attn: Roger Maurer
1600 13th Avenue South
Kelso, WA 98626

TO: *Department of Ecology*
Southwest Regional Office
PO Box 47775
Olympia, WA 98504-7775

EXEMPTION

From Shoreline Substantial Development Permit Requirements

Project Location(s): Near Milepost MP 2.04 Kalama River Road in Cowlitz County Public Right-of-Way., Kalama, WA; Parcel #WD3309001
Section 33, Township 7 North, Range 1 West, Willamette Meridian

JARPA Submitted: Yes

Shoreline Body: Kalama River

Shoreline Environmental Designation: Rural Conservancy

Project Description:
The Cowlitz County Public Works Department has filed application for an exemption from shoreline substantial Development Permit within the Kalama River shoreline to accomplish culvert replacement at Milepost 2.04 of Kalama River Road. This project will abandon an existing, aging, culvert and install a new culvert in an unnamed, fish-bearing tributary to the Kalama River that passes under the Kalama River Road at milepost (MP) 2.04

Repair will include installing a new, 36-inch diameter, corrugated polyethylene culvert approximately 80 feet long with a different outlet location than the current culvert and different finished grade at near the inlet. A six-foot wide trench will be excavated in the roadway to fill to place new culvert. Excavated material will be hauled to a permitted disposal site. Gravel bedding and backfill material will be placed and compacted around and over the culvert. The roadway surface will be paved with hot mix asphalt.

The riprap pad at the outlet will be armored with about 2 feet of lights, loose riprap about 12 feet wide and 20 feet long, the upstream road slope will be armored with 2 feet of light, loose riprap 10 feet wide and 10 feet long.
Applicable Regulations:

The existing unnamed, fish-bearing tributary to Kalama River that passes under Kalama River Road at milepost (MP) 2.04 is not a shoreline of statewide significance. However, the project is within 200 feet of Kalama River OHWM, this project is located in the Shoreline jurisdiction. The area has Shoreline Environment Designation of Rural Conservancy and Recreation under the Cowlitz County Shoreline Master Program (SMP). Exemptions from a Shoreline Substantial Development Permit are addressed in SMP Section 3.2(A)(1), which states "a SSDP is not required for projects that are below the threshold levels established in WAC 173-27-040(2), Developments exempt from substantial development permit requirement." WAC 173-27-040(2)(b) contains the exemption for normal maintenance and repair of existing development which states:

> *"Normal maintenance or repair of existing structures or developments, including damage by accident, fire or elements. "Normal maintenance" includes those usual acts to prevent a decline, lapse, or cessation from a lawfully established condition. "Normal repair" means to restore a development to a state comparable to its original condition, including but not limited to its size, shape, configuration, location and external appearance, within a reasonable period after decay or partial destruction, except where repair causes substantial adverse effects to shoreline resource or environment. Replacement of a structure or development may be authorized as repair where such replacement is the common method of repair for the type of structure or development and the replacement structure or development is comparable to the original structure or development including but not limited to its size, shape, configuration, location and external appearance and the replacement does not cause substantial adverse effects to shoreline resources or environment."*

The project area is also located within County Critical Areas for Fish and Wildlife Habitat Conservation Area per CCC 19.15.130 and Floodway / Floodplain per CCC 16.25. This letter of exemption serves as county review for compliance with the Shoreline Exemption under the SMP and RCW, as well as compliance with the Fish and Wildlife Habitat Critical Area development standards and the planning clearance approval. Critical Areas review under CAP# 0002230-002, Floodplain review under Flood# 0002230-004

Discussion:
Applying the criteria of WAC 173-27-040(2)(b), the proposed project is exempt from the requirement to obtain an SSDP because this is a proposal to replace existing structure to a state comparable to its original condition. However, exemption from the requirement for an SSDP still requires compliance with the applicable standards of the SMP and the Shoreline Management Act

The proposal is also exempt from the County Critical Areas Ordinance for Fish and Wildlife Habitat Conservation Area pursuant to CCC 19.15.070.C. Any modifications to the approved plans may require further analysis.

Conclusion: Based on the above-referenced information, applicable criteria, and discussion; and subject to the conditions listed below, Cowlitz County Building and Planning Department hereby approves the proposed project as exempt from the requirement to obtain a Shoreline Substantial Development Permit and in compliance with the requirements County Critical Areas Ordinance and Floodplain Management Ordinance.

Conditions: To ensure consistency with the above listed regulations, and pursuant to WAC 173-27-040(1)(e), Shoreline Management Rules, this project is subject to the following conditions:

1. This exemption is valid for a period not to exceed five years from the date of issuance.

2. Work must substantially conform to plans and specifications submitted with this exemption request except

as modified by this approval, or as modified by approvals from other agencies.

3. The disposal of excavated material not used as backfill must be upland and outside of shoreline jurisdiction.

4. Any spills, soil or debris accidentally entering the water during construction must be immediately removed by approved methods. All project work must cease immediately until clean-up of such spills is completed. If a spill does occur, or if an oil sheen or distressed or dying fish are observed in the project vicinity, the permittee must immediately contact the Department of Ecology Southwest Regional Office at (360) 690-7171.

5. Proper best management practices for erosion control measures, such as silt fencing and straw waddles, must be installed prior to any clearing, grading, or construction activities to prevent the uncontrolled discharge of turbid water or sediment into waters of the state. Erosion control structures or devices must be regularly inspected and maintained throughout the construction of the proposed improvements.

6. In the event of the discovery of cultural and/or archeological artifacts during construction, the project must be halted immediately and the applicant must directly notify the Washington State Department of Archaeology and Historic Preservation and the concerned Tribe and copy such notification to the Cowlitz County Department of Building and Planning.

7. **The project must comply with the Cowlitz County Shoreline Master Program Shoreline Use Regulations, Section 7.2.13 Transportation and Parking.**

Subject to the above listed conditions, the proposed development is consistent with the policies of the Shoreline Management Act, the Cowlitz County Shoreline Master Program, the Cowlitz County Floodplain Ordinance, and the Cowlitz County Critical Areas Ordinance.

This **letter of exemption** is granted pursuant to the Shoreline Management Act of 1971 and WAC 173-27-040(2). Nothing in this letter excuses the applicant from compliance with any other federal, state or local statutes, ordinances or regulations applicable to this project, but not inconsistent with the Shoreline Management Act (Chapter 90.58 RCW) or the Cowlitz County Shoreline Master Program. Representatives from this department must be allowed to inspect the authorized activity at any time deemed necessary to ensure that the project is being, or has been, accomplished in accordance with the terms and conditions of this letter of exemption. This exemption may be rescinded pursuant to RCW 90.58.140(8) in the event the permittee fails to comply with the terms or conditions thereof.

Noncompliance with any of the above conditions is a violation of the County Shoreline Management Master Program and the Shoreline Management Act and is subject to penalties established by law (WAC 173-27 and RCW 90.58.210).

Date: January 25, 2022

Travis Kephart
Environmental Planner
Encl.: Copy of Planning Clearance Approved Site Plan, Cross Section, and JARPA

APPENDIX E

Applicable Standard Plans

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25-30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

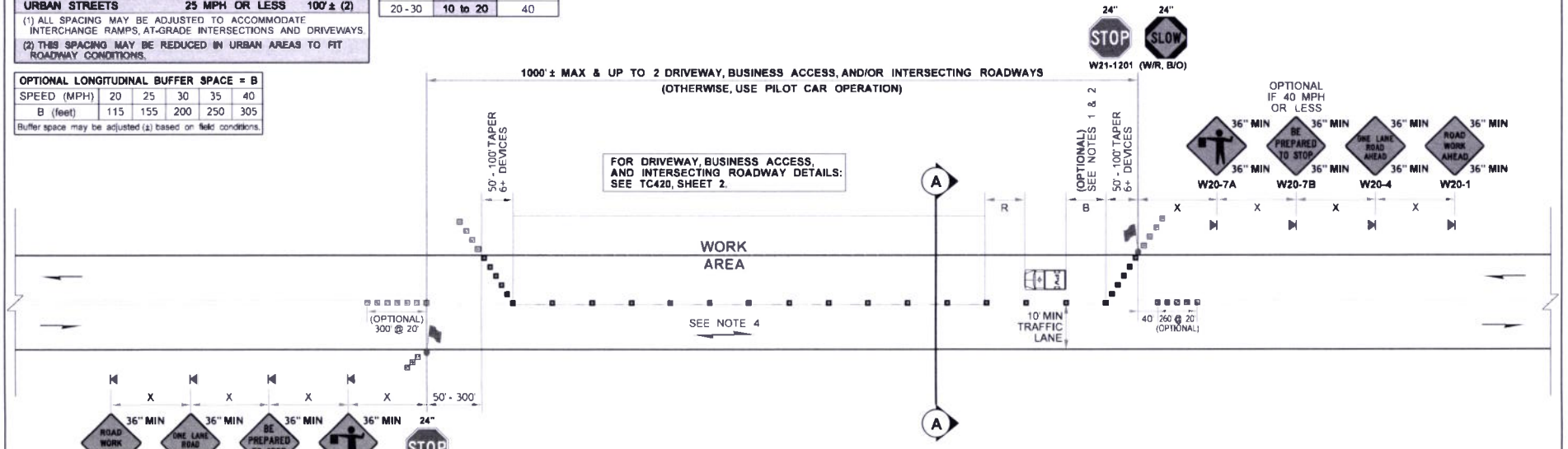
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

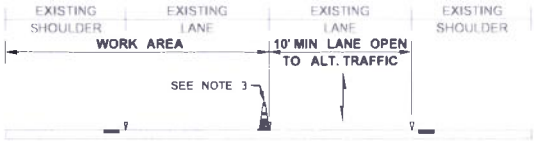
MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10 to 20	60
20 - 30	10 to 20	40

OPTIONAL LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	20	25	30	35	40
B (feet)	115	155	200	250	305

Buffer space may be adjusted (±) based on field conditions.

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.





SECTION (A-A)

LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 3)
- OPTIONAL CHANNELIZATION DEVICE
- PROTECTIVE VEHICLE (SEE NOTE 2)
- FLAGGER

NOTES:

1. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER SPACE.
2. **PROTECTIVE VEHICLE MAY ALWAYS BE USED ON ROADWAYS 40 MPH OR LESS, EVEN IF THE LONGITUDINAL BUFFER SPACE IS REDUCED OR ELIMINATED.** ADDITIONAL PVs MAY BE ADDED AT SEPARATE WORK CREWS.
3. MAY SHIFT LATERALLY. 36" TRAFFIC CONES, 42" TALL CHANNELIZATION DEVICES, OR TRAFFIC SAFETY DRUMS OK.
4. PEDESTRIAN & BICYCLIST ACCOMMODATIONS (ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES):
   (A) ALLOW PEDESTRIANS TO USE THE PAVED SHOULDER OR ADJACENT PATH OPPOSITE THE WORK AREA
   (B) COMBINE BIKES & VEHICULAR TRAFFIC. BIKES TO CLEAR PRIOR TO RELEASING ONCOMING TRAFFIC
   (C) PROVIDE FREE SHUTTLE (WORK TRUCK, VAN, OR BUS MAY BE USED)
5. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS:
   1-07.8(1) HIGH-VISIBILITY APPAREL
   1-10.3(1)A FLAGGERS AND NIGHTTIME ILLUMINATION
   1-10.3(2)A TRAFFIC CONTROL PROCEDURES
   9-35.1 24-INCH STOP/SLOW PADDLE SIZE
6. FOR PROJECT-SPECIFIC REQUIREMENTS, SEE SPECIAL PROVISIONS.
7. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
8. ACTUAL CENTERLINE PAVEMENT MARKINGS MAY VARY.

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

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TIME	6:58:23 AM			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		PLAN REF NO TC420
DATE	7/18/2023			JOB NUMBER				
PLOTTED BY	LintzF							SHEET 1 OF 4 SHEETS
DESIGNED BY								
ENTERED BY								
CHECKED BY				CONTRACT NO.		LOCATION NO.		
PROJ. ENGR.								
REGIONAL ADM.	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

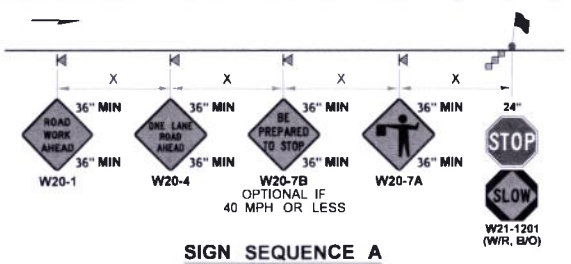
TYPICAL TRAFFIC CONTROL PLANS

NOTES:

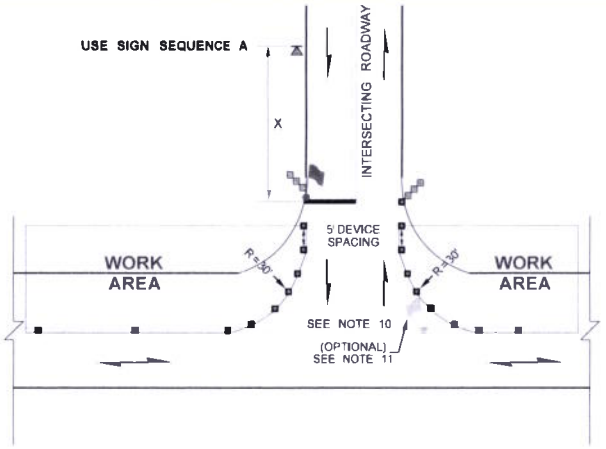
9. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC420, SHEET 1.

10. WORK MAY BRIEFLY OCCUR WITHIN LANE CLOSURE ACROSS INTERSECTING ROADWAY APPROACHES, BUSINESS ACCESSES, OR DRIVEWAYS. **MAY HOLD APPROACH OR ACCESS TRAFFIC FOR 5 MINUTES OR LESS** (ENGINEER MAY ACCEPT HOLDS UP TO 10 MINUTES) WHILE RESTRICTING TURNS FROM MAINLINE. CHANNELIZATION DEVICES DELINEATING APPROACH OR ACCESS MAY BE REMOVED OR RELOCATED AS NEEDED.

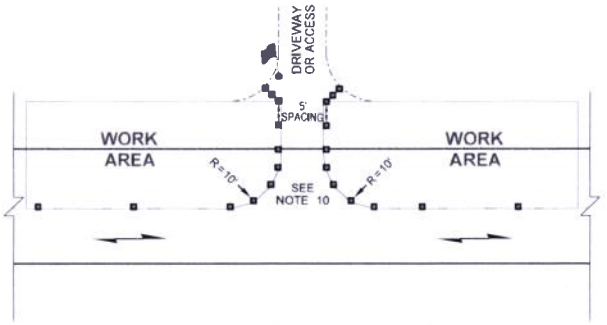
11. SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



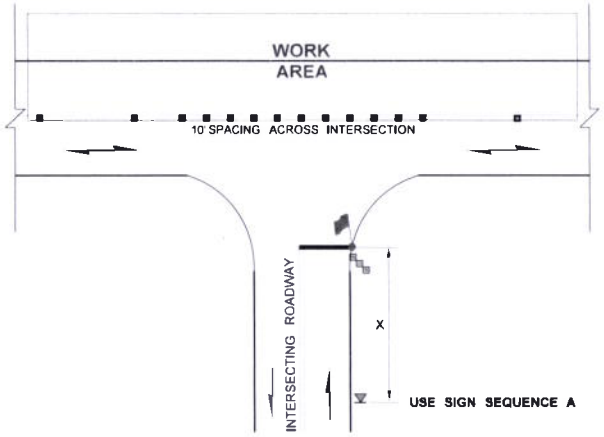
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



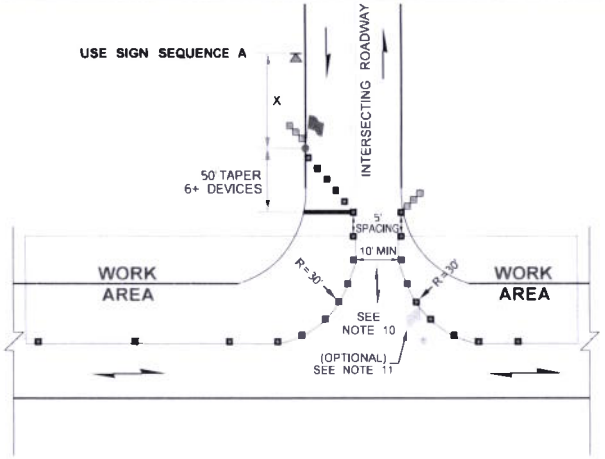
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



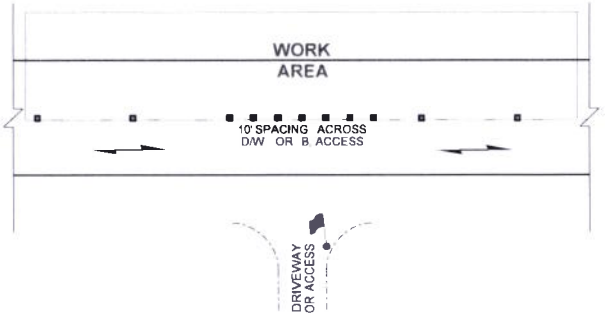
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
OPPOSITE OF LANE CLOSURE



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (SINGLE OPEN LANE)



DRIVEWAY OR BUSINESS ACCESS DETAIL
OPPOSITE OF LANE CLOSURE

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

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DATE	7/18/2023					
PLOTTED BY	LintzF					
DESIGNED BY				JOB NUMBER		
ENTERED BY						
CHECKED BY				CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.						
REGIONAL ADM.	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

TYPICAL TRAFFIC CONTROL PLANS

Plot 2

PLAN REF NO: TC420

SHEET 2 OF 4 SHEETS

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

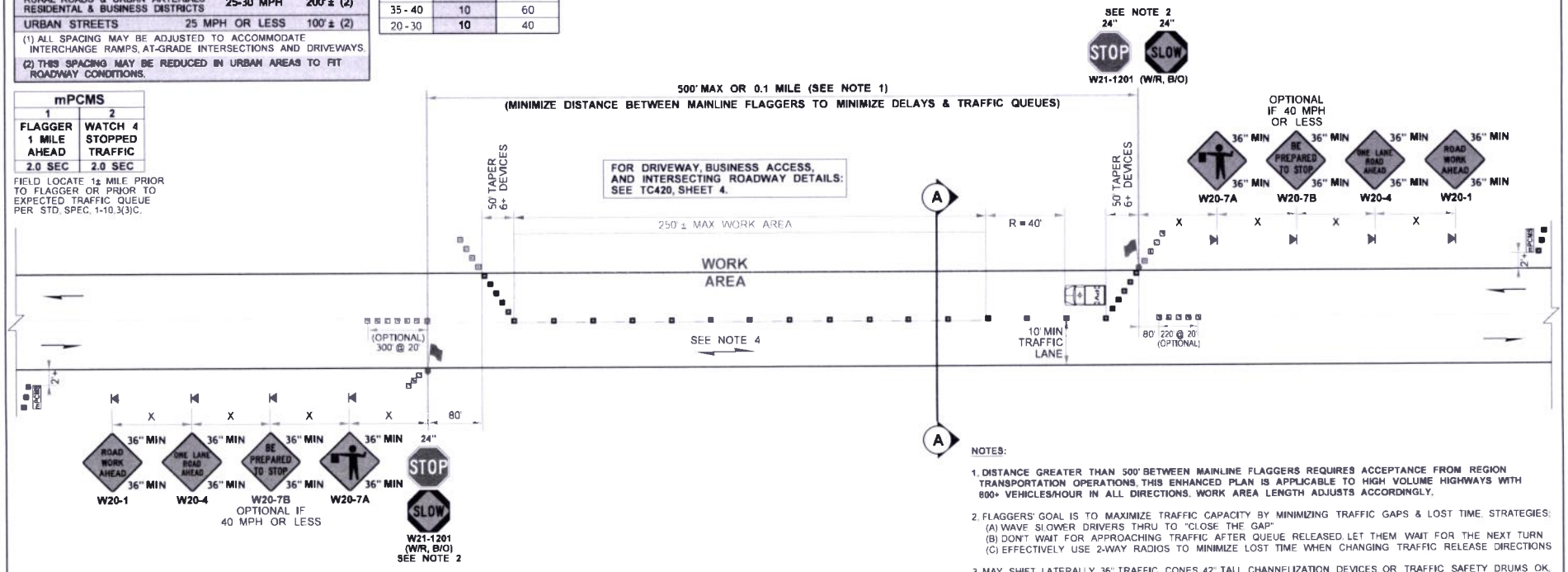
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

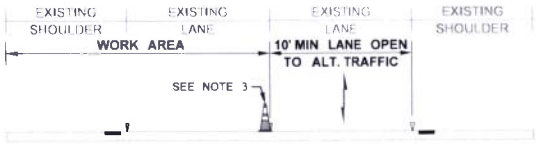
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10	60
20 - 30	10	40

mPCMS	
1	2
FLAGGER 1 MILE AHEAD	WATCH 4 STOPPED TRAFFIC
2.0 SEC	2.0 SEC

FIELD LOCATE 1± MILE PRIOR TO FLAGGER OR PRIOR TO EXPECTED TRAFFIC QUEUE PER STD. SPEC. 1-10.3(3)C.





SECTION (A-A)

LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 3)
- OPTIONAL CHANNELIZATION DEVICE
- PROTECTIVE VEHICLE
- FLAGGER
- mini PORTABLE CHANGEABLE MESSAGE SIGN (PCMS OK, SEE NOTE 8)

NOTES:

1. DISTANCE GREATER THAN 500' BETWEEN MAINLINE FLAGGERS REQUIRES ACCEPTANCE FROM REGION TRANSPORTATION OPERATIONS. THIS ENHANCED PLAN IS APPLICABLE TO HIGH VOLUME HIGHWAYS WITH 600+ VEHICLES/HOUR IN ALL DIRECTIONS. WORK AREA LENGTH ADJUSTS ACCORDINGLY.
2. FLAGGERS' GOAL IS TO MAXIMIZE TRAFFIC CAPACITY BY MINIMIZING TRAFFIC GAPS & LOST TIME. STRATEGIES:
   (A) WAVE SLOWER DRIVERS THRU TO "CLOSE THE GAP"
   (B) DON'T WAIT FOR APPROACHING TRAFFIC AFTER QUEUE RELEASED. LET THEM WAIT FOR THE NEXT TURN
   (C) EFFECTIVELY USE 2-WAY RADIOS TO MINIMIZE LOST TIME WHEN CHANGING TRAFFIC RELEASE DIRECTIONS
3. MAY SHIFT LATERALLY. 36" TRAFFIC CONES, 42" TALL CHANNELIZATION DEVICES, OR TRAFFIC SAFETY DRUMS OK.
4. PEDESTRIAN & BICYCLIST ACCOMEDIATIONS (ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES):
   (A) ALLOW PEDESTRIANS TO USE THE PAVED SHOULDER OR ADJACENT PATH OPPOSITE THE WORK AREA
   (B) COMBINE BIKES & VEHICULAR TRAFFIC. BIKES TO CLEAR PRIOR TO RELEASING ONCOMING TRAFFIC
   (C) PROVIDE FREE SHUTTLE (WORK TRUCK, VAN, OR BUS MAY BE USED)
5. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS:

1-07.8(1)	HIGH-VISIBILITY APPAREL
1-10.3(1)A	FLAGGERS AND NIGHTTIME ILLUMINATION
1-10.3(2)A	TRAFFIC CONTROL PROCEDURES
9-35.1	24-INCH STOP/SLOW PADDLE SIZE

6. FOR PROJECT-SPECIFIC REQUIREMENTS, SEE SPECIAL PROVISIONS.
7. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
8. FULL-SIZE PCMS (11' x 6' DISPLAY) MAY BE USED IN LIEU OF mPCMSs. PCMS MESSAGES MAY BE MODIFIED.
9. EXISTING PAVEMENT MARKINGS MAY VARY.

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGH VOLUME HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

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PROJ. ENGR.							
REGIONAL ADM.		REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

TYPICAL TRAFFIC CONTROL PLANS

Plot 3

PLAN REF NO. TC420

SHEET 3 OF 4 SHEETS

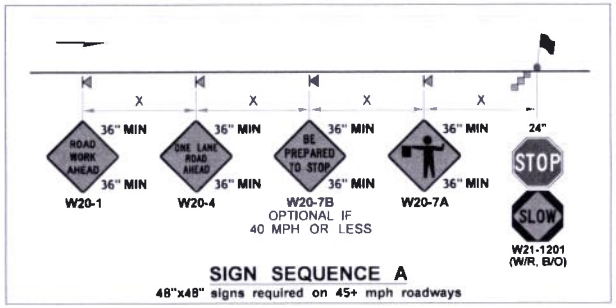
NOTES:

10. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC420 SHEET 3.

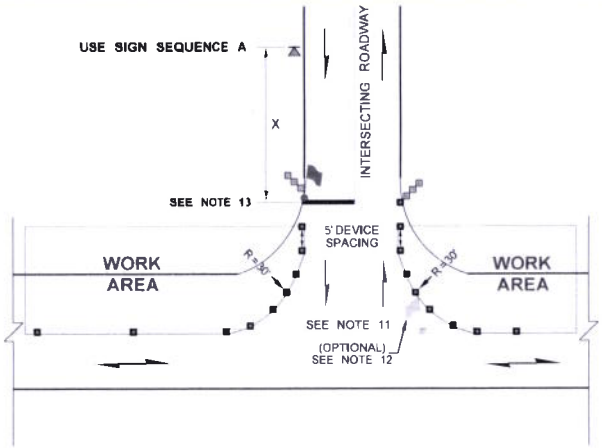
11. WORK MAY BRIEFLY OCCUR WITHIN LANE CLOSURE ACROSS INTERSECTING BUSINESS ACCESSES AND DRIVEWAYS ONLY. **MAY HOLD ACCESS TRAFFIC FOR LESS THAN 1 MINUTE** WHILE RESTRICTING TURNS FROM MAINLINE. CHANNELIZATION DEVICES DELINEATING APPROACH OR ACCESS MAY BE REMOVED OR RELOCATED AS NEEDED.

12. SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.

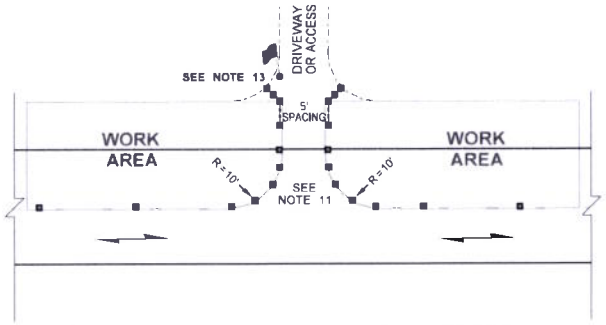
13. FLAGGERS MAY COLLABORATE TO RELEASE APPROACH/ACCESS AND MAINLINE TRAFFIC TRAVELING IN THE SAME DIRECTION CONCURRENTLY.



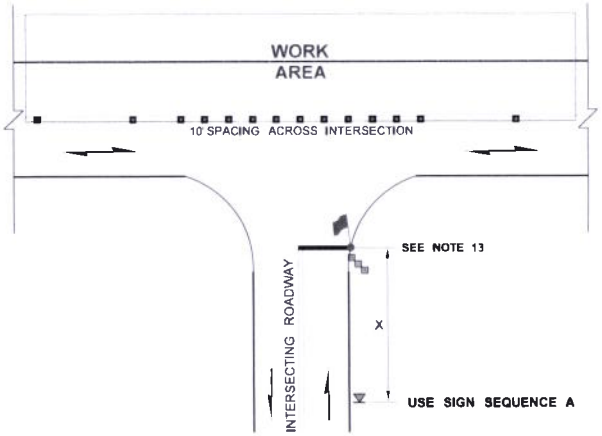
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



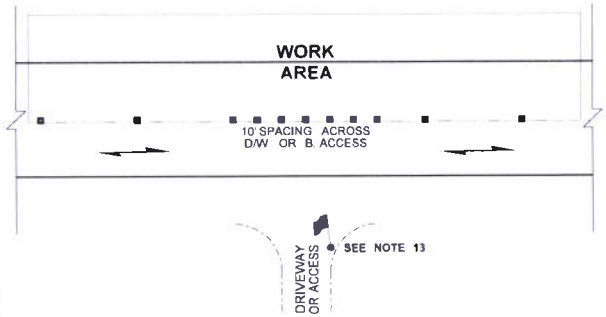
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
OPPOSITE OF LANE CLOSURE

DETAIL NOT USED
FOR HIGH VOLUME CONFIGURATIONS

UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (SINGLE OPEN LANE)



DRIVEWAY OR BUSINESS ACCESS DETAIL
OPPOSITE OF LANE CLOSURE

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGH VOLUME HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

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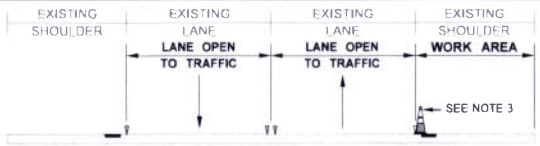
DESIGNED BY				CONTRACT NO.		LOCATION NO.		SHEET 4 OF 4 SHEETS
ENTERED BY								
CHECKED BY								
PROJ. ENGR.								
REGIONAL ADM.		REVISION	DATE	BY			P.E. STAMP BOX / DATE	P.E. STAMP BOX / DATE

TYPICAL TRAFFIC CONTROL PLANS



SECTION (A-A)

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS	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.

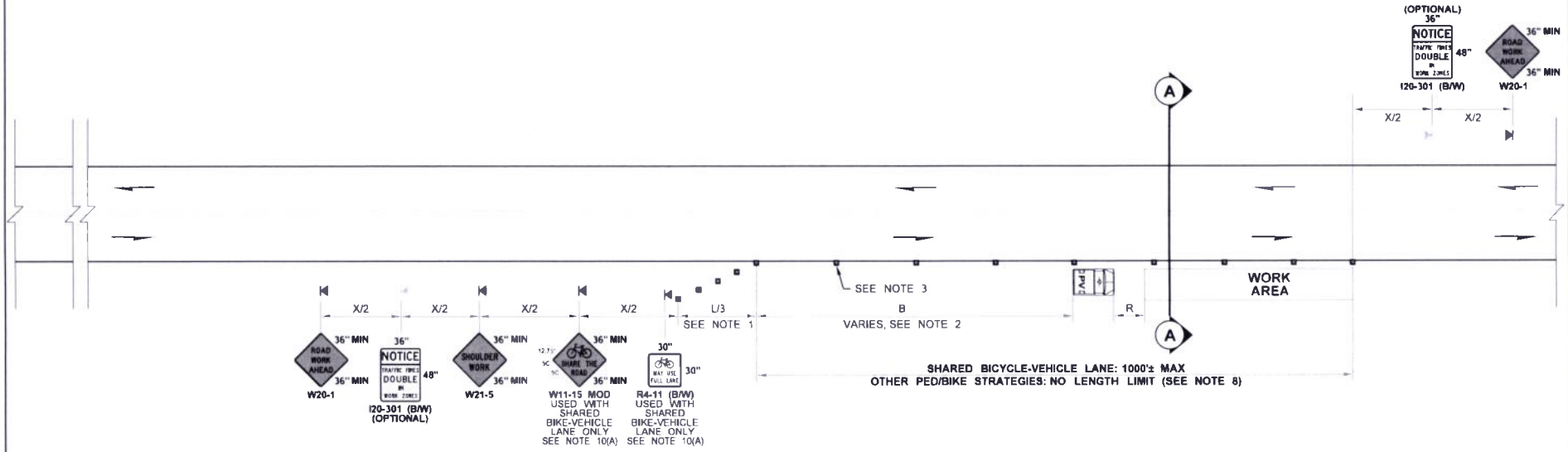
SHOULDER CLOSURE TAPER LENGTH = L/3						
SHOULDER WIDTH	SPEED (MPH)	20	25	30	35	40
< 6'	L/3 (feet)	40	40	40	60	60
6'		40	40	40	60	60
10'		40	40	60	90	90

LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	20	25	30	35	40
B (feet)	115	155	200	250	305

Buffer space may be adjusted (±) based on field conditions.

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

MAXIMUM CHANNELIZING DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	30	60
20 - 30	20	40



NOTES:

1. IF FEASIBLE, AVOID PLACING SHOULDER CLOSURE TAPER WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL AND VERTICAL CREST CURVES.
2. DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.
3. 28" TRAFFIC CONES, 36" TRAFFIC CONES, 42" TALL CHANNELIZING DEVICES OR TRAFFIC SAFETY DRUMS ALLOWED ON TAPERS AND TANGENTS.
4. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
5. PLAN IS APPLICABLE TO LANE CLOSURES OF 7 DAYS OR LESS.
6. ADD W21-30 SERIES SIGNS (36"x36" MIN, 5' HEIGHT) @ X PRIOR TO FREQUENT CONSTRUCTION VEHICLE INGRESS/EGRESS INTO OPEN LANE(S).
7. PEDESTRIAN ACCOMMODATIONS, WHERE FACILITY OPEN TO PEDESTRIANS:
   (A) KEEP ADJACENT SIDEWALK OR PATHWAY OPEN.
   (B) CLOSE ADJACENT SIDEWALK OR PATHWAY, PROVIDE PEDESTRIAN DETOUR, ALTERNATE ROUTE, OR FREE SHUTTLE (WORK TRUCK, VAN, OR BUS OK).
   (C) STOP WORK OPS. & ESCORT PEDESTRIANS THROUGH WORK AREA.
   (D) ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES.
8. BICYCLIST ACCOMMODATIONS, WHERE FACILITY OPEN TO BICYCLES:
   (A) SHARED BICYCLE-VEHICLE LANE, ADD W11-15 MOD & R4-11 SIGNS.
   (B) BICYCLES PROHIBITED R5-6 SIGN(S), PROVIDE SIGNED DETOUR OR ALTERNATIVE ROUTE.
   (C) BICYCLES PROHIBITED VIA R5-6 SIGN(S), PROVIDE FREE SHUTTLE (WORK TRUCK, VAN, OR BUS OK) + CONTACT INFORMATION/PHONE BOX/LABORER.
   (D) STOP WORK OPS & ESCORT BICYCLISTS THROUGH SHOULDER CLOSURE.
   (E) ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES.

LEGEND:

- TEMPORARY SIGN LOCATION (1' MIN HEIGHT)
- CHANNELIZING DEVICE (SEE NOTE 3)
- PROTECTIVE VEHICLE

SHOULDER CLOSURE (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

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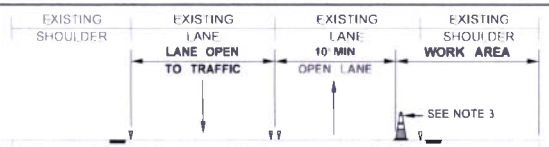
PROJ. ENGR.				P.E. STAMP BOX	DATE	P.E. STAMP BOX	DATE
REGIONAL ADM.	REVISION	DATE	BY				

Washington State Department of Transportation

TYPICAL TRAFFIC CONTROL PLANS

SHEET 1 OF 2 SHEETS



SECTION (A-A)

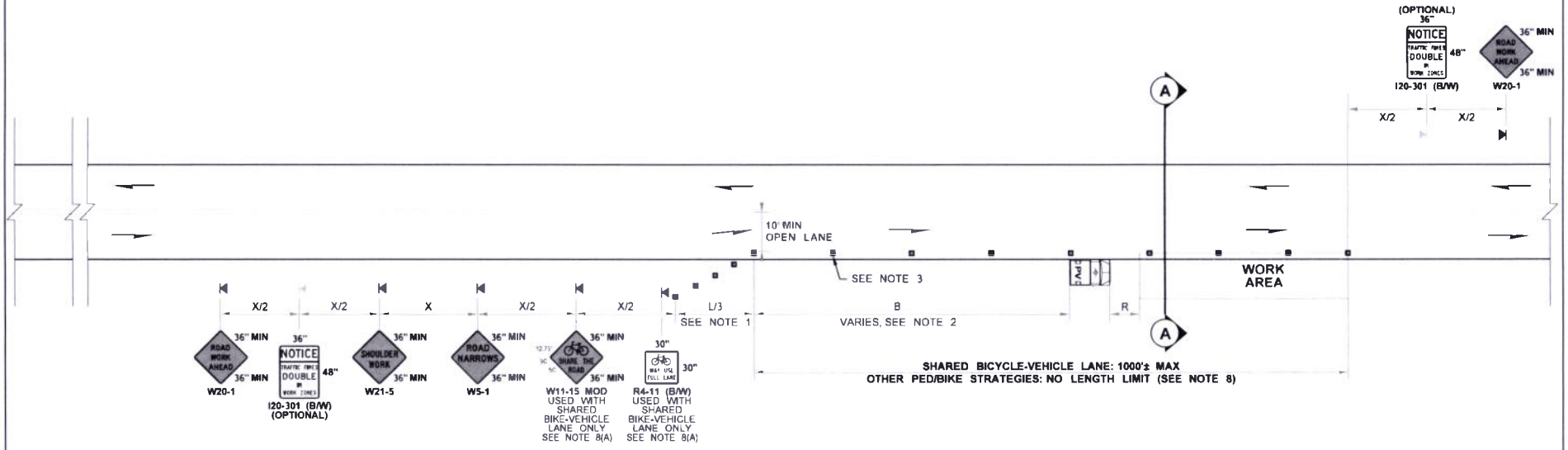
RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS	25 MPH OR LESS	100' +/- (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND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

SHOULDER CLOSURE TAPER LENGTH = L/3						
SHOULDER WIDTH	SPEED (MPH)	20	25	30	35	40
< 6'	L/3 (feet)	40	40	40	60	60
6'		40	40	40	60	60
10'		40	40	60	90	90

LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	20	25	30	35	40
B (feet)	115	155	200	250	305
Buffer space may be adjusted (±) based on field conditions.					

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

MAXIMUM CHANNELIZING DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	30	60
20 - 30	20	40



LEGEND:

- TEMPORARY SIGN LOCATION (1' MIN HEIGHT)
- CHANNELIZING DEVICE (SEE NOTE 3)
- PROTECTIVE VEHICLE

NOTES:

1. IF FEASIBLE, AVOID PLACING SHOULDER CLOSURE TAPER WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL AND VERTICAL CREST CURVES.
2. DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.
3. 28" TRAFFIC CONES, 36" TRAFFIC CONES, 42" TALL CHANNELIZING DEVICES OR TRAFFIC SAFETY DRUMS ALLOWED ON TAPERS AND TANGENTS.
4. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
5. PLAN IS APPLICABLE TO LANE CLOSURES OF 7 DAYS OR LESS.
6. ADD W21-30 SERIES SIGNS (36"x36" MIN, 5' HEIGHT) @ "X" PRIOR TO FREQUENT CONSTRUCTION VEHICLE INGRESS/EGRESS INTO OPEN LANE(S).
7. PEDESTRIAN ACCOMMODATIONS, WHERE FACILITY OPEN TO PEDESTRIANS:
   (A) KEEP ADJACENT SIDEWALK OR PATHWAY OPEN.
   (B) CLOSE ADJACENT SIDEWALK OR PATHWAY, PROVIDE PEDESTRIAN DETOUR, ALTERNATE ROUTE, OR FREE SHUTTLE (WORK TRUCK, VAN, OR BUS OK).
   (C) STOP WORK OPS & ESCORT PEDESTRIANS THROUGH WORK AREA.
   (D) ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES.
8. BICYCLIST ACCOMMODATIONS, WHERE FACILITY OPEN TO BICYCLES:
   (A) SHARED BICYCLE-VEHICLE LANE: ADD W11-15 MOD & R4-11 SIGNS.
   (B) BICYCLES PROHIBITED R5-6 SIGN(S), PROVIDE SIGNED DETOUR OR ALTERNATIVE ROUTE.
   (C) BICYCLES PROHIBITED VIA R5-6 SIGN(S), PROVIDE FREE SHUTTLE (WORK TRUCK, VAN, OR BUS OK) + CONTACT INFORMATION/PHONE BOX/LABORER.
   (D) STOP WORK OPS & ESCORT BICYCLISTS THROUGH SHOULDER CLOSURE.
   (E) ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES.

SHOULDER CLOSURE WITH ENCROACHMENT (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\403Hwy40-Shldr.dgn			REGION NO.	STATE	FED.AID PROJ.NO.	PLAN REF NO. TC403
TIME	2:59:15 PM			10	WASH		
DATE	1/24/2024			JOB NUMBER			
PLOTTED BY	LintzF						
DESIGNED BY				CONTRACT NO.		LOCATION NO.	
ENTERED BY							
CHECKED BY							
PROJ. ENGR.							
REGIONAL ADM.	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

TYPICAL TRAFFIC CONTROL PLANS

SHEET 2 OF 2 SHEETS

APPENDIX F

Topographic Survey

ATTENTION PROPERTY OWNERS
AND
CONTRACTORS

CALL BEFORE
YOU DIG
1-800-424-5555

The Cowlitz County Utility Coordination Council is comprised of local utilities whose common purpose is to help prevent accidents and damages to their underground facilities. ONE TELEPHONE CALL, 1-800-424-5555, two (2) working days prior to digging will relay a message to these utilities. On the next page is a listing of utilities and entities belonging to the Council.

Forty-eight (48) hours' notice (excluding weekends and holidays) is requested to permit our locators to mark our facilities for you. ONE CALL answering service is available twenty-four (24) hours a day, seven (7) days a week. All calls are recorded. (EMERGENCY LINE LOCATES ARE AVAILABLE AT ALL TIMES).

RCW 19.122.010, Washington Laws, 1988, Chapter 99 on Underground Utilities states that utilities shall be assigned "...responsibilities for locating and keeping accurate records of utility locations, protecting and repairing damage to existing underground facilities, and protecting the public health and safety from interruption in utility services caused by damage to existing underground utility facilities."

Callers are asked to use white paint to show their proposed path of excavation. Each locator uses a different color paint to show their underground facility (see reverse page). Digging should be done by hand 18" on either side of marking until utility is visible, before using other equipment.

PLAN FOR SAFETY – CALL BEFORE YOU DIG
LOCATING SERVICES ARE FREE

Thank you,

Cowlitz County
Utility Coordination Council

THE FOLLOWING LOCAL UTILITIES, ENTITIES AND OTHERS FORM THE COWLITZ COUNTY UTILITY COORDINATION COUNCIL:

		COLOR CODE
POWER	P.U.D. OF COWLITZ COUNTY	RED
GAS	CASCADE NATURAL GAS NORTHWEST PIPELINE CORPORATION OLYMPIC PIPE LINE COMPANY	YELLOW
TELEPHONE	AT&T GENERAL TELEPHONE KALAMA TELEPHONE U.S. SPRINT COMMUNICATIONS CENTURY LINK VERIZON COMMUNICATIONS FRONTIER CASCADE NETWORKS	ORANGE
WATER	BEACON HILL SEWER DISTRICT CITY OF CASTLE ROCK CITY OF KALAMA CITY OF KELSO CITY OF LONGVIEW CITY OF WOODLAND COWLITZ COUNTY PUBLIC WORKS P.U.D. OF COWLITZ COUNTY	BLUE
SEWER	BEACON HILL SEWER DISTRICT CITY OF CASTLE ROCK CITY OF KALAMA CITY OF KELSO CITY OF LONGVIEW CITY OF WOODLAND COWLITZ COUNTY PUBLIC WORKS (includes leachate pipeline)	GREEN
T.V. CABLE	COMCAST	ORANGE
	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION	

(OTHER UTILITIES MAY JOIN IN THE FUTURE – PLEASE ASK THE OPERATOR)

REPORT ALL EMERGENCIES TO “911”. All other damages should be reported directly to the utilities involved.

Nicks in insulation of gas, power or telephone should be reported to utilities promptly, as failure later can cause serious injuries or damages.

END OF CONTRACT