Cowlitz County
Department of Public Works

CONTRACT DOCUMENTS
FOR

2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT

Cowlitz County Project No. 2026

MARCH 2026

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

Cowlitz County
Department of Public Works

CONTRACT DOCUMENTS
FOR

2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT

Cowlitz County Project No. 2026

FEBRUARY 2026

3/10/26

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 3/10/26

Susan Eugenis, P.E. Date
County Engineer

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2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT

***Included as indicated but numbered independently.

CALL FOR BIDS

The Board of County Commissioners of Cowlitz County, Washington will receive sealed bids until _____, 2026, **prior to 1:30 p.m.**, for the following work: **2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT.**

Work performed under this contract consists of the following:

Pavement planing and hot mix asphalt overlay paving of various County roads and associated work.

At that time all bids will be publicly opened and read in the Public Works Administration Building Training Room. Bids must be addressed to:

Cowlitz County Department of Public Works
Attn: County Engineer
1600 13th Avenue South
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.

In accordance with RCW 39.34.030, other public agencies may contract with the successful bidder with the unit prices in this Contract, provided that the successful bidder is willing.

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 _____ day of _____, 2026.

BOARD OF COUNTY COMMISSIONERS
OF COWLITZ COUNTY, WASHINGTON

_____
Richard R. Dahl, Chairman

_____
Steve Rader, Commissioner

_____
Steven L. Ferrell, Commissioner

ATTEST:

_____
Kelly Grayson, Clerk of the Board

BIDDER'S CHECKLIST

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

2026 COUNTYWIDE PAVEMENT OVERLAY 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. APPRENTICE UTILIZATION PLAN – In accordance with Special Provisions Section 1-07.9, this form shall be submitted within 30 calendar days of execution, however no later than the preconstruction meeting.

☒ 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.

☐ 15. BIDDER QUESTIONNAIRE – To be filled in and signed by BIDDER.

PROPOSAL FORM

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

FOR: **2026 COUNTYWIDE PAVEMENT OVERLAY 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 **2025** 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 Department of Public Works
Attn: County Engineer
1600 13th Avenue South
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. Prequalification. Cowlitz County has no prequalification requirements. All provisions in the Standard Specifications relating to prequalification are deleted. See Paving Contractors Project Information Standard Questionnaire (attached with Bid Documents), for requirements necessary to be considered a qualified bidder.

6. Paving Contractor's Project Information Standard Questionnaire. Cowlitz County requires qualification of all bidders for this project to ensure award to the lowest and best bidder (RCW 36.77.040). All bidders are required to complete the Paving Contractor's Project Information Standard Questionnaire attached hereto. Failure to complete the Standard Questionnaire will result in the proposal being non-responsive, and irregular and rejected as per Section 1-02.13 of the Standard

Specifications. The bidder should list a minimum of three jobs requiring 7,000 tons or more of hot mix asphalt paving completed during the timeframe specified on the Paving Contractor's Project Information Standard Questionnaire. If the bidder proposes placement of the asphalt pavement by a subcontractor, the subcontractor shall complete the Standard Questionnaire. The minimum requirements for the subcontractor shall be the same as for the Contractor.

7. 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	Lump Sum	Mobilization		
3	1,500 Hours	Flaggers		
4	300 Hours	Contractor Piloted Traffic Control		
5	4,913 Ton	HMA Class 3/8 Inch - PG 58H-22 (Castle Rock Area)		
6	6,785 Ton	HMA Class 3/8 Inch - PG 58H-22 (Kalama Area)		
7	4,973 Ton	HMA Class 3/8 Inch - PG 58H-22 (Kelso Area)		
8	5,771 Ton	HMA Class 3/8 Inch - PG 58H-22 (Longview Area)		
9	30 Ton	HMA Class 3/8 Inch PG 58H-22 For Approach		
10	18,932 S.Y.	Planing Bituminous Pavement		
11	Calculation	Asphalt Cost Price Adjustment	0.00	0.00

Item No.	Approximate Quantity	ITEM	UNIT PRICE $	AMOUNT $
12	11 Each	Adjusting Manholes/Catch Basins		
13	43 Each	Adjusting Valve Boxes/Monument Cases		

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: _____

Paving Contractor's Project Information
Standard Questionnaire

This Information must be provided to be considered a qualified bidder.

1. How many years has your organization been in business as a paving contractor under your present business name? _____

2. List at least three paving projects your company has satisfactorily completed since January 1, 2020. Only list projects that used 7,000 tons or more.

	Contract Tonnage	Compl. Date	Prime or Sub.	Title/Contract Number	Contracting Agency and Mailing Address, Name and Phone of Owner/Agency Rep.
2a.					
2b.					
2c.					
2d.					
2e.					

BID DEPOSIT FORM

2026 COUNTYWIDE PAVEMENT OVERLAY 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 _____, 2026.

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

E-VERIFY DECLARATION

2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT

Cowlitz County Project No. 2026

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 _____, 2026.

Signature _____

Printed Name _____

THIS PAGE MUST BE RETURNED WITH THE BID DOCUMENTS

COMPLIANCE WITH WAGE PAYMENT LAWS DECLARATION

2026 COUNTYWIDE PAVEMENT OVERLAY PROJECT
Cowlitz County Project No. 2026

Firm Name: _____

1. The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date March 17, 2026, 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 _____2026.

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: **2026 COUNTYWIDE PAVEMENT OVERLAY 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: **1-13**.

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 **2025** 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. It is not anticipated that any excavation 4-feet or more in depth will be required for completion of the Work under this contract. Therefore, no bid item for trench safety systems is included in the bidder's proposal. In the event in the performance of the contract the Engineer directs excavation such that shoring or extra excavation is required as determined by the Engineer, payment to the Contractor for such work will be made in accordance with Standard Specifications Section 1-04.4.

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
_____	_____
Steve Rader, Commissioner	Signatory Authorized by Firm Bylaws to Bind Contractor
_____	_____
Steven L. Ferrell, Commissioner	Title
ATTEST:	
_____	_____
Kelly Grayson, 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: **2026 COUNTYWIDE PAVEMENT OVERLAY 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

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*, 2025 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 *** Pavement planing and hot mix asphalt overlay paving of various County roads *** 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 – Pavement Overlay Tonnages / Locations
Appendix B – WSDOT Work Zone Traffic Control Standard Plans

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")	0	Furnished automatically upon award.
Contract Provisions	2	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	0	Furnished only upon request.

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

1-02.4(1) General

(December 30, 2022 APWA GSP Option B)

The first sentence of the ninth paragraph, beginning with "Prospective Bidder desiring...", is revised to read:

Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business ***5*** business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.5 Proposal Forms

(November 25, 2024 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 DBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be in legible figures (not words) written in ink or typed and expressed in U.S. dollars. 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

Preparation of Proposal
November 25, 2024 APWA 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.

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 bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture.

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

(July 8, 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" (Written Confirmations Documents, or GFE Documentation) that is received after the time specified, 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.

Supplemental bid information submitted after the Proposal submittal but within 48 hours of the time specified for receipt of Proposals, shall be submitted in a sealed envelope labeled the same as for the Proposal, with "Supplemental Information" added.

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 Document (WSDOT Form 422-031) and/or GFE Documentation, (if applicable)
The DBE Written Confirmation Documents and/or GFE Documentation are not required to be submitted with the Proposal. The DBE Written Confirmation Document(s) and/or GFE Documentation (if applicable) shall be received either with the Bid Proposal or as a Supplement to the Bid. Written Confirmation and/or GFE Documentation 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 a Written Confirmation Document from each DBE firm listed on the Bidder's completed DBE Utilization Certification and/or the GFE Documentation as required by Section 1-02.6.

DBE Bid Item Breakdown Form (WSDOT Form 272-54)
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. To be considered responsive, Bidders shall submit a completed DBE Bid Item Breakdown, however, the Contractor may correct minor errors to the DBE Bid Item Breakdown for a period up to five calendar days after bid opening (not including Saturdays, Sundays and Holidays). DBE Bid Item Breakdowns 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:

Cowlitz County Department of Public Works
Attn: County Engineer
1600 13th Avenue South
Kelso, WA 98626

1-02.13 Irregular Proposals

(September 3, 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 Bidder fails to submit the Bidder Questionnaire (DOT Form 272-022), if applicable as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
    k. 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.

1-05.7 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).

1-07.7 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.

1-07.8 High-Visibility Apparel

The third and fourth paragraphs of Section 1-07.8 are revised to read:

(November 4, 2024)

High-visibility garments shall always be the outermost garments worn in a manner to ensure 360 degrees of uninterrupted background and retroreflective material encircling the torso.

High-visibility garments shall be labeled as, and in a condition compliant with the ANSI/ISEA 107-2015 publication entitled "American National Standard for High-Visibility Safety Apparel and Accessories," or equivalent revisions.

1-07.9(3) Apprentices

(*******)

Section 1-07.9(3) is supplemented with the following:

Apprentice Utilization

This Contract includes an Apprentice Utilization Requirement. Fifteen percent or more of project Labor Hours shall be performed by Apprentices unless Good Faith Efforts are accepted. Apprentice Utilization will be determined using the Department of Labor and Industries (L&I) online Prevailing Wage Intent & Affidavit (PWIA) system.

Definitions

For the purposes of this specification the following definitions apply:

1. Apprentice is a person enrolled in a State-approved Apprenticeship Training Program.

2. Apprentice Utilization is the apprentice labor hours, on the project, expressed as a percentage of project Labor Hours based on certified payrolls or the affidavits of wages paid, whichever is least. The percentage is not rounded up.

3. Apprentice Utilization Requirement is the minimum percentage of apprentice labor hours required by the Contract.

4. Good Faith Effort(s) (GFE) describes the Contractor's efforts to meet the Apprentice Utilization Requirement including but not limited to the specific steps as described elsewhere in this specification.

5. Labor Hours are the total hours performed by all workers receiving an hourly wage who are subject to prevailing wage requirements for work performed on the Contract as defined by RCW 39.04.310. Labor Hours are determined based on the scope of work performed by the individuals, rather than the title of their occupations in accordance with WAC 296-127.

6. State-approved Apprenticeship Training Program is an apprenticeship training program approved by the Washington State Apprenticeship Council.

7. Apprentice Wage Rates are the applicable wage rates that are to be paid for an apprentice registered in a training program, separate from Journey Level rates, as set by the Washington State Apprenticeship Training Council and Washington State Department of Labor and Industries (L&I).

Electronic Reporting

The Contractor shall use the PWIA System to submit the "Apprentice Utilization Plan". Reporting instructions are available in the application.

Apprentice Utilization Plan

The Contractor shall submit an "Apprentice Utilization Plan" by filling out the Apprentice Utilization Plan Form (WSDOT Form 424-004) or other form approved by the Contracting Agency within 30 calendar days

of Contract execution, however no later than the preconstruction meeting, demonstrating how and when they intend to achieve the Apprentice Utilization Requirement. The Plan shall be in sufficient detail for the Engineer to track the Contractor's progress in meeting the utilization requirements. An Apprentice Utilization Plan shall be updated and resubmitted as the Work progresses or when requested by the Engineer or other Contracting Agency representative.

If the Contractor is unable to demonstrate the ability to meet the Apprentice Utilization Requirement with their initial Apprentice Utilization Plan submission, an effort must be made to find additional registered apprentices to perform on the contract. If after attempts have been made at every tier and every scope, the Contractor must submit GFE documentation to the Contracting Agency. The Contractor shall actively seek out opportunities to meet the Apprentice Utilization Requirement during the construction Work.

Subcontracts

The Contractor must not require subcontractors to attain more than 15% of a subcontract's proposed labor hours for the subcontract's scope of Work.

Contacts

The Contractor may obtain information on State-approved Apprenticeship Training Programs by using the Apprentice Registration and Tracking System (ARTS) https://secure.lni.wa.gov/arts-public/#/program-search or contacting the Department of Labor and Industries directly at:

> Specialty Compliance and Services Division, Apprenticeship Section, P.O. Box 44530, Olympia, WA 98504-4530 or by phone at (360) 902-5320.

Compliance

The Contractor is expected to make attempts to employ Apprentices and shall include the requirement in any subcontracts at any tier. In the event that the Contractor is unable to achieve the Apprentice Utilization Requirement, the Contractor shall submit GFE documentation demonstrating the efforts and attempts they made. Final GFE documentation shall be submitted to the Contracting Agency after Substantial Completion but no later than 30 days after Physical Completion.

If the Contractor fails to actively attempt to employ Apprentices, submit GFE documentation, or if the Engineer does not approve the GFE, the Contractor will be assessed a penalty. The Engineer will provide the Contractor with a written notice at Final Acceptance of the project informing the Contractor of the failure to comply with this specification which will include a calculation of the penalty to be assessed as provided for in the Payment section in this special provision.

If the Contractor achieves the required Apprentice Utilization an incentive will be assessed with Final Payment.

Good Faith Efforts

The GFE shall document the attempts (efforts) the Contractor (and any subcontractor at any tier) made to meet the Apprentice Utilization Requirement. Emails, letters, or other written communications with letterhead, titles, and contact information are required.

Documentation must include one or more of the following accepted GFEs:

1. Demonstrated Lack of Availability of Apprentices. Correspondence from State-approved Apprenticeship Training Program(s), with project specific responses confirming there is a lack of availability of Apprentices for this project.

2. Demonstrated Disproportionate Ratio of Material/Equipment/Products to Labor Hours. Documentation explaining the bid includes a disproportionate high cost of material/equipment/products to Labor Hours. (e.g., a $2 M estimated contract includes $1 M or more in procurement costs of equipment to be installed.)

3. Demonstrated Lack of Necessary Labor Hours. Correspondence from a State-approved Apprentice Training Programs confirming there is not enough time in the project to meet required journey level to apprentice training ratios.

4. Demonstrated Lack of Available Approved Programs. Correspondence from State-approved Apprentice Training Programs, confirming there are no programs that train for the scopes included/anticipated on the project. Contractor and state programs to submit training program detail needs and details that could be used for future program creation.

5. Funding Precedent. Documentation that shows conflicting, more restrictive, or precedent requirements for other training on the Project. Examples include, but are not limited to, Tribal Employment Rights (TERO), Federal Training Hours, or Special Training that affect the ability to use state-registered apprentices.

6. Warranty Work. Documentation from Original Equipment Manufacturers, or similar, confirming that Work performed must only be completed by certified journey-level installers or risk voiding warranty, or similar.

7. Other Effort. The Contractor may submit other evidence, documentation, or rationale for not being able to achieve the required Apprentice Utilization that are not covered in the other efforts named. Other efforts will still need to be corroborated by an independent, knowledgeable third-party.

Contractors may receive a GFE credit for graduated Apprentice hours through the end of the calendar year for all projects worked on as long as the Apprentice remains continuously employed with the same Contractor/subcontractor they were working for when they graduated. If an Apprentice graduates during employment on a project of significant duration, they may be counted towards a GFE credit for up to one year after their graduation or until the end of the project (whichever comes first). Determination of whether Contract requirements were met in good faith will be made by subtracting the hours from the journeyman total reported hours for the project and adding them to the apprentice hour total. If the new utilization percentage meets the Contract requirement, the Contractor will be reported as meeting the requirement in good faith.

Approving Good Faith Efforts

The Contracting Agency will review submitted Good Faith Efforts and issue a determination. The Engineer may request additional information, documentation, evidence or similar in order to approve such efforts. A determination by the Engineer is final. The approved Good Faith Efforts will be loaded into the PWIA system by the Contracting Agency.

Measurement

Apprenticeship hours used to calculate the item "Apprentice Incentive/Penalty", by calculation, will be measured for each hour of Work performed by an apprentice as shown on the Monthly Apprentice Utilization Report, based on certified payrolls or the affidavits of wages paid, whichever is least. The percentage is not rounded up. The calculation of incentive/penalty will be assessed based on the Final Payment for Contractors who meet the Apprentice Utilization Requirement without a reduction by Good Faith Effort.

Payment

Payment will be made for the following Bid Items when included in the proposal:

"Apprenticeship Incentive", by calculation.

When the Contractor meets the apprenticeship requirement of 15%, payment for this bid item shall be $1,000. If the Contractor fails to meet the apprenticeship requirement of 15%, payment for this bid item shall be $0.

For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an Incentive amount in the proposal to become a part of the total bid by the Contractor.

"Apprenticeship Penalty", by calculation.

When the Contractor fails to meet the apprenticeship requirement of 15%, a penalty will be assessed for each hour that is not achieved, unless a Good Faith Effort is approved by the Contracting Agency.

A "penalty assessment" will be applied to every hour of shortfall of the minimum required apprentice hours, as shown in the Apprenticeship Utilization data reported through the MySecure L&I webpage, using the applicable published rate of a step-1 apprentice laborer. The penalty assessment will be applied against the final payment to Contractors. If the final payment amount is less than the penalty assessment the County will invoice the Contractor for the remaining penalty amount. The County will not request approval to release Retainage or Performance Bond from Department of Revenue, Department of Labor and Industries and Employment Security Department until the penalty has been satisfied in full. Under no circumstances will the total penalty assessment exceed five percent (5%) of the total contract sum.

For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an Incentive amount in the proposal to become a part of the total bid by the Contractor.

The Contractor shall include all related costs in the unit Bid prices of the Contract, included but not limited to implementing, developing, documenting, and administering an apprenticeship utilization program, recording and reporting hours and all other costs to comply with this provision.

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

Gas: Cascade Natural Gas
2688 Coweeman Park Dr.
Kelso, Washington 98626
(888) 522-1130

Nippon Dynawave Packaging Company
3401 Industrial Way
Longview, Washington 98632
(360) 425-2150

Telephone:

Lumen Technologies
4501 NE Minnehaha St, Bldg II
Vancouver, WA 98661
(564) 888-2024

Kalama Telephone
PO Box 1068
Kalama, Washington 98625
(360) 673-2764

Sprint Communications
2210 S. 35th Street
Tacoma, WA 98409
(360) 402-4159

Ziply Fiber
354 S. 4th St.
P.O. Box 535
Coos Bay, OR. 97420
(503) 626-3270

Water/Sewer:

City of Kelso
PO Box 819
Kelso, Washington 98626
(360) 423-6590

Cowlitz County Public Works (includes Leachate Pipeline)
1600 – 13th Avenue South
Kelso, Washington 98625
(360) 577-3030

City of Longview
Utility Operations Center
1460 Industrial Way
Longview, Washington 98632
(360) 442-5700

City of Kalama
6300 Old Pacific Highway South
Kalama, Washington 98625
(360) 673-3706

Beacon Hill Sewer District
1121 Westside Highway
Kelso, Washington 98626
(360) 636-3860

City of Castle Rock
360"A" Street
Castle Rock, Washington 98611
(360) 274-7478

Fiber Optic: Cascade Networks
1111 11th Avenue
Longview, WA 98632-3109
(360) 414-5990

Lumen Technologies
4501 NE Minnehaha St, Bldg II
Vancouver, WA 98661
(564) 888-2024

AT&T
11241 Willows Road NE Suite 130
Redmond, WA 98052

Zayo Fiber Solutions
2101 4th Avenue, Suite 2000
Seattle, Washington 98121
(702) 755-1143

Cable: Comcast
6916 NE 40th Street
Vancouver, WA 98661
(360) 891-3204**

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 <u>not</u> 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.

1-07.18(5)D Excess or Umbrella Liability
(January 4, 2016 APWA GSP)

The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than $5 million each occurrence and annual aggregate. This excess or umbrella liability coverage shall be excess over and as least as broad in coverage as the Contractor's Commercial General and Auto Liability insurance.

All entities listed under 1-07.18(2) of these Special Provisions shall be named as additional insureds on the Contractor's Excess or Umbrella Liability insurance policy.

This requirement may be satisfied instead through the Contractor's primary Commercial General and Automobile Liability coverages, or any combination thereof that achieves the overall required limits of insurance.

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.

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

(July 8, 2024 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 review DBE Requirements, Training Plans, and Apprenticeship Plans, when applicable.

5. To establish normal working hours for the work;
6. To review safety standards and traffic control; and
7. 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
(*******)

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 *** 30 *** 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.

1-09.7 Mobilization

(December 30, 2022 APWA GSP)

Delete this Section and replace it with the following:

Mobilization consists of preconstruction expenses and the costs of preparatory Work and operations performed by the Contractor typically occurring before 10 percent of the total original amount of an individual Bid Schedule is earned from other Contract items on that Bid Schedule. Items which are not to be included in the item of Mobilization include but are not limited to:

1. Portions of the Work covered by the specific Contract item or incidental Work which is to be included in a Contract item or items.

2. Profit, interest on borrowed money, overhead, or management costs.
3. Costs incurred for mobilizing equipment for force account Work.

Based on the lump sum Contract price for "Mobilization", partial payments will be made as follows:

1. When 5 percent of the total original Bid Schedule amount is earned from other Contract items on that original Bid Schedule, excluding amounts paid for materials on hand, 50 percent of the Bid Item for mobilization on that original Bid Schedule, 5 percent of the total of that original Bid Schedule, or 5 percent of the total original Contract amount, whichever is the least, will be paid.
2. When 10 percent of the total original Bid Schedule amount is earned from other Contract items on that original Bid Schedule, excluding amounts paid for materials on hand, 100 percent of the Bid Item for mobilization on that original Bid Schedule, 10 percent of the total of that original Bid Schedule, or 10 percent of the total original Contract amount, whichever is the least, will be paid.
3. When the Substantial Completion Date has been established for the project, payment of any remaining amount Bid for mobilization will be paid.

Nothing herein shall be construed to limit or preclude partial payments otherwise provided by the Contract.

1-09.9 Payments

(July 8, 2024, APWA GSP, Option B)

Delete the fourth paragraph and replace it with the following:

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 payment. 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.

(July 8, 2024 APWA GSP, Option A)

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.

1-09.13(4) Venue for Litigation
(December 30, 2022 APWA GSP)

Revise this section to read:

Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. It is mutually agreed by the parties that when litigation occurs, 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.

1-10 TEMPORARY TRAFFIC CONTROL
1-10.2 Traffic Control Management
1-10.2(1) 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.

1-10.4 Measurement

1-10.4(2) Item Bids With Lump Sum for Incidentals

Section 1-10.4(2) is supplemented with the following:

(August 2, 2004)
The bid proposal does not contain the item "Project Temporary Traffic Control," lump sum. The provisions of Section 1-10.4(2) shall apply.

(*******)
Delete Section 1-10.4(2) and replace with the following:

Section 1-10.4(2) Item Bids With Lump Sum for Incidentals

When the Bid Proposal does not contain the item "Project Temporary Traffic Control", Sections 1-10.4(1) and 1-10.5(1) are deleted and the Bid Proposal will contain some or all of the following items, measured as noted.

"Flaggers" will be measured by the hour. Hours will be measured for each flagging station, shown on an approved Traffic Control Plan, when that station is staffed in accordance with Section 1-10.3(1)A. When a flagging station is staffed on an intermittent basis, no deduction will be made in measured hours provided that the person staffing the station is in a standby mode and is not performing other duties. Hours will also be measured for flaggers performing the duties of setting up and removing traffic control signs and devices before and after the flagging stations are staffed. (Highlighted sentence is used if no bid item for Other temporary Traffic Control)

"Contractor Piloted Traffic Control" will be by the hour for any one pilot car control area.

1-10.5 Payment

1-10.5(2) Item Bids With Lump Sum for Incidentals

Add the following to Section 1-10.5(2):

(*******)
"Contractor Piloted Traffic Control", per hour.

The unit contract price per hour shall be full pay for all costs involved in furnishing the pilot car(s), pilot car driver(s), and the appropriate pilot car sign(s) for any one pilot car operation. Any necessary flaggers will be paid under the item for flaggers.

There will be no adjustment of the unit Contract price per hour for Contractor Piloted Traffic Control due to overtime work unless the Engineer has specifically directed such overtime work.

Delete the fifth and sixth paragraphs of Section 1-10.5(2), which begin "'Flaggers', per hour." and "The unit Contract price...", respectively, and replace with the following:

(*******)
"Flaggers", per hour.
The unit Contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 1-10.3(1)A and Section 1-10.3(1)B. Payment for Flaggers shall also include performing the duties of the Traffic Control Supervisor, furnishing, installing and removing construction signs, barricades, flashers, cones, traffic safety drums, and other temporary traffic control devices.

Cowlitz County will not in any event pay for Flaggers at overtime rates unless the Engineer has specifically directed such overtime work.

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: MOBILIZATION

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

BID ITEM 3: FLAGGERS

BID ITEM 4: CONTRACTOR PILOTED TRAFFIC CONTROL

These bid items 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: HMA CLASS 3/8 INCH PG 58H-22 (CASTLE ROCK AREA)

BID ITEM 6: HMA CLASS 3/8 INCH PG 58H-22 (KALAMA AREA)

BID ITEM 7: HMA CLASS 3/8 INCH PG 58H-22 (KELSO AREA)

BID ITEM 8: HMA CLASS 3/8 INCH PG 58H-22 (LONGVIEW AREA)

BID ITEM 9: HMA CLASS 3/8 Inch PG 58H-22 FOR APPROACH

BID ITEM 10: PLANING BITUMINOUS PAVEMENT

BID ITEM 11: ASPHALT COST PRICE ADJUSTMENT

These bid items shall be accomplished in accordance with the Plans, the following APWA GSP for Section 5-04, as modified by Cowlitz County, and the subsequently following WSDOT GSP for Asphalt Cost Price Adjustment. 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

(December 12, 2025 APWA GSP)

Delete Section 5-04 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. * (see below)
- 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. * (see below)

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 required, 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 placement 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. PG grade asphalt or non-tracking tack formulas may be used upon approval of the Engineer.

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 placed 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), except as specified below in (c). 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.

c. These tolerances and specification limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the control points, except the No. 8 tolerance is +/- 6% from the JMF, the No. 200 tolerance is +/- 2.0% from the JMF with a minimum of 2% and a maximum of 8.0% passing the No. 200 sieve. Other tolerance limits for sieves designated as 100 percent passing will be 99-100

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 be 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 $1500 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 placed 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 placed against the cut. Rollers or tamping irons shall be used to seal the joint.

The HMA overlay shall be feathered to produce a smooth riding connection to the existing pavement.

HMA utilized in the construction of the feathered connections shall be modified by eliminating the coarse aggregate from the mix at the Contractor's plant or the commercial source or by raking the joint on the roadway, to the satisfaction of the Engineer.

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 $1500.00 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 (Milling) Bituminous Pavement

Planing depth shall match the overlay thickness shown in Appendix A, Pavement Overlay Tonnages / Locations.

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. <u>This includes notification of the public of areas where parking will be prohibited during planing or paving operations, including any necessary "TEMPORARY NO PARKING" signs.</u>

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

No specific unit of measurement will apply to the calculated item of asphalt cost price adjustment.

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.

"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.

(January 13, 2021)
Asphalt Cost Price Adjustment
The Contracting Agency will make an Asphalt Cost Price Adjustment, either a credit or a payment, for qualifying changes in the reference cost of asphalt binder. The adjustment will be applied to partial payments made according to Section 1-09.9 for the following bid items when they are included in the proposal:

"HMA Cl. ___ PG ___"
"HMA for Approach Cl. ___ PG ___"
"HMA for Preleveling Cl. ___ PG ___"
"HMA for Pavement Repair Cl. ___ PG ___"
"Commercial HMA"

The adjustment is not a guarantee of full compensation for changes in the cost of asphalt binder. The Contracting Agency does not guarantee that asphalt binder will be available at the reference cost.

The Contracting Agency will establish asphalt binder reference costs twice each month and post the information on the Agency website at: https://wsdot.wa.gov/business-wsdot/contracts/about-public-works-contracts/payments-reporting/asphalt-binder-reference-cost. The reference cost will be determined using posted prices furnished by Poten & Partners, Inc. If the selected price source ceases to be available for any reason, then the Contracting Agency will select a substitute price source to establish the reference cost.

Price adjustments will be calculated one time per month. No price adjustment will be made if the Current Reference Cost is within +/-5% of the Base Cost. Reference costs for projects located in Eastern versus Western Washington shall be selected from the column in the WSDOT website table labeled "Eastern", or "Western", accordingly. The adjustment will be calculated as follows:

If the reference cost is greater than or equal to 105% of the base cost, then Asphalt Cost Price Adjustment = (Current Reference Cost – (1.05 x Base Cost)) x (Q x 0.056).

If the reference cost is less than or equal to 95% of the base cost, then Asphalt Cost Price Adjustment = (Current Reference Cost – (0.95 x Base Cost)) x (Q x 0.056).

Where: Current Reference Cost is selected from the website table based on the "Date Effective" that immediately precedes the current month's progress estimate end date. For work completed after all authorized working days are used, the adjustment will be based on the posted reference cost during which contract time was exhausted.

Base Cost is selected from the website table based on the "Date Effective" that immediately precedes the contract bid opening date, and shall be a constant for all monthly adjustments.

Q = total tons of all classes of HMA paid in the current month's progress payment.

"Asphalt Cost Price Adjustment", by calculation.
"Asphalt Cost Price Adjustment" will be calculated and paid for as described in this section. For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

BID ITEM 12: ADJUSTING MANHOLES/CATCH BASINS
BID ITEM 13: ADJUSTING VALVE BOXES/MONUMENT CASES
These bid items shall be accomplished in accordance with the Plans and Standard Specifications and the following Special Provision incorporated in this Contract as Section 7-20.

7-20 ADJUSTING VALVE BOXES, MONUMENT CASES AND MANHOLES
7-20.1 Description
This work consists of adjusting tops of manholes, boxes, and other similar structures.
Definitions:

Adjustments – To raise, lower, or reconstruct structures to a new top elevation flush with the surrounding surface.

Boxes – Valve boxes, meter boxes, monument boxes and other similar structures, with a cylindrical or rectangular body and removable cover for protection of and access to valves, meter, monuments, markers, etc.

Catch Basins – Stormwater inlet structures with traffic rated frame and grate to collect surface water,

connected to storm sewer pipes for stormwater conveyance.

Manholes – Manholes, sumps and similar structures designed to permit entry and working space usually at intersections of sewer pipes and storm drains.

Manhole Necks – That upper portion of a manhole having vertical walls and a uniform diameter or dimension just sufficient to receive and support the metal frame.

7-20.2 Materials

Materials used to adjust structures shall be either existing materials in a condition suitable for reuse, as determined by the engineer, or new materials that meet Section 7-05.2.

High Early Strength Concrete – High early strength concrete shall conform to the requirements of commercial concrete except it shall contain a minimum 705 pounds (7.5 sacks) of Type III or Type IIIA cement or an approved Type C or Type E admixture with a minimum 592 pounds (6.3 sacks) of Type I or Type II cement.

7-20.3 Construction

Excavate and backfill according to Section 2-09. Remove and dispose of old concrete and other materials according to Section 2-03.3(7)C.

Obtain approval before reusing salvaged metal frames, covers, grates and fittings on structures to be adjusted.

When concrete is poured around frames, paint the portion of the frame that will contact the concrete with hot asphalt before the concrete is poured.

Provide high early strength concrete, when shown on the plans or when traffic is required to traverse the structure due to staging requirements. The Engineer will determine the length of curing time. Construct all cement concrete per the following:

Concrete approaches shall be constructed at the locations shown in the Plans or as designated by the Engineer and in accordance with the contract documents.

Approach concrete can be standard Portland cement concrete pavement or Class 4000 conforming to the requirements of Section 6-02. Approach concrete may be placed, compacted, and finished using hand methods. The tools required for these operations shall be approved by the Engineer.

Curing of approach concrete shall be in accordance with Section 5-05.3(13).

Concrete approaches may be opened to traffic in accordance with Section 5-05.3(17).

New construction shall conform to Section 7-05.

Repair, replace, or restore to existing condition, any sump backfill, inlet base drains, aggregate bases, and pavements disturbed or fouled by the adjustment work as directed.

7-20.3(1) Raising Manholes

After the existing frames, covers and grates have been removed, chip away the exposed top surface of concrete to a depth of at least ¼-inch to expose firm concrete. Clean the new surface by brushing and moisten with water at the time of placing new concrete. For manholes and sumps, place new concrete to the required grade and cure at least 3 days when using ordinary concrete, or as directed when using high early strength concrete. Then seat the frame in fresh mortar to proper grade.

Raise the tops of masonry structures with commercial concrete as per Section 6-02.3(2)B.

Limitations:

Manhole Necks, Domes, and Cones – Manhole necks may be adjusted with rings provided the distance from the new top elevation of the metal cover to the bottom of the neck is not more than 2 feet. If this dimension exceeds 2 feet, then remove the dome or cone, in part or in whole, and reconstruct or modify to provide a batter slope that does not exceed 6 inches horizontal per 12 inches vertical.

Mortar and Concrete Thickness – Do not place mortar more than 2 inches thick. Do not place concrete less than 3-1/2 inches thick. If necessary, cut down the existing shells or walls of structures to provide clearance for the new construction.

Metal Rings and Plates – Fabricated metal rings and plates may be furnished and used in the adjustment work, provided:

The metal and its fabrication design are at least equal to the strength and support required for covers or grates.

That uniform bearing of bearing surfaces is assured.

Positive safeguards are made against displacement when in service.

7-20.3(2) Precast Concrete Structures

Precast structures may be raised by using precast sections or concrete rings provided:

- The material conforms to the general requirements of the existing structures.
- Sections and rings are set and jointed to each other and to existing sections.
- That uniform bearing of bearing surfaces is assured.
- Positive safe guards are made against displacement when in service.

7-20.3(3) Adjusting Catch Basins, Boxes and Similar Structures

Raise or lower catch basins, boxes, and other similar structures to grade by:

a. Installation of adjustment rings.
b. Adding extensions of like material below the original structure if raising the structure to a point where it would not enclose or protect its contents.
c. Placing precast concrete box extensions, or on cast-in-place concrete.

7-20.3(4) Finished Grade

Center a 10-foot straightedge, as far as practical, over the center of the cover of manholes and boxes. The final grade of the pavement surface and adjusted manholes and boxes shall not vary more than 1/8 inch from the finish grade and cross section at any point along the straightedge.

7-20.3(5) Survey Monuments without Existing Casing

In locations where 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.

7-20.4 Measurement

The quantities of adjusted manholes and boxes, and other similar structures shall be measured on a unit basis, per each by actual count. Protection of survey monuments with no existing casing shall not be measured for payment, because this work is incidental to other items of work.

7-20.5 Payment

The accepted quantities shall be paid for at the contract unit price per each for the following bid items that are included in the proposal:

"Adjusting Manholes/Catch Basins", per each.
"Adjusting Valve Boxes/Monument Cases", per each.

Adjusting Manholes applies to manholes adjusted by raising or lowering the manhole neck.

Payment shall be payment in full for furnishing and placing all materials including all equipment, tools, labor, and appurtenances necessary to complete the work as specified.

Earthwork, backfill, protective coating, replacement of sump backfill, base drains, aggregate bases, pavements, concrete, and other miscellaneous work shall be included in the unit cost for each item. No separate measurement or payment will apply.

No payment will be made for protection of survey monuments with no existing casing because this work is included in the HMA bid items.

(January 5, 2026)
Standard Plans

The Washington State Department of Transportation *Standard Plans* M21-01, published September 2024, is made a part of this Contract with the following revisions:

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-50.40
Sheet 1, Plan View: The callout "BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21 OR TYPE 24 (SEE STANDARD PLAN C-25.20 OR C-25.30)" is revised to read "BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21, 24, OR 25 (SEE STANDARD PLAN C-25.20, C-25.30, OR C-25.32)"

A-60.40
Note 2 reference to "6-09.3(6)" is revised to read "6-21.3(7)".

B-55.20
General Note 3 reference to "2-09.4" is revised to read "3-07.4".

B-90.40
Valve Detail – DELETED

C-20.41
Note 4, First Sentence, "Box Culvert guardrail steel posts are not needed for fill depths greater than 40 inches." is revised to read; "Box culvert guardrail steel posts are not needed for fill depths greater than 46 inches. Provide 6-inches or greater of separation between the bottom of the guardrail post and top of the culvert"
BOX CULVERT POST ASSEMBLY, ELEVATION VIEW, post assembly length dimension "41" MIN. 72" MAX." is revised to read; "41" MIN. 78" MAX."
SECTION A, base material depth dimension - "9" MIN. 40" MAX. (SEE NOTE 4)" is revised to read: "9" MIN. 46" MAX. (SEE NOTE 4)"

C20-43
Note 4, First Sentence: "Box culvert guardrail steel posts are not needed for fill depths greater than 40 inches." is revised to read: "Box culvert guardrail steel posts are not needed for fill depths greater than

46 inches. Provide 6-inches or greater separation between the bottom of guardrail post and top of culvert."
Add a new KEY NOTE 4 - "IT IS PERMISSIBLE TO USE A 1" DIAM. ANCHOR ROD WITH TWO NUTS AND TWO – 1" DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(4) IN LIEU OF A HEX HEAD BOLT."
BOX CULVERT POST & BASE PLATE ASSEMBLY, ELEVATION VIEW, post assembly length dimension – "41" MIN. 72" MAX." is revised to read: "41" MIN. 78" MAX."
SECTION A, base material depth dimension - "9" MIN. 40" MAX. (SEE NOTE 4)" is revised to read: "9" MIN. 46" MAX. (SEE NOTE 4)"
Section A, callout – "1" (IN) DIAM. HEX HEAD BOLT (ASTM A 307, GR. A) W/NUT & 2 – 1" DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(1) ~ SEE NOTE 1", is revised to read:
"1" (IN) DIAM. HEX HEAD BOLT (ASTM A 307, GR. A) W/NUT & TWO – 1" DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(1) ~ SEE KEY NOTES 1 AND 4"
Elevation View, Weld symbol – callout, See (key Note Symbol) "4" is revised to read: See (key Note Symbol) "3"

C-23.70
Sheet 2, ANCHOR BRACKET ASSEMBLY DETAIL, dimension, "R. 5/16" is revised to read; R. 15/16"
ANCHOR PLATE DETAIL, weld callout (fillet), 1/4" is revised to read; 3/16"

C-60.20
Sheet 1, Plan view, callout – "1/2" (IN) DIAMETER X 6 1/2" (IN) LONG ANCHOR BOLT ~ PER STD. SPEC. SECT. 9-06.5(4) (TYPICAL) (SEE NOTE 7)" is revised to read: "5/8" DIAMETER x 6 1/2" (IN) LONG ANCHOR BOLT ~ PER STD. SPEC. SECT. 9-06.5(4) (TYPICAL) (SEE NOTE 7)"

C-70.15
BARRIER CONNECTION DETAIL, callout – "CENTER GRID IN CONNECTION BLOCKOUT AND FILL VOID WITH TYPE 3 GROUT (STD. SPECIFICATION SECTION 9-20.3(3) PLACED IN ACCORDANCE WITH STD. SPECIFICATION SECTION 6-20.3(20)" is revised to read "CENTER GRID IN CONNECTION BLOCKOUT AND FILL VOID WITH GROUT TYPE 3 (STD. SPECIFICATION SECTION 9-20.3(3) PLACED IN ACCORDANCE WITH STD. SPECIFICATION SECTION 6-02.3(20)"

C81.10
Sheet 1, TYPICAL SECTION – TRAFFIC BARRIER the R4 #6 bar on the traffic face may be placed 4" down from the top of the barrier to allow additional room to install BP railing or other attachments. The R4 bar shall be kept tight to the front R2 bar.
Sheet 4, the existing table "IMPACT SHEAR AND IMPACT MOMENT TABLE" is renamed to "IMPACT SHEAR AND MOMENT TABLE DECK OVERHANG AND CONNECTIONS" keynote 25 is still applicable.
Sheet 4, NOTES, the following Note is added: "3. Deck overhangs for this use constitute plain reinforced concrete typically around 8" in thickness, non-prestressed moment slabs or approach slabs, or plain reinforced and longitudinally prestressed box girders which employ a topping slab. Other Supporting Structure Systems inclusive of post-tensioned decks, walls, and or Structure segments tied together without a topping slab, with the ties in the barrier resistance load path, shall use the impact shear and moments for other supporting structures."

Sheet 4, the following table is added with a keynote 25.

IMPACT SHEAR AND MOMENT TABLE OTHER SUPPORTING STRUCTURES										
	Interior Segment					End Segment				
Roadway and Fill Height at Curb Line (in)	0	6	12	18	24	0	6	12	18	24
End Segment Length (ft)	-	-	-	-	-	10.00	10.50	11.25	11.75	12.50
Impact Moment (kip*ft/ft)	19.86	24.12	28.55	33.16	37.97	20.80	25.17	29.65	34.27	39.04
Impact Shear (kip/ft)	7.89	8.04	8.23	8.44	8.68	8.27	8.39	8.54	8.72	8.92

C-81.15

Sheet 1, General Notes, Add Note 7, to read;"7. The concrete class for the moment slab shall be class 4000 typically and class 4000A when the top of the slab is used as the roadway, or sidewalk, surface. The concrete class for the barrier is defined in Standard Specification Section 6-10.3."

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-3.09

Sheet 1, GEOSYNTHETIC WALL WITH 2 FT TRAFFIC SURCHARGE detail, callout – "BARRIER ON WALL ~ SEE Standard Plan D-3.15 or D-3.16" is revised to read: "BARRIER ON WALL ~ SEE CONTRACT PLANS"

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

Note 7, "If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30" is revised to read "Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 1 and 1SW".

D-10.15
Note 7, "If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30" is revised to read "Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 2 and 2SW".

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
Note 5, "If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30" is revised to read "Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 7".

D-10.45
Note 5, "If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30" is revised to read "Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 8".

E-20.10
On Sheet 2, the reference to "2-09.4" is revised to read "3-07.4".

F-10.18
Note 1; "Construct curb joints at cement concrete pavement transverse joint locations. If all adjacent pavement is HMA, see Standard Plan F-30.10 for Curb Expansion and Contraction Joint Spacing." is revised to read – "See Standard Plan F-30.10 and Standard Specification Section 8-04.3 for Curb Expansion and Contraction Joint details and spacing."
CURB 3 Detail, the diamond note 1 callout on the 6" dimension at the bottom left side of the detail, is revised to be a diamond note 2 callout.

F-30.10
All five instances of the "2.0% MAX." are replaced with "2.1% MAX."

F-40.12
The one instance of "2.0% MAX." is replaced with "2.1% MAX."
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.
Section B is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"

Section C is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"

F-40.14
The one instance of "2.0% MAX." is replaced with "2.1% MAX."
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.
Section A is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"
Section C is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"

F-40.15
The one instance of "2.0% MAX." is replaced with "2.1% MAX."
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.
Section A is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"

F-40.16
The one instance of "2.0% MAX." is replaced with "2.1% MAX."
Note 8 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.
Section A is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"
Section B is amended as follows:
Delete: "15' – 0" MAX. (TYP.)"

F-80.10
The one instance of "2.0% MAX." is replaced with "2.1% MAX."
Note 6 is replaced with the following:
The running slope of the Pedestrian Ramp shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk.
Section A is amended as follows:
Delete: "15" Max."

J-5.50
General Note 4 reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"
General Note 5 reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

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-15.15
The reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

J-20.01
STANDARD DIMENSIONS AND REFERENCES table, TYPE FB, Standard Height column – "15'-0" "is revised to read; "14'-0" "

J-20.10
DELETED

J-20.11
DELETED

J-20.26
Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."
Add General Note 2, to read: "Signs shown are for locations with pedestrian signal displays (Accessible Pedestrian Signals/APS). Accessible information device (AID) pushbuttons signs not shown."
Revise View Titles (Both Sheets) to read: "ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY"

J-20.16
View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10

Sheet 1, Anchor Bolt Template, callout; "9" (IN) BOLT CIRCLE" is revised to read: "9" (IN) DIA.BOLT CIRCLE"

Base Plate Detail, callout; "3/4" (IN) STEEL PLATE WITH HOLE = POLE BASE + 1/6" (IN)" IS REVISED TO READ; "3/4" (IN) STEEL PLATE WITH HOLE = POLE BASE + 1/16" (IN)"

Flat Foundation Detail – Elevation, 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"

Flat Foundation Detail – Elevation, dimension; 4' – 0" is revised to read; "4' – 0" ROUND OR 3' – 0" SQUARE"

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

On both elevation views, the overall standard height dimension "15'-0" " is revised to read; "14'-0" "

J-26.10

The reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

J-27.10

The reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

J-28.30

General Note 13 – "See Standard Plans C-8b and C-85.14 for steel light standards on traffic barrier" is revised to read; "See Standard Plan C-85.15 for steel light standards on traffic barrier."

J-29.10

The reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

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-50.15

Sheet 1, SECTION A, the call out "LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 3 PAIRS" is revised to read "LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 6 PAIRS"

General Note 1 reference to "2-09.3(1)E" is revised to read "3-07.3(1)E"

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.

K-80.32

Sheet 1, END VIEW, the callout located at the base of barrier – "SEE NOTE 2" is revised to read: "SEE NOTE 3"

Sheet 2, WIRE ROPE LOOP DETAIL, dimension (overall length) – "SEE NOTE 1" is revised to read: "SEE NOTE 2"

Sheet 2, Side View (Right), callout – "WIRE ROPE LOOPS – SEE NOTE 1" is revised to read: "WIRE ROPE LOOPS – SEE NOTE 2"

L-5.10

Add new general Note 9 on sheet 1 – "9. The top of wall in Section A on Sheet 1 shall be located as follows: 1) flush with the finished grade when placed within the deflection distance of the long span guardrail system (Std. Plan C-20.40), 2) Two inches maximum above finished grade when placed behind a box culvert guardrail steel post system (Std. Plan C-20.41 or C-20.43), 3) Six inches minimum for all other applications. The bottom rail shall be located at mid height between the top rail and the top of structure."

M-20.30

Wide Dotted Lane Line Detail, reference below title, (SEE NOTE 6) is revised to read: (SEE NOTE 5)

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-50.10-02 ..... 7/18/24
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-15.20-01 ..... 2/7/12
B-15.40-01 ..... 2/7/12
B-15.60-02 ..... 1/26/17
B-20.20-02 ..... 3/16/12
B-20.40-04 ..... 2/27/18
B-20.60-03 ..... 3/15/12
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-30.90-02 ..... 1/26/17
B-35.20-00 ..... 6/8/06
B-35.40-01 ..... 8/23/23
B-40.20-00 ..... 6/1/06
B-40.40-02 ..... 1/26/17
B-45.20-01 ..... 7/11/17
B-45.40-01 ..... 7/21/17
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-80.40-00 ..... 6/1/06
B-85.10-01 ..... 6/10/08
B-85.20-00 ..... 6/1/06
B-85.30-00 ..... 6/1/06
B-85.40-00 ..... 6/8/06
B-85.50-01 ..... 6/10/08
B-90.10-00 ..... 6/8/06
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-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-20.41-05 ..... 7/18/24
C-20.43-01 ..... 7/18/24
C-20.44-00 ..... 8/13/24
C-20.45-03 ..... 9/8/22
C-20.55-00 ..... 7/30/24
C-22.16-08 ..... 10/17/23
C-22.40-11 ..... 7/21/24
C-22.45-07 ..... 7/21/24
C-23.70-01 ..... 10/16/23
C.24.10-05 ..... 7/21/24
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-25.32-00 ..... 7/29/24
C-25.80-05 ..... 8/12/19
C-60.10-04 ..... 7/21/24
C-60.15-01 ..... 7/21/24
C-60.20-01 ..... 9/8/22
C-60.30-02 ..... 7/21/24
C-60.40-01 ..... 7/21/24
C-60.45-01 ..... 7/21/24
C-60.50-01 ..... 7/21/24
C-60.60-01 ..... 7/21/24
C-60.70-01 ..... 9/8/22
C-60.80-02 ..... 7/21/24
C-70.10-04 ..... 10/16/23
C-70.15-01 ..... 7/21/24
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-10.18-04.....6/28/24
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-45.10-05 ..... 6/4/24
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-24.10-00.....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-24.50-05..... 8/7/19
G-24.60-05..... 6/28/18
G-25.10-05..... 9/16/20
G-26.10-00..... 7/31/19
G-30.10-04..... 6/23/15
G-50.10-03..... 6/28/18

G-90.10-03..... 7/11/17
G-90.20-05..... 7/11/17
G-90.30-04..... 7/11/17
G-95.10-02..... 6/28/18
G-95.20-03..... 6/28/18
G-95.30-03..... 6/28/18

H-10.10-01.....6/2/24
H-10.11-00.....6/2/24
H-10.15-01.....6/2/24
H-10.16-00.....6/2/24

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-10.25-01 .....6/21/24
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-20.01-01 .....6/21/24
J-20.05-00 .....6/21/24
J-20.10-05 .....10/4/23

J-26.10-03..... 7/21/16
J-26.15-01..... 5/17/12
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-28.30-04..... 6/18/24
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-50.05-00..... 7/21/17
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-20.11-03 ..... 7/31/19
J-20.15-04 ..... 6/21/24
J-20.16-02 ..... 6/30/14
J-20.20-02 ..... 5/20/13
J-20.26-01 ..... 7/12/12
J-21.10-05 ..... 6/21/24
J-21.15-01 ..... 6/10/13
J-21.16-02 ..... 6/21/24
J-21.17-01 ..... 6/10/13
J-21.20-01 ..... 6/10/13
J-22.15-03 ..... 6/21/24
J-22.16-03 ..... 7/10/15
J-22.17-00 ..... 6/21/24

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

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-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-5.10-02 ..... 6/5/24
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-12.10-04 ..... 6/28/24
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-20.30-05 ..... 6/28/24
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: 03/17/2026

Cowlitz County

Trade	Job Classification	Wage	Holiday	Overtime	Note	Ris
Asbestos Abatement Workers	Journey Level	$62.61	**6Z**	**1M**		
Boilermakers	Journey Level	$78.89	**5N**	**1C**		
Brick Mason	Brick Finisher	$50.38	**5A**	**1B**		
Brick Mason	Caulker-Pointer-Cleaner	$76.59	**5A**	**1B**		
Brick Mason	Journey Level	$76.59	**5A**	**1B**		
Building Service Employees	Janitor	$17.13		**1**		
Building Service Employees	Shampooer	$17.13		**1**		

Building Service Employees	Waxer	$17.13		**1**	
Building Service Employees	Window Cleaner	$17.13		**1**	
Cabinet Makers (In Shop)	Journey Level	$17.13		**1**	
Carpenters	Acoustical Worker	$71.70	**15J**	**11U**	**9L**
Carpenters	Bridge & Highway Carpenter	$73.07	**15J**	**11U**	**9L**
Carpenters	Floor Layer And Floor Finishers	$71.87	**15J**	**11U**	**9L**
Carpenters	General Carpenter	$71.70	**15J**	**11U**	**9L**
Carpenters	Scaffold/Shoring Erecting & Dismantling	$67.70	**7E**	**4X**	**8N**
Carpenters	Stationary Power Saw	$71.87	**15J**	**11U**	**9L**
Cement Masons	Application of all Composition Mastic	$81.87	**15J**	**4U**	
Cement Masons	Application of all Epoxy Material	$81.36	**15J**	**4U**	
Cement Masons	Application of all Plastic Material	$81.87	**15J**	**4U**	
Cement Masons	Application of Sealing Compound	$81.36	**15J**	**4U**	

Cement Masons	Application of Underlayment	$81.87	**15J**	**4U**
Cement Masons	Building General	$81.36	**15J**	**4U**
Cement Masons	Composition or Kalman Floors	$81.87	**15J**	**4U**
Cement Masons	Concrete Paving	$81.36	**15J**	**4U**
Cement Masons	Curb & Gutter Machine	$81.87	**15J**	**4U**
Cement Masons	Curb & Gutter, Sidewalks	$81.36	**15J**	**4U**
Cement Masons	Curing Concrete	$81.36	**15J**	**4U**
Cement Masons	Finish Colored Concrete	$81.87	**15J**	**4U**
Cement Masons	Floor Grinding	$81.87	**15J**	**4U**
Cement Masons	Floor Grinding/Polisher	$81.36	**15J**	**4U**
Cement Masons	Green Concrete Saw, self-powered	$81.87	**15J**	**4U**
Cement Masons	Grouting of all Plates	$81.36	**15J**	**4U**
Cement Masons	Grouting of all Tilt-up Panels	$81.36	**15J**	**4U**
Cement Masons	Gunite Nozzleman	$81.87	**15J**	**4U**

Cement Masons	Hand Powered Grinder	$81.87	**15J**	**4U**	
Cement Masons	Journey Level	$81.36	**15J**	**4U**	
Cement Masons	Patching Concrete	$81.36	**15J**	**4U**	
Cement Masons	Pneumatic Power Tools	$81.87	**15J**	**4U**	
Cement Masons	Power Chipping & Brushing	$81.87	**15J**	**4U**	
Cement Masons	Sand Blasting Architectural Finish	$81.87	**15J**	**4U**	
Cement Masons	Screed & Rodding Machine	$81.87	**15J**	**4U**	
Cement Masons	Spackling or Skim Coat Concrete	$81.36	**15J**	**4U**	
Cement Masons	Troweling Machine Operator	$81.87	**15J**	**4U**	
Cement Masons	Troweling Machine Operator on Colored Slabs	$81.87	**15J**	**4U**	
Cement Masons	Tunnel Workers	$81.87	**15J**	**4U**	
Divers & Tenders	Assistant Tender	$79.35	**15J**	**11T**	**9I**
Divers & Tenders	Bell/Vehicle or Submersible	$128.93	**15J**	**11T**	**9I**

	Operator Not Under Pressure				
Divers & Tenders	Dive Master	$98.29	**15J**	**11T**	**9I**
Divers & Tenders	Dive Supervisor	$130.43	**15J**	**11T**	**9I**
Divers & Tenders	Diver Diving	$128.93	**15J**	**11T**	**9I**
Divers & Tenders	Diver Tender	$84.92	**15J**	**11T**	**9I**
Divers & Tenders	Divers Including Stand-By Diver	$93.29	**15J**	**11T**	**9I**
Divers & Tenders	Manifold Operator	$89.92	**15J**	**11T**	**9I**
Divers & Tenders	Manifold Operator Mixed Gas	$90.92	**15J**	**11T**	**9I**
Divers & Tenders	ROV Operator	$84.92	**15J**	**11T**	**9I**
Divers & Tenders	ROV Tender/Technician	$79.35	**15J**	**11T**	**9I**
Dredge Workers	Assistant Engineer	$72.54	**5D**	**1N**	**8D**
Dredge Workers	Assistant Mate (deckhand)	$67.18	**5D**	**1N**	**8D**
Dredge Workers	Boatman (licensed)	$72.54	**5D**	**1N**	**8D**
Dredge Workers	Fill Equipment Operator	$69.88	**5D**	**1N**	**8D**
Dredge Workers	Fireman	$71.05	**5D**	**1N**	**8D**

Dredge Workers	Leverman (hydraulic & Clamshell)	$75.70	**5D**	**1N**	**8D**
Dredge Workers	Mate	$72.54	**5D**	**1N**	**8D**
Dredge Workers	Oiler	$67.18	**5D**	**1N**	**8D**
Dredge Workers	Tenderman (boatman Attending Dredge Plant)	$71.05	**5D**	**1N**	**8D**
Dredge Workers	Welder	$72.54	**5D**	**1N**	**8D**
Drywall Applicator	Journey Level	$67.80	**5A**	**1B**	
Drywall Tapers	Journey Level	$69.95	**7E**	**1E**	
Electrical Fixture Maintenance Workers	Journey Level	$25.23		**1**	
Electricians - Inside	Journey Level	$99.74	**5A**	**1B**	
Electricians - Inside	Journeyman, Welder	$106.48	**5A**	**1B**	
Electricians - Motor Shop	Craftsman	$17.13		**1**	
Electricians - Motor Shop	Journey Level	$17.13		**1**	
Electricians - Powerline Construction	Cable Splicer	$107.31	**5A**	**4D**	
Electricians - Powerline Construction	Certified Line Welder	$98.45	**5A**	**4D**	

Electricians - Powerline Construction	Groundperson	$61.75	**5A**	**4D**	
Electricians - Powerline Construction	Heavy Line Equipment Operator	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Journey Level Lineperson	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Line Equipment Operator	$84.18	**5A**	**4D**	
Electricians - Powerline Construction	Meter Installer	$61.75	**5A**	**4D**	**8W**
Electricians - Powerline Construction	Pole Sprayer	$98.45	**5A**	**4D**	
Electricians - Powerline Construction	Powderperson	$72.81	**5A**	**4D**	
Electronic Technicians	Journey Level	$83.46	**5A**	**1B**	
Elevator Constructors	Mechanic	$119.67	**5N**	**4A**	
Elevator Constructors	Mechanic In Charge	$129.52	**5N**	**4A**	
Fabricated Precast Concrete Products	Journey Level	$17.13		**1**	
Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$17.13		**1**	
Fence Erectors	Fence Erector	$57.51	**6Z**	**1M**	**8S**
Fence Erectors	Fence Laborer	$57.51	**6Z**	**1M**	**8S**

Flaggers	Journey Level	$57.51	**6Z**	**1M**	**8S**
Glaziers	Journey Level	$76.71	**7I**	**11K**	
Heat & Frost Insulators And Asbestos Workers	Mechanic	$87.79	**5N**	**1F**	
Heating Equipment Mechanics	Journey Level	$107.92	**7F**	**1E**	
Hod Carriers & Mason Tenders	Journey Level	$65.23	**5D**	**1B**	
Industrial Power Vacuum Cleaner	Journey Level	$17.13		**1**	
Inland Boatmen	Boat Operator	$71.28	**5B**	**1K**	
Inland Boatmen	Cook	$69.70	**5B**	**1K**	
Inland Boatmen	Deckhand	$70.00	**5B**	**1K**	
Inland Boatmen	Deckhand Engineer	$69.55	**5B**	**1K**	
Inland Boatmen	Launch Operator	$71.23	**5B**	**1K**	
Inland Boatmen	Mate	$89.12	**5B**	**1K**	
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	$17.13		**1**	
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$17.13		**1**	

Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$17.13		**1**	
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$17.13		**1**	
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$17.13		**1**	
Insulation Applicators	Journey Level	$71.87	**15J**	**11U**	**9L**
Ironworkers	Journey Level	$85.13	**15K**	**11N**	
Laborers	Anchor Machines	$62.61	**6Z**	**1M**	
Laborers	Application (Including Pot Power Tender For Same), Applying Protective Material By Hand Or Nozzle On Utility Lines Or Storage Tanks On Project	$61.96	**6Z**	**1M**	
Laborers	Asbestos Removal	$62.61	**6Z**	**1M**	
Laborers	Asphalt Plant Laborers	$61.10	**6Z**	**1M**	
Laborers	Asphalt Raker	$63.17	**6Z**	**1M**	

Laborers	Asphalt Spreaders	$61.10	**6Z**	**1M**
Laborers	Ballast Regulators	$62.61	**6Z**	**1M**
Laborers	Batch Weighman	$61.10	**6Z**	**1M**
Laborers	Bit Grinder	$62.61	**6Z**	**1M**
Laborers	Brick Pavers (Dry)	$61.10	**6Z**	**1M**
Laborers	Broomers	$61.10	**6Z**	**1M**
Laborers	Brush (Power Saw)	$61.96	**6Z**	**1M**
Laborers	Brush Burners And Cutters	$61.10	**6Z**	**1M**
Laborers	Burners	$61.96	**6Z**	**1M**
Laborers	Car And Truck Loaders	$61.10	**6Z**	**1M**
Laborers	Carpenter Tender	$61.10	**6Z**	**1M**
Laborers	Change-house Man Or Dry Shack Man	$61.10	**6Z**	**1M**
Laborers	Chipping Guns	$61.96	**6Z**	**1M**
Laborers	Choker Setters	$61.10	**6Z**	**1M**
Laborers	Choker Splicer	$61.96	**6Z**	**1M**
Laborers	Chuck Tender	$61.96	**6Z**	**1M**

Laborers	Clary Power Spreader And Similar Types	$61.96	**6Z**	**1M**	
Laborers	Clean Up Laborers	$61.10	**6Z**	**1M**	
Laborers	Clean-up Nozzleman-Green-Cutter (Concrete Rock, Etc.)	$61.96	**6Z**	**1M**	
Laborers	Concrete Crew, Bull Gang	$61.96	**6Z**	**1M**	
Laborers	Concrete Laborers	$61.96	**6Z**	**1M**	
Laborers	Concrete Nozzlemen	$63.17	**6Z**	**1M**	
Laborers	Concrete Power Buggyman	$61.96	**6Z**	**1M**	
Laborers	Concrete Saw Operator	$62.61	**6Z**	**1M**	
Laborers	Concrete Saw Operator (Walls)	$63.17	**6Z**	**1M**	
Laborers	Confined Space / Hole Watch	$57.51	**6Z**	**1M**	**8S**
Laborers	Crusher Feeder	$61.96	**6Z**	**1M**	
Laborers	Curing, Concrete	$61.10	**6Z**	**1M**	

Laborers	Demolition And Wrecking Charred Materials	$61.96	**6Z**	**1M**	
Laborers	Demolition, Wrecking And Moving Laborers	$61.10	**6Z**	**1M**	
Laborers	Drill Doctor	$62.61	**6Z**	**1M**	
Laborers	Drill Operators, Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills And Other Similar Types, Including At Crusher Plants	$63.17	**6Z**	**1M**	
Laborers	Dry Pack Machine	$61.96	**6Z**	**1M**	
Laborers	Dry Stack Walls	$61.10	**6Z**	**1M**	
Laborers	Dumpers, Road Oiling Crew	$61.10	**6Z**	**1M**	
Laborers	Dumpmen (for Grading Crew)	$61.10	**6Z**	**1M**	
Laborers	Elevator Feeders	$61.10	**6Z**	**1M**	
Laborers	Erosion Control Specialist	$61.10	**6Z**	**1M**	
Laborers	Final Clean-up	$57.51	**6Z**	**1M**	**8S**

Laborers	Fine Graders	$61.10	**6Z**	**1M**	
Laborers	Fire Watch	$57.51	**6Z**	**1M**	**8S**
Laborers	Form Strippers (Not Swinging Stages)	$61.10	**6Z**	**1M**	
Laborers	General Laborer	$61.10	**6Z**	**1M**	
Laborers	Grade Checker	$63.17	**6Z**	**1M**	
Laborers	Guard Rail, Median Rail, Reference Post Guide Post, Right-of-way Marker	$61.10	**6Z**	**1M**	
Laborers	Gunite Nozzleman	$63.17	**6Z**	**1M**	
Laborers	Gunite Nozzleman Tender	$61.96	**6Z**	**1M**	
Laborers	Gunite or Sand Blasting Pot Tender	$61.96	**6Z**	**1M**	
Laborers	Hand Placed Sand Blasting (Wet)	$61.96	**6Z**	**1M**	
Laborers	Handlers Or Mixers Of All Materials Of An Irritating Nature (Including Cement & Lime)	$61.96	**6Z**	**1M**	
Laborers	Hazardous Waste Worker	$62.61	**6Z**	**1M**	

Laborers	High Scalers, Strippers & Drillers (covers work in swinging stages, chairs or belts under extreme conditions unusual to normal drilling, blasting, barring down or slopping and stripping	$63.17	**6Z**	**1M**
Laborers	Laser Beam	$63.17	**6Z**	**1M**
Laborers	Laser Beam (Pipe Laying) - Applicable When Employee Assigned To Move, Set Up, Align	$63.17	**6Z**	**1M**
Laborers	Laser Beam (Tunnel) - Applicable When Employee Assigned To Move, Set Up, Align	$63.17	**6Z**	**1M**
Laborers	Lead Abatement	$62.61	**6Z**	**1M**
Laborers	Leverman Or Aggregate Spreaders (Flaherty And Similar Types)	$61.10	**6Z**	**1M**

Laborers	Loading Spotters	$61.10	**6Z**	**1M**	
Laborers	Loop Installation	$63.17	**6Z**	**1M**	
Laborers	Manhole Building	$62.61	**6Z**	**1M**	
Laborers	Material Yard Man	$61.10	**6Z**	**1M**	
Laborers	Miner - Tunnel	$63.17	**6Z**	**1M**	
Laborers	Mold Remediation Or Removal	$62.61	**6Z**	**1M**	
Laborers	Nippers And Timbermen	$62.61	**6Z**	**1M**	
Laborers	Nuclear Plant Workers - Lead Shield, Power Saw Operators (Bucking & Falling)	$62.61	**6Z**	**1M**	
Laborers	Pilot Car	$57.51	**6Z**	**1M**	**8S**
Laborers	Pipe Doping & Wrapping	$61.96	**6Z**	**1M**	
Laborers	Pipe Layer All Types	$63.17	**6Z**	**1M**	
Laborers	Pittsburgh Chipper Operator Or Similar Types	$61.10	**6Z**	**1M**	
Laborers	Post Hold Digger, Air, Gas Or Electric	$61.96	**6Z**	**1M**	

Laborers	Powderman - Tunnel	$63.17	**6Z**	**1M**
Laborers	Powderman Tender	$61.10	**6Z**	**1M**
Laborers	Power Jacks	$62.61	**6Z**	**1M**
Laborers	Pressure Washer	$61.96	**6Z**	**1M**
Laborers	Railroad Track Laborers	$61.10	**6Z**	**1M**
Laborers	Ribbon Setter, Head	$61.96	**6Z**	**1M**
Laborers	Ribbon Setters (Including Steel Forms)	$61.10	**6Z**	**1M**
Laborers	Rigger/Signalperson	$61.10	**6Z**	**1M**
Laborers	Rip Rap Man (Hand Packed)	$61.10	**6Z**	**1M**
Laborers	Rip Rap Man (Head)	$61.96	**6Z**	**1M**
Laborers	Road Pump Tender	$61.10	**6Z**	**1M**
Laborers	Sand Blasting (Dry)	$62.61	**6Z**	**1M**
Laborers	Scaffold Tender	$61.10	**6Z**	**1M**
Laborers	Sewer Labor	$61.10	**6Z**	**1M**
Laborers	Sewer Timbermen	$62.61	**6Z**	**1M**

Laborers	Signalman	$61.10	**6Z**	**1M**
Laborers	Skipman	$61.10	**6Z**	**1M**
Laborers	Slopers	$61.10	**6Z**	**1M**
Laborers	Spraymen	$61.10	**6Z**	**1M**
Laborers	Stake Chaser	$61.10	**6Z**	**1M**
Laborers	Stake-setter	$61.96	**6Z**	**1M**
Laborers	Stockpiler	$61.10	**6Z**	**1M**
Laborers	Tampers	$61.96	**6Z**	**1M**
Laborers	Tie Back Shoring	$61.96	**6Z**	**1M**
Laborers	Timber Faller And Bucker (Hand Labor)	$61.10	**6Z**	**1M**
Laborers	Tool Operators - Jackhammer	$61.96	**6Z**	**1M**
Laborers	Tool Operators - Paving Breakers	$61.96	**6Z**	**1M**
Laborers	Toolroom Man (At Job Site)	$61.10	**6Z**	**1M**
Laborers	Track Liners	$62.61	**6Z**	**1M**
Laborers	Traffic Control Laborer	$61.10	**6Z**	**1M**

Laborers	Traffic Control Supervisor	$61.96	**6Z**	**1M**
Laborers	Traffic Control Supervisor	$61.96	**6Z**	**1M**
Laborers	Truck Mounted Attenuator	$61.10	**6Z**	**1M**
Laborers	Tugger Operator	$62.61	**6Z**	**1M**
Laborers	Tunnel Bullgang (Above Ground)	$63.17	**6Z**	**1M**
Laborers	Tunnel Chuck Tenders	$63.17	**6Z**	**1M**
Laborers	Tunnel Motorman - Dinky Locomotive	$63.17	**6Z**	**1M**
Laborers	Tunnel Muckers, Brakemen	$63.17	**6Z**	**1M**
Laborers	Tunnel Shield Operator	$63.17	**6Z**	**1M**
Laborers	Vibrating Screed	$63.17	**6Z**	**1M**
Laborers	Vibrators (All Types)	$63.17	**6Z**	**1M**
Laborers	Water Blaster	$62.61	**6Z**	**1M**
Laborers	Weight-Man-Crusher (Aggregate When Used)	$61.10	**6Z**	**1M**

Laborers	Welder	$62.61	**6Z**	**1M**	
Laborers - Underground Sewer & Water	General Laborer and Topman	$63.17	**6Z**	**1M**	
Landscape Construction	Landscape Operator	$68.46	**7B**	**4G**	**8U**
Landscape Construction	Landscaping or Planting Laborer	$49.42	**6Z**	**1M**	**8T**
Landscape Maintenance	Groundskeeper	$17.13		**1**	
Lathers	Journey Level	$71.80	**5A**	**1B**	
Marble Setters	Journey Level	$77.59	**5A**	**1B**	
Metal Fabrication (In Shop)	Fitter	$25.33	**7S**	**1B**	
Metal Fabrication (In Shop)	Machine Operator	$25.33	**7S**	**1B**	
Metal Fabrication (In Shop)	Welder	$25.33	**7S**	**1B**	
Millwright	Journey Level	$84.40	**5A**	**1B**	
Modular Buildings	Journey Level	$17.13		**1**	
Painters	Bridge Painter	$63.95	**7E**	**11L**	
Painters	Commercial Painter	$54.86	**7E**	**11L**	
Painters	Industrial Painter	$57.06	**7E**	**11L**	**9F**
Pile Driver	Journey Level	$73.07	**15J**	**11U**	**9L**

Plasterers	Journey Level	$64.24	**5H**	**1E**	
Playground & Park Equipment Installers	Journey Level	$17.13		**1**	
Plumbers & Pipefitters	Journey Level	$95.37	**5A**	**1G**	
Power Equipment Operators	Air Filtration Equipment(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Extrusion Machine Operator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Paver (screed Man Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Pugmill (any Type)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Raker(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Asphalt, Roller (any Asphalt Mix)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Screed(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Asphalt, Truck Mounted Spreader, With Screed(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Auger Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	$74.18	**7B**	**4G**	**8U**

Power Equipment Operators	Back Filling Machine (assistant To Engineer Required) (group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Band Wagons (in Conjuction With Whell Excavator) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Bell Man (any Type Of Comunication) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Blade Any Type(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Blade, Robotic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Boatman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Boatman, Licensed(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Bobcat, Skid Steer (< 1yd)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Boring Machine (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Broom Self-propelled, Construction Job Site(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**

Power Equipment Operators	Bulldozer Over 120,000 Lbs And Above(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Bulldozer Robotic Equipment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Cable-plow (any Type)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Cableway 25 Ton & Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Cableway Up To 25 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Canal Trimmer (grade Oiler Required)(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Cat Drill (john Henry)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Cement Pump(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Challenger(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Chip Spreading Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Chippers (asst To Engineer If Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Churn Drill & Earth Boring Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Compactor Self Propelled Without Blade(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Compactor With Blade Self Propelled(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Compactor, Multi-engine(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Compactor, Robotic(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Batch Plant Quality Control(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Breaker (assistant To Engineer Required) (group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Canal Line, Assistant To Engineer Required(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Curing Machine (riding Type)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Diamond Head Profiler(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Paving Road Mixer(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Concrete Planer(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete Saw(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Automatic Slip Form Paver (asst To Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Combination Mixer & Compressor Operator, Gunite Work(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Finishing Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Grout Plant(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Grouting Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Joint Machine(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators	Concrete, Mixer Mobile(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Mixer Single Drum Any Capacity(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Paving Machine 8' And Less (asst To Engineer Required) (group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Placing Boom(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Pump Truck(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Pump(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Pumpcrete Operator (any Type) (group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Slip Form Pumps, Power Driven Hydraulic	$68.46	**7B**	**4G**	**8U**

	Lifting Device For Concrete Forms(group 5)				
Power Equipment Operators	Concrete, Spreader(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Telebelt(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Concrete, Treated Base Roller Operator, Oiling(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Conveyor Operator Or Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Conveyored Material Hauler(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Carry Deck(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Chicago Boom & Similar Types(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required) (group 1)	$78.25	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	$78.25	**7B**	**4G**	**8U**

Power Equipment Operators	Crane, Hydraulic Crane 400 Ton And Over(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Hydraulic Under 50 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	$78.25	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	$78.25	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	$73.03	**7B**	**4G**	**8U**

Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom Under 50 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required) (group 3)	$73.03	**7B**	**4G**	**8U**

Power Equipment Operators	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Tugger(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Whirley 90 Ton And Over (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Crane, Whirley Under 90 Ton(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Crusher Feederman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Crusher Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Crusher Plant(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Deckhand(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Derrick Operator Under 100 Ton (two	$69.70	**7B**	**4G**	**8U**

	Operators Required When Swing Control Is Remote From Hoist)(group 4)				
Power Equipment Operators	Diesel-electric Engineer (plant Or Floating)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Directional Drill Over 20,000 Lbs Pullback(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Cat Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Directional Type Less Than 20,ooo Lbs Pullback(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Doctor And/or (bit Grinder)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Mud Mixer(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Drill Oscillator(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Drill, Directinal Locator(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Elevating Loader Operator (any Type) (group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Elevator To Move Personnel Or Materials(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Excavator Operator, Over 130,000	$74.18	**7B**	**4G**	**8U**

	Lbs(group 2)				
Power Equipment Operators	Fireman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required) (group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators	Fork Lift(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Fork Lift, Over 10 Ton Or Robotic(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Generator Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Grade Checker(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Grade Setter / Layout From Plans(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Grade-all(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Guardrail Punch Oiler(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Hammer Operator (pile Driver)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Heavy Duty Repairman Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Heavy Equipment Robotics Operator Or Mechanic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Helicopter Hoist(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Helicopter Radioman (ground) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Helicopter When Used In Erecting Workcrane(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Hoist Operator, Single Drum(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Hoist, 2 Drums Or More(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Hydraulic Backhoe Wheel Type (any Make)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Hydraulic Pipe Press(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Hydro Axe (loader Mounted Or Similar Type)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Hydrostatic Pump Operator(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Internal Full Slab Vibrator Operator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Laser Screed(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Lattice Boom Crane 400 Ton And Over(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators	Lime Spreader, Construction Job Site(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Loaders, 120,000 Lbs And Above(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Log Skidders(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Master Environmental Maintenance Mechanic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Material Handler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Mechanic, Heavy Duty(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Parts Man (tool Room)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Pavement Grinder And Or Grooving Machine (riding Type)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Pipe, Cast In Place Pipe Laying Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Plant Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Pump (any Power) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Pump Operator, More Than 5 Pumps (any Size)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Ballast Tamper Multi-purpose(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Brakeman, Switchman, Motorman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Car Mover(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Clip Applicator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, High Rail Self Loader Truck(group	$68.46	**7B**	**4G**	**8U**

	5)				
Power Equipment Operators	Rail, Lo-railer(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Shuttle Car Operator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Speedswing(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Switchman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Rail, Track Liner(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Remote Controlled Earth Moving Equipment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Rigger(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Roller Grading (not Asphalt)(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Rubber-tired Dozers And Pushers(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Scraper All Types(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Service Oiler (greaser)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Side-boom(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Skip Loader, Drag Box(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Stump Grinder (loader Mounted Or Similar Type)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Surface Heater And Planer(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Sweeper Self-propelled, Construction Job Site(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Tar Pot Fireman (power Agitated) Or Not(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck Crane Oiler-driver(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, All Terrain Or Track Type(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, Barrel Type(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, Boom(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, Offraod Trucks, Articulated And Non-articulated Trucks(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, Vacuum(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Truck, Water(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Tub Grinder(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel Boring Machine Mechanic(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel Boring Machine(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel Segment Plant(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel Separation Plant(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel Shaef Loader(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators	Tunnel, Locomotive, Dinkey(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel, Micro Boring Tunnel Machine(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel, Mucking Machine(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators	Tunnel, Shield Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Underwater Equipment, Remote Or Otherwise(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Vacuum Blasting Machine Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Water Pulls, Water Wagon(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Welder's Assistant(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators	Welder; Heavy Duty, Certified Or Not(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators	Welding Machine(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators	Wheel Excavation Any Size (grade Oiler Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators	Wire Mat Or Brooming Machine(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Air Filtration Equipment(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Extrusion Machine Operator(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Asphalt, Paver (screed Man Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Pugmill (any Type)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Raker(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Roller (any Asphalt Mix)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Asphalt, Screed(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Asphalt, Truck Mounted Spreader, With Screed(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Auger Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Back Filling Machine (assistant To Engineer Required) (group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Band Wagons (in Conjuction With Whell Excavator) (group 2)	$74.18	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Bell Man (any Type Of Comunication) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Blade Any Type(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Blade, Robotic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Boatman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Boatman, Licensed(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bobcat, Skid Steer (< 1yd)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Boring Machine (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Broom Self-propelled, Construction Job Site(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bulldozer Over 120,000 Lbs And Above(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Bulldozer Robotic Equipment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Cable-plow (any Type)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Cableway 25 Ton & Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Cableway Up To 25 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Canal Trimmer (grade Oiler Required)(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Cat Drill (john Henry)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Cement Pump(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Challenger(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Chip Spreading Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Chippers (asst To Engineer If Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Churn Drill & Earth Boring Machine(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compactor Self Propelled Without Blade(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compactor With Blade Self Propelled(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compactor, Multi-engine(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compactor, Robotic(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Concrete Batch Plant And/or Wet	$76.09	**7B**	**4G**	**8U**

Sewer & Water	Mix (3 Units Or More) (group1)				
Power Equipment Operators- Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Batch Plant Quality Control(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Breaker (assistant To Engineer Required) (group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Canal Line, Assistant To Engineer Required(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Curing Machine (riding Type)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Diamond Head Profiler(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete Paving Road Mixer(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Concrete Planer(group 5)	$68.46	**7B**	**4G**	**8U**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Concrete Saw(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Automatic Slip Form Paver (asst To Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Combination Mixer & Compressor Operator, Gunite Work(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Finishing Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Grout Plant(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Grouting Machine(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Concrete, Joint Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Mixer Mobile(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Mixer Single Drum Any Capacity(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Paving Machine 8' And Less (asst To Engineer Required) (group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Placing Boom(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Pump Truck(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Pump(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Pumpcrete Operator (any Type) (group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Spreader(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Telebelt(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Concrete, Treated Base Roller Operator, Oiling(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Conveyor Operator Or Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Conveyored Material Hauler(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Carry Deck(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Chicago Boom & Similar Types(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required) (group 1)	$78.25	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required(group 2)	$74.18	**7B**	**4G**	**8U**
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)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or	$76.09	**7B**	**4G**	**8U**

	Tower Attachment (group 1)				
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	$78.25	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane 400 Ton And Over(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Under 50 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	$78.25	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	$78.25	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom Under 50 Ton(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	$76.09	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	$76.09	**7B**	**4G**	**8U**
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)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Tugger(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crane, Whirley 90 Ton And Over (group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Crane, Whirley Under 90 Ton(group	$74.18	**7B**	**4G**	**8U**

Sewer & Water	2)				
Power Equipment Operators- Underground Sewer & Water	Crusher Feederman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crusher Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Crusher Plant(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Deckhand(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Diesel-electric Engineer (plant Or Floating)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Directional Drill Over 20,000 Lbs Pullback(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Drill Assistant(group 6)	$65.24	**7B**	**4G**	**8U**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Drill Cat Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Drill Directional Type Less Than 20,ooo Lbs Pullback(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Drill Doctor And/or (bit Grinder)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Drill Mud Mixer(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Drill Oscillator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Drill, Directinal Locator(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Elevating Grader Operator, Tractor Towed Requiring	$68.46	**7B**	**4G**	**8U**

	Operator Or Grader(group 5)				
Power Equipment Operators- Underground Sewer & Water	Elevating Loader Operator (any Type) (group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Elevator To Move Personnel Or Materials(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Excavator Operator, Over 130,000 Lbs(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Fireman(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required) (group 1)	$80.41	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Fork Lift(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Fork Lift, Over 10 Ton Or Robotic(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Generator Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Grade Checker(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Grade Setter / Layout From Plans(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Grade-all(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Guardrail Punch Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hammer Operator (pile Driver)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Heavy Duty Repairman Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Heavy Equipment Robotics Operator Or Mechanic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Helicopter Hoist(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Helicopter Radioman (ground) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Helicopter When Used In Erecting Workcrane(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hoist Operator, Single Drum(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hoist, 2 Drums Or More(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Hydraulic Backhoe Track Type Up To	$68.46	**7B**	**4G**	**8U**

Sewer & Water	And Including 20,000 Lbs(group 5)				
Power Equipment Operators- Underground Sewer & Water	Hydraulic Backhoe Wheel Type (any Make)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hydraulic Pipe Press(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hydro Axe (loader Mounted Or Similar Type)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Hydrostatic Pump Operator(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Internal Full Slab Vibrator Operator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Laser Screed(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Lattice Boom Crane 400 Ton And Over(group 1)	$80.41	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Lime Spreader, Construction Job Site(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Loaders, 120,000 Lbs And Above(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	$73.03	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Log Skidders(group 4)	$69.70	**7B**	**4G**	**8U**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Master Environmental Maintenance Mechanic(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Material Handler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Mechanic, Heavy Duty(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Parts Man (tool Room)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Pavement Grinder And Or Grooving Machine (riding Type)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Pipe, Cast In Place Pipe Laying Machine(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Plant Oiler(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Pump (any Power) (group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Pump Operator, More Than 5 Pumps (any Size)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Ballast Tamper Multi-purpose(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Brakeman, Switchman, Motorman(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Rail, Car Mover(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Clip Applicator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, High Rail Self Loader Truck(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Lo-railer(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Shuttle Car Operator(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Speedswing(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Switchman(group 6)	$65.24	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rail, Track Liner(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Remote Controlled Earth Moving Equipment(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rigger(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Roller Grading (not Asphalt)(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Rubber-tired Dozers And Pushers(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Scraper All Types(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Service Oiler (greaser)(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Side-boom(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Skip Loader, Drag Box(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Stump Grinder (loader Mounted Or Similar Type)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Surface Heater And Planer(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Sweeper Self-propelled, Construction Job Site(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tar Pot Fireman (power Agitated) Or Not(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler-driver(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, All Terrain Or Track Type(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, Barrel Type(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, Boom(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	$68.46	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Truck, Offraod Trucks, Articulated And Non-articulated Trucks(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, Vacuum(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Truck, Water(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tub Grinder(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel Boring Machine Mechanic(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel Boring Machine(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel Segment Plant(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel Separation Plant(group 4)	$69.70	**7B**	**4G**	**8U**

Power Equipment Operators- Underground Sewer & Water	Tunnel Shaef Loader(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel, Locomotive, Dinkey(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel, Micro Boring Tunnel Machine(group 1)	$76.09	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel, Mucking Machine(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	$68.46	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Tunnel, Shield Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Underwater Equipment, Remote Or Otherwise(group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground	Vacuum Blasting Machine	$69.70	**7B**	**4G**	**8U**

Sewer & Water	Operator(group 4)				
Power Equipment Operators- Underground Sewer & Water	Water Pulls, Water Wagon(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Welder's Assistant(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Welder; Heavy Duty, Certified Or Not(group 4)	$69.70	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Welding Machine(group 6)	$65.24	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Wheel Excavation Any Size (grade Oiler Required) (group 2)	$74.18	**7B**	**4G**	**8U**
Power Equipment Operators- Underground Sewer & Water	Wire Mat Or Brooming Machine(group 6)	$65.24	**7B**	**4G**	**8U**
Power Line Clearance Tree Trimmers	Journey Level In Charge	$69.62	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Spray Person	$65.89	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Equipment Operator	$69.62	**5A**	**4A**	

Power Line Clearance Tree Trimmers	Tree Trimmer	$62.19	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$45.93	**5A**	**4A**	
Refrigeration & Air Conditioning Mechanics	Journey Level	$100.71	**5A**	**1G**	
Residential Brick Mason	Journey Level	$23.02		**1**	
Residential Carpenters	Journey Level	$36.07		**1**	
Residential Cement Masons	Journey Level	$17.13		**1**	
Residential Drywall Applicators	Journey Level	$31.97		**1**	
Residential Drywall Tapers	Journey Level	$21.22		**1**	
Residential Electricians	Journey Level	$30.53		**1**	
Residential Glaziers	Journey Level	$49.60		**1**	
Residential Insulation Applicators	Journey Level	$26.30		**1**	
Residential Laborers	Journey Level	$49.42	**6Z**	**1M**	**8T**
Residential Marble Setters	Journey Level	$23.02		**1**	
Residential Painters	Journey Level	$54.86	**7E**	**11L**	
Residential Plumbers & Pipefitters	Journey Level	$51.05		**1**	

Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$107.92	**7F**	**1E**
Residential Sheet Metal Workers	Journey Level	$107.92	**7F**	**1E**
Residential Soft Floor Layers	Journey Level	$64.08	**7E**	**11Q**
Residential Sprinkler Fitters (Fire Protection)	Journey Level	$41.11		**1**
Residential Stone Masons	Journey Level	$23.02		**1**
Residential Terrazzo Workers	Journey Level	$17.13		**1**
Residential Terrazzo/Tile Finishers	Journey Level	$36.64		**1**
Residential Tile Setters	Journey Level	$17.13		**1**
Roofers	Journey Level	$70.70	**5A**	**3H**
Roofers	Using Irritable Bituminous Materials	$73.70	**5A**	**3H**
Sheet Metal Workers	Journey Level (Field or Shop)	$107.92	**7F**	**1E**
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$87.79	**5N**	**1F**

Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$87.79	**5N**	**1F**	
Sign Makers & Installers (Electrical)	Journey Level	$17.13		**1**	
Sign Makers & Installers (Non-Electrical)	Journey Level	$17.13		**1**	
Soft Floor Layers	Journey Level	$63.29	**15J**	**4C**	
Solar Controls For Windows	Journey Level	$17.13		**1**	
Sprinkler Fitters (Fire Protection)	Journey Level	$83.61	**7J**	**1R**	
Stage Rigging Mechanics (Non Structural)	Journey Level	$17.13		**1**	
Stone Masons	Journey Level	$76.59	**5A**	**1B**	
Street And Parking Lot Sweeper Workers	Journey Level	$17.13		**1**	
Surveyors	Chain Person	$65.24	**7B**	**1B**	**9H**
Surveyors	Instrument Person	$68.46	**7B**	**1B**	**9H**
Surveyors	Party Chief	$74.18	**7B**	**1B**	**9H**
Telecommunication Technicians	Journey Level	$83.46	**5A**	**1B**	
Telephone Line Construction - Outside	Cable Splicer	$42.62	**5A**	**2B**	

Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.97	**5A**	**2B**
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$35.60	**5A**	**2B**
Telephone Line Construction - Outside	Telephone Lineperson	$40.28	**5A**	**2B**
Terrazzo Workers	Journey Level	$67.27	**5A**	**1B**
Tile Setters	Journey Level	$67.27	**5A**	**1B**
Tile, Marble & Terrazzo Finishers	Finishers	$50.25	**5A**	**1B**
Traffic Control Stripers	Journey Level	$91.39	**15N**	**1K**
Truck Drivers	Asphalt Mix Over 10 Yards	$49.39	**5A**	**1B**
Truck Drivers	Asphalt Mix To 10 Yards	$49.24	**5A**	**1B**
Truck Drivers	Dump Truck	$49.24	**5A**	**1B**
Truck Drivers	Dump Truck And Trailer	$49.39	**5A**	**1B**
Truck Drivers	Other Trucks	$49.39	**5A**	**1B**
Truck Drivers - Ready Mix	Transit Mix 5 cubic yards and under	$49.24	**5A**	**1B**

Truck Drivers - Ready Mix	Transit Mix over 11 cubic yards up to 15 cubic yards	$49.85	**5A**	**1B**
Truck Drivers - Ready Mix	Transit Mix over 5 cubic yards up to 7 cubic yards	$49.39	**5A**	**1B**
Truck Drivers - Ready Mix	Transit Mix Over 7 cubic yards up to 11 cubic yards	$49.54	**5A**	**1B**
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.13		**1**
Well Drillers & Irrigation Pump Installers	Oiler	$17.13		**1**
Well Drillers & Irrigation Pump Installers	Well Driller	$17.97		**1**

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 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 Dual Faced) 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 luminum 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, standard		X
	Steel pipe for concrete pile casings, custom	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.

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. 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.

Overtime Codes Continued

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.

   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.

Overtime Codes Continued

11. 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.

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.

Overtime Codes Continued

11. 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.

When a holiday falls on a Saturday, the Friday before shall be the observed holiday. When a holiday falls on a Sunday, the following Monday shall be the observed holiday.

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.

Overtime Codes Continued

11. T. 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.

U. 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.

If, 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 a Special Shift may be worked, Monday through Friday, at the straight-time rate. The starting time of work for the Special Shift will be arranged to fit such conditions of work. Such Special Shift shall consist of eight (8) hours of work for eight (8) hours of pay or ten (10) hours of work for ten(10) hours of pay on a four-ten workday schedule.

V. 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.

W. 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 6 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 on Sundays and Holidays shall be paid at double the hourly rate of wage.

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

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.

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).

Holiday Codes Continued

6. 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).

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

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

Holiday Codes Continued

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

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

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

D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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

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

Holiday Codes Continued

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

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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

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.

Holiday Codes Continued

7. 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.

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.

Holiday Codes Continued

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.

Holiday Codes Continued

15. 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.

P. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve 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.

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.

Note Codes Continued

8. 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.

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.)

Note Codes Continued

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.

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.

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.

Note Codes Continued

9. 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.

I. 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'.

Employees may be required to perform any combination of work within the Diving team/crew, (with the exception of dive Supervisor) provided they are paid at the highest rate at which he/she has worked for the shift.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

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.

M. Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $1.50 per hour above their classification rate.

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 6 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.)

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 – Pavement Overlay Tonnages / Locations
Appendix B – WSDOT Work Zone Traffic Control Standard Plans

APPENDIX A

PAVEMENT OVERLAY TONNAGES / LOCATIONS

OVERLAY - PRELIMINARY INVENTORY

For the year of: 2026

3rd Draft

AREA CASTLE ROCK	#	ROAD NAME	BEG MP	END MP	LANE (R-L-B)	PAVE WIDTH FT.	GRIND WIDTH FT.	DEPTH FT. (13- 17)	COUNT OF: Manhole	Catch Basin	Valve	Monument	LINEAL FT.	ASPHALT TONNAGE	ROAD TOTAL	GRIND TOTAL	COMMENTS
CR	1	TOWER RD (51200)	0.80	1.22	B	25		0.17					2218	717.3			
CR	2	TOWER RD (51200)	1.25	1.88	B	25		0.17					3326	1076.0	1793.3		
CR	3	S. TOUTLE RD (51700)	0.20	0.21	R	12		0.13					53	6.3			
CR	4	S. TOUTLE RD (51700)	2.16	2.50	B	36		0.13					1795	639.5	645.8		
CR	5	S. SILVERLAKE RD (55440)	5.39	5.57	B	25		0.17	1				950	307.4	307.4		5.50 MANHOLE.
CR	6	WEST SIDE HWY (26000)	2.20	2.41	B	35		0.13				1	1109	384.0			2.39 MONUMENT.
CR	7	WEST SIDE HWY (26000)	2.41	2.66	B	33	33	0.13					1320	431.0		4840	GRIND full width.
CR	8	WEST SIDE HWY (26000)	2.66	2.92	B	33		0.13					1373	448.2			
CR	9	WEST SIDE HWY (26000)	2.92	3.02	B	33	33	0.13					528	172.4		1936	GRIND full width.
CR	10	WEST SIDE HWY (26000)	3.02	3.16	B	32		0.13					739	234.0			
CR	11	WEST SIDE HWY (26000)	3.16	3.22	B	36	14	0.13					317	112.8		493	GRIND 14' wide left lane.
CR	12	WEST SIDE HWY (26000)	3.22	3.32	B	35		0.13					528	182.8			
CR	13	WEST SIDE HWY (26000)	3.32	3.37	B	35	14	0.13					264	91.4		411	GRIND 14' wide left lane.
CR	14	WEST SIDE HWY (26000)	3.37	3.43	B	35		0.13					317	109.7	2166.3		
CR	15												0	0.0			
									1	-	-	1	14,837	4,912.8	4,912.8	7,680	

OVERLAY - PRELIMINARY INVENTORY

For the year of: 2026

3rd Draft

AREA KALAMA	#	ROAD NAME	BEG MP	END MP	LANE (R-L-B)	PAVE WIDTH FT.	GRIND WIDTH FT.	DEPTH FT. (13- 17)	COUNT OF: Manhole	Catch Basin	Valve	Monument	LINEAL FT.	ASPHALT TONNAGE	ROAD TOTAL	GRIND TOTAL	COMMENTS
KAL	1	KALAMA RIVER RD (40000)	0.86	0.97	B	34		0.13					581	195.4			
KAL	2	KALAMA RIVER RD (40000)	0.97	1.14	B	28		0.13					898	248.7			
KAL	3	KALAMA RIVER RD (40000)	1.21	1.32	B	26		0.13					581	149.4			
KAL	4	KALAMA RIVER RD (40000)	1.49	1.55	B	26		0.13					317	81.5			
KAL	5	KALAMA RIVER RD (40000)	1.59	2.55	B	26		0.13					5,069	1,304.0			Remove rumble strips.
KAL	6	KALAMA RIVER RD (40000)	2.55	2.67	L	13		0.13					634	81.5			Remove rumble strips
KAL	7	KALAMA RIVER RD (40000)	2.67	2.94	B	26		0.13					1,426	366.7			
KAL	8	KALAMA RIVER RD (40000)	3.00	3.14	R	13		0.13					739	95.1			
KAL	9	KALAMA RIVER RD (40000)	3.14	3.67	B	27		0.13					2,798	747.6			
KAL	10	KALAMA RIVER RD (40000)	3.82	3.96	B	27		0.13					739	197.5			
KAL	11	KALAMA RIVER RD (40000)	4.01	4.09	B	26		0.13					422	108.7			
KAL	12	KALAMA RIVER RD (40000)	4.38	4.43	B	26		0.13					264	67.9			
KAL	13	KALAMA RIVER RD (40000)	4.57	4.88	B	26		0.13					1,637	421.1			
KAL	14	KALAMA RIVER RD (40000)	5.94	5.96	R	13		0.13					106	13.6			
KAL	15	KALAMA RIVER RD (40000)	5.96	6.02	B	26		0.13					317	81.5			
KAL	16	KALAMA RIVER RD (40000)	6.05	6.23	B	27		0.13					950	253.9			
KAL	17	KALAMA RIVER RD (40000)	7.02	7.04	R	13		0.13					106	13.6			
KAL	18	KALAMA RIVER RD (40000)	7.04	7.26	B	26		0.13					1,162	298.8	4726.5		
KAL	19	OLD PAC HIGHWAY (33950)	0.75	1.15	B	29		0.13			1	2	2,112	606.0			
KAL	20	OLD PAC HIGHWAY (33950)	1.24	1.56	B	28		0.13			6	6	1,690	468.1	1074.1		Water valves in shoulder by hydrants
KAL	21	CHINA GARDEN RD (34300)	1.17	1.63	B	24		0.13					2,429	576.8			
KAL	22	CHINA GARDEN RD (34300)	1.63	1.75	R	13		0.13					634	81.5	658.3		
KAL	23	MODROW RD (35350)	0.43	0.67	B	26		0.13	1	3	6		1,267	326.0	326.0		THREE CATCH BASINS
KAL	24												0	0.0	0.0		
									1	3	13	8	26,875	6,784.9	6,784.9	-	

OVERLAY - PRELIMINARY INVENTORY

For the year of: 2026

3rd Draft

AREA KELSO	#	ROAD NAME	BEG MP	END MP	LANE (R-L-B)	PAVE WIDTH FT.	GRIND WIDTH FT.	DEPTH FT. (.13-.17)	COUNT OF: Manhole	Catch Basin	Valve	Monument	LINEAL FT.	ASPHALT TONNAGE	ROAD TOTAL	GRIND TOTAL	COMMENTS
KEL	1	ROSE VALLEY RD (40110)	0.47	0.58	R	19		0.13					581	109.2			
KEL	2	ROSE VALLEY RD (40110)	0.90	1.02	B	36		0.13					634	225.7			
KEL	3	ROSE VALLEY RD (40110)	1.02	1.03	B	36	36	0.13					53	18.8		211	GRIND
KEL	4	ROSE VALLEY RD (40110)	1.41	1.63	L	18		0.13					1,162	206.9			
KEL	5	ROSE VALLEY RD (40110)	2.53	2.73	B	27		0.13					1,056	282.1			
KEL	6	ROSE VALLEY RD (40110)	2.83	3.07	B	26		0.13					1,267	326.0			
KEL	7	ROSE VALLEY RD (40110)	3.43	3.65	B	28		0.13					1,162	321.8			
KEL	8	ROSE VALLEY RD (40110)	3.65	3.72	R	14		0.13					370	51.2			
KEL	9	ROSE VALLEY RD (40110)	3.72	3.75	B	28		0.13					158	43.9			
KEL	10	ROSE VALLEY RD (40110)	4.05	4.18	R	15		0.13					686	101.9			
KEL	11	ROSE VALLEY RD (40110)	4.18	4.40	B	28		0.13					1,162	321.8			
KEL	12	ROSE VALLEY RD (40110)	4.64	5.10	B	28		0.13					2,429	672.9			
KEL	13	ROSE VALLEY RD (40110)	5.10	5.16	R	14		0.13					317	43.9	2,726		
KEL	14	BODINE RD (42800)	0.17	0.24	R	13		0.13					370	47.5			
KEL	15	BODINE RD (42800)	0.24	0.42	B	24		0.13					950	225.7			
KEL	16	BODINE RD (42800)	0.61	0.73	R	12		0.13					634	75.2			
KEL	17	BODINE RD (42800)	0.73	0.93	B	25		0.13					1,056	261.2			
KEL	18	BODINE RD (42800)	0.93	1.08	B	26		0.13					792	203.7	813		
KEL	19	MT BRYNION RD (50400)	0.56	0.60	B	28		0.17					211	76.5	77		0.04' Pre-level plus 0.13 Overlay
KEL	20	CARROLLS RD (44350)	0.73	0.88	B	31		0.13					792	242.9			
KEL	21	CARROLLS RD (44350)	1.57	2.41	B	25		0.13					4,435	1,097.1			
KEL	22	CARROLLS RD (Walker Rd Inters.)				11		0.13					150	16.3	1,356		
KEL	23												0	0.0			
									-	-	-	-	20,425	4,972.2	4,972.2	211	

OVERLAY - PRELIMINARY INVENTORY

For the year of: 2026

3rd Draft

AREA LONGVIEW	#	ROAD NAME	BEG MP	END MP	LANE (R-L-B)	PAVE WIDTH FT.	GRIND WIDTH FT.	DEPTH FT. (.13-.17)	COUNT OF: Manhole	Catch Basin	Valve	Monument	LINEAL FT.	ASPHALT TONNAGE	ROAD TOTAL	GRIND TOTAL	COMMENTS
LV	1	COAL CREEK RD (22740)	0.04	0.25	B	48		0.13					1109	526.6			
LV	2	COAL CREEK RD (22740)	0.25	0.36	B	52		0.13					581	298.8			
LV	3	COAL CREEK RD (22740)	0.60	1.03	B	35	14	0.13			4		2270	786.3		3532	GRIND 14' wide right lane.
LV	4	COAL CREEK RD (22740)	1.03	1.09	B	37		0.13					317	116.0			
LV	5	COAL CREEK RD (22740)	1.09	1.17	B	35	14	0.13			2		422	146.3		657	GRIND 14' wide right lane.
LV	6	COAL CREEK RD (22740)	1.17	1.23	B	37		0.13					317	116.0			
LV	7	COAL CREEK RD (22740)	1.23	1.27	B	37	14	0.13					211	77.3		329	GRIND 14' wide right lane.
LV	8	COAL CREEK RD (22740)	1.27	1.42	B	37		0.13					792	289.9			
LV	9	COAL CREEK RD (22740)	1.42	2.05	B	25		0.13					3326	822.8	3180.0		
LV	10	COLUMBIA HTS RD (11401)	1.82	2.02	B	28	28	0.13	1			1	1056	292.6		3285	GRIND full width.
LV	11	COLUMBIA HTS RD (11401)	2.08	2.17	B	38	14	0.13			1		475	178.7		739	GRIND 14' wide right lane.
LV	12	COLUMBIA HTS RD (11401)	2.36	2.39	B	30	30	0.13	1				158	47.0		528	GRIND full width.
LV	13	COLUMBIA HTS RD (11401)	2.39	2.46	B	30	14	0.13	2		2	3	370	109.7		575	GRIND 14' wide left lane.
LV	14	COLUMBIA HTS RD (11401)	1.46	2.55	B	30		0.13	2		2	3	5755	1708.3			
LV	15	COLUMBIA HTS RD (11401)	3.13	3.20	B	28	14	0.13				1	370	102.4		575	GRIND 14' wide left lane.
LV	16	COLUMBIA HTS RD (11401)	3.37	3.47	B	29	14	0.13				2	528	151.5	2590.2	821	GRIND 14' wide left lane.
LV	17												0	0.0			
									6	-	11	10	18,058	5,770.2	5,770.2	11,041	

OVERLAY - PRELIMINARY INVENTORY
For the year of: 2026

AREA	TOTAL COUNT OF: MANHOLES	CATCH BASINS	H20 VALVES	MONUMENTS	TOTAL ASPHALT TONNAGE	TOTAL GRINDING (SY)	COMMENTS
CASTLE ROCK	1	-	-	1	4,912.8	7,680	
KALAMA	1	3	13	8	6,784.9	-	
KELSO	-	-	-	-	4,972.2	211	
LONGVIEW	6	-	11	10	5,770.2	11,041	
	8	3	24	19	22,440.1	18,932	

APPENDIX B

WSDOT WORK ZONE TRAFFIC CONTROL STANDARD PLANS

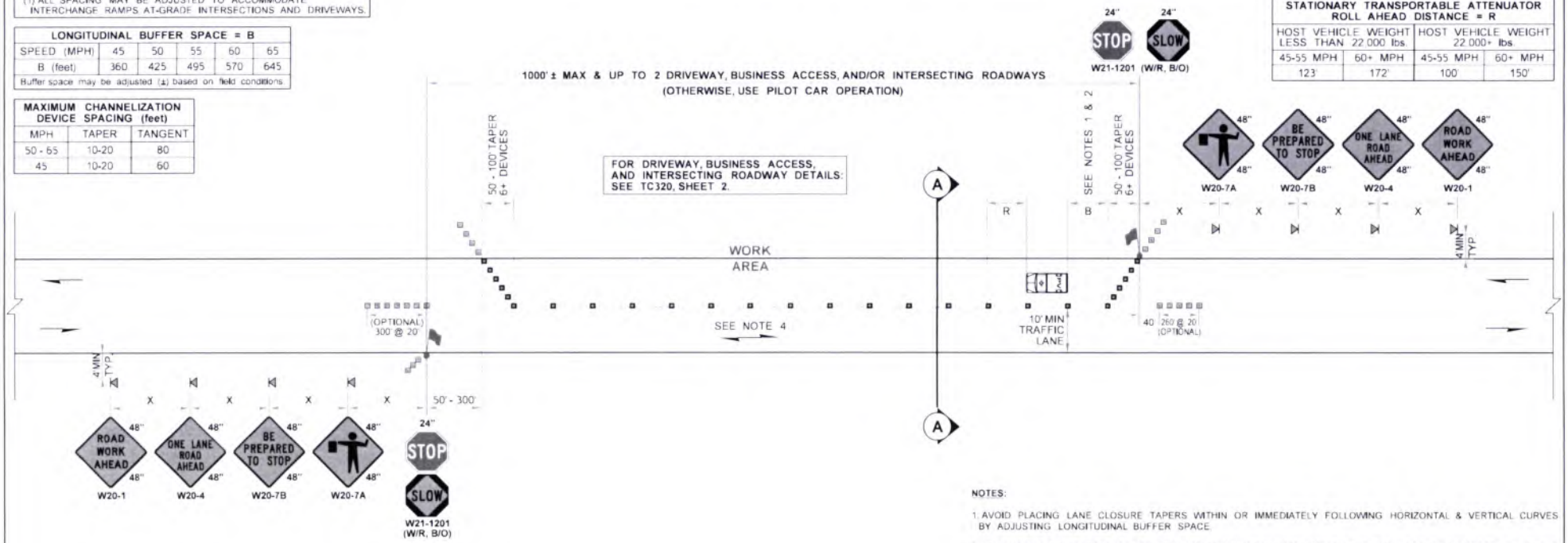
RECOMMENDED SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800'±
RURAL ROADS	45-55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.		

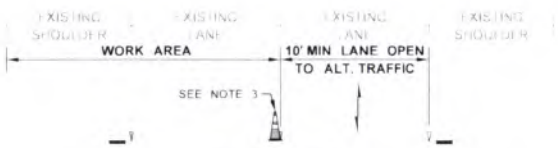
LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	45	50	55	60	65
B (feet)	360	425	495	570	645
Buffer space may be adjusted (±) based on field conditions.					

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50 - 65	10-20	80
45	10-20	60

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R			
HOST VEHICLE WEIGHT LESS THAN 22 000 lbs.		HOST VEHICLE WEIGHT 22 000+ lbs.	
45-55 MPH	60+ MPH	45-55 MPH	60+ MPH
123'	172'	100'	150'





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. IF **LONGITUDINAL BUFFER SPACE REDUCED** FROM DISTANCES LISTED IN TABLE, UPGRADE PROTECTIVE VEHICLE (PV) TO A TRANSPORTABLE ATTENUATOR (TA). ADDITIONAL PV/TAs 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. EXISTING PAVEMENT MARKINGS MAY VARY.

ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\320Hwy45+AltTrafficFlagger.dgn			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Plot 1
TIME	1:53:12 PM						PLAN SHT NO. TC320
DATE	4/2/2024			JOB NUMBER			
PLOTTED BY	LintzF						SHEET 1 OF 4 SHEETS
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

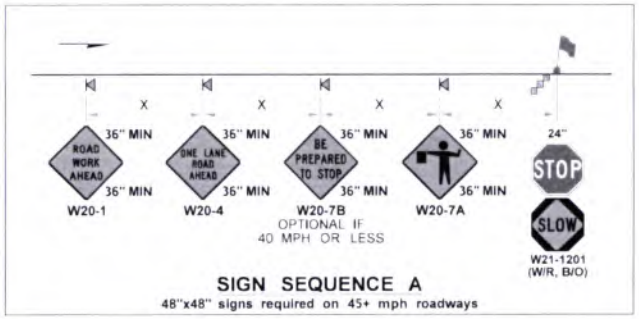
TYPICAL TRAFFIC CONTROL PLANS

NOTES:

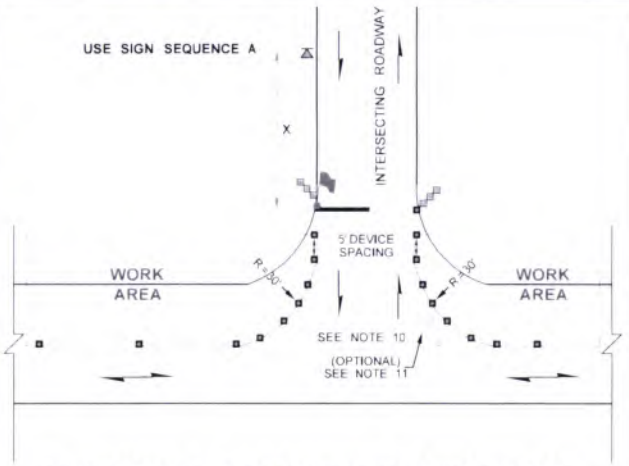
9. FOR LEGEND TABLES AND ADDITIONAL NOTES SEE TC320 SHEET 1.

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.

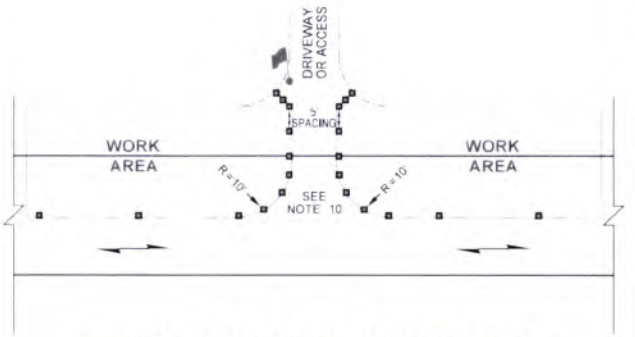
11. SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



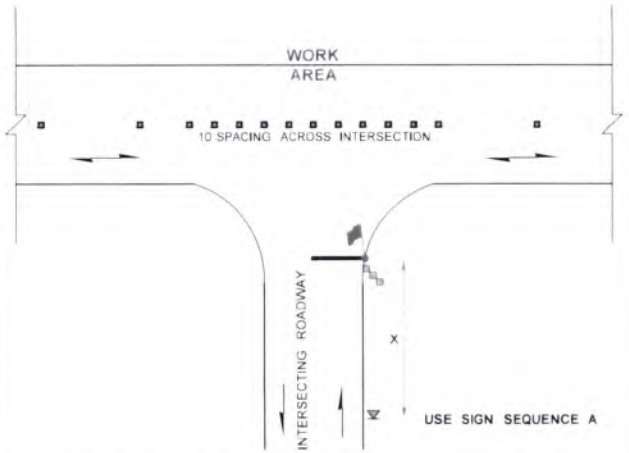
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



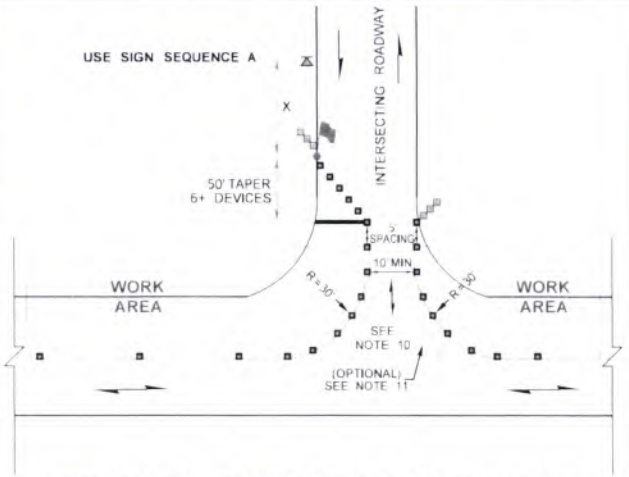
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



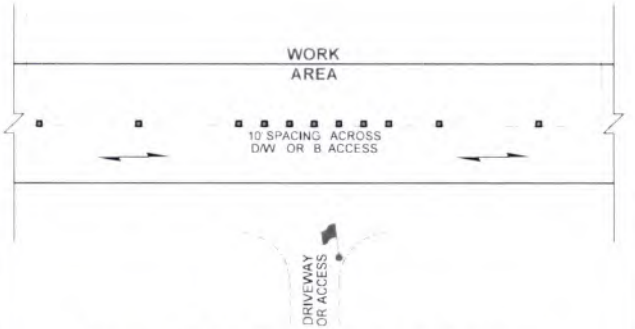
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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 (45+ MPH HIGHWAYS)

NOT TO SCALE

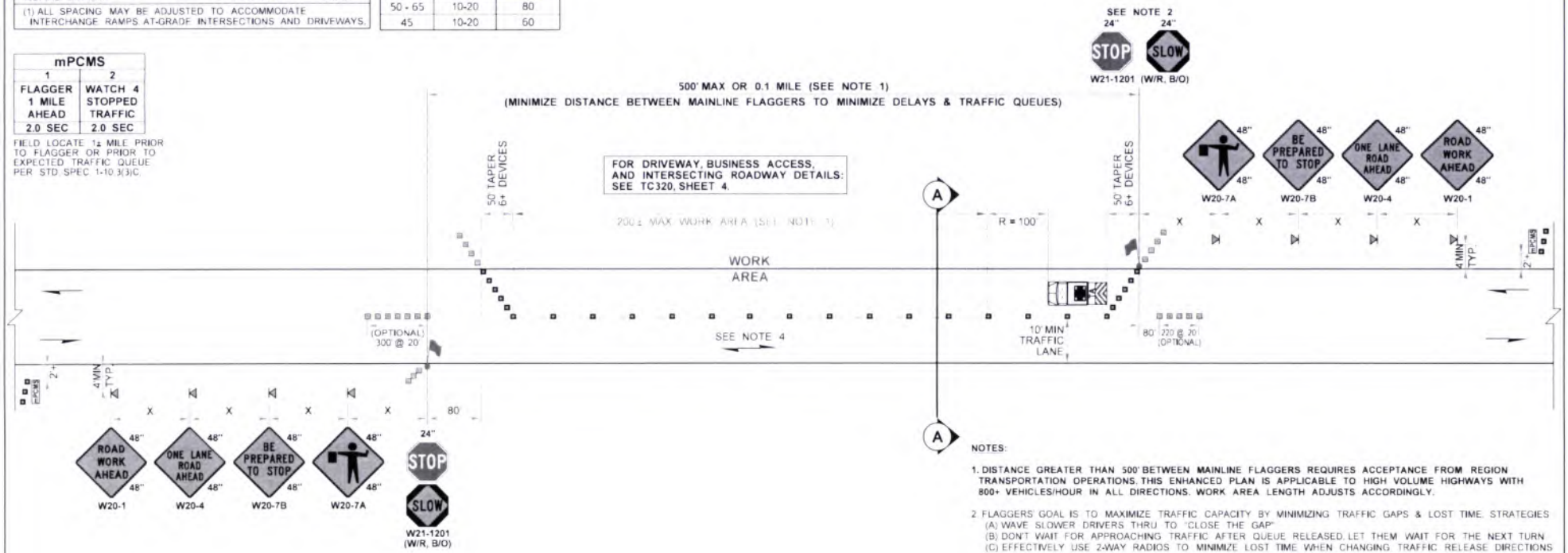
FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\320Hwy45+AltTrafficFlagger.dgn			REGION NO.	STATE	FED.AID PROJ.NO.		Washington State Department of Transportation	Plot 2
TIME	1:53:13 PM			10	WASH				PLAN REF NO. TC320
DATE	4/2/2024			JOB NUMBER					
PLOTTED BY	LintzF								SHEET 2 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	TYPICAL TRAFFIC CONTROL PLANS

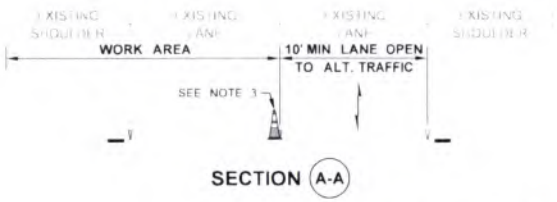
RECOMMENDED SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800'±
RURAL ROADS	45-55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50 - 65	10-20	80
45	10-20	60

mPCMS	
1	2
FLAGGER 1 MILE AHEAD 2.0 SEC	WATCH 4 STOPPED TRAFFIC 2.0 SEC

FIELD LOCATE 1± MILE PRIOR TO FLAGGER OR PRIOR TO EXPECTED TRAFFIC QUEUE PER STD SPEC 1-10.3(3)C.





LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 3)
- OPTIONAL CHANNELIZATION DEVICE
- TRANSPORTABLE ATTENUATOR (TL-3)
- FLAGGER
- mPCMS miniPORTABLE 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 800+ 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 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. 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 45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\320Hwy45+AltTrafficFlagger.dgn								Plot 3
TIME	1:53:13 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		PLAN SHT NO. TC320
DATE	4/2/2024								
PLOTTED BY	LintzF				JOB NUMBER				
DESIGNED BY									SHEET 3 OF 4 SHEETS
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

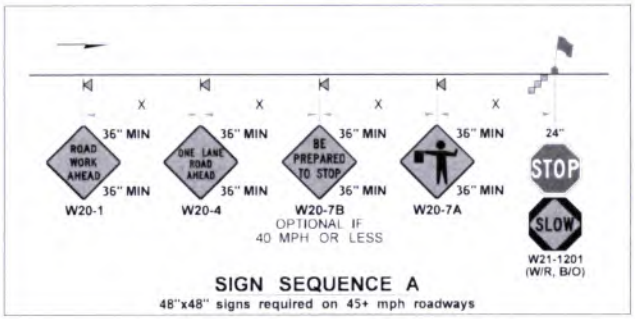
NOTES:

10. FOR LEGEND, TABLES AND ADDITIONAL NOTES SEE TC320 SHEET 3.

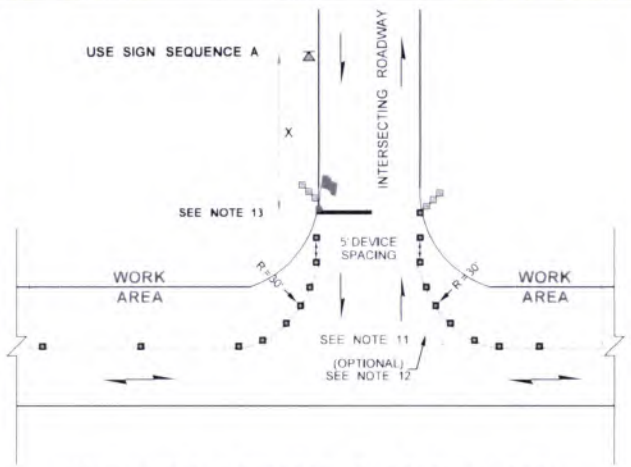
11. WORK MAY BRIEFLY OCCUR WITHIN LANE CLOSURE ACROSS INTERSECTING BUSINESS ACCESSES AND DRIVEWAYS ONLY. **MAY HOLD ACCESS TRAFFIC FOR LESS THAN 1 MINUTE** WHILE RESTRICTING TURNS FROM MAINLINE. CHANNELIZATION DEVICES DELINEATING APPROACH OR ACCESS MAY BE REMOVED OR RELOCATED AS NEEDED.

12. SINGLE FLAGGER (WITH RED FLAG, RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.

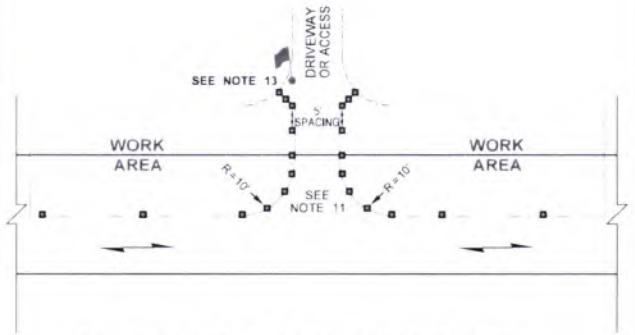
13. **FLAGGERS MAY COLLABORATE TO RELEASE APPROACH/ACCESS AND MAINLINE TRAFFIC TRAVELING IN THE SAME DIRECTION CONCURRENTLY.**



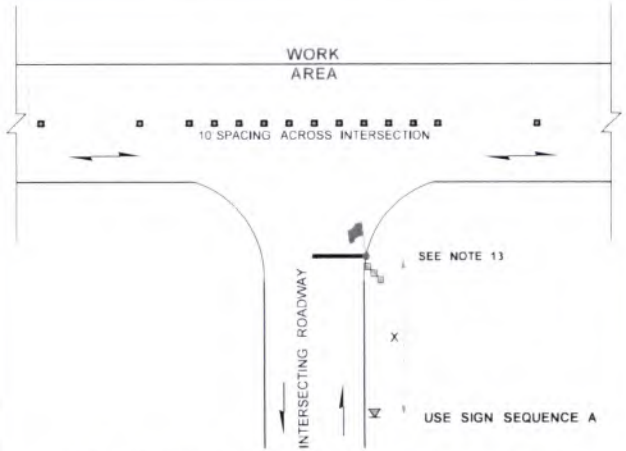
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



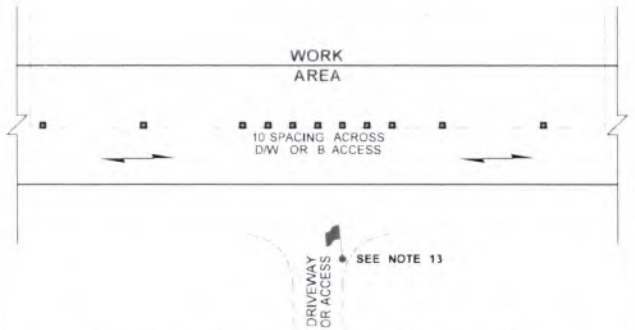
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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 45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\320Hwy45+AltTrafficFlagger.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Plot 4
TIME	1:53:14 PM							Washington State Department of Transportation	PLAN REF. NO. TC320
DATE	4/2/2024				JOB NUMBER				
PLOTTED BY	LintzF								SHEET 4 OF 4 SHEETS
DESIGNED BY					CONTRACT NO.		LOCATION NO.		
ENTERED BY									
CHECKED BY									
PROJ. ENGR.									
REGIONAL ADM.		REVISION	DATE	BY				TYPICAL TRAFFIC CONTROL PLANS	

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

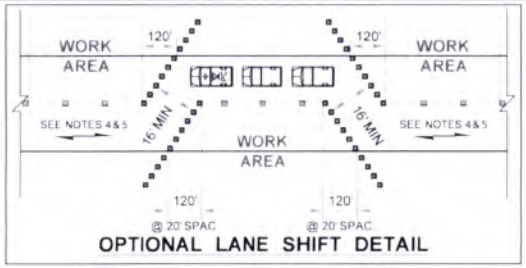
RECOMMENDED SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800'±
RURAL ROADS	45-55 MPH	500'±

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	45	50	55	60	65
B (feet)	360	425	495	570	645

Buffer space may be adjusted (±) based on field conditions.

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50 - 65	10-20	80
45	10-20	60

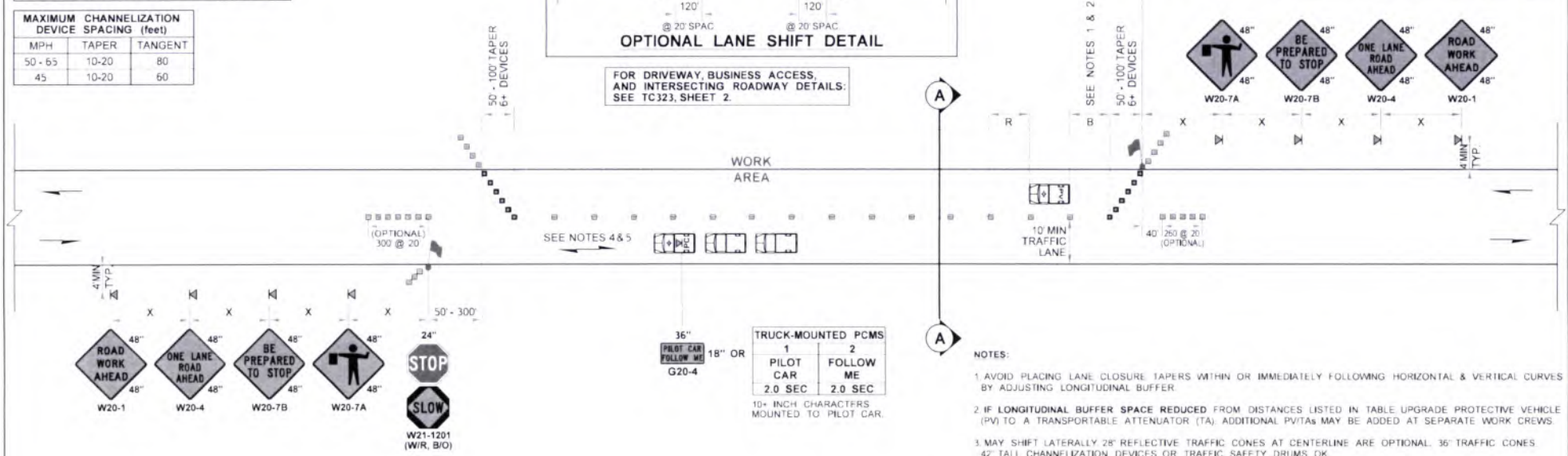


OPTIONAL LANE SHIFT DETAIL

FOR DRIVEWAY, BUSINESS ACCESS, AND INTERSECTING ROADWAY DETAILS: SEE TC323, SHEET 2.

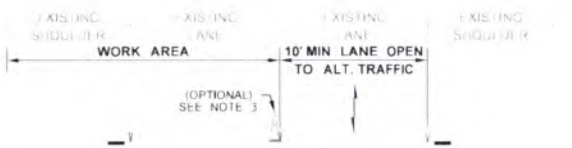
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R			
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.		HOST VEHICLE WEIGHT 22,000+ lbs.	
45-55 MPH	60+ MPH	45-55 MPH	60+ MPH
123'	172'	100'	150'



TRUCK-MOUNTED PCMS	
1	2
PILOT CAR	FOLLOW ME
2.0 SEC	2.0 SEC

10+ INCH CHARACTERS MOUNTED TO PILOT CAR.



SECTION (A-A)

LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 3)
- OPTIONAL CHANNELIZATION DEVICE
- PROTECTIVE VEHICLE (SEE NOTE 2)
- PILOT CAR (SEE NOTES 4 & 5)
- MOTORIST VEHICLE
- FLAGGER

NOTES:

1. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER.
2. IF **LONGITUDINAL BUFFER SPACE REDUCED** FROM DISTANCES LISTED IN TABLE, UPGRADE PROTECTIVE VEHICLE (PV) TO A TRANSPORTABLE ATTENUATOR (TA). ADDITIONAL PV/TAs MAY BE ADDED AT SEPARATE WORK CREWS.
3. MAY SHIFT LATERALLY. 28" REFLECTIVE TRAFFIC CONES AT CENTERLINE ARE OPTIONAL. 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 WITH VEHICULAR TRAFFIC. BIKES ESCORTED DIRECTLY BEHIND PILOT CAR @ 10± MPH.
   (C) PROVIDE FREE PED/BIKE SHUTTLE (PILOT CAR, WORK VEHICLE, VAN, OR BUS MAY BE USED).
   (D) ALTERNATE BIKE/PEDS USING A SEPARATED 2-WAY BIKE LANE. (SEE SHEET 3)
5. PILOT CAR OPERATOR TO DRIVE SPEED PRUDENT FOR WORK ZONE CONDITIONS, STOPPING TRAFFIC IF NECESSARY, UP TO A MAXIMUM SPEED OF 35 MPH (25 MPH AT LANE SHIFT), 10± MPH WHEN ESCORTING BIKES.
6. 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
7. FOR PROJECT-SPECIFIC REQUIREMENTS SEE SPECIAL PROVISIONS.
8. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
9. EXISTING PAVEMENT MARKINGS MAY VARY.

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SHARED BIKE-VEHICLE LANE STRATEGY (45+ MPH HIGHWAYS)

NOT TO SCALE

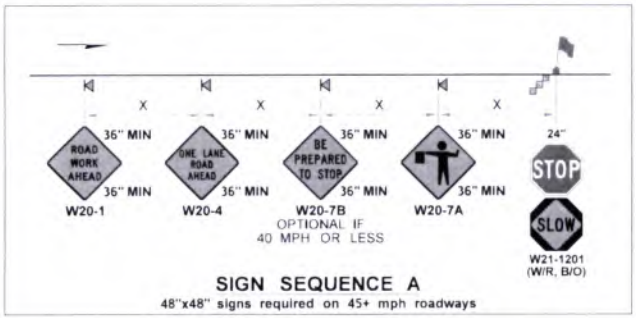
FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\323\Hwy45+AltTrafficFlaggerPilotCarOp.dgn								Plot 1
TIME	1:53:48 PM			REGION NO.	STATE	FED.AID PROJ.NO.		Washington State Department of Transportation	PLAN SHEET NO. TC323
DATE	4/2/2024			10	WASH				
PLOTTED BY	LintzF			JOB NUMBER					SHEET 1 OF 4 SHEETS
DESIGNED BY								TYPICAL TRAFFIC CONTROL PLANS	
ENTERED BY				CONTRACT NO.		LOCATION NO.			
CHECKED BY									
PROJ. ENGR.							DATE	DATE	
REGIONAL ADM.	REVISION	DATE	BY				P.E. STAMP BOX	P.E. STAMP BOX	

NOTES:

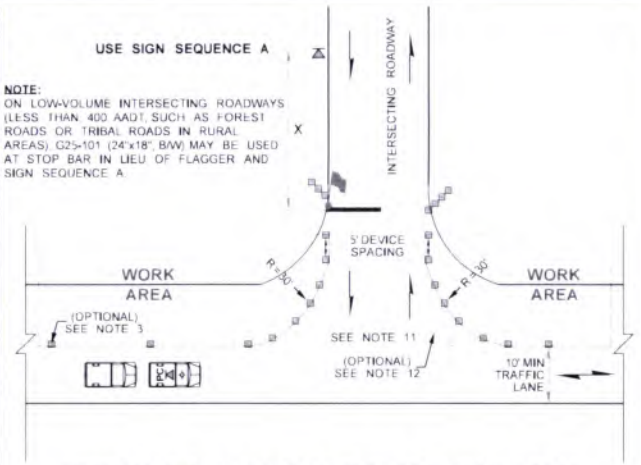
10 FOR LEGEND, TABLES AND ADDITIONAL NOTES SEE TC323 SHEET 1

11 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.

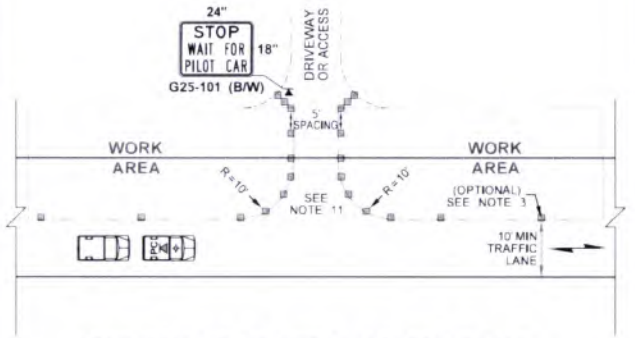
12 SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



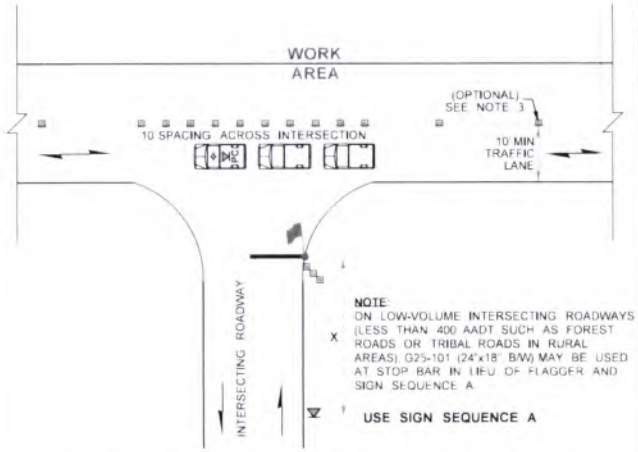
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



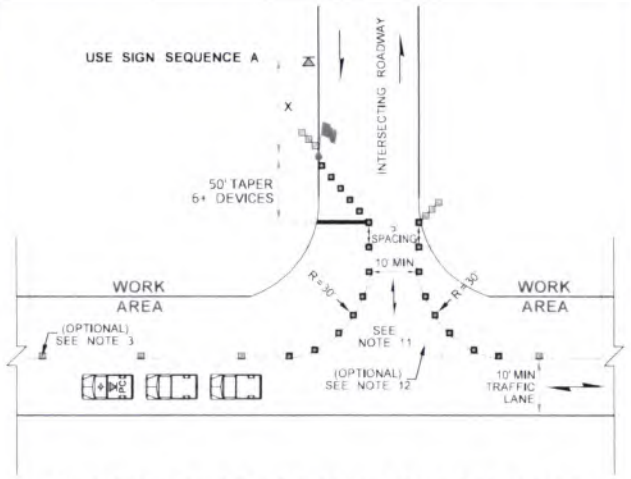
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



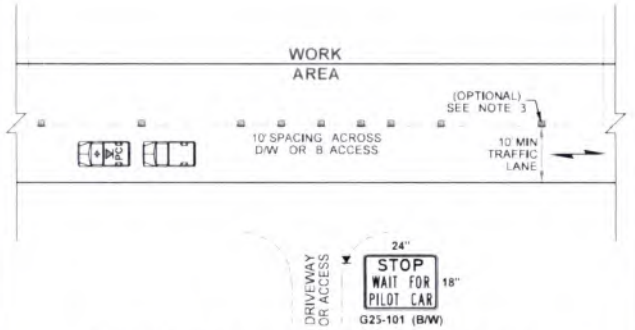
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SHARED BIKE-VEHICLE LANE STRATEGY (45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\323\Hwy45+AltTrafficFlaggerPilotCarOp.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			Plot 2
TIME	1:53:48 PM			10	WASH			Washington State Department of Transportation	PLAN REF NO. TC323
DATE	4/2/2024			JOB NUMBER					
PLOTTED BY	LintzF								SHEET 2 OF 4 SHEETS
DESIGNED BY									
ENTERED BY									
CHECKED BY				CONTRACT NO.		LOCATION NO.			
PROJ. ENGR.							DATE	DATE	
REGIONAL ADM.		REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX	TYPICAL TRAFFIC CONTROL PLANS

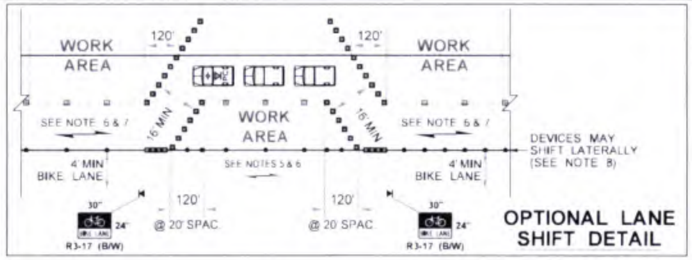
RECOMMENDED SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800'±
RURAL ROADS	45-55 MPH	500'±

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	45	50	55	60	65
B (feet)	360	425	495	570	645

Buffer space may be adjusted (±) based on field conditions.

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50 - 65	10-20	80
45	10-20	60



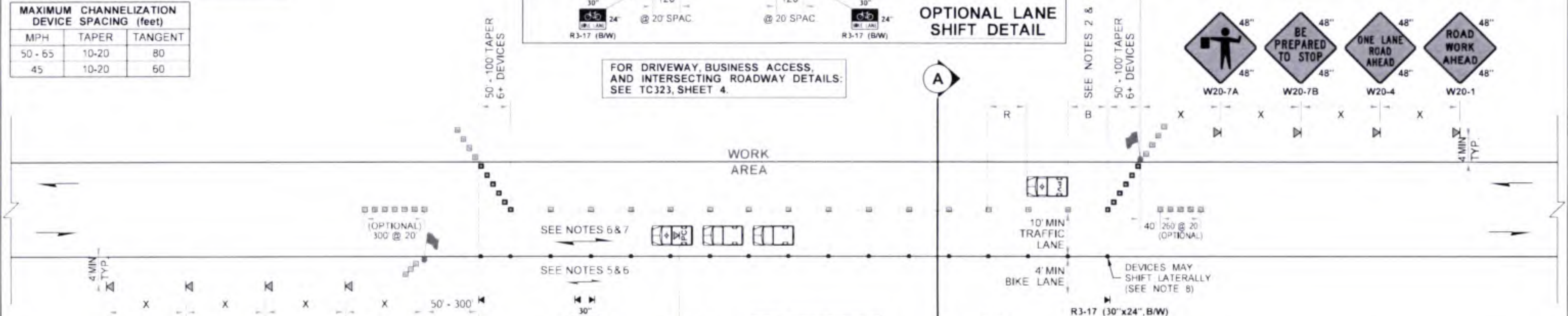
OPTIONAL LANE SHIFT DETAIL

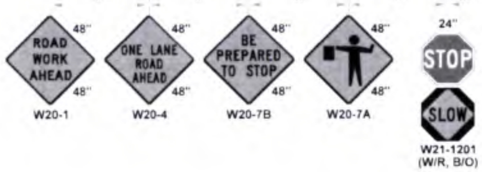
FOR DRIVEWAY, BUSINESS ACCESS, AND INTERSECTING ROADWAY DETAILS: SEE TC323, SHEET 4.

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R			
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.		HOST VEHICLE WEIGHT 22,000+ lbs.	
45-55 MPH	60+ MPH	45-55 MPH	60+ MPH
123'	172'	100'	150'





24" STOP / SLOW W21-1201 (W/R, B/O)

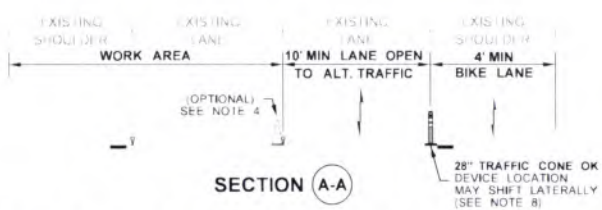
30" × 24" R3-17 (B/W)

R3-17a (B/W) @ ¼ ± MILE SPACING THROUGHOUT LANE CLOSURE

36" PILOT CAR FOLLOW ME × 18" OR G20-4

TRUCK-MOUNTED PCMS	
1	2
PILOT CAR	FOLLOW ME
2.0 SEC	2.0 SEC

10+ INCH CHARACTERS MOUNTED TO PILOT CAR.



SECTION (A-A)

NOTES:

1. [illegible]
2. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER.
3. **IF LONGITUDINAL BUFFER SPACE REDUCED** FROM DISTANCES LISTED IN TABLE, UPGRADE PROTECTIVE VEHICLE (PV) TO A TRANSPORTABLE ATTENUATOR (TA). ADDITIONAL PV/TAs MAY BE ADDED AT SEPARATE WORK CREWS.
4. MAY SHIFT LATERALLY CHANNELIZATION DEVICE AT CENTERLINE OPTIONAL. 36" TRAFFIC CONES, 42" TALL CHANNELIZATION DEVICES OR TRAFFIC SAFETY DRUMS OK.
5. BICYCLIST ACCOMMODATION: ALTERNATE BIKES IN THE SEPARATED 2-WAY 4 MIN BIKE LANE.
6. PEDESTRIAN ACCOMMODATIONS (ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES):
   (A) ALTERNATE BOTH BIKE & PEDS IN THE SEPARATE 2-WAY BIKE LANE (4' MIN, 8' WIDTH PREFERRED)
   (B) PROVIDE FREE PED SHUTTLE (PILOT CAR, WORK VEHICLE, VAN, OR BUS MAY BE USED)
7. PILOT CAR OPERATOR TO DRIVE SPEED PRUDENT FOR WORK ZONE CONDITIONS, STOPPING TRAFFIC IF NECESSARY, UP TO A MAXIMUM SPEED OF 35 MPH (25 MPH AT LANE SHIFT).
8. 28" TRAFFIC CONE OK. DEVICE MAY SHIFT LATERALLY BUT PROVIDE 4' MIN BIKE LANE & 10' MIN TRAFFIC LANE.
9. 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
10. FOR PROJECT-SPECIFIC REQUIREMENTS SEE SPECIAL PROVISIONS.
11. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
12. EXISTING PAVEMENT MARKINGS MAY VARY.

LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 4)
- OPTIONAL CHANNELIZATION DEVICE
- 28" PORTABLE TUBULAR MARKER (SEE NOTE 8)
- PROTECTIVE VEHICLE (SEE NOTE 3)
- PILOT CAR (SEE NOTES 6 & 7)
- MOTORIST VEHICLE
- FLAGGER

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SEPARATED BICYCLE LANE STRATEGY (45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\323Hwy45+AltTrafficFlaggerPilotCarOp.dgn
TIME	1:53:49 PM
DATE	4/2/2024
PLOTTED BY	LintzF
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER | CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE | P.E. STAMP BOX DATE

Washington State Department of Transportation

TYPICAL TRAFFIC CONTROL PLANS

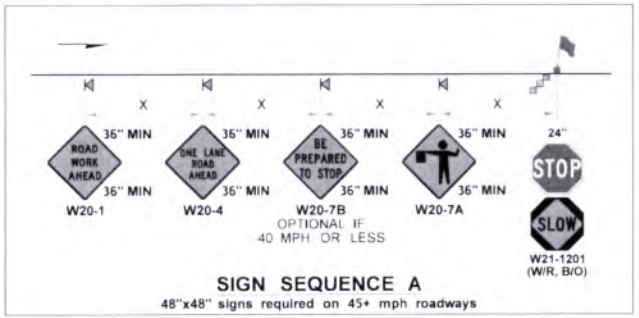
Plot 3 | PLAN REF NO TC323 | SHEET 3 OF 4 SHEETS

NOTES:

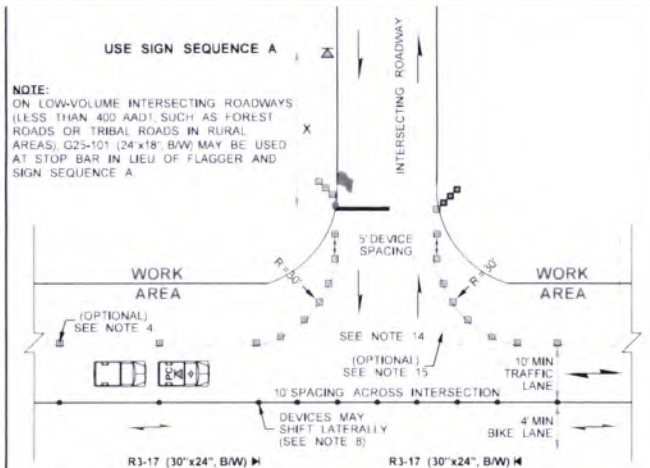
13. FOR LEGEND, TABLES, AND ADDITIONAL NOTES, SEE TC323, SHEET 3.

14. 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.

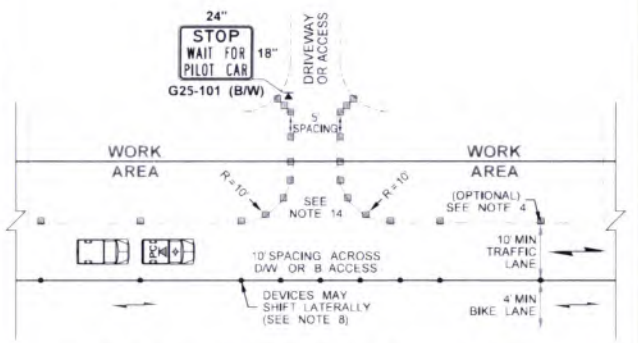
15. SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



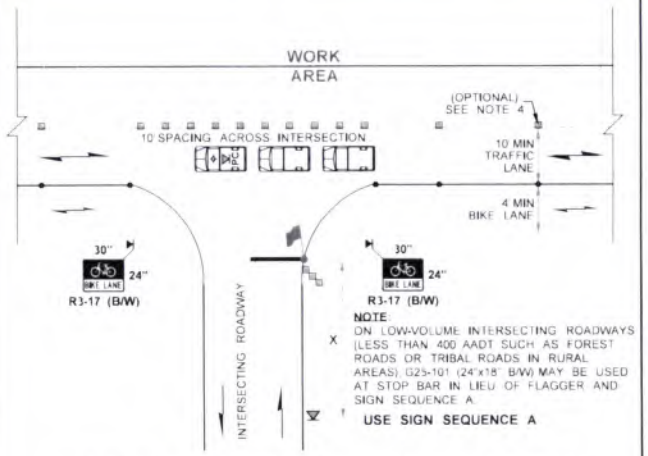
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



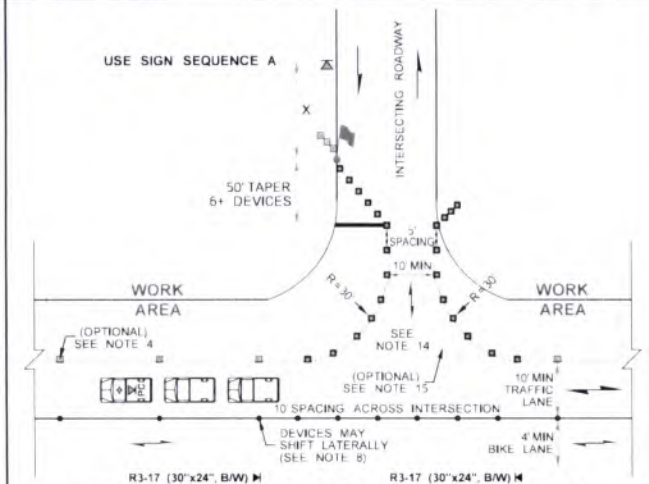
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



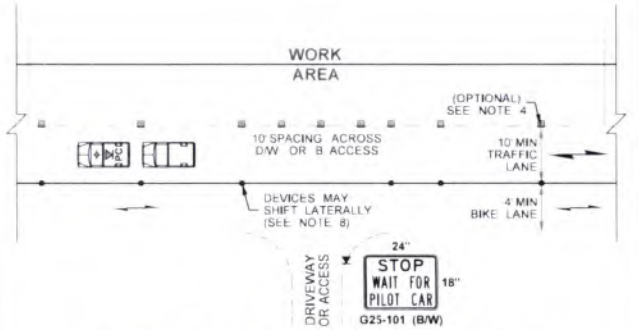
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SEPARATED BICYCLE LANE STRATEGY (45+ MPH HIGHWAYS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\323\Hwy45+AltTrafficFlaggerPilotCarOp.dgn							Plot 4
TIME	1:53:49 PM			REGION NO.	STATE	FED.AID PROJ.NO.		PLAN REF NO. TC323
DATE	4/2/2024			10	WASH		Washington State Department of Transportation	
PLOTTED BY	LintzF			JOB NUMBER				SHEET 4 OF 4 SHEETS
DESIGNED BY								
ENTERED BY				CONTRACT NO.		LOCATION NO.		
CHECKED BY								
PROJ. ENGR.						DATE	DATE	TYPICAL TRAFFIC CONTROL PLANS
REGIONAL ADM.	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX	

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.

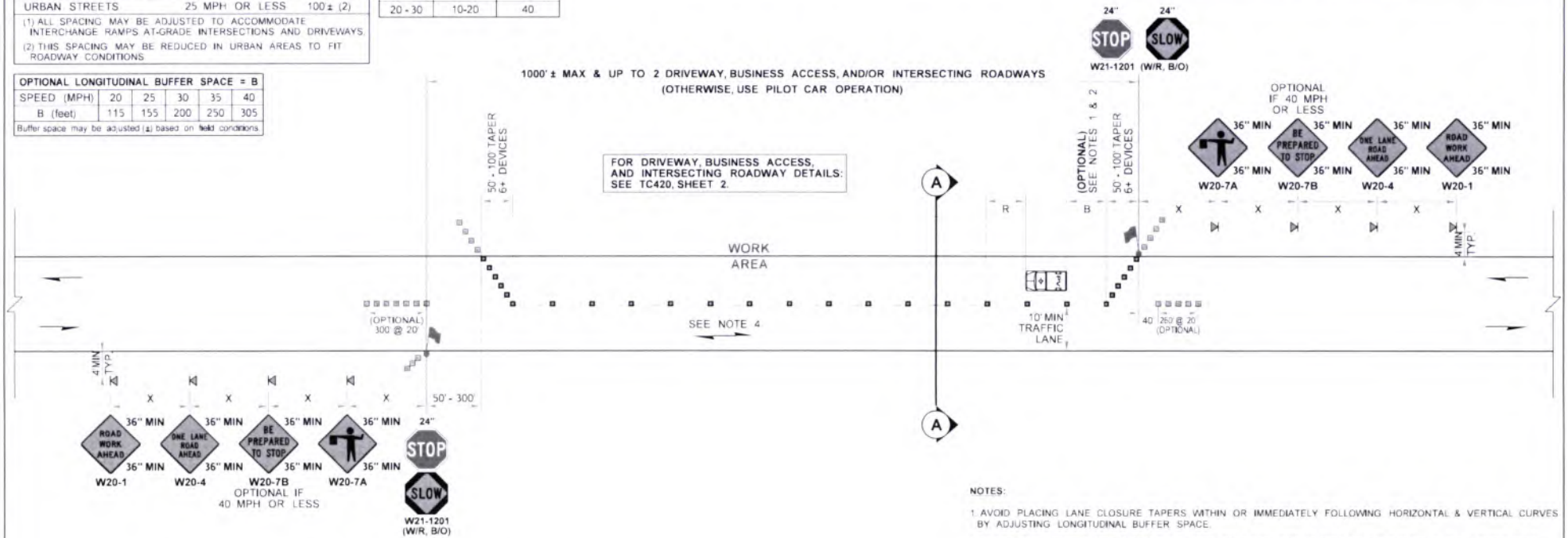
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

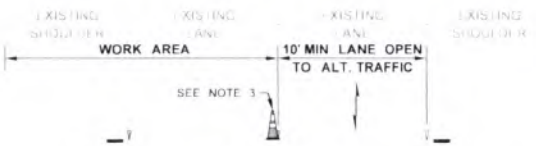
MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10-20	60
20 - 30	10-20	40

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

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.





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

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\420Hwy40-AltTrafficFlagger.dgn							Plot 1
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DATE	4/2/2024			10	WASH			
PLOTTED BY	LintzF			JOB NUMBER				SHEET 1 OF 4 SHEETS
DESIGNED BY								
ENTERED BY				CONTRACT NO.		LOCATION NO.		
CHECKED BY								
PROJ. ENGR.								
REGIONAL ADM.	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

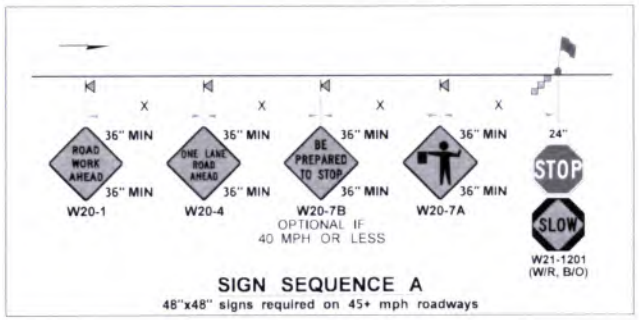
TYPICAL TRAFFIC CONTROL PLANS

NOTES:

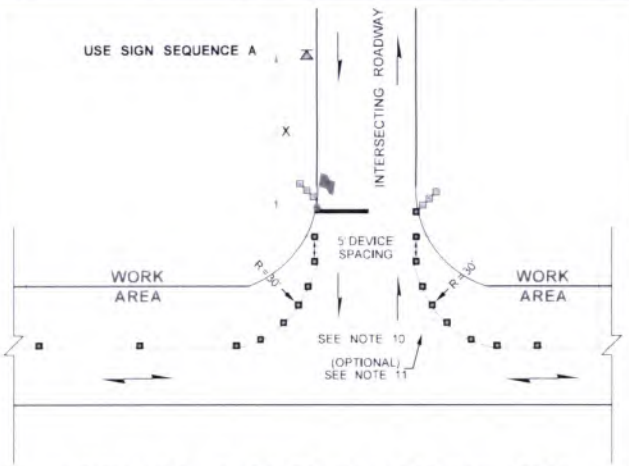
9. FOR LEGEND TABLES AND ADDITIONAL NOTES: SEE TC420 SHEET 1.

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.

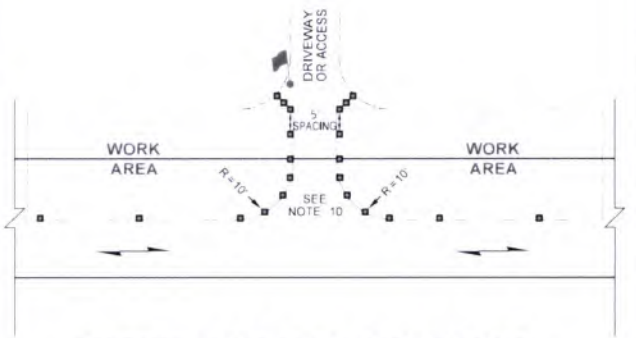
11. SINGLE FLAGGER (WITH RED FLAG/ RED GLOW CONE/ FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



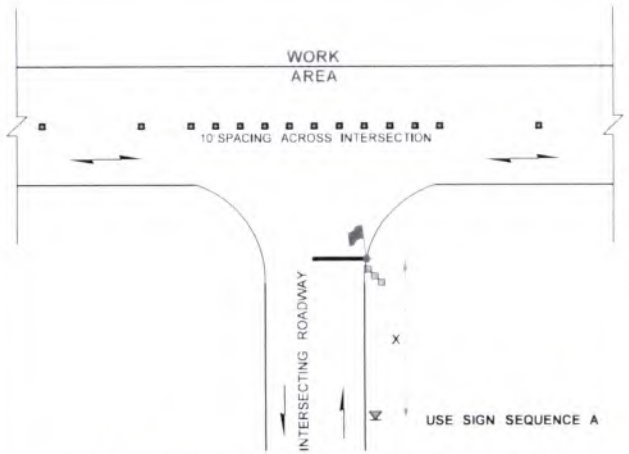
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



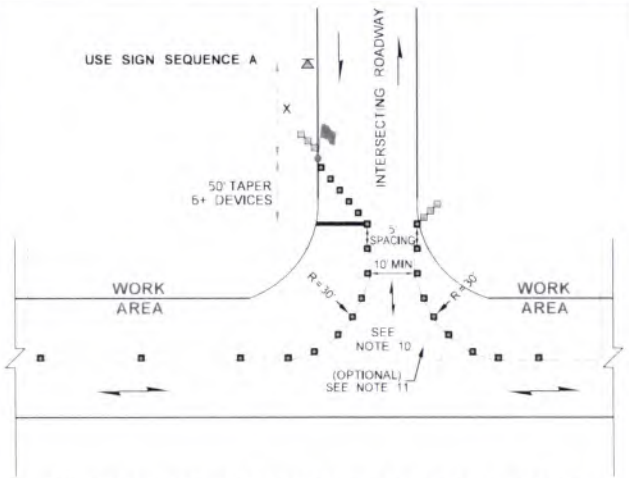
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



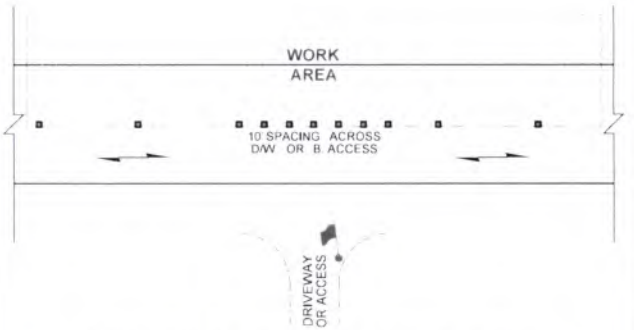
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\420Hwy40-AltTrafficFlagger.dgn			REGION NO.	STATE	FED.AID PROJ.NO.			Plot 2
TIME	2:05:04 PM			10	WASH			Washington State Department of Transportation	PLAN REF. NO. TC420
DATE	4/2/2024			JOB NUMBER					
PLOTTED BY	LintzF								SHEET 2 OF 4 SHEETS
DESIGNED BY				CONTRACT NO.		LOCATION NO.			
ENTERED BY							DATE	DATE	
CHECKED BY							P.E. STAMP BOX	P.E. STAMP BOX	
PROJ. ENGR.									TYPICAL TRAFFIC CONTROL PLANS
REGIONAL ADM.	REVISION	DATE	BY						

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)

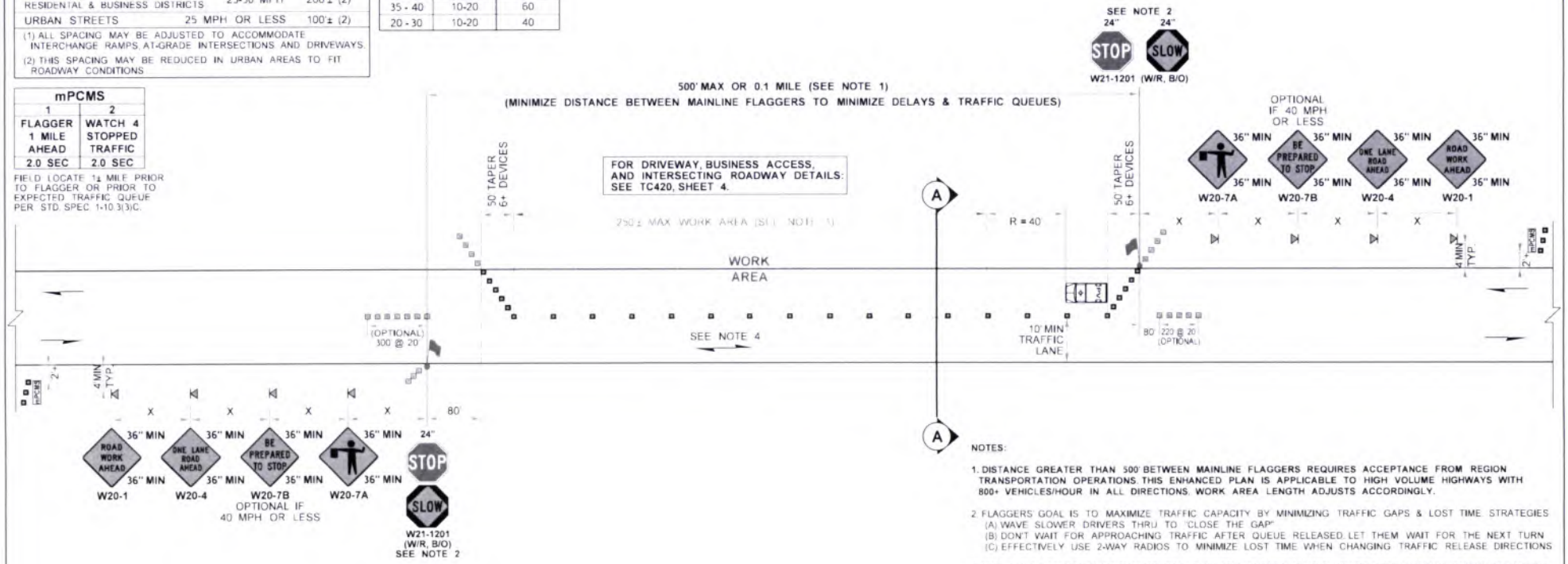
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

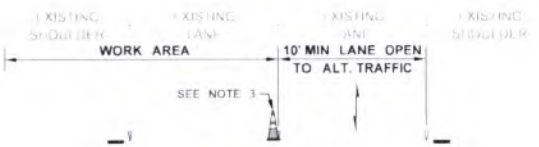
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10-20	60
20 - 30	10-20	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
- mPCMS 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 800+ 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 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. 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

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\420Hwy40-AltTrafficFlagger.dgn						Plot 3
TIME	2:05:05 PM			REGION NO. / STATE: 10 WASH	FED.AID PROJ.NO.	Washington State Department of Transportation	PLAN SHT NO. TC420
DATE	4/2/2024						
PLOTTED BY	LintzF			JOB NUMBER			
DESIGNED BY							SHEET 3 OF 4 SHEETS
ENTERED BY				CONTRACT NO.	LOCATION NO.		
CHECKED BY							
PROJ. ENGR.				P.E. STAMP BOX / DATE	P.E. STAMP BOX / DATE	TYPICAL TRAFFIC CONTROL PLANS	
REGIONAL ADM.	REVISION	DATE	BY				

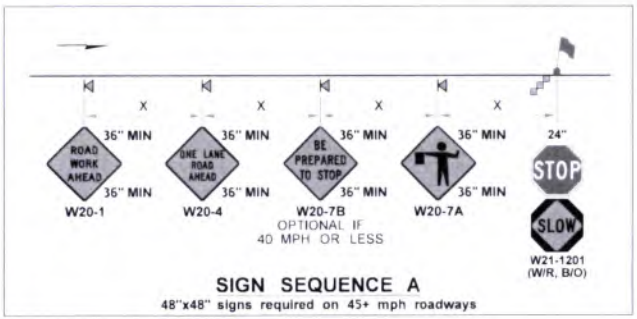
NOTES:

10. FOR LEGEND, TABLES AND ADDITIONAL NOTES SEE TC420 SHEET 3.

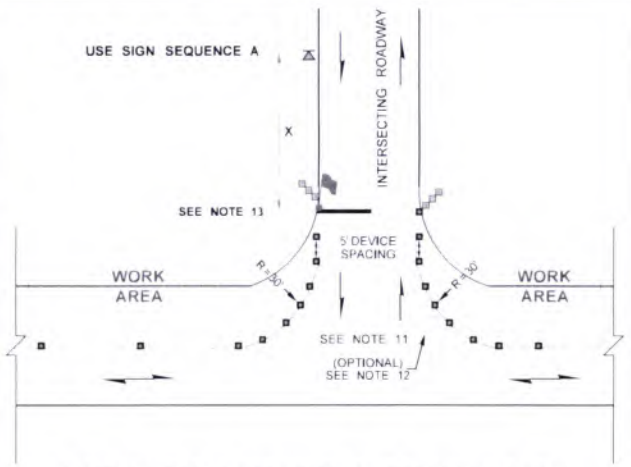
11. WORK MAY BRIEFLY OCCUR WITHIN LANE CLOSURE ACROSS INTERSECTING BUSINESS ACCESSES AND DRIVEWAYS ONLY. **MAY HOLD ACCESS TRAFFIC FOR LESS THAN 1 MINUTE** WHILE RESTRICTING TURNS FROM MAINLINE CHANNELIZATION DEVICES DELINEATING APPROACH OR ACCESS MAY BE REMOVED OR RELOCATED AS NEEDED.

12. SINGLE FLAGGER (WITH RED FLAG/RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.

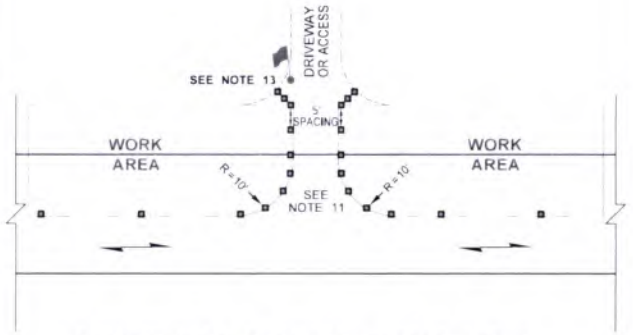
13. **FLAGGERS MAY COLLABORATE TO RELEASE APPROACH/ACCESS AND MAINLINE TRAFFIC TRAVELING IN THE SAME DIRECTION CONCURRENTLY.**



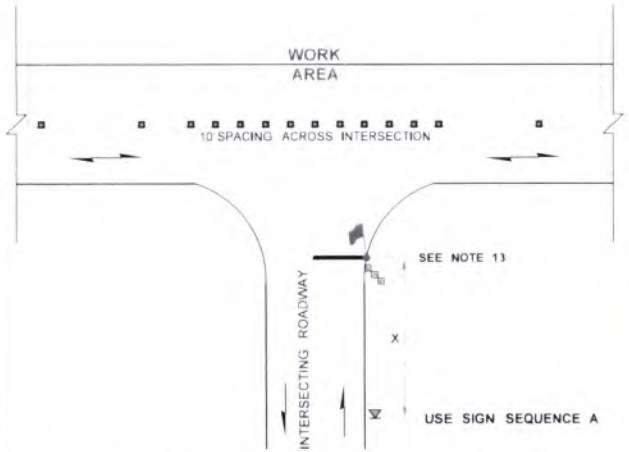
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



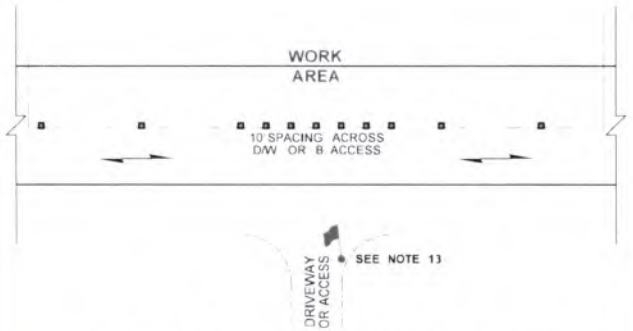
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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

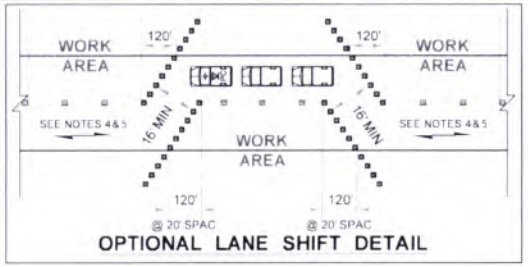
FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\420Hwy40-AltTrafficFlagger.dgn			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Washington State Department of Transportation	Plot 4
TIME	2:05:05 PM			JOB NUMBER					PLAN SHT NO. TC420
DATE	4/2/2024			CONTRACT NO.	LOCATION NO.				SHEET 4 OF 4 SHEETS
PLOTTED BY	LintzF								
DESIGNED BY									
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

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.

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.



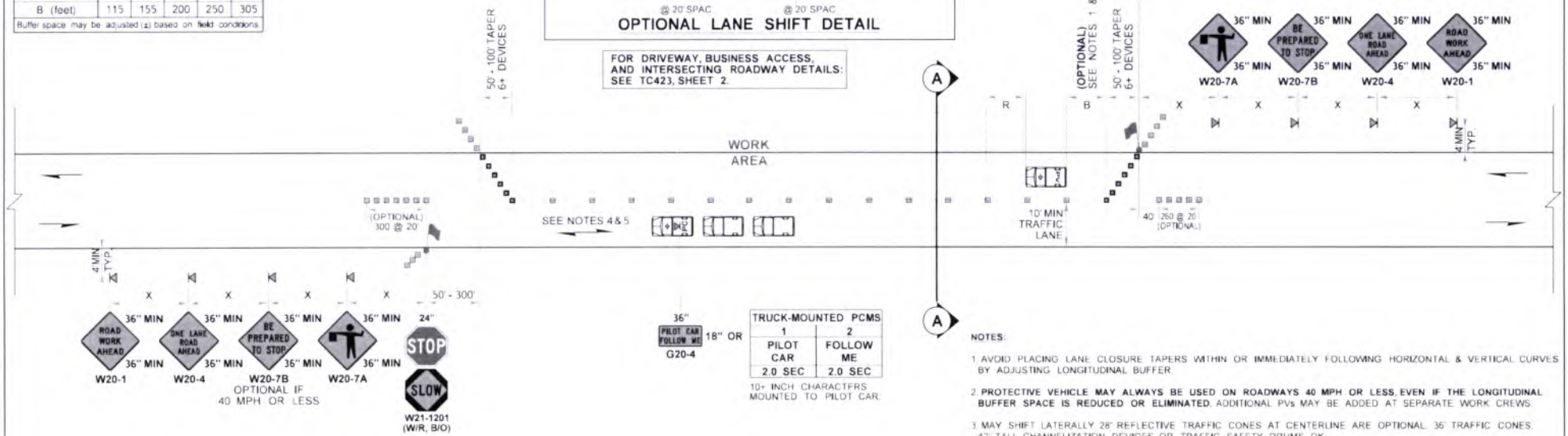
OPTIONAL LANE SHIFT DETAIL

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10-20	60
20 - 30	10-20	40

W21-1201 (W/R, B/O)

FOR DRIVEWAY, BUSINESS ACCESS, AND INTERSECTING ROADWAY DETAILS: SEE TC423, SHEET 2.

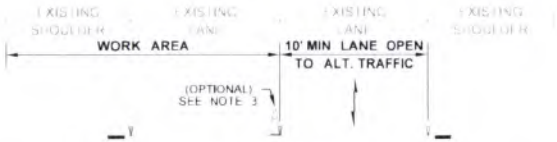


TRUCK-MOUNTED PCMS	
1	2
PILOT CAR	FOLLOW ME
2.0 SEC	2.0 SEC

10+ INCH CHARACTERS MOUNTED TO PILOT CAR.

NOTES:

1. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER.
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 28" REFLECTIVE TRAFFIC CONES AT CENTERLINE ARE OPTIONAL. 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 WITH VEHICULAR TRAFFIC BIKES ESCORTED DIRECTLY BEHIND PILOT CAR @ 10± MPH
   (C) PROVIDE FREE PED/BIKE SHUTTLE (PILOT CAR WORK VEHICLE, VAN OR BUS MAY BE USED)
   (D) ALTERNATE BIKE/PEDS USING A SEPARATED 2-WAY BIKE LANE (SEE SHEET 3)
5. PILOT CAR OPERATOR TO DRIVE SPEED PRUDENT FOR WORK ZONE CONDITIONS, STOPPING TRAFFIC IF NECESSARY UP TO A MAXIMUM SPEED OF 35 MPH (25 MPH AT LANE SHIFT), 10± MPH WHEN ESCORTING BIKES.
6. 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
7. FOR PROJECT-SPECIFIC REQUIREMENTS SEE SPECIAL PROVISIONS.
8. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
9. EXISTING PAVEMENT MARKINGS MAY VARY.



SECTION (A-A)

LEGEND:
- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 3)
- OPTIONAL CHANNELIZATION DEVICE
- PROTECTIVE VEHICLE (SEE NOTE 2)
- PILOT CAR (SEE NOTES 4 & 5)
- MOTORIST VEHICLE
- FLAGGER

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SHARED BIKE-VEHICLE LANE STRATEGY (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

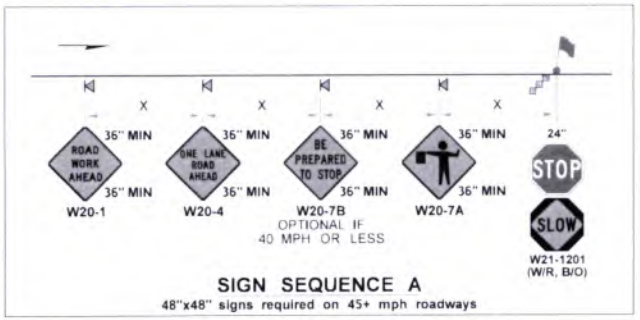
FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\423Hwy40-AltTrafficFlaggerPilotCarOp.dgn							Plot 1
TIME	2:06:01 PM			REGION NO.	STATE	FED.AID PROJ.NO.		PLAN REF. NO. TC423
DATE	4/2/2024			10	WASH		Washington State Department of Transportation	
PLOTTED BY	LintzF			JOB NUMBER				
DESIGNED BY								SHEET 1 OF 4 SHEETS
ENTERED BY								
CHECKED BY				CONTRACT NO.		LOCATION NO.		
PROJ. ENGR.								
REGIONAL ADM.	REVISION	DATE	BY				TYPICAL TRAFFIC CONTROL PLANS	

NOTES:

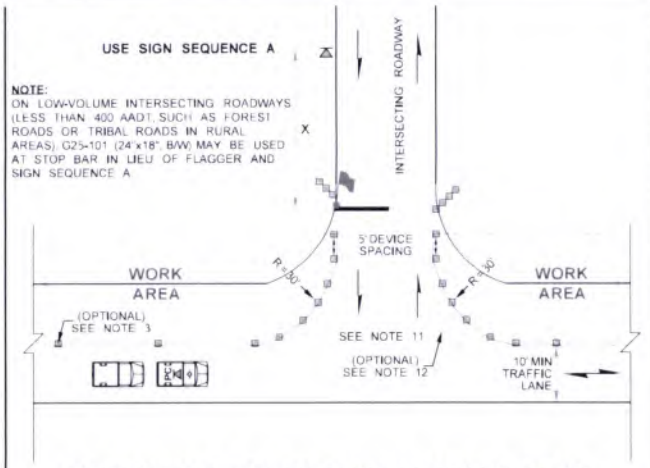
10. FOR LEGEND, TABLES, AND ADDITIONAL NOTES SEE TC423 SHEET 1.

11. WORK MAY BRIEFLY OCCUR WITHIN LANE CLOSURE ACROSS INTERSECTING ROADWAY APPROACHES, BUSINESS ACCESSES, OR DRIVEWAYS **MAY HOLD APPROACH OR ACCESS TRAFFIC FOR 3 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.

12. SINGLE FLAGGER (WITH RED FLAG, RED GLOW CONE, FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.

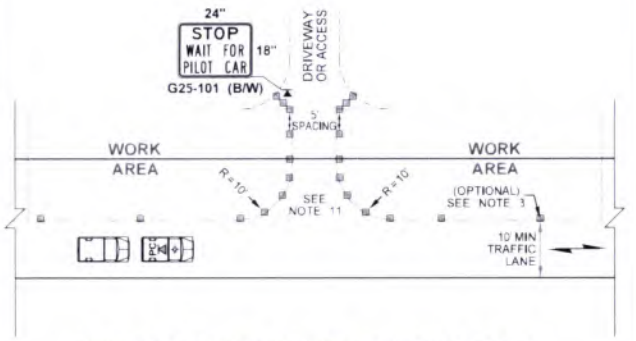


SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways

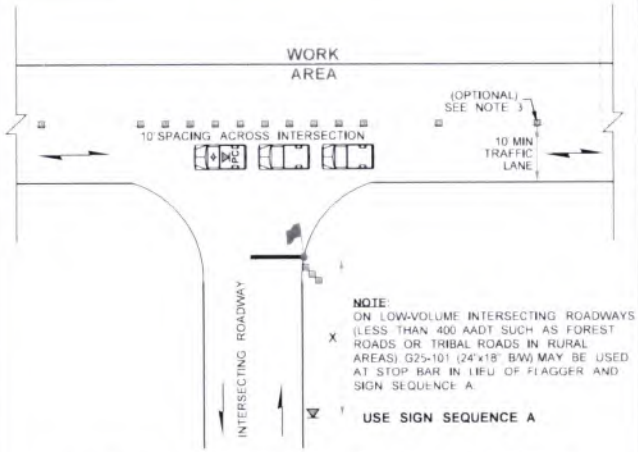


NOTE:
ON LOW-VOLUME INTERSECTING ROADWAYS (LESS THAN 400 AADT, SUCH AS FOREST ROADS OR TRIBAL ROADS IN RURAL AREAS), G25-101 (24"x18", B/W) MAY BE USED AT STOP BAR IN LIEU OF FLAGGER AND SIGN SEQUENCE A.

UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)

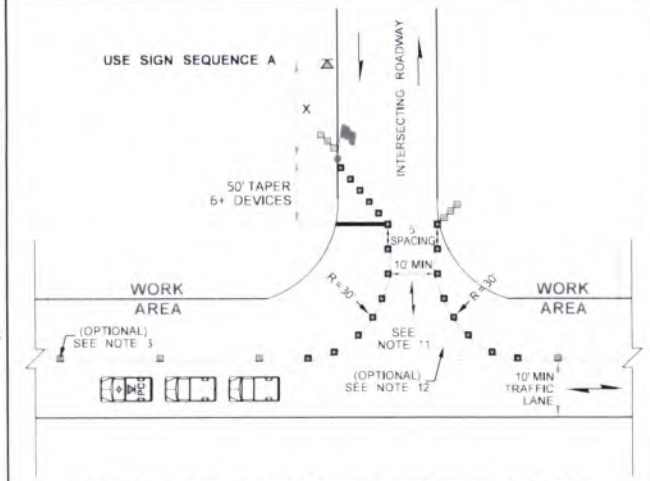


DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE

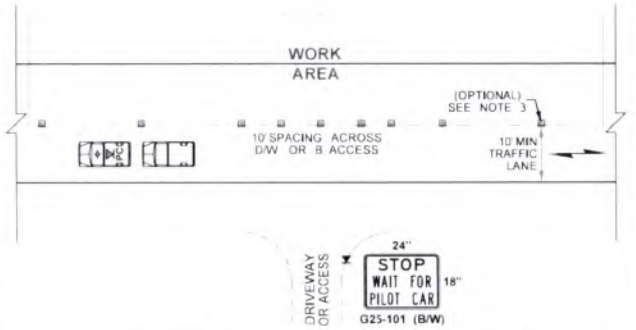


NOTE:
ON LOW-VOLUME INTERSECTING ROADWAYS (LESS THAN 400 AADT, SUCH AS FOREST ROADS OR TRIBAL ROADS IN RURAL AREAS), G25-101 (24"x18", B/W) MAY BE USED AT STOP BAR IN LIEU OF FLAGGER AND SIGN SEQUENCE A.

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

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SHARED BIKE-VEHICLE LANE STRATEGY (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\423\Hwy40-AltTrafficFlaggerPilotCarOp.dgn			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	P.E. STAMP BOX / DATE	P.E. STAMP BOX / DATE	Plot 2
TIME	2:06:01 PM								PLAN SHEET NO. TC423
DATE	4/2/2024						Washington State Department of Transportation		
PLOTTED BY	LintzF			JOB NUMBER				TYPICAL TRAFFIC CONTROL PLANS	SHEET 2 OF 4 SHEETS
DESIGNED BY									
ENTERED BY				CONTRACT NO.		LOCATION NO.			
CHECKED BY									
PROJ. ENGR.									
REGIONAL ADM.	REVISION	DATE	BY						

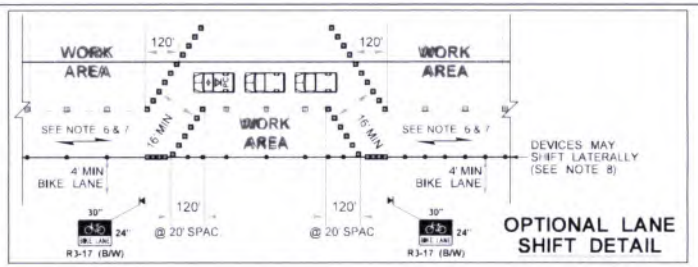
RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350'±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)

(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.

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.

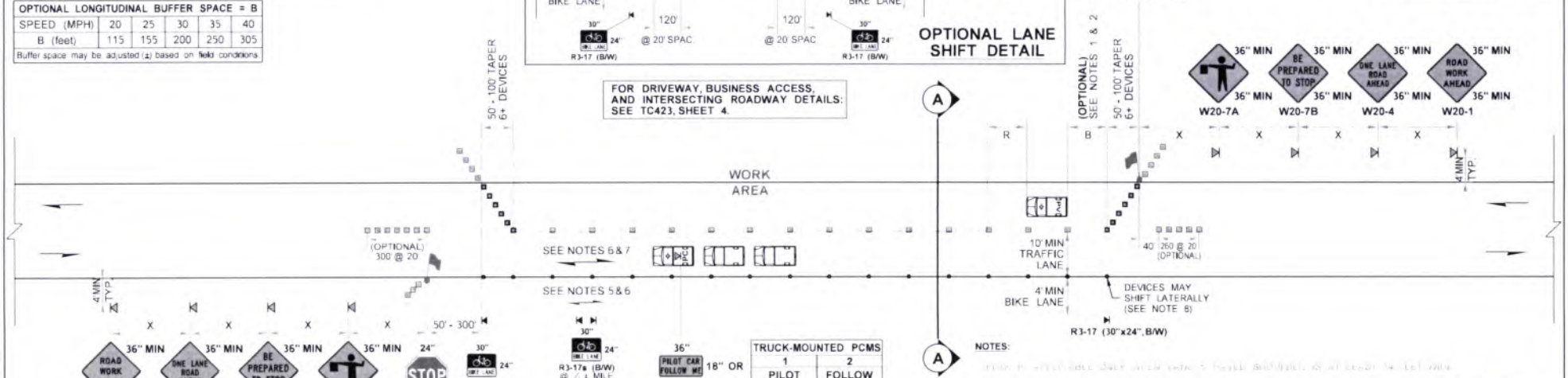


OPTIONAL LANE SHIFT DETAIL

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35 - 40	10-20	60
20 - 30	10-20	40

FOR DRIVEWAY, BUSINESS ACCESS, AND INTERSECTING ROADWAY DETAILS: SEE TC423, SHEET 4.



TRUCK-MOUNTED PCMS	
1	2
PILOT CAR	FOLLOW ME
2.0 SEC	2.0 SEC

10+ INCH CHARACTERS MOUNTED TO PILOT CAR

NOTES:

1. [illegible]

2. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER.

3. 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.

4. MAY SHIFT LATERALLY. CHANNELIZATION DEVICE AT CENTERLINE OPTIONAL. 36" TRAFFIC CONES, 42" TALL CHANNELIZATION DEVICES OR TRAFFIC SAFETY DRUMS OK.

5. BICYCLIST ACCOMMODATION: ALTERNATE BIKES IN THE SEPARATED 2-WAY, 4' MIN. BIKE LANE.

6. PEDESTRIAN ACCOMMODATIONS: (ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES):
   (A) ALTERNATE BOTH BIKE & PEDS IN THE SEPARATE 2-WAY, BIKE LANE. (4' MIN, 8' WIDTH PREFERRED)
   (B) PROVIDE FREE, PED SHUTTLE (PILOT CAR, WORK VEHICLE, VAN, OR BUS) MAY BE USED.

7. PILOT CAR OPERATOR TO DRIVE SPEED PRUDENT FOR WORK ZONE CONDITIONS, STOPPING TRAFFIC IF NECESSARY. UP TO A MAXIMUM SPEED OF 35 MPH (25 MPH AT LANE SHIFT).

8. 28" TRAFFIC CONE OK. DEVICE MAY SHIFT LATERALLY, BUT PROVIDE 4' MIN. BIKE LANE & 10' MIN. TRAFFIC LANE.

9. 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

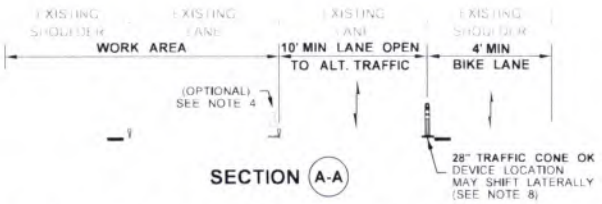
10. FOR PROJECT-SPECIFIC REQUIREMENTS SEE SPECIAL PROVISIONS.

11. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

12. EXISTING PAVEMENT MARKINGS MAY VARY.

LEGEND:

- TEMPORARY SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 4)
- OPTIONAL CHANNELIZATION DEVICE
- 28" PORTABLE TUBULAR MARKER (SEE NOTE 8)
- PROTECTIVE VEHICLE (SEE NOTE 3)
- PILOT CAR (SEE NOTES 6 & 7)
- MOTORIST VEHICLE
- FLAGGER



SECTION (A-A)

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED SEPARATED BICYCLE LANE STRATEGY (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

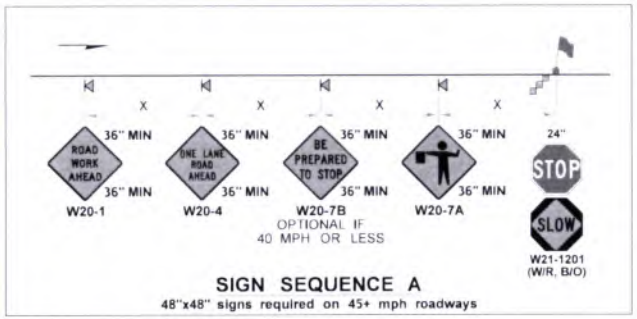
FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\423Hwy40-AltTrafficFlaggerPilotCarOp.dgn								Plot 3
TIME	2:06:02 PM				REGION NO.	STATE	FED.AID PROJ.NO.		PLAN REF NO. TC423
DATE	4/2/2024				10	WASH		Washington State Department of Transportation	
PLOTTED BY	LintzF				JOB NUMBER				
DESIGNED BY									SHEET 3 OF 4 SHEETS
ENTERED BY									
CHECKED BY					CONTRACT NO.		LOCATION NO.		
PROJ. ENGR.									
REGIONAL ADM.		REVISION	DATE	BY				TYPICAL TRAFFIC CONTROL PLANS	

NOTES:

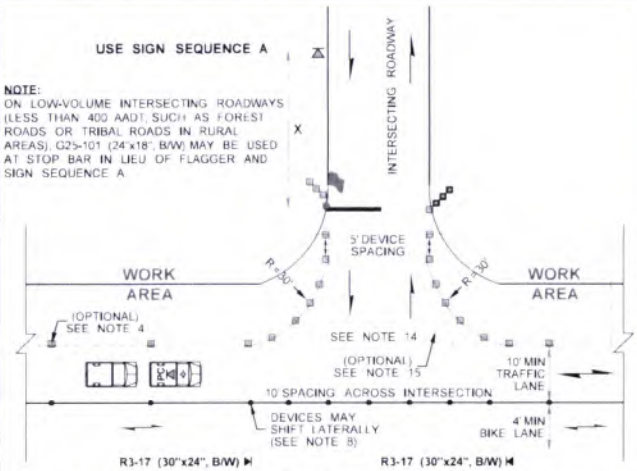
13. FOR LEGEND, TABLES AND ADDITIONAL NOTES SEE TC423 SHEET 3.

14. 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.

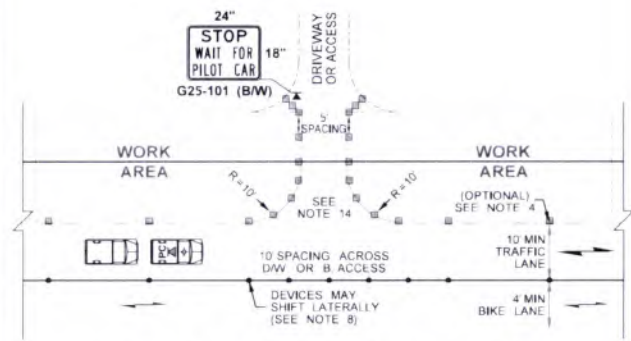
15. SINGLE FLAGGER (WITH RED FLAG/RED GLOW CONE FLASHLIGHT) MAY BE ADDED TO THE INTERSECTING ROADWAY APPROACH TO HELP GUIDE ALTERNATING & TURNING TRAFFIC.



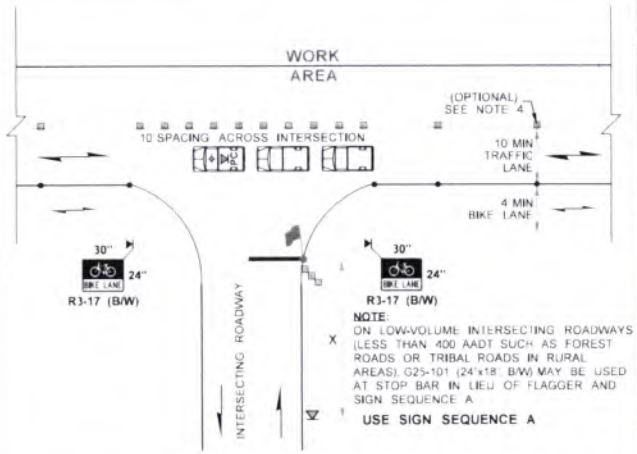
SIGN SEQUENCE A
48"x48" signs required on 45+ mph roadways



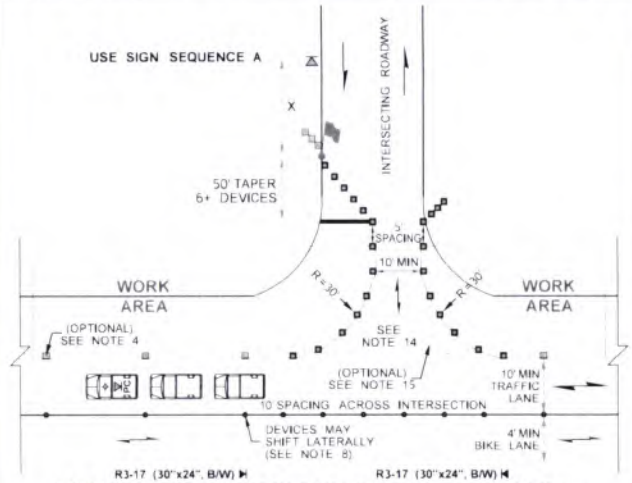
UNSIGNALIZED INTERSECTING ROADWAY DETAIL
SAME SIDE AS LANE CLOSURE (TWO OPEN LANES)



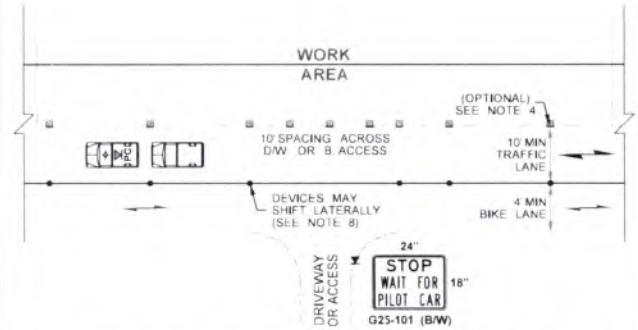
DRIVEWAY OR BUSINESS ACCESS DETAIL
SAME SIDE AS LANE CLOSURE



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

PILOT CAR OPERATION FOR ALTERNATING 1-LANE, 2-WAY TRAFFIC; FLAGGER-CONTROLLED SEPARATED BICYCLE LANE STRATEGY (HIGHWAYS, 40 MPH OR LESS)

NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\423Hwy40-AltTrafficFlaggerPilotCarOp.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Plot 4
TIME	2:06:02 PM								PLAN REF. NO. TC423
DATE	4/2/2024								
PLOTTED BY	LintzF				JOB NUMBER				
DESIGNED BY									SHEET 4 OF 4 SHEETS
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

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