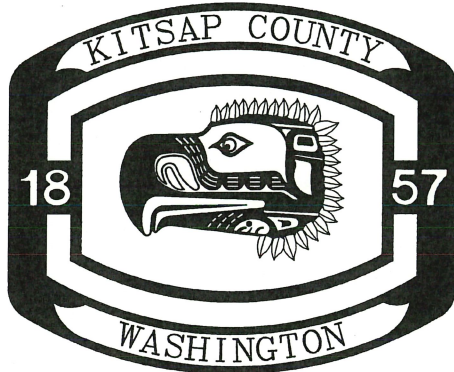


KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3686

**SILVERDALE WAY PRESERVATION  
OVERLAY AND STORMWATER RETROFIT**



**CONTRACT PROVISIONS**

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
614 DIVISION STREET, MS-26  
PORT ORCHARD, WASHINGTON 98366-4699  
360.337.5777

APPROVED FOR CONSTRUCTION:

1/15/25  
DATE

  
JOSEPH P. RUTAN, P.E.  
COUNTY ENGINEER

BACK OF COVER

SILVERDALE WAY PRESERVATION

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## ATTACHMENTS

WASHINGTON STATE PREVAILING WAGE RATES, STATE BENEFIT CODE KEY  
AND SUPPLEMENTAL (L&I STATEMENT)

TRAFFIC CONTROL PLANS

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## CALL FOR BIDS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3686

### SILVERDALE WAY PRESERVATION OVERLAY AND STORMWATER RETROFIT

BID OPENING: DATE: February 11, 2025 TIME: 11:00 AM

Sealed bids for the project designated above will be received by Kitsap County Department of Public Works before the time and date indicated above, at which time they will be opened and publicly read aloud. The Public Works building is closed to the public.

**Bids delivered in person or by private carrier (UPS, Federal Express, etc.) will be received by staff from Kitsap County Department of Public Works between the hours of 10:30 AM and 11:00 AM at:**

Kitsap County Department of Public Works  
**Front Entrance of the Public Works Building,**  
507 Austin Avenue  
Port Orchard, Washington

Bids will be opened and publicly read aloud at the front entrance of the Public Works Building.

Bids delivered by US Postal Service shall be addressed to:

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

Prospective bidders are hereby notified that they are solely responsible for ensuring timely delivery of their bid to the place of bid opening.

All bid proposals shall be accompanied by a bid proposal surety bond made payable to Kitsap County Department of Public Works in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful Bidder fail to enter into such contract and furnish satisfactory performance and payment bonds within the time stated in the Special Provisions, the bid proposal bond shall be forfeited to Kitsap County Department of Public Works.

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

- 1) Proposal Form**
- 2) Bid Bond**
- 3) Bidder Responsibility Statement**
- 4) Certification of Compliance with Wage Payment Statutes**
- 5) Non-Collusion Affidavit**
- 6) Subcontractor List**
- 7) Proposal for Incorporating Recycled Materials into the Project**

All of the above items must be complete in all respects, including signatures (notarized where required). Bidder shall acknowledge receipt of all addendums in the spaces provided. The successful Bidder will be required to submit a photocopy of their current Washington State Contractors Registration. Failure to include all items may be cause for the bid to be considered irregular and thereby rejected.

Bids or proposals received after the time set for the opening of bids will not be considered.

Bidders are notified that all bids are likely to be rejected if the lowest responsible bid received exceeds the Engineer's estimate by an unreasonable amount.

Kitsap County reserves the right to award the bid in a manner and on a basis, which will best serve the County, taking into consideration the Bidder Responsibility Statement included with the bids and the requirements of the WSDOT/APWA Standard Specifications and the Contract Provisions.

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

### **DESCRIPTION OF WORK**

This contract is a roadway improvement project which provides for the grind and overlay of approximately 1 mile of Silverdale Way NW from Bucklin Hill Road to Waaga Way (excluding the Myhre Road intersection) and approximately 1000 lineal feet of Bucklin Hill Road from Silverdale Way NW to Blaine Ave NW (excluding the Silverdale Way NW intersection). The contract also includes ADA improvements at intersections, storm main replacement, and other work, all in accordance with the Contract Documents. The engineer's estimate ranges from \$3,500,000 to \$4,500,000.



**OBTAINING PLANS AND CONTRACT PROVISIONS:**

Electronic copies of the Plans and Contract Provisions in PDF format are available on the internet through Kitsap County’s website, Department of Public Works, Road Projects Open for Bid, located at <http://kcowa.us/roadbid>.

Paper copies of the Contract Plans and Provisions for the proposed work may be obtained from the Kitsap County Department of Public Works at 507 Austin Avenue, 3rd floor Reception Desk, Port Orchard, Washington for a non-refundable fee of \$35.00 for each set plus \$5.00 to cover postage and handling if mailing is requested. To order these Contract Documents or to obtain a Bid Proposal Package at no cost, please call 360-337-5777 or email at [help@kitsap1.com](mailto:help@kitsap1.com). Plans and Contract Provisions will not be shipped until the fee is received.

To be added to the Plan Holder List, please complete the form available online at <https://www.kitsapgov.com/pw/Pages/planholders.aspx>. Any questions or issues, please call 360-337-5777 or email at [help@kitsap1.com](mailto:help@kitsap1.com).

**CONTACT PERSON**

Any prospective Bidder having questions or desire an explanation or interpretation of the Bid Documents are requested to contact Theresa Smith, Project Manager, at [tsmith@kitsap.gov](mailto:tsmith@kitsap.gov) by close of business 5 business days preceding the bid opening.

General questions about the project may be addressed by contacting Theresa Smith, Project Manager, at (360) 337-4556, or [tsmith@kitsap.gov](mailto:tsmith@kitsap.gov).

**KITSAP COUNTY BOARD OF COMMISSIONERS**

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# PROPOSAL

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3686

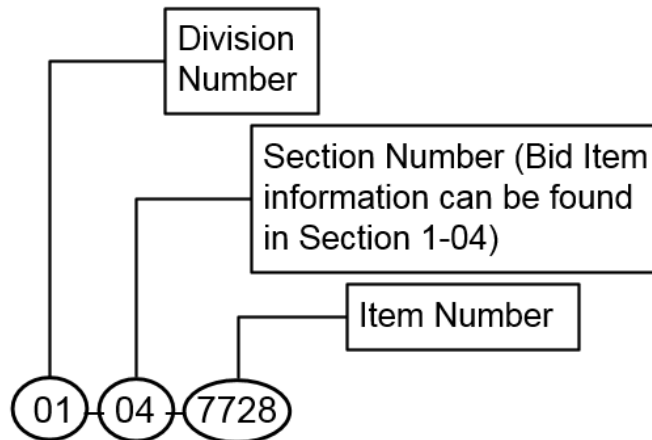
## SILVERDALE WAY PRESERVATION OVERLAY AND STORMWATER RETROFIT

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

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

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

**COST CODE (a guide to locate Bid Item information – the Contracting Agency does not warrant its accuracy): The Cost Code for each Bid Item consists of the WSDOT/APWA Standard Specifications division number, the section number and the item number, in that order. An example is shown below:**



**Kitsap County-specific Bid Items are noted with “KC” at the end. Project-specific Bid Items are noted with “SP”. Bid Items that have options (e.g. Plant Selection or Beam Guardrail Anchor Type X) are designated as such. Examples are shown below:**

<b>01-04-7728</b>	<b>WSDOT Standard Bid Item</b>
<b>01-07-0010KC</b>	<b>Kitsap County Standard Bid Item</b>
<b>05-05-SP01</b>	<b>Project-specific Bid Item</b>
<b>08-02-6550-AC</b>	<b>WSDOT Standard Bid Item with Option</b>
<b>08-11-6760-16</b>	<b>WSDOT Standard Bid Item with Option (e.g. specific pipe size)</b>

NO.	COST CODE	ITEM	QTY	UNIT	UNIT COST	AMOUNT
1	01-04-7728	MINOR CHANGE	40000	CALC	\$ 1.00	\$ 10,000.00
2	01-07-0010KC	PROTECTION & SUPPORT OF EXISTING UTILITIES	1	L.S.		
3	01-07-7725	REIMBURSEMENT FOR THIRD PARTY DAMAGE	5	EST.	\$ 1.00	\$ 5.00
4	01-07-7736	SPCC PLAN	1	L.S.		
5	01-07-SP01	APPRENTICESHIP INCENTIVE	2000	CALC	\$ 1.00	\$ 2,000.00
6	01-07-SP02	APPRENTICESHIP PENALTY	2	CALC	\$ 1.00	\$ 2.00
7	01-08-7003	TYPE B PROGRESS SCHEDULE	1	L.S.		
8	01-09-0001	MOBILIZATION	1	L.S.		
9	01-10-6913	PORTABLE TEMPORARY TRAFFIC CONTROL SIGNAL	1	L.S.		
10	01-10-6973	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	1	L.S.		
11	01-10-6974	TRAFFIC CONTROL SUPERVISOR	1	L.S.		
12	01-10-6980	FLAGGERS (MINIMUM \$50 PER HR)	4480	HR.		
13	01-10-6982	CONSTRUCTION SIGNS CLASS A	256	S.F.		
14	01-10-6993	PORTABLE CHANGEABLE MESSAGE SIGN	2688	HR		
15	02-01-7480	ROADSIDE CLEANUP	10000	EST.	\$ 1.00	\$ 10,000.00

16	02-02-0050KC	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	15000	L.S.		
17	02-02-0079KC	SAW CUT ASPHALT CONCRETE PAVEMENT	3950	L.F.		
18	02-02-0100KC	REMOVING CEMENT CONC. SIDEWALK	1770	S.Y.		
19	02-02-0108KC	REMOVING CEMENT CONC. CURB AND GUTTER	1330	L.F.		
20	02-02-0120KC	REMOVING ASPHALT CONC. PAVEMENT	2117	S.Y.		
21	02-03-0310	ROADWAY EXCAVATION INCL. HAUL	930	C.Y.		
22	02-07-7018	WATER	140	MGAL		
23	02-09-7008KC	SHORING OR EXTRA EXCAVATION CLASS B	1	L.S.		
24	04-04-5120	CRUSHED SURFACING TOP COURSE	682	TON		
25	05-04-0332	PAVEMENT REPAIR EXCAVATION INCL. HAUL	2260	S.Y.		
26	05-04-5707	CRACK SEALING - FA	20000	EST.	\$ 1.00	\$ 20,000.00
27	05-04-5711	PLANING BITUMINOUS PAVEMENT	37921	S.Y.		
28	05-04-5767KC	FIBER-REINFORCED HMA CL. 1/2 IN. PG 58H-22	6230	TON		
29	05-04-5837KC	ASPHALT COST PRICE ADJUSTMENT	3000	CALC	\$ 1.00	\$ 3,000.00
30	05-04-5878KC	HMA ROAD APPROACH	380	S.Y.		
31	06-21-SP03	REMOVE AND REINSTALL EXISTING HANDRAIL	10	L.F.		

32	07-04-3602	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.	678	L.F.		
33	07-04-3608	CORRUGATED POLYETHYLENE STORM SEWER PIPE 24 IN. DIAM.	754	L.F.		
34	07-05-3091KC	CATCH BASIN TYPE 1	2	EACH		
35	07-05-SP04	NEW FRAME AND GRATE, ADJUST TO GRADE	32	EACH		
36	07-05-SP05	NEW SANITARY MANHOLE LID, ADJUST TO GRADE	6	EACH		
37	07-05-SP06	INSTALL PROVIDED RING AND COVER, ADJUST TO GRADE	2	EACH		
38	07-05-SP07	REPAIR EXISTING STORM STRUCTURE	4	EACH		
39	07-08-7715KC	FORCE ACCOUNT POT-HOLE UTILITY CROSSING	5000	EST.	\$ 1.00	\$ 5,000.00
40	07-12-6243KC	ADJUST VALVE BOX	54	EACH		
41	08-01-6471	INLET PROTECTION	62	EACH		
42	08-01-6490KC	EROSION/WATER POLLUTION CONTROL	1	L.S.		
43	08-02-6406KC	TOPSOIL TYPE A	123	C.Y.		
44	08-02-6560	SEEDED LAWN INSTALLATION	406	S.Y.		
45	08-02-6580KC	BARK OR WOOD CHIP MULCH	328	S.Y.		
46	08-02-SP08	PROPERTY RESTORATION	50000	EST.	\$ 1.00	\$ 50,000.00

47	08-04-6700	CEMENT CONC. TRAFFIC CURB AND GUTTER	2344	L.F.		
48	08-04-6701	CEMENT CONC. TRAFFIC CURB	297	L.F.		
49	08-04-6727	EXTRUDED CURB	86	L.F.		
50	08-06-SP09	COMMERCIAL CONC. DRIVEWAY, 3-DAY MIX	369	S.Y.		
51	08-06-SP10	COMMERCIAL CONC. ROAD APPROACH, 3-DAY MIX	63	S.Y.		
52	08-07-6841	PRECAST DUAL FACED SLOPED MOUNTABLE CURB	326	L.F.		
53	08-13-7045KC	MONUMENT CASE AND COVER	4	EACH		
54	08-14-7055	CEMENT CONC. SIDEWALK	1173	S.Y.		
55	08-14-7058-PAA	CEMENT CONC. CURB RAMP TYPE PARALLEL A	17	EACH		
56	08-14-7058-PAB	CEMENT CONC. CURB RAMP TYPE PARALLEL B	6	EACH		
57	08-14-7058-PEA	CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A	4	EACH		
58	08-14-7058-SA	CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION A	3	EACH		
59	08-20-SP11	TRAFFIC SIGNAL SYSTEM MODIFICATIONS, SILVERDALE PLAZA, COMPLETE	1	L.S.		
60	08-20-SP12	TRAFFIC SIGNAL SYSTEM MODIFICATIONS, KITSAP MALL BLVD NW, COMPLETE	1	L.S.		



61	08-20-SP13	TRAFFIC SIGNAL SYSTEM MODIFICATIONS, KITSAP MALL ENTRANCE, COMPLETE	1	L.S.		
62	08-20-SP14	TRAFFIC SIGNAL SYSTEM MODIFICATIONS, NW RANDALL WAY, COMPLETE	1	L.S.		
63	08-21-6890	PERMANENT SIGNING	1	L.S.		
64	08-22-6806	PAINT LINE	18375	L.F.		
65	08-22-6807	PLASTIC LINE	60	L.F.		
66	08-22-6827	PAINTED WIDE LANE LINE	1119	L.F.		
67	08-22-6833	PLASTIC TRAFFIC ARROW	54	EACH		
68	08-22-6857	PLASTIC CROSSWALK LINE	981	S.F.		
69	08-22-6859	PLASTIC STOP LINE	467	L.F.		
70	08-27-7500KC	FIELD OFFICE BUILDING	1	L.S.		
<b>TOTAL CONTRACT COST</b>						<b>\$</b>

2. BIDDER SHALL INCLUDE SALES TAX IN THE LUMP SUM AND UNIT PRICE BID ITEMS in accordance with Section 1-07.2(1) of Special Provisions.
3. The undersigned Bidder hereby proposes and agrees to commence work under this Contract, if awarded to them, in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions. They further agree to complete the contract within **140 working days**.
4. The agreed liquidated damage to the Owner shall be in accordance with Liquidated Damages as described in the Standard Specifications, Amendments thereto, and Special Provisions.
5. The Owner reserves the right to delete all or any portions of the work as outlined in the Contract Documents.
6. The required bid security in the amount of five percent (5%) of the total bid is hereto attached.
7. It is understood that the Contractor is responsible for obtaining and completing all required government forms.
8. Receipt of the following Addenda to the Contract Document is hereby acknowledged.

ADDENDUM #	DATE OF RECEIPT OF ADDENDUM	SIGNED ACKNOWLEDGMENT
1		
2		
3		
4		
5		
6		

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

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

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

Proper Name of Bidder (Type or Print): \_\_\_\_\_

By (Signature): \_\_\_\_\_

Name and Title (Type or Print Name and Title of Signatory): \_\_\_\_\_

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

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

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

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

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

E-mail Address  
(to be used by the County  
to send award documents) \_\_\_\_\_

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**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, as Principal, and \_\_\_\_\_ as Surety, are hereby held and firmly bound unto Kitsap County Department of Public Works as Owner in the penal sum of \_\_\_\_\_ for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns. Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

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

NOW, THEREFORE,

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

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

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

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

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

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## BIDDER RESPONSIBILITY STATEMENT

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

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

Name of Bidder: \_\_\_\_\_

Business Address: \_\_\_\_\_

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

1. Washington State Contractors License Number: \_\_\_\_\_  
Effective Date: \_\_\_\_\_
  
2. State of Washington Unified Business Identifier (UBI) No.: \_\_\_\_\_  
\_\_\_\_\_
  
3. Do you have industrial insurance (workers' compensation) coverage for your employees working in Washington as required by Title 51 RCW?  
Yes:  No:  Not Applicable:
  
4. Washington State Employment Security Department number as required by Title 51 RCW.  
Number:  Not Applicable:
  
5. Washington State Department of Revenue state excise tax registration number as required by Title 82 RCW.  
Number:  Not Applicable:
  
6. Have you ever been disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3)?  
Yes:  No:
  
7. Have you received training on the requirements related to public works and prevailing wage?  
Yes:  No:  Exempt:

**B) SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA  
(SPECIAL PROVISIONS SECTION 1-02.14)**

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

Yes:  No:

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

Yes:  No:

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

Yes:  No:

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

Yes:  No:

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

Yes:  No:

6. Have you had any claims against retainage or payment bonds for public works projects in the last 3 years?

Yes:  No:

7. Has your company or its owners been convicted of a crime involving bidding on a public works contract in the last 5 years?

Yes:  No:

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

Yes:  No:

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

Yes:  No:





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Kitsap County Public Works  
An APWA Accredited Agency



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

## **CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES**

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date **January 21, 2025**, the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

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

\_\_\_\_\_  
Bidder’s Business Name

\_\_\_\_\_  
Signature of Authorized Official\*

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
City

\_\_\_\_\_  
State

*Check One:*

Sole Proprietorship  Partnership  Joint Venture  Corporation

State of Incorporation, or if not a corporation, State where business entity was formed:

\_\_\_\_\_

If a co-partnership, give firm name under which business is transacted:

\_\_\_\_\_

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

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

## **NON-COLLUSION DECLARATION FORM**

**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.

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# SUBCONTRACTOR LIST

Local Agency Name
Local Agency Address

## Local Agency Subcontractor List

*Prepared in compliance with RCW 39.30.060 as amended*

### To Be Submitted with the Bid Proposal

Project Name

**Failure to list subcontractors with whom the bidder, if awarded the contract, will directly subcontract for performance of the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical, as described in Chapter 19.28 RCW or naming more than one subcontractor to perform the same work will result in your bid being non-responsive and therefore void.**

Subcontractor(s) with whom the bidder will directly subcontract that are proposed to perform the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name.

**To the extent the Project includes one or more categories of work referenced in RCW 39.30.060, and no subcontractor is listed below to perform such work, the bidder certifies that the work will either (i) be performed by the bidder itself, or (ii) be performed by a lower tier subcontractor who will not contract directly with the bidder.**

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

\* Bidder's are notified that it is the opinion of the enforcement agency that PVC or metal conduit, junction boxes, etc, are considered electrical equipment and therefore considered part of electrical work, even if the installation is for future use and no wiring or electrical current is connected during the project.

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# PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT



APWA-WA Division 1 Committee

rev. 5/13/2022

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## Proposal for Incorporating Recycled Materials into the Project

In compliance with RCW 70A.205.700, 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: \_\_\_\_\_

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## **AGREEMENT**

This Agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2025 by and between Kitsap County, through the BOARD OF COUNTY COMMISSIONERS of Kitsap County, State of Washington, hereinafter referred to as the "COUNTY", and \_\_\_\_\_, a general Contractor licensed by the State of Washington, for themselves, their heirs, executors, administrators, successors, and assigns, hereinafter referred to as the "CONTRACTOR."

### **RECITALS:**

WHEREAS, the COUNTY desires provide pavement overlay and stormwater retrofit on Silverdale Way and on Bucklin Hill Road, in Commissioner District #3;

WHEREAS, the CONTRACTOR has been selected by competitive bid as the "responsible bidder with the lowest responsive bid," as defined under RCW 39.04.010;

NOW THEREFORE, in consideration of the mutual benefits and covenants contained herein, the COUNTY and the CONTRACTOR mutually agree as follows:

### **CONTRACT DOCUMENTS:**

This Agreement hereby incorporates the recitals and the Contract Documents, which documents are incorporated herein by reference. The Contract Documents shall include, but shall not be limited to, the Contract Provisions for "**SILVERDALE WAY PRESERVATION**", Call for Bids, Contractors accepted Bid Proposal, the General and Special Provisions, Contract Plans and Drawings, Addenda, applicable Bonds, and the 2025 WSDOT/APWA Standard Specifications for Road, Bridge, and Municipal Construction, hereinafter referred to as the "Standard Specifications", any amendments to the Standard Specifications, and this Agreement.

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

This contract is a roadway improvement project which provides for the grind and overlay of approximately 1 mile of Silverdale Way NW from Bucklin Hill Road to Waaga Way (excluding the Myhre Road intersection) and approximately 1000 lineal feet of Bucklin Hill Road from Silverdale Way NW to Blaine Ave NW (excluding the Silverdale Way NW intersection). The contract also includes ADA improvements at intersections, storm main replacement, and other work, all in accordance with the Contract Documents.

The CONTRACTOR shall furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the project described herein, in accordance with the Contract Documents.

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

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

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

The CONTRACTOR agrees to work promptly and to fully complete the work within the time limits as described in the Contract Documents. Failure to complete within the allowed time limit will subject the CONTRACTOR to Liquidated Damages, as described in Section 1-08.9, Liquidated Damages, of the Contract Documents.

**4) TIME FOR COMPLETION:**

The work to be performed under this Agreement shall commence and complete in accordance with Sections 1-08.4, Notice to Proceed and Prosecution of Work, and 1-08.5, Time for Completion, of the Contract Documents and Physically Completion of the work shall be achieved within **140 WORKING DAYS**, unless Contract Time is extended otherwise in accordance with the Contract Documents.

**5) COMPENSATION:**

The COUNTY agrees to pay the CONTRACTOR for the work described and completed according to the Contract Documents the sum of [spell out the amount in words and in numbers] , \$ \_\_\_\_\_ . This sum shall include state sales tax.

**6) INDEPENDENT CONTRACTOR:**

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

**7) DISCRIMINATION AND AMERICANS WITH DISABILITIES ACT (ADA):**

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

**8) LIABILITY FOR NEGLIGENCE:**

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

**9) TERMINATION:**

This Agreement may be terminated by the officials or agents of the COUNTY authorized to contract for or supervise the execution of such work in accordance with Section 1-08.10 of the Standard Specifications.

## **10) MODIFICATION**

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

## **11) HOLD HARMLESS:**

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

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

## **12) INSURANCE REQUIREMENTS:**

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

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

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

## **14) INTEGRATION CLAUSE:**

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

**15) AUTHORIZATION:**

Each party signing below warrants to the other party, that they have the full power and authority to execute this Agreement on behalf of the party for whom they sign.

**16) COMPLIANCE WITH LAWS:**

The CONTRACTOR shall comply with all applicable federal, state and local laws, rules and regulations in performing this Agreement.

**17) SEVERABILITY:**

a. If a court of competent jurisdiction holds any part, term or provision of this Agreement to be illegal, or invalid in whole or in part, the validity of the remaining provisions shall not be affected, and the parties rights and obligations shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

b. If it should appear that any provision of this Agreement is in conflict with any statutory provision of the United States or State of Washington, said provision which may conflict therewith shall be deemed inoperative and null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provision.

**18) CONFLICTS PROVISION:**

In the event language in this Contract conflicts with the requirements in the Standard Specifications, the language in the Contract controls.

**19) RIGHTS and REMEDIES:**

No action or failure to act by the COUNTY shall constitute a waiver of a right or duty afforded the COUNTY under the Contract Documents, nor shall such action or failure to act constitute approval of an acquiescence in a breach therein, except as may be specifically agreed in writing.

**20) THIRD-PARTY AGREEMENTS:**

The Contract Documents shall not be construed to create a contractual relationship of any kind between the COUNTY and any Subcontractor or any persons other than the COUNTY and the CONTRACTOR.

**21) RECORDS RETENTION:**

The wage, payroll, bid and cost records of the CONTRACTOR and its Subcontractors, and all records subject to audit in accordance with the Standard Specifications shall be retained for a period of not less than six (6) years after the date of Final Acceptance of the Contract Documents.

**22) CONTRACT BOND:**

Payment and performance bonds for this project have been issued by \_\_\_\_\_, Surety Company of \_\_\_\_\_  
Street address: \_\_\_\_\_ City: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Contact Person: \_\_\_\_\_  
in the amount of \_\_\_\_\_.

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

**CONTRACTOR**

**BOARD OF COUNTY COMMISSIONERS  
KITSAP COUNTY, WASHINGTON**

\_\_\_\_\_  
BY \_\_\_\_\_

\_\_\_\_\_  
**CHRISTINE ROLFES**, Chair

TITLE \_\_\_\_\_

\_\_\_\_\_  
**ORAN ROOT**, Commissioner

\_\_\_\_\_  
**KATHERINE T. WALTERS**, Commissioner

Foregoing contract approved and ratified:

\_\_\_\_\_  
ATTEST

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

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# PUBLIC WORKS PAYMENT BOND

to \_\_\_\_\_, WA

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

\_\_\_\_\_, Washington, (\_\_\_\_\_) has awarded to \_\_\_\_\_ (Principal), a Contract for the construction of the project designated as \_\_\_\_\_, Project No. \_\_\_\_\_, in \_\_\_\_\_, Washington (Contract), and said Principal is required under the terms of that Contract to furnish a payment bond in accord with Title 39.08 Revised Code of Washington (RCW) and (where applicable) 60.28 RCW.

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

This statutory payment bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall pay all persons in accordance with RCW Titles 60.28, 39.08, and 39.12 including all workers, laborers, mechanics, subcontractors, lower tier subcontractors, and material suppliers, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and all taxes incurred on said Contract under Title 50 and 51 RCW and all taxes imposed on the Principal under Title 82 RCW; and if such payment obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety agrees to indemnify, defend, and protect the \_\_\_\_\_ against any claim of direct or indirect loss resulting from the failure of the Principal, its heirs, executors, administrators, successors, or assigns, (or the subcontractors or lower tier subcontractors of the Principal) to pay all laborers, mechanics, subcontractors, lower tier subcontractors material persons, and all persons who shall supply such contractor or subcontractors with provisions and supplies for the carrying on of 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, except as provided herein, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

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

The Surety agrees to be bound by the laws of the state of Washington and subjected to the jurisdiction of the state of Washington.

## PRINCIPAL

## SURETY

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

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

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

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

Title \_\_\_\_\_

Title \_\_\_\_\_

Local office/agent of Surety Company:

Name \_\_\_\_\_

Telephone \_\_\_\_\_

Address \_\_\_\_\_



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# PUBLIC WORKS PERFORMANCE BOND

to \_\_\_\_\_, WA

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

\_\_\_\_\_, Washington, (\_\_\_\_\_) has awarded to \_\_\_\_\_ (Principal), a Contract for the construction of the project designated as \_\_\_\_\_, Project No. \_\_\_\_\_, in \_\_\_\_\_, Washington (Contract), and said Principal is required under the terms of that Contract to furnish a bond for performance of all obligations under the Contract.

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

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

The Surety agrees to indemnify, defend, and protect the \_\_\_\_\_ against any claim of direct or indirect loss resulting from the failure of the Principal, its heirs, executors, administrators, successors, or assigns (or any of the employees, subcontractors, or lower tier subcontractors of the Principal) to faithfully perform the Contract.

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

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

The Surety agrees to be bound by the laws of the state of Washington and subjected to the jurisdiction of the state of Washington.

## PRINCIPAL

## SURETY

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

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

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

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

Title \_\_\_\_\_

Title \_\_\_\_\_

Local office/agent of Surety Company:

Name \_\_\_\_\_

Telephone \_\_\_\_\_

Address \_\_\_\_\_



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# SPECIAL PROVISIONS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3686

## SILVERDALE WAY PRESERVATION OVERLAY AND STORMWATER RETROFIT

The Professional Engineer's seal and signature affixed hereon indicates this Engineer's review and participation in the preparation of the Special Provisions.



1/15/2025

Kristina B. Nelson  
Senior Program Manager - Engineering  
Division 1

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## 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)*  
*(May 1, 2013 KC GSP) Agency Special Provision*

*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
- Kitsap County Road Standards, current edition

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

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## DIVISION 1 GENERAL REQUIREMENTS

### Description of Work

*(March 13, 1995 WSDOT GSP)*

This Contract provides for the improvement of \*\*\* approximately 1 mile of Silverdale Way NW (excluding the Myhre Road intersection) and approximately 1000 lineal feet of Bucklin Hill Road from Silverdale Way NW to Blaine Ave NW (excluding the Silverdale Way NW intersection), consisting of grind and overlay, ADA improvements at intersections, storm main replacement,\*\*\* and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

### 1-01 DEFINITIONS AND TERMS

#### 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.

**1-02 BID PROCEDURES AND CONDITIONS****1-02.1 Prequalification of Bidders**

Delete this section and replace it with the following:

**1-02.1 Qualifications of Bidder**

*(January 24, 2011 APWA GSP)*

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

Add the following new section:

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

*(July 31, 2017 APWA GSP)*

In addition, the Contracting Agency has established Contracting Agency-specific and/or project-specific supplemental criteria, in accordance with RCW 39.04.350(3), for determining Bidder responsibility, including the basis for evaluation and the deadline for appealing a determination that a Bidder is

not responsible. These criteria are contained in Section 1-02.14 Option C of these Special Provisions.

**1-02.2 Plans and Specifications**  
(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

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

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

**1-02.4 Examination of Plans, Specifications and Site of Work**

**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**  
(July 31, 2017 APWA GSP)

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and

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

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

**1-02.6 Preparation of Proposal**  
*(November 25, 2024 APWA GSP, 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.

**1-02.7 Bid Deposit**

*(March 8, 2013 APWA GSP)*

Supplement this section with the following:

Bid bonds shall contain the following:

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

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

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

**1-02.9 Delivery of Proposal**

Delete this section and replace it with the following:

**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.

Supplemental bid information submitted after the proposal submittal but within 48 hours of the time and date the proposal is due, the document(s) shall be submitted as follows:

1. By facsimile to the following FAX number: (360) 337-4867 or
2. By e-mail to the following e-mail address: [tsmith@kitsap.gov](mailto:tsmith@kitsap.gov)

All other information required to be submitted with the Bid Proposal must be submitted with the Bid Proposal itself, at the time stated in the Call for Bids.

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 Confirmation 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.

**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.

**1-02.13 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.



- l. The Proposal does not include a unit price for every Bid item;
- m. 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;
- n. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
- o. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
- p. Receipt of Addenda is not acknowledged;
- q. 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
- r. If Proposal form entries are not made in ink.

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

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental Criteria 1-8 in this Section:

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets Supplemental Criteria 3-8 shall be provided by the Bidder as stated later in this Section.

**1. Delinquent State Taxes**

- A. Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder does not owe delinquent taxes to the Washington State Department of Revenue, or if delinquent taxes are owed to the Washington State Department of Revenue, the Bidder must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

**2. Federal Debarment**

- A. Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.

B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the U.S. government’s “System for Award Management” database (www.sam.gov).

3. **Subcontractor Responsibility**

A. Criterion: The Bidder’s standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder’s subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also “responsible” subcontractors as defined by RCW 39.06.020.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Claims Against Retainage and Bonds**

A. Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:

- Name of project
- The owner and contact information for the owner;
- A list of claims filed against the retainage and/or payment bond for any of the projects listed;
- A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

5. **Public Bidding Crime**

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

6. **Termination for Cause / Termination for Default**

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

7. **Lawsuits**

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

## 8. Contracting Agency Specific Criteria

A. Criterion: Bidders shall supply the following information:

1. Dollar amount of contracts currently held by the bidder,
2. List of more important construction projects completed by your company in the last 5 years,
3. Bank references, and
4. Bonding company.

B. Documentation: The required information shall be included in Section C of the Bidder Responsibility Statement.

As evidence that the Bidder meets the Supplemental Responsibility Criteria stated above, the apparent low Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets the Supplemental Criteria together with supporting documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with the Supplemental Responsibility Criteria. The Contracting Agency reserves the right to request further documentation as needed from the low bidder and documentation from other Bidders as well to assess Bidder responsibility and compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right to obtain information from third parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may consider mitigating factors in determining whether the Bidder complies with the requirements of the Supplemental Criteria.

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

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any

additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

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

### **1-02.15 Pre Award Information** (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**  
(July 8, 2024 APWA GSP Option A)

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 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.

#### **1-04.4 Minor Changes**

*(January 19, 2022 APWA GSP)*

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

#### **1-05.3 Working Drawings**

Section 1-05.3 is supplemented with the following:

*(November 29, 2022 KC GSP)*

##### **1-05.3(1) Submittals**

The Contractor shall not install materials or equipment, which requires submittals, until reviewed by the Contracting Agency. Late submissions by the Contractor shall not be cause for time extension.

Submittals shall be made per Submittal Number and Revision assigned by the Contracting Agency's project management software, rather than per material. The Contractor shall be responsible for ensuring that each submittal includes cut sheets and/or other information for all pertinent materials necessary to complete the work for each Submittal Number. It is understood that producing submittals for each Submittal Number may require multiple submittals of common materials that are associated with more than one Submittal Number. The Contractor shall also be responsible for producing submittals that may only be associated with a Specification Section, not a particular Submittal Number.

The Contractor shall submit electronic copies of each submittal required by the Contract Documents through the Contracting Agency's project management software, (see Special Provisions Section 1-05.17), unless otherwise required elsewhere in the Contract Provisions. This includes, but is not limited to:

- Working Drawings
- Product Data
- Samples
- Reports
- Material Submittals (Ref. 1-06)
- Progress Schedules (Ref. 1-08.3)

Physical samples shall be delivered with a hardcopy of the transmittal submitted through the Contracting Agency's project management software.

The Engineer will return reviewed submittals through the Contracting Agency's project management software for the Contractor's use.

### **1-05.3(2) Submittal Schedule**

In conformance with section 1-08.3, the progress schedule shall be submitted and reviewed prior to commencing any work. No delay claim shall be entertained for Contractor's failure to comply.

No claim will be allowed for damages or extension of time resulting from rejection of a submittal or the requirement of resubmittals as outlined by this section.

The Engineer's review will be completed as quickly as possible but may require up to ten (10) working days from the date the submittals or resubmittals are received until they are sent to the Contractor. If more than ten (10) working days are required for the Engineer's review of any individual submittal or resubmittal, an extension of time will be considered in accordance with Section 1-08.8.

### **1-05.3(3) Submittal Procedures**

Contractor submittals shall be in accordance with the following:

The Contractor shall thoroughly review each submittal for dimensions, quantities, and details of the material or item shown. The Contractor shall review each submittal and note any errors, omissions, or deviations with the Contract Documents. The Contractor shall accept full responsibility for the completeness of each submittal.

Each submittal shall have a unique number assigned to it (via the Contracting Agency's project management software). On each page, indicate the page number, and total number of pages in each submittal.

Each submittal shall indicate the following:

1. The intended use of the item in the work;
2. Clearly indicate only applicable items on any catalog cut sheets;
3. The current revision, issue number, and data shall be indicated on all drawings and other descriptive data.
4. Description of Submittal.
5. Related Specification Section and/or plan sheet.
6. Each material submittal shall clearly indicate the name and address of all suppliers, processors, distributors, and/or producers from which the Contractor directly purchased each material.

When submitting product data, the Contractor shall modify drawings to delete any information not applicable to the project and add information that is applicable to the project. The Contractor shall mark copies of printed material to clearly identify the pertinent materials, products or models.

Samples submitted shall be of sufficient size and quantity to clearly illustrate functional characteristics of product or material and full range of colors available. Field samples and mock-ups, where required, shall be erected at the project site where directed by the Engineer.

The Contractor shall notify the Engineer, in writing at time of submission, of deviations in submittals from requirements of the contract documents.

The Contracting Agency shall not be responsible for delays in reviewing submittals not submitted in accordance with these specifications.

Review or approval of Working Drawings shall neither confer upon the Contracting Agency nor relieve the Contractor of any responsibility for the accuracy of the drawings or their conformity with the Contract. The Contractor shall bear all risk and all costs of any Work delays caused by rejection or non-approval of Working Drawings.

#### **1-05.3(4) Engineer's Review of Submittals**

The Engineer's review of drawings and data submitted by the Contractor will cover only general conformity with the Contract drawings and specifications. The Engineer's review of submittals shall not relieve the Contractor from responsibility for errors, omissions, deviations, or responsibility for compliance with the Contract documents.

Review of a separate item does not constitute review of an assembly in which the item functions.

When the submittal or resubmittal is marked "APPROVED", "APPROVED AS NOTED", "REVIEWED & FILED" AND "CONDITIONALLY APPROVED" no resubmittal is required. When the submittal is marked "REVIEWED WITH COMMENTS" the Contractor shall comply with any comments on the return submittal.

#### **1-05.3(5) Resubmittals**

When a submittal is marked "REVISE AND RESUBMIT" or "REJECTED," the Contractor shall make the corrections as noted and instructed by the Engineer and resubmit via the Contracting Agency's project management software. The Contractor shall not install material or equipment that has received a review status of "REVISE AND RESUBMIT" or "REJECTED".

When corrected copies are resubmitted, the Contractor shall in writing direct specific attention to all revisions and shall list separately any revision made other than those called for by the Engineer on previous submittals. The Contracting Agency's project management software will assign the resubmittal number of the original submittal followed by a revision number (1, 2, etc.) to indicate the sequence of the resubmittal.

Each submittal shall have a unique number assigned to it (via the Contracting Agency's project management software).

The Contractor shall revise returned submittals as required and resubmit until final review is obtained. Any associated progress delay due to the Contractor's need to revise and resubmit is the Contractor's sole responsibility.

The Contractor shall verify that all exceptions previously noted by the Engineer have been accounted for.

### **1-05.3(6) Clarifications**

Clarifications of the Contract intent shall be submitted via a Request for Information (RFI) using the Contracting Agency's project management software as described in Section 1-05.17 of the Special Provisions. The Contractor shall provide a clear and concise clarification question, specific project document reference such as plan detail number or specification number, proposed solution to the clarification question, and provide any supporting documentation necessary to understand the clarification question.

Request for Information responses provided by the Contracting Agency shall be incorporated into the Record Drawings, if resulting in a change to the Contract Plans.

Request for Information responses provided by the Contracting Agency shall not be construed to be a change to the Contract Documents.

### **1-05.4 Conformity With and Deviations from Plans and Stakes**

Delete the fourth through seventh paragraph of this section and add the following new subsection:

*(November 25, 2024 APWA GSP, Option C)*

#### **1-05.4(1) Contracting Agency Provided Construction Staking**

##### **1-05.4(1)A General**

As used in this Section 1-05.4, the words, "stake," "mark," "marker," or "monument" will be deemed to include any kind of survey marking, whether or not set by the Contracting Agency.

**1-05.4(1)B Control Stakes**

The Engineer will supply construction stakes and marks establishing lines, slopes and grades in accordance with this Section of these Special Provisions. The Contractor shall assume full responsibility for detailed dimensions, elevations, and excavation slopes measured from these Engineer furnished stakes and marks.

A claim by the Contractor for extra compensation by reason of alterations or reconstruction work allegedly due to error in the Engineer's line and grade will not be allowed unless the original control points set by the Engineer still exist, or unless the Contractor can provide other satisfactory substantiating evidence to prove the error was caused by incorrect Engineer furnished survey data. Three consecutive points set on line or grade shall be the minimum points used to determine any variation from a straight line or grade. Any such variation shall, upon discovery, be reported to the Engineer.

The Contractor shall provide a work site clear of equipment, stockpiles and obstructions which has been prepared and maintained to permit construction staking to proceed in a safe and orderly manner. The Engineer will stake a finite amount of work in a single day in accordance with Section 1-05.4(1)C of these Special Provisions.

Stakes that constitute reference points for all construction work will be conspicuously marked with an appropriate color of flagging tape. It will be the responsibility of the Contractor to inform its employees and subcontractors of the importance and necessity to preserve the stakes.

**1-05.4(1)C Survey Requests**

It shall be the Contractor's responsibility to properly schedule survey work and coordinate staking requests with construction activities. The Engineer may be reasonably expected to stake any one of the following items, in the quantity shown, in a single day:

Roadway grading	+/-1500 lineal feet of centerline
Storm or sanitary sewer	Approximately 8-10 structures
Water main	+/-1500 lineal feet of pipe
Curb and gutter	+/-1300 lineal feet (one side only)
Base and top course	+/-1000 lineal feet of centerline
Slope staking	+/-800-1200 lineal feet (top and toe)
Illumination/signalization	Approximately 15-20 structures

Actual quantities may vary based on the complexity of the project, line of sight considerations, traffic interference, properly prepared work site, and other items that could affect production.

The Contractor shall be aware that length does not always translate directly into stationing. For example, a survey request for storm sewer pipe from Station 3+00 to 8+00 is 500 lineal feet in length. There may be 1000 lineal feet, or more, of storm sewer pipe, if the pipe is placed on both sides of the roadway and interconnected.

The Contractor shall provide staking requests at least three (3) working days before the Engineer needs to begin the staking operation. If the work site is obstructed so that survey work cannot be done, a new survey request shall be submitted by the Contractor so that the survey work can be rescheduled once the site is properly prepared. An additional 3 working days may be required to complete the rescheduled work.

The Contractor shall work to preserve stakes and marks set by the Engineer. The Contracting Agency will deduct from payments due the Contractor all costs to replace such stakes, marks damaged or destroyed by the Contractor's operation. A new survey request shall be submitted by the Contractor to replace the damaged or destroyed stakes. An additional 3 working days may be required to complete the request.

If the removal of a control stake or monument is required by the construction operations of the Contractor or its subcontractors, and advance notice of at least three (3) working days is given to the Engineer, the Engineer will reference, remove, and later replace the stakes at no cost to the Contractor.

The Contractor is not entitled to an extension of time, as provided for in Section 1-08.8 as a result of any replacement of control stakes.

#### **1-05.4(1)D Staking Services**

The Contractor shall determine appropriate construction stake offset distances and direction to prevent damage to stakes by its construction equipment.

The Engineer shall furnish to the Contractor, one time only, all principal lines, grades and measurements the Engineer deems necessary for completion of the work. These shall generally consist of one initial set of:

1. Cut or fill stakes for establishing grade and embankments,
2. Curb or gutter grade stakes,
3. Centerline finish grade stakes for pavement sections wider than 25 feet as set forth in Section 1-05.5(5), subsection 2, and

4. Offset points to establish line and grade for underground utilities such as water, sewers, storm drains, illumination and signalization.

No intermediate stakes shall be provided between curb grade and centerline stakes.

The Contractor shall provide enough safe areas to permit the Engineer to set those points and elevations that are the responsibility of the Contracting Agency and to perform random checks of the surveying performed by the Contractor.

### **Roadway and Utility Surveys**

The Engineer will furnish the following stakes and reference marks:

- Clearing Limits - One set of clearing limit stakes will be set at approximately 50-foot stations or as needed.
- Rough Grading - One set of rough grade stakes will be set along the construction centerline of streets at 50-foot stations as required. (If superelevations require intermediate stakes along vertical curves, the Engineer will provide staking at closer intervals.) One set of primary cut and fill stakes will be set for site work. One set of secondary final grade cut and fill stakes will be set where deemed applicable as determined by the Engineer.
- Storm Sewers - Two cut or fill stakes for each inlet, catch basin or manhole will be set at offsets to the center of the structure.
- Sanitary Sewers - Two cut or fill stakes for each manhole or cleanout location will be set at appropriate offsets to the center of the structure.
- Water Main - One set of line stakes will be furnished for water mains at 50-foot stations. Additionally, two reference stakes for each valve, hydrant, tee and angle point location will be set concurrently with these line stakes.
- Staking for Embankments - Catch points and one-line stake will be set in those cases where the vertical difference in elevation from the construction centerline to the toe or top of a cut or fill slope exceeds 3 feet. In all other areas, stakes shall be set at an appropriate offset to the street centerline to allow for the preservation of said offsets through the rough grading phase. In both cases the stakes shall be clearly marked with appropriate information necessary to complete the rough grading phase.
- Curb and Gutters - One set of curb and gutter stakes shall be set at an offset on 25-foot intervals, beginning and end points of curves and curb returns, wheelchair ramps, driveways, and sufficient mid-curve points to establish proper alignment.
- Base and Top Course - One set of final construction centerline grade hubs will be set for each course, at not less than 50-foot stations. No intermediate stakes shall be provided unless superelevations require them. In those circumstances, one grade hub left and right of construction

centerline at the transition stations will be set at an offset to centerline at not less than 25-foot stations.

- Adjacent or Adjoining Wetlands - One set of stakes delineating adjacent wetland perimeters will be set at 25 to 50-foot stations as required.
- Illumination and Traffic Signals System - One set of stakes for luminaires and traffic signal pole foundations will be set as required. One set of stakes for vaults, junction boxes, and conduits will be set, only if curb and gutter is not in place at the time of the survey request. If curb and gutter is in place, staking for vaults, junction boxes, and conduits will be provided at an additional expense to the Contractor.

When deemed appropriate by the Engineer, cut sheets will be supplied for curb, storm, sanitary sewer and water lines. Cuts or fills may be marked on the surveyed points but should not be relied on as accurate until a completed cut sheet is supplied.

The Contractor is responsible for staking all other items not specifically listed and deemed necessary to construct the project per the Plans and Specifications. All costs associated with Contractor staking shall be incidental to the Work and be included in the Contract unit prices.

### **Structure Survey**

The Engineer is responsible for setting all alignment stakes, slope stakes, and grades necessary for the construction of bridges, noise walls, and retaining walls. The Contractor shall maintain stakes set for construction and maintain the necessary lines and grades.

The survey work by the Engineer will include the following:

- Establish, by placing hubs and/or marked stakes, the location with offsets of foundation shafts and piles.
- Establish offsets to footing centerline of bearing for structure excavation.
- Establish offsets to footing centerline of bearing for footing forms.
- Establish wing wall, retaining wall, and noise wall horizontal alignment.
- Establish retaining wall top of wall profile grade.
- Establish elevation benchmarks for all substructure formwork.
- Check elevations at top of footing concrete line inside footing formwork immediately prior to concrete placement.
- Check column location and pier centerline of bearing at top of footing immediately prior to concrete placement.
- Establish location and plumbness of column forms and monitor column plumbness during concrete placement.
- Establish pier cap and crossbeam top and bottom elevations and centerline of bearing.
- Check pier cap and crossbeam top and bottom elevations and centerline of bearing prior to and during concrete placement.



- Establish grout pad locations and elevations.
- Establish structure bearing locations and elevations, including locations of anchor bolt assemblies.
- Establish box girder bottom slab grades and locations.
- Establish girder and/or web wall profiles and locations.
- Establish diaphragm locations and centerline of bearing.
- Establish roadway slab alignment, grades and provide dimensions from top of girder to top of roadway slab. Set elevations for deck paving machine rails.
- Establish traffic barrier and curb profile.
- Profile all girders prior to the placement of any deadload or construction live load that may affect the girder's profile.

#### **1-05.4(1)E Monuments**

The Contractor shall work to preserve the existing monumentation as provided in RCW 58.09.130 and WAC 332-120. The Contractor shall notify the Engineer immediately if it becomes apparent that a survey marker will be disturbed due to construction. The Contractor shall allow 5 working days for the Engineer to acquire information so that a reference monument may be set. The Engineer will notify the Contractor if or when the monument will be reset to its original position after construction. All costs associated with the replacement of monuments damaged or destroyed prior to being referenced shall be deducted from monies due to the Contractor.

#### **Payment**

Depending on the Contractor's means and methods of construction additional Construction staking beyond that described above may be required by the Contractor. Should additional staking be required by the Contractor and all cost for providing additional construction staking shall be included in bid items provided within the proposal.

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

*(October 1, 2005 APWA GSP)*

Supplement this section with the following:

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

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

Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

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

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

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

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

Delete this section and replace it with the following:

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

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

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

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

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and

without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

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

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

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

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

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

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

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

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

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

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

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

**1-05.13 Superintendents, Labor and Equipment of Contractor**  
*(August 14, 2013 APWA GSP)*

Delete the sixth and seventh paragraphs of this section.

**1-05.15 Method of Serving Notices**  
*(January 4, 2024 APWA GSP)*

Revise the second paragraph to read:

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

Add the following new section:

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

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

Add the following new section:

*(November 29, 2022 KC GSP)*

**1-05.17 Project Management Communications – Provided at no cost to Contractor**

**1-05.17(1) Summary**

The Contractor shall use the communications tool and protocols included in the Contracting Agency's project management software during this project. The use of project management communications as herein described does not replace or change any contractual responsibilities of the participants.

A valid email address, electronic and computer equipment, and internet connections are the responsibility of each project participant. The Contracting Agency will set up the user account.

Nothing in this specification or the subsequent communications supersedes the parties' obligations and rights for copyright or document ownership as established by the Contract Documents. The use of CAD files, processes or design information distributed in this system is intended only for the project specified herein.

**1-05.17(2) Training & Support**

The Contracting Agency will host an information and training session for Contractor staff in use of the Contracting Agency's project management software at a time to be schedule after contract award. Companies may also use online videos, support articles, online chat and phone support provided by the Contracting Agency's project management software at no cost.

**1-05.17(3) Project Archive**

The archive will be available to the Contractor at no cost. The archive set will contain only documents that the Contractor has access to during construction. All legal rights in any discovery process are retained. Archive material shall be ordered through the Contracting Agency.

### **1-05.17(4) Authorized Users**

Access to the Contracting Agency's project management software will be by individuals who have been authorized to use it by the Engineer.

1. The Contracting Agency will provide the Contractor with at least five (5) access accounts for the duration of the project. The sharing of user accounts is prohibited.
2. Contractor shall provide Engineer with list of Authorized users including valid email addresses following award of the Contract and scheduling of Contracting Agency provided training.
3. Authorized users will be contacted via e-mail with log-in information.
4. Individuals shall be responsible for the proper use of their passwords and access to data as agents of the Contractor.
5. Only entities with a direct Contract with the Contracting Agency will be allowed to have read/write access (Authorized user) to the software. Read access may be provided to others, if beneficial to the project, including subcontractors and utility providers.

### **1-05.17(5) Communications**

The use of fax, email and courier communication for this project is discouraged in favor of using the Contracting Agency's project management software to send messages. Communication functions are as follows:

1. Document Integrity and Revisions:
  - a. Documents, comments, drawings, and other data posted to the system remain a permanent component of the project. The originator, time and date are recorded for each document submitted to the system. Submitting a new document or record with a unique ID, originator, and time stamp is the method used to make modifications or corrections.
  - b. The system identifies revised or superseded documents and their predecessors.
  - c. Server or Client-side software enhancements during the life of the project will not alter or restrict the content of data published by the system. System upgrades will not affect access to older documents or software.
2. Document Security: The system provides a method for communication of documents. Documents allow security group assignment to respect the contractual parties' communication with the exception that the Contracting Agency Administrative Users have access to everything. **DO NOT POST PRIVATE OR CONFIDENTIAL ITEMS IN THE DATABASE.**

3. Document Integration: Documents of various types are able to be logically related to one another. For example, requests for information (RFIs), inspector's daily field reports (IDRs), supplemental sketches and photographs can be referenced as related records.
4. Reporting: The system is capable of generating reports for work in progress, and logs for each document type. Summary reports generated by the system are available for project members and are subject to each user's security settings.
5. Notifications and Distribution: Document distribution to project members may be accomplished both within the Contracting Agency's project management software and via email depending on user settings. Project document distribution to parties outside of the project communication system may be accomplished by secure email of outgoing documents and attachments, readable by a standard email client.
6. Except for paper documents which require original signatures and large format documents (greater than 11 x 17 inches), all other documents shall be submitted by transmission in electronic form into the Contracting Agency's project management software by Authorized users.
  1. Large format documents may be transmitted by hardcopy and electronically via the Contracting Agency's project management software as otherwise agreed, or as otherwise noted in the specifications.
  2. Document Types that shall be transmitted via the Contracting Agency's project management software include, but are not limited to:
    - i. Request for Information (RFI)
    - ii. Change Order (CO)
    - iii. Submittals
    - iv. Transmittals, including record of documents and materials delivered in hard copy
    - v. Meeting Minutes/Notes
    - vi. Application for Payments
    - vii. Review Comments
    - viii. Inspector's Daily Field Reports (IDR)
    - ix. Construction Photographs
    - x. Drawings
    - xi. Supplemental Sketches
    - xii. Schedules
    - xiii. Specifications

### **1-05.17(6) Record Keeping**

1. The Contracting Agency and their representatives and the Contractor shall respond to electronic documents received from the Contracting Agency's project management software and consider them as if received in paper document form.
2. The Contracting Agency and their representatives and the Contractor reserve the right to reply or respond through the Contracting Agency's project management software to documents actually received in paper document form.
3. The following are examples of paper documents which will require an original signature:
  - a. Contract
  - b. Change Orders
  - c. Application & Certificates for Payment
  - d. Force Account and Protested Force Account forms
  - e. Correspondence by the Contractor constituting notification per Section 1-05.15 of the Special Provisions.

### **1-05.17(7) Minimum Equipment Requirements**

In addition to other requirements specified in this Section, the Contractor shall be responsible for providing suitable tools and internet access to utilize the Contracting Agency's project management software. Contact the Contracting Agency for equipment requirements and support.

No separate payment will be made for the use of the Contracting Agency's project management software, as this will be considered incidental to the Contract. All costs incurred to carry out the requirements of utilizing and maintaining the Contracting Agency's project management software, including but not limited to, labor, training, equipment, and required tools are the sole responsibility of the Contractor.

## **1-06 CONTROL OF MATERIAL**

### **1-06.1 Approval of Materials Prior to Use**

#### **1-06.1(4) Fabrication Inspection Expense**

*(June 27, 2011 APWA GSP)*

Delete this section in its entirety.



**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**  
(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 Taxes**

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

### **1-07.2 State Sales Tax** *(June 27, 2011 APWA GSP)*

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

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

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

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

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

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

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

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

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

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

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

### **1-07.7 Load Limits**

Section 1-07.7 is supplemented with the following:

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

## 1-07.9 Wages

### 1-07.9(3) Apprentices

(July 8, 2024 APWA GSP)

Supplement this section 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) within 30 calendar days of 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.

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.

### **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.

### **Payment**

Payment will be made for the following Bid Items:

“Apprenticeship Incentive”, by calculation

An incentive of **\$2,000** will be assessed with the Final Payment for Contractors who meet the Apprentice Utilization Requirement without a reduction by Good Faith Effort. 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.

“Apprenticeship Penalty”, by calculation.

Apprenticeship Hours 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. 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.

When the Contractor fails to meet the Apprenticeship goal 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.

Apprenticeship Utilization Penalty will be calculated as described below:

Percent of goal met	Penalty per hour of unmet goal
100%	\$0.00
90% to 99%	\$2.00
75% to 89%	\$3.50
50% to 74%	\$5.00
1% to 49%	\$7.50
0%	\$10.00

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.

**1-07.9(5) Required Documents**

**1-07.9(5)A General**  
*(July 8, 2024 APWA GSP)*

This section is revised to read as follows:

All Statements of Intent to Pay Prevailing Wages, Affidavits of Wages Paid and Certified Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be submitted to the Engineer and to the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system. When apprenticeship is a requirement of the contract, include in PWIA all apprentices.

**1-07.11 Requirements for Nondiscrimination**

**1-07.11(2) Contractual Requirements**  
*(November 25, 2024 APWA GSP)*

Delete item 11 of the first paragraph of Section 1-07.11(2).



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

Section 1-07.17 is supplemented with the following:

*(April 2, 2007 WSDOT GSP, Option 1)*

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:

**\*\*\***

**Astound  
4519 SE Mile Hill Drive  
Port Orchard, WA 98366  
Contact: Shawn Murphy  
Telephone: (360) 204-2530**

**Cascade Natural Gas  
P.O. Box 539  
Bremerton, WA 98337  
Contact: Kendall Youngblood  
Telephone: (360) 405-4230**

**Comcast  
1225 Sylvan Way  
Bremerton, WA 98310  
Contact: Matthew Orosz  
Telephone: (360) 340-4989**

**KPUD  
PO Box 1989  
Poulsbo, WA 98370  
Contact: Jim LeCompte  
Telephone: (360) 710-5771**

**Lumen  
611 – 6<sup>th</sup> Street  
Bremerton, WA 98337  
Contact: Christopher Jensen  
Telephone: (360) 535-0095**

**Puget Sound Energy**  
**6522 Kitsap Way**  
**Bremerton, WA 98312**  
**Contact: Errol Burgos**  
**Telephone: (425) 324-5341**  
\*\*\*

Section 1-07.17 is supplemented with the following new subsection:

*(November 29, 2022 KC GSP)*

**1-07.17(3) Protection and Support of Existing Utilities:**

**Description**

The Contractor shall provide support and protection of all existing utility facilities crossing the work area during construction. All utilities shall remain fully operational throughout the life of this Contract. The Contractor shall be responsible for coordinating with the Engineer and the utility owners for the relocation of the utilities, or the erection of temporary support for them. The Contractor shall be responsible for the erection of all temporary support and temporary relocation necessary to complete the work.

The Contractor shall “pothole” and expose the existing underground utilities crossing the route of the new improvements. Excavation immediately adjacent to the existing conduits shall be made by hand methods in compliance with Washington State requirements.

**Payment**

Payment will be made for the following bid item included on the proposal:

“Protection & Support of Existing Utilities”, per lump sum.

The lump sum Contract price for “Protection and Support of Existing Utilities” shall be full pay for all labor, tools, materials and equipment necessary to complete the work and for any costs incurred by the Contractor due to the loss of work efficiency as a result of the requirement to work adjacent to the relocated or temporarily supported utilities.

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

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

### **1-07.18 Insurance**

*(January 4, 2024 APWA GSP)*

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

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

- F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency
- G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.
- I. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A "wrap up policy" is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

**1-07.18(2) Additional Insured**

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

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

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

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

**1-07.18(3) Subcontractors**

The Contractor shall cause each subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-

provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by subcontractors.

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

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

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

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

Verification of coverage shall include:

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

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

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

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the

coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

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

**1-07.18(5)A Commercial General Liability**

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

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

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

Such policy must provide the following minimum limits:

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

**1-07.18(5)B Automobile Liability**

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

Such policy must provide the following minimum limit:

\$1,000,000	Combined single limit each accident
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**1-07.18(5)C Workers' Compensation**

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

**1-07.23 Public Convenience and Safety**

Section 1-07.23 is supplemented with the following:

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

**1-07.23(1) Construction Under Traffic**

*(May 2, 2017 APWA GSP)*

Revise the third sentence of the second paragraph to read:

Accessibility to existing or temporary pedestrian push buttons shall not be impaired; if approved by the Contracting Agency activating pedestrian recall timing or other accommodation may be allowed during construction.

**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.

Section 1-07.24 is supplemented with the following:

**Rights of Consideration for SILVERDALE WAY PRESERVATION:**

Parcel Number	Property Owner	Considerations
162501-3-074-2003	Poplars LLC Josh Hinman Phone: 360-536-3205 Email: poplarsapts@gmail.com and Julie Cain Phone: 206-852-4283 Email:juliecain4@gmail.com	None
162501-3-032-2004	Burger King Company Esoies Yakub Email: eyakub@rbi.com	None
162501-3-029-2009	Bank Of America Kim Tobiason Phone: 206-369-8651 Email: Kim.Tobiason@cushwake.com>	None



<b>162501-3-031-2005</b>	Westsound Plaza LLC Delores Weir Phone: 360-692-6887 or 360-731-1776 Email: drweir46@gmail.com	None
<b>162501-3-027-2001</b>	KSH Properties Inc Ken Hwang Office: 425-837-8323 Cell: 206-359-1051 Email: kenhwang007@gmail.com	Approx. from station 25+10, 30 LT to Station 25+50, 50 LT there is an irrigation system with one sprinkler head in the acquisition area. According to the construction plan set, it does not appear the irrigation system should not be impacted. <b>If it is damaged, the contractor will repair or replace it within a 72-hour period.</b>
<b>162501-3-100-2001</b>	MROF I Silverdale LLC TBD	None
<b>162501-3-036-2000</b>	Ric 21 Ltd Attn O'Reilly Auto Parts Jessica Lopes Phone: 858-284-5000 Email: jlopes@realtyincome.com	None
<b>162501-3-024-2004</b>	Singhbrothers LLC Vikram Singh Phone: 646-265-3739 Email: sbllc25@gmail.com	None
<b>4489-000-001-0001</b>	Benson William & Cheryl C/O Columbia Bank Phone: 360-689-3622 Email: ferrariguy2017@yahoo.com	None
<b>4489-000-037-0009</b>	Silverdale Way LLC Cody Nilsson Phone: 425- 577- 7861 Email: cody@paadvisors.com	None
<b>162501-2-088-2009</b>	10315 Silverdale Way Holdings LLC Jeremy Zinn Direct: 410-500-4321 Cell: 443-742-5894 Email: <a href="mailto:jzinn@cwcapital.com">jzinn@cwcapital.com</a> Attorney: Serena Carlsen Phone: 206-359-3324 Email: SCarlsen@perkinscoie.com	None
<b>162501-2-089-2008</b>	10315 Silverdale Way Holdings LLC Jeremy Zinn Direct: 410-500-4321 Cell: 443-742-5894 Email: <a href="mailto:jzinn@cwcapital.com">jzinn@cwcapital.com</a>	None

	Attorney: Serena Carlsen Phone: 206-359-3324 Email: SCarlsen@perkinscoie.com	
<b>162501-3-004-2008</b>	Sil-Way LLC Cody Nilsson Phone: 425- 577- 7861 Email: cody@paadvisors.com	None
<b>162501-2-090-2005</b>	10315 Silverdale Way Holdings LLC Jeremy Zinn Direct: 410-500-4321 Cell: 443-742-5894 Email: <a href="mailto:jzinn@cwcapital.com">jzinn@cwcapital.com</a> Attorney: Serena Carlsen Phone: 206-359-3324 Email: SCarlsen@perkinscoie.com	Approach between ST 40+75, 28 LT and 42+00, 26 LT (approx.) – place a steel plate over concrete while it cures to maintain access.
<b>162501-3-003-2009</b>	88 Partners LLC Cody Nilsson Phone: 425- 577- 7861 Email: cody@paadvisors.com	None
<b>162501-2-022-2008</b>	McDonalds Silverdale Yoli Matranga Phone: 916-407-8087 Email: yolanda.matranga@us.mcd.com	None
<b>162501-2-001-2003</b>	Kitsap Bank Larry Grohn Phone: 360-876-0237 Email: lgrohn@kitsapbank.com	None
<b>162501-2-037-2001</b>	Silverdale Health Partners LLC Carolyn Offenbacker Phone: 360-613-5000 Email: <a href="mailto:runningoservices@gmail.com">runningoservices@gmail.com</a>	None
<b>162501-2-071-2008</b>	Markham Washington Investments William A. Nikkel Phone: 208-634-1504 Email: markham1659@gmail.com	None
<b>162501-2-006-2008</b>	Giffey Properties Silverdale LLC Mark Giffey Phone: 360-269-0595 Email: ccvh@localaccess.com	None
<b>162501-2-014-2008</b>	Leon & Kathy LeCave Trustee Kathy LeCave Phone: 916-295-4983 Email: klecave@yahoo.com	None
<b>5053-000-001-0004</b>	JP Morgan Chase Bank Bruce L. Sayles Cell: 818-317-2899 Email: bruce.sayles@chase.com	None

<b>162501-2-062-2009</b>	Randall Business Center LLC Don Morris (206) 947-0810 Email: <a href="mailto:don@dcmseattle.com">don@dcmseattle.com</a>	None
<b>162501-2-055-2008</b>	US Government (USPS) Sean Ford Phone: 703 268 9827 Email: <a href="mailto:sean.m.ford@usps.gov">sean.m.ford@usps.gov</a>	None
<b>162501-2-094-2001</b>	Fire District 01 (Central Kitsap) Jay Christensen Phone: 360-447-3550 Email: <a href="mailto:jchristian@ckfr.org">jchristian@ckfr.org</a>	None
<b>162501-3-033-2003</b>	PK 1 Silverdale Shopping Center LLC Ross Daud Phone: 516-869-2517 Email: <a href="mailto:rdoud@kimcorealty.com">rdoud@kimcorealty.com</a>	None

All cost for providing, installing, maintaining, and removing ITEM OF WORK shall be included in the lump sum bid item "Removal of Structure and Obstruction".

## **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**  
(\*\*\*\*\*)

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 the hours of 6:00 p.m. and 6:00 a.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.

Exception to the normal working hours: Concrete work may be done between the hours of 6:00 a.m. and 6:00 p.m.

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

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

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

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)

2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

## **1-08.1 Subcontracting**

### **1-08.1(7) Payments to Subcontractors and Lower-Tier Subcontractors**

#### **1-08.1(7)A Payment Reporting** *(November 25, 2024 APWA GSP)*

Delete this section and replace it with the following:

#### **1-08.1(7) VACANT**

### **1-08.1(9) Required Subcontract Clauses**

#### **1-08.1(9)B Clauses Required in Subcontracts of All Tiers** *(November 25, 2024 APWA GSP)*

Delete item 8 of the second paragraph of Section 1-08.1(8)B.

## **1-08.3 Progress Schedule**

### **1-08.3(2)B Type B Progress Schedule** *(January 4, 2024 APWA GSP)*

Revise the first paragraph to read:

The Contractor shall submit a preliminary Type B Progress Schedule at or prior to the preconstruction conference. The preliminary Type B Progress Schedule shall comply with all of these requirements and the requirements of Section 1-08.3(2), except that it may be limited to only those activities occurring within the first 60-working days of the project.

Revise the first sentence of the second paragraph to read:

The Contractor shall submit one copy of a Type B Progress Schedule depicting the entire project no later than 21-calendar days after the preconstruction conference.

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

Section 1-08.4 is deleted and replaced with the following:

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

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

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

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

Section 1-08.5 is supplemented with the following:

*(March 13, 1995 WSDOT GSP, Option 7)*

This project shall be physically completed within \*\*\* **140** \*\*\* working days.

Revise the third and fourth paragraphs to read:

*(November 25, 2024 APWA GSP, Option A)*

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

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

days and all partial or whole days the Engineer declares as unworkable The statement will be identified as a Written Determination by the Engineer. If the Contractor does not agree with the Written Determination of working days, the Contractor shall pursue the protest procedures in accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

*(November 25, 2024 APWA GSP, Option A)*

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

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
  - a. Certified Payrolls (per Section 1-07.9(5)).
  - b. Material Acceptance Certification Documents
  - c. Monthly Reports in DMCS of the amounts paid including the final payment confirmation to all firms required by Section 1-08.1(7)A if applicable
  - d. Final Contract Voucher Certification
  - e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
  - f. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
  - g. Property owner releases per Section 1-07.24

**1-08.9 Liquidated Damages**  
(March 3, 2021 APWA GSP, Option A)

Replace Section 1-08.9 with the following:

Time is of the essence of the Contract. Delays inconvenience the traveling public, obstruct traffic, interfere with and delay commerce, and increase risk to Highway users. Delays also cost tax payers undue sums of money, adding time needed for administration, engineering, inspection, and supervision.

Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of \*\*\* **\$1,900** \*\*\* 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.

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, liquidated damages identified 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.

Liquidated damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of liquidated damages will, in any degree, release the Contractor from further obligations and liabilities to complete the entire Contract.

**1-09 MEASUREMENT AND PAYMENT**

**1-09.2 Weighing Equipment**

**1-09.2(1) General Requirements for Weighing Equipment**  
(November 25, 2024 APWA GSP, Option B)

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form



422-027LP, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

**1-09.2(5) Measurement**  
(December 30, 2022 APWA GSP)

Revise the first paragraph to read:

**Scale Verification Checks** – At the Engineer's discretion, the Engineer may perform verification checks on the accuracy of each batch, hopper, or platform scale used in weighing contract items of Work.

**1-09.6 Force Account**  
(December 30, 2022 APWA GSP)

Supplement this section with the following:

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

**1-09.9 Payments**  
(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.

## **1-09.11 Disputes and Claims**

### **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 Claims Resolution**

### **1-09.13(3) Arbitration**

#### **1-09.13(3)A Arbitration General**

*(January 19, 2022 APWA GSP)*

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

## **1-10 TEMPORARY TRAFFIC CONTROL**

### **1-10.2 Traffic Control Management**

#### **1-10.2(1) General**

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

*(October 3, 2022 WSDOT GSP, Option 1)*

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 135<sup>th</sup> 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>

#### **1-10.2(2) Traffic Control Plans (TCP)**

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

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

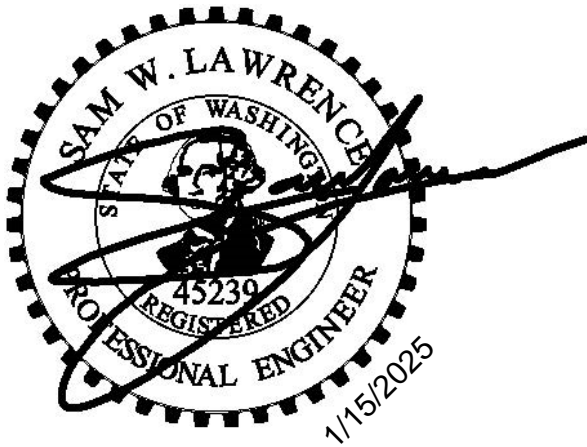
Development of a Traffic Control Plan shall be the responsibility of the Contractor. The Contractor shall submit their Traffic Control Plan for the Engineer's review 5 working days prior to the Preconstruction Meeting. The Engineer shall review the Plan and at the Preconstruction Meeting give written approval or discuss the revisions required. Subsequent reviews or revisions, if required, shall be accomplished by the Engineer within 5 working days after submittal. No work shall be undertaken until the Contractor has written approval of the Traffic Control Plan.

**END OF DIVISION 1**

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS  
COUNTY ROAD PROJECT NO. 3686

**SILVERDALE WAY PRESERVATION**  
OVERLAY AND STORMWATER RETROFIT

The Professional Engineer's seal and signature affixed hereon indicates this Engineer's review and participation in the preparation of the following Divisions 2 through 9 of these Special Provisions.



Sam Lawrence, PE  
Name

Psomas  
Firm

## **DIVISION 2 EARTHWORK**

### **2-01 CLEARING, GRUBBING AND ROADSIDE CLEANUP**

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

Section 2-01.1 is supplemented with the following:

*(March 13, 1995 WSDOT GSP, Option 1)*

Clearing and grubbing on this project shall be performed within the following limits:

\*\*\* 0.5-foot beyond the back of proposed sidewalk. The Contractor shall allow 2 working days for the Engineer to approve the clearing limits before commencing activities. At the direction of the Engineer, the limits shall be adjusted in the field. When marking the clearing limits, the Contractor shall strive to protect from damage existing landscaping items, such as vegetation, rockeries, irrigation and other items from damage.\*\*\*

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

Revise the third paragraph to read as follows:

The Contractor shall use Disposal Method No. 2 per Section 2-01.2(2) of the Standard Specifications.

#### **2-01.5 Payment**

The first and second paragraphs of Section 2-01.5 are revised to read:

*(January 5, 1998 WSDOT GSP)*

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

All costs for clearing and grubbing on this project shall be included in the \*\*\* costs of other related items. \*\*\*

### **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

#### **2-02.1 Description**

Section 2-02.1 is supplemented with the following:

This work shall consist of removing or adjusting all materials noted in this section of the Special Provisions as well as any other materials designated for removal on the Plans or necessary for the construction. All materials

removed shall become the property of the Contractor and disposed of per Section 2-01.2 of these Special Provisions.

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

Section 2-02.3 is supplemented with the following:

Voids left by the removal or abandonment of items within the right-of-way shall be backfilled with CSTC voids outside of the right-of-way may be backfilled with select native materials as approved by the Engineer and compacted to 95 percent of maximum density as specified in Section 2-03.3(14)D of the Standard Specifications.

#### **Removal of Obstructions**

The following specific items shall be included under “Removal of Structure and Obstruction” as well as other minor items noted on the Plans:

- Chip and remove existing signal foundation to 3’ below grade within the NW Randall Way splitter island approximate sta. 55+10 left
- Remove and dispose of structural sign post base and foundation to 3’ below grade approximate sta. 55+40 right
- Removal and salvage of existing ring and covers and frame and grates as identified in the Plans.
- Removal and disposal of miscellaneous traffic items such as reflective pavement markers, traffic candle sticks.

Items to be removed, abandoned, or relocated that are identified on the Plans but not specifically called out above shall also be paid for under the lump sum bid item for “Removal of Structures and Obstructions”.

In general, the Contractor shall remove and dispose, relocate, or abandon existing items which conflict with the new improvements. Where not in conflict, or where not specified for demolition or removal, Contractor shall protect all private and public improvements.

All material removed for the construction of the project shall be hauled off-site to a legal disposal site by the Contractor, with the exception of materials specifically noted for salvage. The Contractor shall determine the requirements of his selected disposal site related to accepting the material to be deposited on the site. Testing of the material by the disposal site or refusal of the site to accept the material shall not be the basis for additional payment or for an extension of the Contract time. The cost of all such requirements shall be included in the various Bid prices in the Proposal.

### Delivery to the County

The salvaged stormwater items shall be delivered to Kitsap County at the address provided below:

Kitsap County Stormwater Division  
Public Works Annex  
8600 SW Imperial Way  
Bremerton, WA 98312  
Contact: Jeff Jayroe  
Telephone: 360-516-0800

The Contractor shall provide notice a minimum of five working days prior to delivery of any materials.

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

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

The table below lists drainage structures (catch basins and piping) to be removed in full and disposed of. All locations and lengths are approximate.

#### Drainage Structures:

Station	Offset	Structure
113+11	49' Left	Catch basin Type 1
113+62	51' Left	Catch basin Type 1

#### Drainage Pipes:

Start Station, Offset	End Station, Offset	Length (LF)	Diam./Material
18+90, 29' Left	18+90, 28' Right	54	12" CMP
27+25, 29' Left	27+24, 27' Right	56	12" CMP
29+28, 29' Left	29+31, 27' Right	56	12" CMP
31+88, 29' Left	31+88, 27' Right	56	12" CMP
38+89, 29' Left	38+89, 27' Right	56	12" CMP
40+74, 29' Left	40+74, 27' Right	56	12" CMP
42+89, 29' Left	42+90, 27' Right	56	12" CMP
42+89, 29' Left	45+29, 29' Left	239	24" CMP
45+29, 29' Left	45+30, 27' Right	56	12" CMP
53+40, 29' Left	53+39, 27' Right	56	12" CMP
55+61, 47' Left	55+69, 29' Left	20	24" Conc.
55+61, 47' Left	55+67, 46' Left	7	10" Conc.
55+86, 29' Left	55+88, 27' Right	56	12" CMP
55+86, 29' Left	59+89, 29' Left	403	24" CMP
57+89, 29' Left	57+88, 27' Right	56	24" CMP
59+89, 29' Left	59+89, 28' Right	56	12" CMP



59+89, 29' Left	60+20, 37' Left	33	24" CMP
112+42, 41' Left	112+42, 15' Left	56	12" Conc

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

Section 2-02.3(3) is supplemented with the following:

#### Pavement Thickness

The approximate thickness of the existing asphalt pavement is:

Station (offset)	Depth of Asphalt
<b>Silverdale Way NW</b>	
16+10, 27' LT	4.75"
16+10, 0'	5.25"
16+10, 34' RT	4"
23+40, 26' LT	4"
23+40, 0'	5"
23+40, 23' RT	3.5"
25+90, 59' LT	6"
26+25, 15' RT	5.25"
26+75, 48' LT	5.5"
30+20, 26' LT	3.75"
30+20, 0'	5.25"
30+20, 23' RT	3"
33+45, 43' LT	2.75"
33+45, 45' RT	3"
36+00, 26' LT	4.5"
36+00, 0'	4.5"
36+00, 23' RT	3"
43+10, 26' LT	7"
43+10, 0'	4.5"
43+10, 23' RT	4.5"
54+90, 50' LT	3.5"
55+10, 29' LT	4.5"
55+15, 24' RT	3.75"
55+60, 24' RT	4"
62+05, 25' LT	7"
62+05, 0'	5.75"
62+05, 24' RT	4.5"
<b>NW Bucklin Hill Rd</b>	
107+10, 38' LT	3"
107+10, 13' LT	7"
107+10, 10' RT	6.5"
111+40, 49' LT	3"
112+45, 38' LT	4"

112+45, 13' LT	8"
112+45, 12' RT	4.25"
113+40, 48' LT	4.75"

**Saw Cut Asphalt Concrete Pavement**

The location of sawcuts shall be marked in the field by the Contractor and approved by the Engineer prior to cutting of pavement, sidewalk, or curb and gutter.

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

The equipment and procedures used to make the vertical cut shall be approved by the Engineer. No skip cutting will be allowed.

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

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

**Removing Cement Concrete Sidewalks, Curbs, and Gutters**

Removing sidewalks, curbs, and gutters shall be as shown in the Plans or as directed by the Engineer. Existing sidewalks, curbs, and gutters shall be removed in full panel sections and shall be removed or saw cut at expansion/contraction joints only.

**Removing Asphalt Concrete Pavement**

Where shown in the Plans or where designated by the Engineer the existing asphalt concrete pavement shall be removed and promptly removed from the project site.

Add the following new section:

**2-02.3(4) Adjust Existing Utility to Grade**

Existing utilities such as monuments, manhole ring and covers, catch basin frames and grates etc. shall be adjusted to finished grade. The Contractor shall, prior to the beginning of any work, familiarize themselves with the existing utility locations. Final adjustment shall be smooth and flush with finished grade. The Contractor shall mark the location of all utilities prior to paving the new surface.

Existing box, ring, grate, and cover shall be inspected by the Owner of the utility prior to reuse. Materials in good condition shall be reset in a careful and workmanlike manner to conform to the new grade. Materials determined to be in unsatisfactory or poor condition shall be disposed of by the Contractor and replaced by the respective utility. Any damage occurring to the manholes, concrete inlets, monument cases, valve boxes, etc., due to the Contractor's operations, shall be repaired at the Contractor's own expense. Adjustments shall be made using adjustment rings or cement, and the interior of the structure adjustment shall be mortared smoothly. All covers and frames shall be thoroughly cleaned. The Contractor shall be responsible for referencing and keeping a record of such references of all structures and appurtenances encountered, and shall submit a copy of these references to the Engineer.

Adjustment of private utilities such as gas, communications and power shall be by others.

Structures and appurtenances shall be adjusted to grade in the following manner:

Within a Grass Surface: Provide crushed surfacing top course backfill and 3 inches of topsoil, Type A, and seed.

Within a HMA Paved Surface: As soon as the street is paved past each structure or appurtenance, the asphalt concrete mat shall be scored around the location of the structure or appurtenance. After rolling has been completed and the mat has cooled, it shall be cut along the scored lines. The structure or appurtenance shall then be raised to finished pavement grade, and the annular spaces filled and compacted with HMA per Section 5-04 of the Standard Specifications, to give a smooth, finished appearance.

All manhole, catch basin, and vault access structures within asphalt shall be adjusted to grade using a Multi-purpose Rubber Composite Adjustment Riser. A single Rubber Composite Adjustment Riser shall be installed between the last concrete riser and the casting. Tapered Rubber Composite Adjustment Riser shall be used if necessary. Rubber Composite Adjustment Risers shall be installed with adhesive per manufacturer's recommendations.

After pavement is in place, all joints shall be sealed with hot asphalt cement (AR 4000W). In areas opened immediately to traffic, a sand blanket shall be placed onto the surface of the hot asphalt sealer (AR4000W) to help alleviate the "tracking" of asphalt sealer.

Within a Concrete Surface: Structures shall be adjusted to grade after forms are in place and before the concrete is poured. Backfill shall be crushed surfacing base course.

## **2-02.4 Vacant**

Revise this section including the title to read as follows:

### **2-02.4 Measurement**

“Saw Cut Asphalt Concrete Pavement” will be measured per linear foot along the final sawcut line, regardless of depth. Sawcutting will only be measured once for payment at each location, for each material. Sawcuts throughout construction which are for interim construction purposes will not be measured for payment. A clean, vertical butt joint shall be provided between any surface that is to remain and the portion to be removed. Edges of pavement that becomes damaged after initial sawcutting shall be recut by the Contractor to provide a clean, vertical joint. This recut will not be measured for payment.

“Removing Cement Conc. Sidewalk” will be measured by the square yard actually removed and shall include curb ramps, sidewalks, and driveway approaches.

“Removing Cement Conc. Curb and Gutter” will be measured per linear foot of cement concrete curb and gutter actually removed for all types of curb removed, including curb and gutter, extruded curb and mountable curb.

“Removing Asphalt Conc. Pavement” will be measured by the square yard actually removed, regardless of depth.

Sawcutting of cement concrete sidewalk and curbs shall be considered incidental to the Bid item it is associated with and will not be measured for payment.

Removing pedestrian curbs shall be considered incidental to the curb ramp it is associated with and will not be measured for payment.

### **2-02.5 Payment**

Section 2-02.5 is supplemented with the following:

“Saw Cut Asphalt Concrete Pavement”, per linear foot.

The unit Contract price for “Saw Cut Asphalt Concrete Pavement” shall be full compensation for all costs necessary and incidental to performing the sawcut in the final location, regardless of depth.

“Removing Cement Conc. Sidewalk”, per square yard.

The unit Contract prices for “Removing Cement Conc. Sidewalk” and shall be full compensation for all labor, tools, material, and equipment costs necessary or incidental to completely remove concrete sidewalks, curb ramps and driveway

approaches, regardless of depth, to the extents specified on the Plans or as designated by the Engineer in the field, and dispose of it at an off-site location. The costs of any sawcutting at expansion/contraction joints is also included in this payment.

“Removing Cement Conc. Curb and Gutter”, per linear foot.

The unit Contract price per linear foot for “Removing Cement Conc. Curb and Gutter” shall be full compensation for all labor, tools, material, and equipment necessary or incidental to completely remove curbs of any type, except pedestrian curb, and dispose of at an off-site location. The costs of any sawcutting at expansion/contraction joints is also included in this payment.

“Removing Asphalt Conc. Pavement”, per square yard.

The unit Contract price for “Removing Asphalt Conc. Pavement” per square yard shall be full compensation for all labor, tools, equipment, and materials necessary to remove and dispose of asphalt concrete pavement. Asphalt concrete pavement removed by grinding/planing shall be measured and paid for as “Planing Bituminous Pavement”. Asphalt removed at pavement repair areas, to the extent specified on the Plan Details, shall be included in the “Pavement Repair Excavation Incl. Haul” unit price.

## **2-03 ROADWAY EXCAVATION AND EMBANKMENT**

### **2-03.1 Description**

Section 2-03.1 is supplemented with the following:

All excavation, regardless of the nature or type of materials encountered, performed under this Contract shall be considered as unclassified excavation except as noted otherwise herein.

This work shall also include re-grading the existing approach to meet the new roadway pavement constructed for this project as shown in the Plans. Approach is defined as a connection providing private vehicular access to and from the County road system,

### **2-03.2 Vacant**

Revise this section including the title to read as follows:

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

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

## **2-03.3 Construction Requirements**

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

Delete this section and replace with the following:

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

All costs associated with hauling and disposal of surplus materials will be considered incidental to the various Bid Items of the project and no additional compensation will be made.

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

Section 2-03.3(13) is supplemented with the following:

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

### **2-03.3(14) Embankment Construction**

Section 2-03.3(14) is supplemented with the following new subsection:

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

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

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

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

### **2-03.3(14)O Approach Excavation and Embankment Compaction**

The Contractor shall grade each approach to the lines and grades established by the Engineer and as shown in the Plans. All fills shall be compacted in accordance with Section 2-03.3(14)C, Method B. Excess material and debris shall be removed from the site by the Contractor.

### **2-03.4 Measurement**

Section 2-03.4 is supplemented with the following:

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

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

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

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

### **2-03.5 Payment**

Section 2-03.5 is supplemented with the following:

Approach excavation and embankment compaction of approach subgrade shall be included in the unit Contract prices for "Roadway Excavation Including Haul" and "Embankment Compaction".

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

## **2-04 HAUL**

Add the following new section:

### **2-04.2 Hauling on Other Than State Highways**

If the sources of materials provided by the Contractor necessitate hauling over roads other than County streets, the Contractor shall, at the Contractor's expense, make all arrangements for the use and cleaning, if necessary, of the haul routes.

### **2-04.5 Payment**

Section 2-04.5 is supplemented with the following:

All costs associated with hauling materials of any description to, from, and within the project site shall be considered incidental and shall be included in the appropriate unit Bid prices in the Proposal and no further compensation will be paid.

## **2-07 WATERING**

### **2-07.3 Construction Requirements**

Section 2-07.3 is supplemented with the following:

During construction, the Contractor shall have available for the project, a suitable water truck that shall be operated as necessary to control dust. Failure to have a water truck immediately accessible to the job, and failure to use said water truck for dust control, shall be adequate reason to "shutdown" the project construction. Such shutdown is herein agreed to upon submitting a Bid for this project. Shutdowns due to the Contractor's failure to control dust shall not be considered as unworkable days.

Water placement includes that required for dust control while excavating for the street, for processing and compacting the subgrade, and for dust control between the time of subgrade preparation and the placing of asphalt. Dust control water shall be applied as directed by the Engineer or the County Construction Inspector and for such period of time as they deem necessary.



## **2-09 STRUCTURE EXCAVATION**

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

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

Section 2-09.3(1)A is supplemented with the following:

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

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

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

Revise this section to read:

When the material at the bottom of an excavation is not stable enough to support the Structure, the Contractor shall excavate below grade and replace the unstable material with special borrow. The excavation will be paid for as Unsuitable Foundation Excavation Incl. Haul per cubic yard in accordance with Section 2-03 of the Standard Specifications.

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

#### **2-09.4 Measurement**

Delete paragraphs 1 through 9 of this section and replace them with the following:

No measurement will be made for Structure Excavation Class B or Structure Excavation Class B including Haul. All costs for such excavation shall be included in the unit contract price shown in the proposal for the item to be installed.

No measurement will be made for Special Borrow. All costs for special borrow shall be included in the unit contract price for which it is being used, including but not limited to "Unsuitable Foundation Excavation Incl. Haul", "Corrugated Polyethylene Storm Sewer Pipe \_\_\_ In. Diam." "Pavement Repair Excavation Incl. Haul", when required by the County.

Delete the second sentence of the eleventh paragraph and replace it with the following:

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

Delete the twelfth paragraph.

## **2-09.5 Payment**

In the first paragraph delete all references to "Structure Excavation Class B" and "Structure Excavation Class B including Haul". Insert the following at the end of the paragraph:

All costs for Structure Excavation Class B or Structure Excavation Class B including Haul shall be included in the unit price for the item to be installed and no further payment will be made.

Revise the first sentence of the sixth paragraph to read as follows:

If the Engineer orders the Contractor to excavate below the elevations shown in the Plans, the excavation will be paid for as Unsuitable Foundation Excavation including Haul per cubic yard in accordance with Section 2-03 of the Standard Specifications.

Delete the twelfth and thirteenth paragraphs and replace them with the following:

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

The lump sum Contract price for Shoring or Extra Excavation Class B shall be full pay for all excavation, backfill, compaction and other Work required when extra excavation is used in lieu of constructing shoring. If select backfill is required for backfilling within the limits of the Structure Excavation, it shall also be required as backfill material for the extra excavation at the Contractor's expense.

Supplement this section with the following:

All costs for purchasing, providing, installing and compacting Special Borrow shall be included in the unit price for the item to be installed and no further payment will be made.

## **2-12 CONSTRUCTION GEOSYNTHETIC**

### **2-12.2 Materials**

Section 2-12.2 is supplemented with the following:

Geotextile shall be woven, for soil stabilization per Standard Specification Section 9-33.2, Table 3.

### **2-12.3 Construction Requirements**

Section 2-12.3 is supplemented with the following:

The geotextile shall either be overlapped a minimum of 24-inches at all longitudinal and transverse joints, or sewn together.

### **2-12.4 Measurement**

Section 2-12.4 is supplemented with the following:

Construction Geotextile will not be measured for payment. All costs associated with purchasing, providing and placing Construction Geosynthetic material shall be included in the square yard measurement of "Pavement Repair Excavation Incl. Haul".

### **2-12.5 Payment**

Section 2-12.5 is supplemented with the following:

Work described and as shown on the Plans for Specification Section 2-12 shall not be measured for separate payment but shall be included in the Square Yard bid item for Pavement Repair Excavation Incl. Haul.

**END OF DIVISION 2**

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## **DIVISION 4 BASES**

### **4-04 BALLAST AND CRUSHED SURFACING**

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

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

Supplement this section with the following:

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

**END OF DIVISION 4**

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## DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

### 5-04 HOT MIX ASPHALT

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

#### 5-04.1 Description

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

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

This Work shall also consist of mixing and constructing fiber reinforced asphalt concrete pavement (FRAC) on a prepared foundation for asphalt concrete pavement or base.

#### 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
Pavement Reinforcing Fibers	9-18

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be

required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

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

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

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

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

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

Production of aggregates shall comply with the requirements of Section 3-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.

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

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

#### **5-04.2(1)A Vacant**

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

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

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

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



excluded from the quantities used in the determination of nonstatistical evaluation.

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

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

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

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for \*\*\* 5 \*\*\* million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

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

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

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

Contractor shall develop and submit a job mix formula per these Specifications for FRAC dosages.

**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 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.

### **Fiber Supply System**

A separate feed system that meets the following shall be required:

Accurately proportions by weight the required quantity into the mixture in such a manner that uniform distribution will be obtained.

The fibers shall be uniformly distributed prior to the injection of the asphalt binder into the mixture. When a continuous or drier-drum type plant is used, the fiber shall be added to the aggregate and uniformly dispersed prior to the injection of asphalt binder.

### **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) is required.

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

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
2. Shall not be connected to the hauling vehicle or paver.
3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.
2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

#### **5-04.3(3)E Rollers**

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

#### **5-04.3(4) Preparation of Existing Paved Surfaces**

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

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

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

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

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

be equipped with a thermometer to indicate the temperature of the tack coat material.

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

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

**5-04.3(4)A Crack Sealing**

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

**5-04.3(4)B Vacant**

**5-04.3(4)C Pavement Repair**

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

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

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



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

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

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

**5-04.3(5)A Vacant**

**5-04.3(6) Mixing**

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

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

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

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer.

After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

**5-04.3(7) Spreading and Finishing**

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

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

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

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

**5-04.3(9) HMA Mixture Acceptance**

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

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

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes,

paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in accordance with this section.

**HMA Tolerances and Adjustments**

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

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

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

For Aggregates in the mixture:

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

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

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

2. Job Mix Formula Adjustments – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.
  - a. **Aggregates** –2 percent for the aggregate passing the 1½", 1", ¾", ½", ⅜", and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).
  - b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent.

**5-04.3(9)A Vacant**

**5-04.3(9)B Vacant**

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

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

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

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

**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 AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are less than 400 tons is at the discretion of the Engineer.

For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

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

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

Testing of HMA for compliance of  $V_a$  will at the option of the Contracting Agency. If tested, compliance of  $V_a$  will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

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

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

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

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

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

**5-04.3(9)C5 Vacant**

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

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

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

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

The Contractor may request a subplot 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, Va. The results of the retest will be used for the acceptance of the HMA in place of the original subplot 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 subplot 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 subplot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the subplot 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 subplot 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.

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.

**5-04.3(10)B HMA Compaction - Cyclic Density**

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

**5-04.3(10)C Vacant**

**5-04.3(10)D HMA Nonstatistical Compaction**

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be equal to one day's production or 400 tons, whichever is less except that the final subplot 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 subplot per WSDOT T 738.

The subplot 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 subplot, with one test per subplot.

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

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

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

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

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

#### **5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)**

An entire lot with a CPF of less than 0.75 will be rejected.

#### **5-04.3(12) Joints**

##### **5-04.3(12)A HMA Joints**

##### **5-04.3(12)A1 Transverse Joints**

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

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

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

##### **5-04.3(12)A2 Longitudinal Joints**

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than  $\frac{1}{2}$  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  $\frac{1}{8}$  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  $\frac{1}{4}$  inch in 10 feet from the rate of transverse slope shown in the Plans.

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

1. Removal of material from high places by grinding with an approved grinding machine, or
2. Removal and replacement of the wearing course of HMA, or
3. By other method approved by the Engineer.

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

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

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

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

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

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

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

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

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

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

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of the wedge must be as shown on the Drawings or as specified by the Engineer.

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

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

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

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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

#### **5-04.3(14)B1 General**

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

1. Intersections:
  - a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).
  - b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.
  - c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.
  - d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.
  - e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
3. Permanent pavement marking must comply with Section 8-22.

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

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

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

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

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

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.
2. A copy of each intersection's traffic control plan.
3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA supplier facilities to be used.



5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordination to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.
8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.

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

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

1. General for both the Paving and Planing:
  - a. The actual times of starting and ending daily operations.
  - b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

- c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.
  - d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.
  - e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.
  - f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.
  - g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.
  - h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
  - i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
  - j. Other items the Engineer deems necessary to address.
2. Paving – additional topics:
- a. When to start applying tack and coordinating with paving.
  - b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.
  - c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.
  - d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.

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

#### **5-04.3(15) Sealing Pavement Surfaces**

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

#### **5-04.3(16) HMA Road Approaches**

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

#### **5-04.4 Measurement**

Fiber-Reinforced HMA Cl. 1/2 IN. PG 58H-22 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.

HMA Road Approach will be measured by square yard of finished surface.

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.

Temporary pavement marking will not be measured. All costs for providing and removal of temporary pavement marking shall be included the unit contract price per ton for Fiber-Reinforced HMA Cl. 1/2 IN. PG 58H-22 as shown in the proposal.

#### **5-04.5 Payment**

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

“Fiber-Reinforced HMA Cl. 1/2 IN. PG 58H-22”, per ton.

The unit Contract price per ton for “Fiber-Reinforced HMA Cl. 1/2 IN. PG 58H-22” shall be full compensation for all costs, incurred to carry out the requirements of Section 5-04, including testing and shall include anti-stripping additive, synthetic fibers etc. Any costs that are already included in other Bid items in the Proposal shall not be included in the unit Contract prices per ton for the HMA Bid item.

"HMA Road Approach", per square yard.

The unit contract price per square yard of HMA Road Approach shall be full compensation for all costs, including furnishing and placing Commercial HMA and Crushed Surfacing, labor, hauling, compaction and all other costs incurred to carry out the requirements of Section 5-04. Approach excavation and embankment compaction of approach subgrade will be paid for under "Roadway Excavation Including Haul" and "Embankment Compaction" in Section 2-03.

"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 overlay shall be included in the unit Contract price. HMA pavement below the overlay shall be included in "Pavement Repair Excavation Incl. Haul". All costs for procuring, providing, placing, and compacting crushed surfacing and Geotextile for Soil Separation for pavement repair shall be included in the "Pavement Repair Excavation Incl. Haul" unit price.

"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).

"Crack Sealing - FA", by force account.

"Crack Sealing - FA" will be paid for by force account as specified in Section 1-09.6. 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.

Section 5-04.5 is supplemented with the following:

***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:

"Fiber-Reinforced HMA Cl. 1/2 IN. PG 58H-22"

"HMA Road Approach"

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/how-do-business-us/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.

**END OF DIVISION 5**

## **DIVISION 6 STRUCTURES**

### **6-21 Steel Handrail**

Add the following new sections:

#### **6-21.1 Description**

This work shall also consist of removing, protecting and re-installing existing steel pipe handrail as indicated in the Plans.

#### **6-21.2 Materials**

Re-installed handrail – Handrail shall match existing material type.

#### **6-21.3 Construction Requirement**

##### **Re-installing Pipe Handrail**

This work shall consist of removing, protecting and re-installing existing pipe handrail as indicated in the Plans. Existing materials shall be reused; however, any damaged handrail or post shall be replaced in kind and painted to match existing at the Contractors expense. Existing concrete from the post sleeve shall be removed prior to construction of new pedestrian curb to support the pipe handrail sleeve.

If existing posts, sleeves or handrail are found to be in poor condition, as determined by the Engineer in the field, the materials shall be replaced with new, like materials matching existing. The cost of materials will be paid for per Force Account per section 1-09.6.

#### **6-21.4 Measurement**

“Remove and Reinstall Existing Handrail”, per linear foot.

#### **6-21.5 Payment**

“Remove and Reinstall Existing Handrail”, per linear foot.

The lineal foot Bid item “Remove and Reinstall Existing Handrail”, lineal foot shall include all labor, tools, equipment, and materials necessary but not limited to remove and protect the existing handrail during construction, removing existing concrete from post sleeves, forming and placing cement concrete pedestrian curb within the re-installation area, replacement of hardware, posts or handrail damaged during construction activities.

## **END OF DIVISION 6**

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# **DIVISION 7 DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATERMANS AND CONDUITS**

Add the following new Section:

## **7-00 GENERAL MATTERS**

### **7-00.1 General**

For the convenience of the Contractor the Plans show approximate locations of various existing utilities and other obstructions. This information, if shown, has been obtained from records and cannot be guaranteed accurate. The Contractor shall diligently check for interferences with existing utilities ahead of his or her work.

The Contractor is further alerted to the provisions of RCW 19.122 and his or her responsibilities by performing excavation required by the Contract Documents and Standard Specifications

## **7-04 STORM SEWERS**

### **7-04.2 Materials**

Section 7-04.2 is supplemented with the following:

Gravel Backfill for Pipe Zone Bedding	9-03.12(3)
Ductile Iron Pipe	9-05.13 SP

### **7-04.3 Construction Requirements**

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

Add the following new section:

##### **7-04.3(1)G Television Inspection**

Following the air testing, Contracting Agency reserves the right to inspect the pipe using a TV camera and measuring equipment. Contracting Agency will be responsible for this inspection. The costs incurred in making the initial inspection shall be borne by Contracting Agency. Contractor shall provide two weeks advance notice and accommodate and allow up to five (5) days for this inspection to be made.

Any departure from that normally achieved with good construction practices such as pipeline misalignment (vertical or horizontal) will be deemed a deficiency. Pipe shall be excavated, the joint repaired, and the bedding and backfill re-compacted and replaced, as necessary. The maximum allowable pipe deflection will be five

(5.0) percent (in either horizontal or vertical). The pipe's internal diameter will be based on the inside dimensions and reasonable tolerances obtained from the pipe manufacturer. Pipe that is misaligned or exceeds the allowable deflection shall be excavated and the bedding and backfill re-compacted and replaced as necessary. Contractor shall bear the cost of correcting such deficiencies as well as the costs of any TV inspections that are required to verify the deficiency has been corrected.

#### **7-04.4 Measurement**

Section 7-04.4 is supplemented with the following:

“Corrugated Polyethylene Pipe \_\_\_\_ In. Diam.” shall be measured per linear foot. The length of storm sewer pipe will be the number of linear feet of completed installation measured along the invert from the center of structure to center of structure or end of pipe.

Excavation, pipe bedding, and trench backfill will not be measured for separate payment.

Connecting new pipe to existing storm structures where indicated on the Plans shall be considered incidental to the pipe installation unit price and no additional compensation will be made.

#### **7-04.5 Payment**

Section 7-04.5 is supplemented with the following:

“Corrugated Polyethylene Storm Sewer Pipe \_\_ In. Diam.”, per linear foot.

Revise the twelfth paragraph to read as follows:

The unit Contract price per linear foot for storm sewer pipe of the kind and size specified shall be full pay for all Work to complete the installation, including but not limited to trench excavation, laying and jointing pipe and fittings, approved couplings and adaptors, import and placement of backfill within and above the pipe zone, compaction, pavement restoration, adjustment of inverts to manholes, and cleanup as shown in the Plans.

## **7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**

### **7-05.1 Description**

Section 7-05.1 is supplemented with the following:

This Work also consists of:

- Installing bolt down and locking type lids on catch basins, manholes, and inlets,

This work shall also include replacing existing manhole rings and covers with new Kitsap County ring and cover, existing catch basin frame and grate with new frame and grate, installing bolt down and locking type lids on catch basins, manholes and inlets, and connecting catch basin to existing pipe.

### **7-05.2 Materials**

Section 7-05.2 is supplemented with the following:

Catch basins, manholes, and inlets shall have bolt down and locking type lids with the words "KITSAP COUNTY" cast into the top surface, as shown on the Plans. The existing lids removed by the Contractor shall remain the property of the Owner and be delivered upon installation of the new locking lid.

### **7-05.3 Construction Requirements**

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

Delete this section and replace with the following:

Where shown in the Plans or where directed by the Engineer, the lids for existing manholes, catch basins, or inlets, shall be removed and replaced with a bolt down and locking type lids with the words "KITSAP COUNTY" cast into the top surface and adjusted to the grade as staked, or otherwise designated by the Engineer.

The materials and method of construction shall conform to the requirements of the Standard Plans, except as approved by the Engineer.

Add the following new subsections:

#### **7-05.3(5) Replacing Manhole/Catch Basin Type 2 Ring and Cover**

Where specified on the Plans, Contractor shall remove the existing manhole/catch basin type 2 ring and cover and replaced with a Kitsap County ring and cover. The removed ring and cover shall be salvaged to the County per Section 2-02.3.

**7-05.3(6) Replacing Catch Basin Frame and Grate**

Where specified on the Plans or in the field by the Engineer, Contractor shall remove the existing catch basin frame and grate and replace with a new frame and grate. The removed frame and grate shall be salvaged to the County per Section 2-02.3.

**7-05.3(7) Replacing Sanitary Sewer Manhole Ring and Lid**

Where specified on the Plans, Contractor shall remove the existing manhole/catch basin type 2 ring and cover and replaced with a Kitsap County ring and cover. The removed ring and cover shall be salvaged to the County per Section 2-02.3.

**7-05.3(8) Connections to Existing Catch Basins and Storm Lines**

The locations, type, and size of the existing catch basins and storm lines have been determined from available records, and are approximate; however, it is anticipated that connections to these existing facilities may be made, in general, as shown on the Plans.

It shall be the responsibility of the Contractor to determine the exact location and ascertain the type and size of the existing facilities prior to starting work on each connection, and to provide any alterations, as required at no additional cost to the Contracting Agency.

When existing pipe connections are removed or abandoned on an existing catch basin, the Contractor shall seal the existing opening with concrete and/or watertight grout. No payment will be made for sealing existing openings in existing catch basins. All work associated with sealing existing pipe openings shall be incidental to other bid items included in the Contract.

When connecting to a concrete structure, openings must be core drilled, unless an existing knockout is available. Connections shall be made with watertight rubber boots, sand collars, manhole adapter, or other approved watertight connections, except for concrete, ductile iron or corrugated metal pipe. For concrete, ductile iron, or corrugated metal pipe the connections shall be made with non-shrink Portland cement grout to make a watertight fit.

**7-05.3(9) Repair of Existing Storm Structure**

Where shown on the Plans, the Contractor shall chip out and remove the existing grout, wire brush the existing knockout clean, blow out with a compressor and regROUT all storm sewer pipe connections to the existing structure. The repaired connection shall be watertight and to the approval of the Engineer.

Any cracks over 1/4" in width within the base or barrel section shall be blown clean with a compressor and injected with grout.

After completing the repairs, the Contractor shall vector the existing storm structure clean and dispose of any debris existing or from the repair.

#### **7-05.4 Measurement**

Section 7-05.4 is supplemented with the following:

“New Frame and Grate, Adjust to Grade” shall be measured per each assembly installed on an existing catch basin or manhole, complete and in-place.

“New Sanitary Manhole Lid, Adjust to Grade” shall be measured per each assembly installed on an existing manhole, complete and in-place.

“Install Provided Ring and Cover, Adjust to Grade” shall be measured per each assembly provided by the County installed on an existing catch basin or manhole, complete and in-place.

“Repair Existing Storm Structure” shall be measured per each structure repaired per these specifications, complete and in-place.

No measurement will be made for structure excavation, foundation material, native material, backfill, or bedding material and shall be incidental to the structure that is being installed.

#### **7-05.5 Payment**

Section 7-05.5 is supplemented with the following:

“New Frame and Grate, Adjust to Grade”, per each.

The unit cost shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to providing and installing a new catch basin frame and grate. Work elements may include, but shall not be limited to, removing and salvaging of the existing frame and grate; asphalt removal; excavation; purchasing, providing, placing and compacting CSTC; adjustment rings; providing and installing the new frame and grate; adjusting to final grade; and HMA for final restoration.

“New Sanitary Manhole Lid, Adjust to Grade”, per each.

The unit cost shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to providing and installing a new Kitsap County sewer ring and cover on an existing manhole. Work elements may include, but shall not be limited to, removing and salvaging of the existing ring and cover; asphalt removal; excavation; purchasing, providing, placing and compacting CSTC; adjustment rings; providing and installing the Kitsap County sewer ring and cover; adjusting to final grade; and purchasing, providing, grading, and compacting HMA for final restoration.

“Install Provided Ring and Cover, Adjust to Grade”, per each.

The unit cost shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to installing a new Kitsap County ring and cover on an existing catch basin or manhole. Work elements may include, but shall not be limited to, removing and salvaging of the existing frame and cover; asphalt removal; excavation; purchasing, providing, placing and compacting CSTC; adjustment rings; coordination for delivery from the County and installing the Kitsap County frame and cover; adjusting to final grade; and purchasing, providing, grading, and compacting HMA for final restoration. “Repair Existing Storm Structure”, per each.

The unit cost shall be full compensation for all labor, tools, equipment and materials necessary or incidental to repairing existing storm drain structures. Work elements may include but shall not be limited to, removing existing grouted stormwater connection; cleaning existing knockout, cored hole or crack; purchasing, providing and placing grout; and cleaning existing structure.

All costs associated with furnishing and installing bolt down, locking type manhole and catch basin grates and covers with the words “KITSAP COUNTY” cast into the top surface shall be included in the unit Contract price for the item installed or adjusted.

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

### **7-08.2 Materials**

Section 7-08.2 is supplemented with the following:

Trench bedding and backfill material shall be gravel backfill as specified on Kitsap County Standard Details.

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

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

Section 7-08.3(1) is supplemented with the following:

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

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

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

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

Revise the sixth paragraph to read as follows:

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

### **7-08.3(3) Backfilling**

Section 7-08.3(3) is supplemented with the following:

Trench backfill for all pipes and vaults shall be in accordance with the Kitsap County Road Standards, the Standard Specifications, and these Special Provisions.

### **7-08.4 Measurement**

Delete the third paragraph and replace it with the following:

Structure Excavation Class B and Structure Excavation Class B Including Haul will not be measured as specified in Section 2-09.4 of these Special Provisions.

Revise the last paragraph to read:

Shoring or extra excavation class B will be measured as specified in Section 2-09.4 of these Special Provisions.

Section 7-08.4 is supplemented with the following:

Pot-holing of existing utilities shown in the Plans crossing the route of new pipe shall be incidental to the item being installed. All costs for such work shall be included in the unit contract price shown on the proposal for the item to be installed and no further payment will be made.

Pot-holing of utilities not shown in the Plans as crossing the route of the new pipe will be measure by force account in accordance with Sections 1-09.6.

## **7-08.5 Payment**

Delete the fifth and sixth paragraph.

Section 7-08.5 is supplemented with the following:

“Force Account Pot-hole Utility Crossing”, per force account.

Payment will be made for the bid item “Force Account Pot-hole Utility Crossing”, per force account, as provided in Section 1-09.6 for exposing any utility crossing the new pipe or drainage structure that is not shown in the Plans. To provide a common proposal for all Bidders, the Contracting Agency has entered an amount in the Proposal to become a part of the Contractor’s total bid.

No payment will be made for pot-holing of existing utilities shown in the Plans as crossing the route of the new pipe.

## **7-12 VALVES FOR WATER MAINS**

### **7-12.3 Construction Requirements**

Add the following new section

#### **7-12.3(2) Adjusting Valve Box and Lid**

Where specified on the Plans, Contractor shall adjust the valve box and lid per Section 2-02.3(4) of these specifications.

See Silverdale Water District Detail NR-1-08 for construction requirements. The valve box shall be centered and plumb over the top of the valve operating nut. Valve can tabs shall be aligned with the direction of pipe.

### **7-12.4 Measurement**

Section 7-12.4 is supplemented with the following:

“Adjust Valve box” shall be measured per each, complete and in-place.

Separate measurement will not be made for interim valve box adjustments.



## **7-12.5 Payment**

Section 7-12.5 is supplemented with the following:

“Adjust Valve Box”, per each.

The unit cost shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to adjusting existing valve box and lid to grade. Work elements may include, but shall not be limited to, asphalt removal; excavation; concrete collar; adjusting to final grade; purchasing, providing, placing, and compacting CSTC; and purchasing, providing, placing, grading, and compacting HMA for final restoration.

**END OF DIVISION 7**

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## **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

### **8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**

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

Section 8-01.1 is supplemented with the following:

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

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

Section 8-01.3 is supplemented with the following:

The Contractor shall bear sole responsibility for damage to completed portions of the project and to property located off the project caused by erosion, siltation, runoff, or other related items during the construction of the project. The Contractor shall also bear sole responsibility for any pollution of rivers, streams, groundwater, or other water that may occur as a result of construction operations.

At no time shall more than 1 foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned at a time designated by the County Construction Inspector. The cleaning operation shall not flush sediment-laden water into the downstream system. The cleaning shall be conducted using an approved vacuum truck capable of jet rodding the lines. The collection and disposal of the sediment shall be the responsibility of the Contractor at no cost to Kitsap County.

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

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

Delete the first sentence and replace it with the following:

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

A TESC Plan consists of a narrative section and plan sheets that meets Ecology's Stormwater Pollution Prevention Plan (SWPPP) requirement in the CSWGP. When the Contracting Agency has developed a TESC Plan for a Contract the narrative is included in the appendix to the Special Provisions and the TESC plan sheets are included in the Contract Plans. The Contracting

Agency TESC plan will not include off-site areas used to directly support construction activity.

A Stormwater Pollution Prevention Plan (SWPPP) shall be prepared by the Contractor and submitted for approval by the Engineer. The plan shall consist of the Contractor's complete strategy to meet the requirements of the CSWGP. The SWPPP shall include and modify as necessary the TESC Plan drawings if provided as part of the Contact Plans. The Contractor shall prepare, review and modify the SWPPP as necessary to be consistent with the actual work schedule, sequencing, and construction methods that will be used on the project.

The SWPPP shall document all the erosion and sediment control Best Management Practices (BMPs) proposed, whether permanent or temporary. The plan shall document installation procedures, materials, scheduling, and maintenance procedures for each erosion and sediment control BMP. The Contractor shall submit the SWPPP for the Engineer's approval before any work begins. The Contractor shall allow at least five working days for the Engineer's review of the initial SWPPP or any revisions to the modified SWPPP. Failure to approve all or part of any such plan shall not make the Contracting Agency liable to the Contractor for any work delays. The Contractor may not begin work without an approved Contractor's SWPPP.

Contractor TESC Plans shall include all high visibility fence delineation shown on the Contracting Agency Contract Plans. All TESC Plans shall meet the requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109 and be adapted as needed throughout construction based on site inspections and discharge samples to maintain compliance with the CSWGP. The Contractor shall develop a schedule for implementation of the TESC work and incorporate it into the Contractor's progress schedule.

The Contractor shall submit their TESC Plan and implementation schedule as Type 2 Working Drawings. At the request of the Engineer, updated TESC Plans shall be submitted as Type 1 Working Drawings.

### **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

Supplement this list under the second paragraph with the following:

3. Inspecting all on-site erosion and sediment control BMPs at least once every five working days and within 24 hours of every runoff event. A SWPPP Inspection report or form shall be prepared for each inspection and shall be included in the SWPPP file. A copy of each SWPPP Inspection report or form shall be submitted to the Engineer no later than the end of the next working day following the inspection. The report or form shall include, but not be limited to the following:

- a. When, where, and how BMPs were installed, maintained, modified, and removed.
  - b. Observations of BMP effectiveness and proper placement.
  - c. Recommendations for improving future BMP performance with upgraded or replacement BMPs when inspections reveal SWPPP inadequacies.
  - d. Approximate amount of precipitation since last inspection and when last inspection was performed.
4. Updating and maintaining a SWPPP file on site that includes, but is not limited to the following:
- a. SWPPP Inspection Reports or Forms.
  - b. SWPPP narrative.
  - c. Other applicable permits.

### **8-01.3(8) Street Cleaning**

Supplement this Section with the following:

The Contractor shall provide for cleaning all surfaced roadways that have become dirty as a result of the execution of this project. This shall be done at the completion of each day's activities or more often if so directed by the Engineer. Street sweepers with a vacuum function shall be the only acceptable method used to clean. Flushing will not be permitted.

Contractor shall have a vacuum sweeper available, full-time, for the duration of the project.

Not having a full-time vacuum sweeper available and/or sufficient additional materials to react in a timely manner to changes may be grounds for the County to issue a Stop Work Order until the Contractor remedies the deficiency or the County may elect to have complete the street sweeping and deduct the cost from monies due to the Contractor. Time spent under a Stop Work Order in this situation shall not be grounds for a claim for additional payment or additional working days.

### **8-01.3(9)D Inlet Protection**

Supplement this Section with the following:

Inlet protection can be in the form of internal devices and shall be installed prior to clearing, grubbing or earthwork activities. Catch Basin Inserts shall be installed on existing catch basins within the project area and those immediately downstream of the project site that could possibly receive sediment laden runoff for the site. They shall be installed and meet the requirements of WSDOT

Standard Plan I-40.20-00. Simply placing a piece of geotextile under the catch basin grate is not acceptable.

When the depth of accumulated sediment and debris reaches approximately one-half the height of an internal device or one-third the height of the external device (or less if so specified by the manufacturers), the deposits shall be removed. Contractor shall be responsible for removing catch basin inserts upon completion of the project.

### **8-01.3(16) Removal**

Supplement this section with the following:

#### **Removing Temporary Erosion / Water Pollution Control BMPs**

The Contractor shall remove all Temporary Erosion / Water Pollution Control BMPs within twenty (20) days after final stabilization, landscape restoration, or after the BMPs are no longer needed. Trapped sediment shall be removed or stabilized on site.

Add the following new section:

#### **8-01.3(17) Suspension of Work**

If at any time during the life of this Contract the Contractor requests to suspend work, it shall be the Contractor's responsibility to meet the Temporary Erosion / Water Pollution Control requirements of the Bid Documents, including maintenance and repair of BMPs already installed, at all times during suspension

### **8-01.4 Measurement**

Supplement this section with the following:

No specific unit of measurement shall apply to the lump sum bid item for Erosion / Water Pollution Control.

### **8-01.5 Payment**

Supplement this section with the following:

"Erosion / Water Pollution Control (L.S.)", per lump sum.

The lump sum Bid price for "Erosion / Water Pollution Control (L.S.)" shall constitute full pay for all labor, materials, tools, and equipment necessary and incidental to the installation, maintenance, repair, and removal of erosion and sediment control facilities as specified on the Plans, these Special Provisions, the Standard Specifications, or the Contractor-developed SWPPP for which specific Bid items are not provided.

Developing, submitting, modifying, updating, and implementing the SWPPP as described herein shall be included in the “Erosion / Water Pollution Control (L.S.)” lump sum cost.

“Erosion / Water Pollution Control (L.S.)” shall also be full compensation for all labor, materials, tools, and equipment necessary to meet the project specific SWPPP for which other Bid items are not provided. Installation, repair, maintenance, and removal of erosion control facilities shall be considered incidental to “Erosion Control and Water Pollution Prevention”.

## **8-02 ROADSIDE RESTORATION**

### **8-02.2 Materials**

Section 8-02.2 is supplemented with the following:

Topsoil Type A	9-14.2(1) SP
Seeded Lawn Mix	9-14.3
Bark or Wood Chip Mulch	9-14.5

### **8-02.3 Construction Requirements**

Section 8-02.3 is supplemented with the following:

Lawn areas disturbed by construction activities shall be hydroseeded at the discretion of the County Construction Inspector. Topsoil shall be placed over the disturbed area at an average compacted thickness of 3 inches, or greater as necessary to match existing grades. All restoration practices shall be completed unless otherwise directed by the County Construction Inspector.

Where feasible, the hydroseeding method of application shall be used. A slurry consisting of seed, fertilizer, mulch and water shall be uniformly applied over all disturbed areas, unless directed otherwise. Seed mixes shall be applied at a rate per Section 9-14.3, of these Special Provisions.

Any seeded areas that fail to establish at least 80% cover two months after hydroseed application shall be reseeded as directed by the Engineer.

Topsoil and bark much shall be placed 1 inch below the adjacent top of sidewalk or top of curb elevation.

#### **Fertilizing**

Fertilizer shall be applied at the rates specified, per Section 9-14.4 Fertilizer, of these Special Provisions. Fertilizer shall be incorporated into the seed, mulch, and water slurry and shall be applied as specified in the Standard Specifications.

### **Mulching**

Mulch shall be applied at the rate of 2,500 pounds per acre, unless otherwise recommended by the seed supplier. The Contractor shall follow manufacturer's / suppliers recommended quantities of mulch in pounds to tank capacity in gallons.

### **Protection and Care of Seeded Areas**

The Contractor is responsible for applying water to all seeded areas until 4 weeks after substantial completion or until the seeded areas have a dense growth of grass with an average height of 1 inch. The Contractor shall take necessary measures to prevent erosion and siltation of downstream facilities and adjacent properties.

### **8-02.3(4) Topsoil**

#### **8-02.3(4)A Topsoil Type A**

Section 8-02.3(4)A is supplemented with the following:

Topsoil Type A shall be placed to a non-compacted depth of 18 inches in areas where new seeding or planting beds are being installed. The topsoil shall be thoroughly blended prior to placement.

The Contractor shall submit a Type 1 Working Drawing consisting of independent test results from an accredited laboratory demonstrating the Topsoil Type A meets the requirements of Section 9-14.2(1) of these Special Provisions.

The Contractor shall thoroughly scarify surface by tilling, disking, or harrowing after the subgrade has been backfilled to the elevations needed to establish finished grade after topsoil placement as indicated on the Plans. Prior to placement, the Engineer shall approve topsoil material. Final grading shall include raking, floating, dragging, and rolling to remove all surface irregularities and to provide a firm, smooth surface with positive drainage.

### **8-02.3(11) Mulch**

Section 8-02.3(11) is supplemented with the following:

Mulch for Erosion Control Seeding:

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

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Bark mulch or wood chip mulch shall be placed to a uniform non-compacted depth of \*\*\* 4 inches \*\*\* over all planting areas.



Bark or wood chip mulch shall not be placed in areas of standing or flowing water.

Add the following new sub section:

**8-02.3(17) Protection of Private Property and Property Restoration**

Property restoration shall consist of fine grading and restoration of adjacent landscaped areas as directed, including adjustment and/or replacement of irrigation systems per Section 8-03 *Irrigation System* of the Standard Specifications. All materials shall conform to the applicable portions of Section 9-14 *Erosion Control and Roadside Planting* and Section 9-15 *Irrigation System* of the Standard Specifications.

Restore all disturbed areas to original condition or better. Grass areas shall be restored with hydroseed where directed.

The Contract shall adjust and repair existing irrigation systems where encountered and as directed by the Engineer.

The Contractor is specifically reminded that any unnecessary damage caused by construction activities will be repaired at the Contractor's expense.

*"Property Restoration"*, when approved by Engineer, will be paid by force account per Section 1-09.6 of the Standard Specifications and these Special Provisions, and will be full compensation to relocate, replace, or modify existing private improvements or landscaping where required as a condition of an easement or permit, or where impact resulting from construction activities is determined by Engineer, prior to the impact occurring, to be unavoidable, and authorized to be paid under this force account item.

The force account provided for *Property Restoration* also includes any adjustments and or replacements of existing irrigation systems. This work shall also consist of modifying existing landscape lighting systems as may become necessary by these improvements.

The Contractor is advised that protecting existing private irrigation and lighting systems from damage does not constitute a basis for claim or extra work. *Property Restoration* has been provided as a basis for modifications or improvements to private lighting systems and irrigation systems that may become necessary but could not be foreseen prior to construction.

#### **8-02.4 Measurement**

Section 8-02.4 is supplemented with the following:

“Seeded Lawn Installation” and “Bark or Wood Chip Mulch” will be measured by the square yard along the grade and slope of the area covered after application.

“Topsoil Type A” will be measured by the cubic yard in the haul conveyance at the point of delivery.

Measurement for “Property Restoration” shall be by force account for items which are not included in the Bid Proposal but deemed necessary by the Engineer. The Contracting Agency has furnished a cost to provide a common basis for all bidders. Payment will be made only for the actual amount of work as authorized and deemed necessary by the Engineer.

All costs involved in the seed bed preparation, watering, mowing, and maintaining shall be included in the pertinent bid items.

#### **8-02.5 Payment**

Section 8-02.5 is supplemented with the following:

“Topsoil Type A”, per cubic yard.

The unit price in the Proposal shall be full compensation for all equipment, labor, tools, and materials required to provide and place topsoil. Work elements shall include, but not be limited to, loading, hauling, placing, compacting, and grading topsoil.

“Seeded Lawn Installation”, per square yard.

The unit Contract price per square yard for “Seeded Lawn Installation shall be full compensation for all labor, tools, equipment, and material necessary or incidental to restoring grass or lawn areas. Work elements will include, but shall not be limited to, providing, applying, grading, and compacting topsoil; seed bed preparation; seeding, fertilizing, and mulching; watering; and maintaining.

“Bark or Wood Chip Mulch”, per square yard

The unit Contract price for “Bark or Wood Chip Mulch” shall be full pay for furnishing and spreading the mulch onto the existing soil. Backfilling excavated areas to within approximately 4 inches of finished grade prior to mulch placement shall be included in the “Bark or Wood Chip Mulch” unit price.

“Property Restoration”, Force Account

The Contract Bid item “Property Restoration” shall be used to satisfactorily complete restoration activities behind the back of curb, edge of pavement or back of walk that may be necessary but could not be foreseen prior to construction. This Bid Item shall not apply to demolition/restoration activities for which there is a specific Bid Item or work for which there will be no measurement and payment such as construction of and restoring staging areas.

## **8-03 IRRIGATION SYSTEM**

### **8-03.1 Description**

Section 8-03.1 is supplemented with the following:

The work described in this section includes modifying existing private irrigation system, including cutting and capping of lateral lines and main lines as required, relocating existing irrigation heads and furnishing new pipe to reconnect the system and ensure full coverage.

### **8-03.2 Materials**

Section 8-03.2 is supplemented with the following:

Materials shall meet the requirements of the following sections:

Irrigation System 9-15 of the Standard Specifications

### **8-03.3 Construction Requirements**

Section 8-03.3 is supplemented with the following:

Protection of Unfinished Work: Provide protection at all times ample to keep rock, dirt, gravel, debris, and other foreign materials from entering piping, valves, and other irrigation equipment.

Utilities: Contractor shall confirm existence and location of all existing utilities and newly installed utilities prior to the commencement of work.

Inspection: Cover or enclose work only after it has been inspected and tested. Private sprinkler irrigation system in conflict with the project work shall be modified as necessary to ensure satisfactory operation upon completion of the improvements. This work will include, but not be limited to, cutting and capping existing pipe, relocating existing risers and sprinkler heads, if necessary, new pipe heads and connections, and testing of the system. All work, including repair and replacement of damaged piping and sprinkler heads during construction,

shall be done in conformance to the specifications and shall be paid by force account under Property Restoration.

### **8-03.3(1) Layout of Irrigation System**

Section 8-03.3(1) is supplemented with the following:

The Contractor shall make any and all required adjustments to the irrigation heads to assure complete and adequate coverage with minimal overspray.

### **8-03.3(4) Jointing**

Section 8-03.3(4) is supplemented with the following:

Contractor shall use a plastic cement primer before gluing each joint and fitting. Contractor shall use both Teflon tape and thread sealing compound on all threaded fittings on main line and valve assemblies.

Contractor shall use a heavy bodied plastic pipe cement on all joints and fittings 2 inches and larger. Contractor shall use a medium bodied plastic pipe cement on joints and fittings under 2 inches.

In Section 8-03.3(4), the third paragraph is supplemented with the following:

Solvent weld PVC pipe only during non-freezing weather and cover in rainy weather.

### **8-03.3(7) Flushing and Testing**

Section 8-03.3(7) is supplemented with the following:

The Contractor shall notify the Engineer at least 24 hours prior to test, and conduct testing in the presence of Engineer. The Contractor shall provide all necessary equipment and shall perform all work connected with the test.

### **8-03.3(11) System Operation**

Section 8-03.3(11) is supplemented with the following:

The Contractor shall advise the Engineer at least 48 hours before pressure tests are to be conducted and shall have the approval of the Engineer before backfilling. Irrigation main lines must withstand a pressure test of 150 psi for five minutes, lateral lines a test of 80 psi for five minutes, and the system must pass an electrical resistance test.

Before the irrigation system modifications will be accepted, the Contractor, in the presence of the Engineer, shall perform a water coverage test to determine if the water coverage is complete and satisfactory. If any part of the modified system does not provide complete coverage or oversprays onto paved surface, the Contractor shall adjust the heads as necessary.

All backfilled trenches shall be repaired, including restoration of plant materials. Repairs shall be paid for by under by force account under Property Restoration.

Add the following new subsection:

**8-03.3(15) Clean-Up**

The Contractor shall keep premises reasonably free from accumulation of debris. On completion of each division of work, the Contractor shall remove all debris, equipment and surplus materials and leave the project site in a neat and orderly fashion.

**8-03.5 Payment**

Section 8-03.5 is supplemented with the following:

Modifications to and restoration of existing private irrigation system will be paid by force account under the item for "Property Restoration".

**8-04 CURBS, GUTTERS, AND SPILLWAYS**

**8-04.2 Materials**

Section 8-04.2 is supplemented with the following:

Cement concrete curbs, curbs and gutters, traffic curb and extruded curb shall be constructed with 3000 psi commercial concrete.

**8-04.3 Construction Requirements**

Section 8-04.3 is supplemented with the following:

When curb elevations in replacement areas are not shown on the Contract Drawings it is the intent to have the new curb follow the existing alignment, while providing positive drainage. The Contractor shall reference the location of the existing curb and gutter prior to removal. The Contractor shall set the forms (or string line) to grade and request approval from the Engineer 24-hours prior to curb placement. The Engineer may require small (3-inches or less) adjustments in the vertical alignment as required to provide a smooth alignment and drainage. Adjustments will be made at no additional cost to the County.

The curb shall be protected against damage or defacement of any kind until it has been accepted by the County Construction Inspector. Work that is not acceptable to the County Construction Inspector because of damage or defacement shall be removed and replaced by the Contractor at their own expense.

#### **8-04.4 Measurement**

Section 8-04.4 is supplemented with the following:

Pedestrian curbs shall not be measured for payment, but shall be included in the unit price for the curb ramp, or other improvement, with which it is associated.

Adjusting catch basin frame and grate will be measured and paid for as "Adjust Existing Utility to Grade" per Section 2-02 when catch basin frame and grate adjustment is necessary to provide positive drainage in the catch basin apron removal areas. Catch basin frame and grate adjustments will be paid only when authorized in advance by the Engineer.

### **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**

#### **8-06.1 Description**

Section 8-06.1 is supplemented with the following:

This work shall consist of constructing Cement Concrete Driveway Entrance and Cement Conc. Road Approach per Kitsap County Standard Detail Fig 4-3.

#### **8-06.3 Construction Requirements**

Delete the first sentence of the third paragraph and replace with the following:

Unless a property has two or more approaches located within their property lines, driveway entrances shall be constructed in two or more segments to permit continuous access to the property.

Section 8-06.3 is supplemented with the following:

Cement concrete driveway approaches shall be constructed with a 4000 psi, air entrained concrete 3-Day mix conforming to the requirements of Section 6-02 or Portland Cement Concrete Pavement conforming to the requirements of Section 5-05.

The Contractor shall provide driveway access at all times unless prior approval is given from the Engineer. The Contractor shall use steel plates to bridge entrances or construct driveways in passable sections. See Section 1-07.23 for additional information regarding property notification.

Contractor shall set all concrete forms, check for ADA Compliance and then obtain written approval from the Engineer for each driveway, stating that the forms at each driveway appear to meet ADA requirements, 24 hours prior to placement of concrete.

#### **8-06.4 Measurement**

Section 8-06.4 is supplemented with the following:

Commercial Conc. Driveway, 3-Day Mix will be measured by the square yard from the back of curb to the Cement Conc. Road Approach.

Commercial Conc. Road Approach, 3-Day Mix will be measured by the square yard of finished surface from the back of Commercial Conc. Driveway to the limits of construction as shown on the Plans.

#### **8-06.5 Payment**

Section 8-06.5 is supplemented with the following:

“Commercial Conc. Driveway, 3-Day Mix”, per square yard

The unit Bid price in the Proposal will be full compensation for the costs of all labor, tools, materials, and equipment necessary to construct each driveway entrance to the limits specified on the Plans.

"Commercial Conc. Road Approach, 3-Day Mix", per square yard.

The unit contract price per square yard of Cement Conc. Road Approach shall be full compensation for all costs, including furnishing and placing Commercial Concrete and Crushed Surfacing, labor, hauling, compaction and all other costs incurred to carry out the requirements of Section 5-05 and 6-02. Approach excavation and embankment compaction of approach subgrade will be paid for under “Roadway Excavation Including Haul” and “Embankment Compaction” in Section 2-03.

Adjustment to the formwork should be anticipated. All cost associated with these adjustment shall be included in the unit contract bid price.

Cement Concrete curb when shown installed with a driveway shall be included in the cost of the driveway installation.

## **8-07 PRECAST TRAFFIC CURB**

### **8-07.1 Description**

Section 8-07.1 is supplemented with the following:

This Work shall also consist of painting new precast traffic curb.

### **8-07.5 Payment**

Section 8-07.5 is supplemented with the following:

Painting of new Precast Traffic curb including preparing and cleaning precast traffic curb shall be included in the cost of installation of "Precast Dual Faced Sloped Mountable Curb"

## **8-13 MONUMENT CASES**

### **8-13.1 Description**

Replace Section 8-13.1 with the following:

This Work consists of placing monuments, cases, and covers and adjusting existing monument cases and covers, as shown on the Plans and in accordance with the Kitsap County Road Standards, the Standard Plans, the Standard Specifications, these Special Provisions, and in conformity with the lines and locations shown in the Plans or as staked.

The Contracting Agency will be responsible for furnishing the monuments, cases and covers, obtaining the required permits, surveying, and recording requirements for removed, adjusted and replaced monuments.

### **8-13.3 Construction Requirements**

Supplement Section 18-3.3 with the following:

The Contractor, prior to beginning paving and planing operations shall coordinate with the Contracting Agency to reference all monuments within the project limits in advance of construction. The Contractor shall carefully protect all reference points to the monuments until such time the monuments can be verified as not to have been disturbed or have been reset.

If existing monuments are to be disturbed by the Contractor in the process of planing or paving, the Contractor shall coordinate with the Contracting Agency to perpetuate and document existing monuments in compliance with the Application for Permit to Remove or Destroy a Survey monument (WAC 332-120). The



disturbed monuments will be reset by the Contractor as directed by the Contracting Agency. All associated costs will be borne solely by the Contractor.

The Contractor shall coordinate the delivery of the monument, case, and cover and request monument location with the Contracting Agency. Once the casing locations have been identified in the field, the Contractor shall core drill, excavate and set the casing centered and plumb as shown on the Plans and on Figure 8-1 in the Kitsap County Road Standards or as directed by the Contracting Agency.

The Contracting Agency will be responsible for punching the monument. The Contractor shall be responsible for providing traffic control during the work.

#### **8-13.4 Measurement**

Replace the first paragraph of Section 8-13.4 with the following:

Measurement of monument case and cover will be by the unit for each monument, case, and cover set.

#### **8-13.5 Payment**

Section 8-13.5 is supplemented with the following:

“Monument Case and Cover”, per each.

The unit Contract price per each for “Monument Case and Cover” shall be full payment for all labor, tools, and equipment, necessary or incidental to coordinate with and install furnished monument, case, and cover. Work elements may include, but shall not be limited to, asphalt removal, excavation, asphalt collar, and all coordination necessary with the Contracting Agency to reference and protect existing monuments and locate monument casing.

### **8-14 CEMENT CONCRETE SIDEWALK**

#### **8-14.1 Description**

Section 8-14.1 is revised to read:

This Work consists of constructing cement concrete sidewalks and curb ramps in accordance with details shown in the Plans, Standard Plans, these Specifications, and in conformity to the lines and grades shown in the Plans, and as established by the Engineer.

### 8-14.3 Construction Requirements

Section 8-14.3 is supplemented with the following:

(October 3, 2022 WSDOT GSP)

The Contractor shall request a pre-construction meeting with the Engineer to be held two to five working days before any work can start on cement concrete sidewalks, curb ramps or other pedestrian access routes to discuss construction requirements. Those attending shall include:

1. The Contractor and subcontractor in charge of constructing forms, and placing, and finishing the cement concrete.
2. Engineer (or representative) and Project Inspectors for the cement concrete sidewalk, curb ramp or pedestrian access route Work.

Items to be discussed in this meeting shall include, at a minimum, the following:

1. Slopes shown on the Plans.
2. Inspection
3. Traffic control
4. Pedestrian control, access routes and delineation
5. Accommodating utilities
6. Form work
7. Installation of detectable warning surfaces
8. Contractor ADA survey and ADA Feature as-built requirements
9. Cold Weather Protection

(January 7, 2019 WSDOT GSP)

#### **Timing Restrictions**

Curb ramps shall be constructed on one leg of the intersection at a time. The curb ramps shall be completed and open to traffic within five calendar days before construction can begin on another leg of the intersection unless otherwise allowed by the Engineer. Unless otherwise allowed by the Engineer, the five calendar day time restriction begins when an existing curb ramp for the quadrant or traffic island/median is closed to pedestrian use and ends when the quadrant or traffic island/median is fully functional and open for pedestrian access.

(January 7, 2019 WSDOT GSP)

#### **Layout and Conformance to Grades**

Using the information provided in the Contract documents, the Contractor shall lay out, grade, and form each new curb ramp, sidewalk, and curb and gutter.

### **8-14.3(5) Detectable Warning Surface**

Section 8-14.3(5) is supplemented with the following:

Whenever Detectable Warning Surfaces which are to be installed with curb ramps that are located on a curve, the Contractor shall provide a radius detectable warning surface (manufactured specifically to be installed on the specified radius) that matches the radius of the curb, if a commercially available radius detectable warning surface is not available for a specified radius, the Contractor shall submit a plan to the Engineer for cutting the detectable warning surface to match the radius. In any case, detectable warning system placement and orientation shall comply with WSDOT standard plan F-45.10-02.

Add the following new sections:

### **8-14.3(6) Curb Ramps**

Some of the curb ramps on this project have been modified from the standard details to fit the project conditions while meeting current ADA requirements. Contractor shall take special care to ensure that the ramps are constructed in conformance with ADA requirements.

Compliance with ADA Standards is of utmost importance and minor modifications to the dimensions shown on the Plans may be required to meet current standards. Therefore, prior to pouring concrete at the curb ramp locations, the Contractor shall have the forms at each ramp inspected and receive written approval from the on-site inspector that the forms are set in compliance with ADA Standards. Ramps poured without written approval that do not meet current ADA standards shall be removed and replaced at the Contractors expense, regardless of whether or not they conform to the dimensions shown on the Plans.

### **8-14.5 Payment**

Section 8-14.5 is supplemented with the following:

Pedestrian curbs shall not be measured for payment, but shall be included in the unit price for the curb ramp, or other improvement, with which it is associated.

## **8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS AND ELECTRICAL**

### **8-20.1 Description**

Section 8-20.1 is supplemented with the following:

Equipment to be installed is located by station and offset in the plans. These locations may be adjusted in the field by the Engineer, if necessary, to interface with other improvements or existing conditions.

Work included furnishing and installing all materials necessary to provide:

- Modification of Traffic Signal System at the intersection of Silverdale Way NW & Kitsap Mall Blvd
- Modification of Traffic Signal System at the intersection of Silverdale Way NW & Mall Entrance
- Modification of Traffic Signal System at the intersection of Silverdale Way NW & NW Randall Way
- Modification of Traffic Signal System at the intersection of NW Bucklin Hill Rd & Silverdale Plaza

This work involves, but shall not be limited to, the supply, testing and installation of the following:

- Signal Poles and Foundations
- Signal Controller Modifications
- New Vehicle Signal Heads
- New APS Pedestrian Push Buttons
- Relocation of Existing Mast Arm Signal Pole
- Salvaging and Re-installation of Existing Materials
- Junction Boxes
- Conduit and Wiring
- Temporary Portable Traffic Signal

#### **8-20.1(1) Regulations and Code**

Section 8-20.1(1) is supplemented with the following subsection:

All requirements of the Washington State Department of Labor and Industries and Puget Sound Energy shall be incorporated into the project. It shall be the Contractor's responsibility to determine these requirements and to coordinate all inspections.

#### **8-20.1(6) Errors and Omissions**

Section 8.20-1(6) is added as follows:

The Contractor shall immediately notify the Engineer upon discovery of any errors or omissions in the Contract Documents, in the layout as given by survey points and instructions, or of any discrepancy between the Contract Documents and the physical conditions of the locality. If deemed necessary, the Engineer shall rectify the matter and advise the Contractor accordingly. Any work done

after such discovery without authorization by the Engineer will be done at the Contractor's risk.

## **8-20.2 Materials**

Section 8-20.2 is supplemented with the following:

### **Delivery to the County**

The following equipment shall be delivered to Kitsap County at the address provided below:

- The existing traffic signal controller cabinet and all internal equipment,
- The existing electrical service cabinet/battery backup system,
- All existing video detection cameras,
- All existing luminaires,
- All spare equipment and equipment requiring testing,

Kitsap County Signal Shop  
Public Works Annex  
8600 SW Imperial Way  
Bremerton, WA 98312  
Contact: Daren Miller  
Telephone: 360.337.5777, ext. 5710

The Contractor shall provide notice a minimum of five working days prior to delivery of any materials.

### **Removed Equipment**

All existing electrical equipment and materials designated to be removed shall become the property of the Contractor and be removed from the project unless otherwise directed by the Engineer.

## **8-20.2(1) Equipment List and Drawings**

Section 8-20.2(1) is supplemented with the following:

All equipment shall be submitted for approval by the Engineer prior to ordering the equipment. All materials for review shall be incorporated in a single submittal. Materials not approved by the Engineer will not be permitted on the jobsite.

Approval of shop drawings may require up to 14 calendar days from the date the Engineer receives the shop drawings until they are returned to the Contractor. The actual time required for approval is dependent upon the completeness and appropriateness of the shop drawings as submitted.

Any deficiencies will require additional time for approval based on the degree of the deficiency and the additional review time required. If the shop drawings are returned to the Contractor to correct deficiencies, an additional 14 calendar days may be required for the approval process.

If more than 14 calendar days are required for routine approval of shop drawings that are completed and accurate, the Contractor will be granted an extension of time equal to the additional review time.

The supplier shall furnish to the County any guarantee or warranty furnished as a normal trade practice in connection with any equipment supplied for this Contract.

### **8-20.3 Construction Requirements**

#### **8-20.3(1) General**

Section 8-20.3(1) is supplemented with the following:

##### **Product Handling**

All equipment shall be handled and protected so as to prevent damage. Damaged equipment, if any, shall be repaired or replaced by the Contractor to the satisfaction of the Engineer at no additional cost to the Owner.

#### **8-20.3(2) Excavating and Backfilling**

Section 8-20.3(2) is supplemented with the following:

Underground utilities of record are shown on the construction plans insofar as information is available. These, however, are shown for convenience only and the Owner assumes no responsibility for improper locations or failure to show utility locations on the construction plans.

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

The contractor shall pothole for underground utility conflicts at each proposed signal pole foundation, as well as all existing utilities crossing proposed trenches prior to excavation.

Potholing of conflicting utilities shall be required for all directional boring operations.

The Contractor shall be entirely responsible for coordination with the utility companies and arranging for the movement or adjustment, either temporary or permanent, of their facilities within the project limits.

If a conflict is identified, the Contractor shall contact the Engineer. The Contractor and Owner shall locate alternative locations for poles, cabinet, or junction boxes. The Contractor shall get approval from the Engineer prior to installation. The Contractor may consider changing depth or alignment of conduit to avoid utility conflicts.

Before beginning any excavation work for foundations, vaults, junction boxes or conduit runs, the contractor shall confirm that the location proposed on the Contract Plans does not conflict with utility location markings placed on the surface by the various utility companies. If a conflict is identified, the following process shall be used to resolve the conflict:

1. Contact the Engineer and determine if there is an alternative location for the foundation, junction box, vault or conduit trench.
2. If an adequate alternate location is not obvious for the underground work, select a location that may be acceptable and pothole to determine the exact location of other utilities. Potholing must be approved by the Engineer.
3. If an adequate alternate alignment still cannot be identified following potholing operations, the pothole area should be restored and work in the area should stop until a new design can be developed.

The Contractor shall not attempt to adjust the location of an existing utility unless specifically agreed to by the utility owner.

All conduit will be installed by open trench unless otherwise approved by the Engineer.

Where the trench is located under the roadway or shoulder, all backfill shall consist of crushed surfacing top course meeting the requirements of Section 9-03.9(3) of the Standard Specifications. Backfill for all other trenches may consist of suitable native material from the excavation if approved by the Engineer; otherwise, backfill shall be the same as specified for trenches under the roadway.

All backfill shall be mechanically compacted by a power-operated mechanical tamper or other mechanical compaction device approved by the Engineer. All trenches to be restored shall be compacted as specified in Section 2-03.3(14)C, Method C, of the Standard Specifications. The temporary restoration of conduit trenches shall be as directed by the Engineer. All costs for temporary trench restoration shall be included in the lump sum bid item and no additional measurement shall be made.

## 8-20.3(4) Foundations

Section 8-20.3(4) is supplemented with the following:

Each concrete foundation shall be constructed in a single pour.

Anchor bolts shall be positioned horizontally and vertically prior to final set of the concrete. All concrete on the anchor bolts shall be immediately removed following pouring of the foundation. Conduits shall be temporarily capped during the pour to prevent concrete from entering.

The void between the foundation and the pole flange shall be no larger than 4 inches and shall be completely filled around the conduit(s) with dry pack mortar and neatly troweled. A ½ inch diameter, plastic drain pipe shall be install in all structures to provide drainage from the pole base. The plastic drain pipe shall be neatly trimmed flush with the surfaces.

All foundations installed in the sidewalk or ramp area shall be poured to the bottom of the sidewalk or ramp. The sidewalk or ramp shall be installed in a separate pour.

All foundations installed at the back of the sidewalk shall be poured to the elevation of the back of sidewalk.

All foundations not in sidewalk or ramp areas shall be poured to the elevation of the adjacent ground and shall have a 4-inch thick cement concrete square collar formed around the top of the foundation and extending out two feet from the pole centerline.

All concrete foundations shall be installed at locations per stationing on the Plans. Pole locations shall be staked by the Contractor and locations shall be field verified and approved by the Engineer in the field prior to excavation.

(April 6, 2015, WSDOT GSP)

### **Traffic Signal Standard Foundation Shaft Casing**

All permanent casing shall be a smooth wall non corrugated structure of steel base metal. All permanent casing shall be of ample strength to resist damage and deformation from transportation and handling, installation stresses, and all pressures and forces acting on the casing. The casing shall be clean prior to placement in the excavation. The permanent casing may be telescoped, but the outside diameter of the casing shall not be less than the specified diameter of the shaft.



*(August 7, 2017, WSDOT GSP)*

## **Shafts For Signal Standard Foundations**

Shaft foundations for traffic signal standards shall be constructed in accordance with Section 6-19.3, except as follows:

### Quality Assurance

The tolerance for placing the center at the top of shaft under Section 6-19.3(1)A is revised for traffic signal standard foundation shafts to be within 4 inches of the Plan location.

Non-destructive testing of shafts under Sections 6-19.3(1)B and 6-19.3(9) and associated Work under Section 6-19.3(6) does not apply.

### Shaft Excavation

Permanent casing advanced during excavation operations is required full depth for all traffic signal standard shaft foundation locations specified at the beginning of this Special Provision. Excavation in advance of the casing tip shall not exceed three feet. In no case shall shaft excavation and casing placement extend below the bottom of shaft excavation as shown in the Plans.

When efforts to advance past the obstruction to the design shaft tip elevation result in the rate of advance of the shaft drilling equipment being significantly reduced relative to the rate of advance for the portion of the shaft excavation in the geological unit that contains the obstruction, then the Contractor shall remove, break-up, or push aside, the obstruction under the provisions of Section 8-20.5 as supplemented in these Special Provisions.

Drilling slurry is required to stabilize excavations at all signal pole locations. The height of the slurry shall be as required to maintain a stable hole to prevent bottom heave, caving, or sloughing of all unstable zones.

### Placing Concrete

Traffic signal standard foundation shaft concrete shall be Class 4000P.

The Contractor shall place the concrete by pressure feed tremie using a concrete pump at all signal pole locations. Concrete placement by gravity feed is not allowed. The concrete placement shall be continuous until the work is completed, resulting in a seamless, uniform shaft.

### Casing Removal

Tops of permanent casing for the shafts shall be removed to at least 6-inches beneath the finish groundline, unless otherwise specified by the Engineer.

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

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

Section 8-20.3(5)A is supplemented with the following:

Each conduit run shall contain a 200-pound breaking strength polyolefin pull cord, which shall be tied off at both ends.

All conduit installed underground shall have polyethylene underground hazard marking tape, 6 inches wide, red, legend "Caution-Electric Line Buried Below," placed approximately 12 inches above the conduit.

### **8-20.3(5)A3 Damaged or Blocked Conduits**

Section 8-20.3(5)A3 is added as follows:

Damaged or blocked conduits shall be repaired by the Contractor. The Contractor shall attempt to remove debris in the conduit by blowing in air. The Contractor shall be careful not to blow air towards the service or controller cabinet. If the blockage doesn't break free, the Contractor shall identify the potential blocked/damaged location using a fish tape. Once the blockage location is identified, the Contractor shall attempt to remove the existing cabling (if any) from the conduit. If the cabling is removed, the Contractor shall attempt to pass a fish tape through the conduit again. If the fish tape passes through the conduit past the identified blockage point easily, the Contractor shall attempt to reinstall all existing cabling along with the new cabling called out in the Contract Plans.

If the existing cabling cannot be removed, or reinstalled after removal, the Contractor shall excavate down to the conduit blockage point and repair the conduit break. The Contractor shall obtain approval from the Engineer prior to removing existing cabling or beginning excavation. All cabling shall be removed from the conduit prior to repairing the broken conduit. Once the conduit is repaired, the Contractor shall restore the disturbed area. The removal of cable, excavation, conduit repair, and surface restoration will be paid for by change order or Minor Change as determined by the Engineer. The cost for other work needed to identify and remedy blocked conduits as described in this Section shall be incidental.

### **8-20.3(5)B Conduit Type**

The second paragraph of Section 8-20.3(5)B is supplemented with the following:

5. All conduit installed above ground.
6. All conduit between the service cabinet and the service pole or vault.
7. All conduit between the nearest junction box and a pole or cabinet foundation.

8. All conduit 90° bends.

Section 8-20.3(5)B is supplemented with the following:

Rigid PVC Schedule 80 shall be installed at the following locations:

1. All conduit under roadways or shoulders.

Rigid PVC Schedule 40 shall be installed at the following locations:

1. All other locations except as noted above.

### **8-20.3(6) Junction Boxes, Cable Vaults, and Pull Boxes**

Section 8-20.3(6) is supplemented with the following:

All junction boxes placed out of the sidewalk area shall have a 2-inch thick cement concrete collar constructed around the box. The collar shall extend 4 inches out from the box, except where the box is located at the back of sidewalk in which case the collar shall abut and be flush with the back of sidewalk.

All junction boxes placed in the sidewalk area shall have a non-slip surface meeting the requirements of Section 9-29.2(1)A of these Special Provisions.

### **8-20.3(8) Wiring**

Delete the first sentence of the thirteenth paragraph and replace with the following:

All wiring, shall be labeled in all junction boxes, pull boxes, cable vaults, and cabinets.

Section 8-20.3(8) is supplemented with the following:

The unfused service wires between the Puget Sound Energy transformer pole and the service cabinet shall be labeled "Unfused Service" at all terminal ends.

Wire marking sleeves shall be white polyvinyl chloride as manufactured by BID, BRADY, NATVAR, FIOYTAG (FT200C), or TandM (SM Series) or approved equivalent.

#### **Cabinet Wiring**

All wiring, cable, and cords within cabinets shall be neatly bundled and secured with nylon ties. Wiring, cable, and cords shall be secured to rack frames or cable trays as appropriate.

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

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

Section 8-20.3(9) is supplemented with the following:

Contractor shall provide and install bonding and grounding wires as described in Standard Specifications and the National Electric Code for any modified existing junction boxes that are not properly bonded/grounded. For the purposes of this section, a box shall be considered “modified” if new cables (including current-carrying conductors and/or low-voltage cables) are installed.

### **8-20.3(11) Testing**

Section 8-20.3(11) is supplemented with the following:

Prior to scheduling a turn-on date, the Contractor shall verify with the Engineer that:

1. Field Test Nos. 1, 2, and 3, as specified in Section 8-20.3(11), have been completed.
2. All other field tests specified in Section 8-20.3(14)D have been completed.
3. A W20-903 sign (SIGNAL REVISION AHEAD) has been installed on each approach of the intersection. The 48-inch by 48-inch signs shall be furnished by the County and the 4-inch by 4-inch wood posts shall be furnished by the Contractor. The posts and signs shall become the property of the County.
4. The Contractor shall give notice of the turn-on date and time to the Engineer 5 working days in advance of said date.
5. The illumination system shall be energized.

Traffic signal turn-on procedures shall not commence until:

1. All required channelization, crosswalks, stop bars, and pavement markings have been installed.
2. All required signs have been installed.

Prior to turn-on, the Contractor shall perform Field Test No.4 in the presence of County electronics technicians and electrical inspectors. The Contractor shall coordinate turn-on dates with Kitsap County.

Field Test No. 4 shall proceed as follows:

1. Turn on the signal system to its flash mode to verify proper flash indications.
2. Stop all traffic from entering the intersection.
3. Allow the signal system to cycle through no less than one full signal cycle to verify proper signal operation.

Based on the outcome of Field Test No. 4, the Engineer will order the Contractor to take one of the following actions:

1. Turn on the signal system to normal cycling operation.
2. Set the signal system to its flash mode for a period not exceeding 5 calendar days.
3. Turn off power to the signal system and cover all signal displays with black opaque material.

If Action 3 is taken, the Contractor shall schedule a new turn-on date with the Engineer following the procedures given herein. Following turn-on, all conflicting signs shall be removed as ordered by the Engineer. Turn-on to normal cycling operation shall be completed prior to 2:00 p.m.; however, no turn-on will be allowed on Fridays, weekends, holidays, or the day preceding a holiday.

### **8-20.3(14) Signal Systems**

#### **8-20.3(14)B Signal Heads**

Section 8-20.3(14)B is supplemented with the following:

Alignment of vehicular and pedestrian signal heads shall be approved by Kitsap County prior to system turn-on.

All new vehicular and pedestrian signal heads shall be covered (sacked) completely with a 6-mil black polyethylene sheeting until placed into initial operation.

The type of mounting hardware specified for the mast arm mounted vehicle signals may require modification at the time of installation to accommodate as-built conditions. After the pole assembly has been installed and leveled, the Contractor shall measure the distance between each mounting point on the arm and the Roadway. The type of mounting shall be modified, if necessary, to achieve the following criteria:

1. Red indications shall be in as straight a line as possible.

2. The bottom of the housing shall be within the limits indicated in the Plans.

The Contractor shall provide and install the correct type of mounting to achieve the criteria noted above at no additional expense to the Contracting Agency.

All vehicle signal heads shall be plumbed and adjusted such that a person standing a distance in feet equal to four times the speed limit in MPH from the stop bar shall see the brightest image of the red section.

### **8-20.3(14)E Signal Standards**

Section 8-20.3(14)E is supplemented with the following:

After delivering the poles or arms to the job site and before they are installed, they shall be stored in a place that will not inconvenience the public. All poles and arms shall be installed in compliance with Washington State Utility and Electrical Codes.

The poles shall be installed on leveling nuts and washers secured to the anchor bolts and with locking nuts and washers on the top of the base flange. The side of the shaft opposite the load shall be plumbed by adjusting the leveling nuts or as otherwise directed by the Engineer. A barrier shall be placed around the anchor bolts to prevent grout from entering the conduits.

Add the following new subsections:

### **8-20.3(18) Pedestrian Push Button Assembly**

The Contractor shall provide and install the APS type pedestrian push buttons and signs on the signal poles. All mountings shall be securely fastened and approved by the Engineer. The position of the pedestrian push buttons shall be adjacent to a flat surface, located so that each point at the crosswalk which the button is intended to serve; however, final positioning for the optimum effectiveness shall be approved by the Engineer.

Push button assemblies mounted on metal arm extensions shall be mounted per push button assembly manufacture's recommendations and a direction shall be verified in the field with the Engineer.

#### **8-20.4 Measurement**

This section is revised to read:

When shown as Lump Sum in the proposal as “Traffic Signal System Modifications, \_\_\_\_\_, Complete,” no specific unit of measurement will apply, but measurement will be for the sum total of all items for a complete system to be furnished and installed.

Surface restoration (regardless of surfacing type) for areas disturbed by activities associated with installing Traffic Signal System equipment per this Section and not otherwise called out for replacement or in excess of the limits shown in the Site Preparation, Roadway and/or Intersection Plans, shall be included in the respective lump sum price and no additional measurements shall be made.

Restoration of facilities destroyed or damaged during construction shall be considered incidental to the bid items included in this section and no additional compensation will be made.

#### **8-20.5 Payment**

Section 8-20.5 is supplemented with the following:

“Traffic Signal System Modifications, Silverdale Plaza, Complete”, Lump Sum

“Traffic Signal System Modifications, Kitsap Mall Blvd NW, Complete”, Lump Sum

“Traffic Signal System Modifications, Kitsap Mall Entrance, Complete”, Lump Sum

“Traffic Signal System Modifications, NW Randall Way, Complete”, Lump Sum

Replace the fourth paragraph to read as follows:

The lump sum Contract price for “Traffic Signal System Modifications, \_\_\_\_\_ Complete”, shall be full pay for the construction of the complete electrical system, modifying existing systems, or both, including as described above and as shown in the Plans, and herein specified, including excavation, backfilling, restoration, concrete foundations, traffic signal poles, vehicle and pedestrian signal heads, APS push button assemblies, mast arm mounted signs, junction boxes, conduit, wiring, restoring facilities destroyed or damaged during construction, salvaging existing materials, re-installing existing materials, and for making all required tests. All additional materials and labor, not shown in the Plans or called for herein and which are required to complete the electrical system, shall be included in the lump sum Contract price.

## **8-23 TEMPORARY PAVEMENT MARKINGS**

### **8-23.4 Measurement**

Delete this section and replace with the following:

Installation, removal, and reconfiguration of temporary pavement markings as needed to maintain traffic and inform the traveling public shall be considered essential to the project and shall not be measured for payment but shall instead be included in the unit cost of HMA.

## **8-27 VACANT**

Section 8-27, including title, is deleted and replaced with the following:

### **8-27 FIELD OFFICE BUILDING**

#### **8-27.1 Description**

This work shall consist of furnishing and setting-up a temporary office building for the sole use of the Contracting Agency.

#### **8-27.3 Construction Requirements**

The Contractor shall provide a field office on or adjacent to the Project Site for the use of the Engineer's staff within five (5) Calendar Days from the Notice to Proceed Date. The field office, its location, and an alternate date if necessary, shall be subject to the approval of the Engineer and shall be established at the pre-construction meeting.

The building shall be weather-tight, installed plumb and level, and provided with the following as a minimum:

1. 120 square feet of floor space
2. Above ground floor
3. Heat and Airconditioning
4. Electric lights
5. Adequate windows
6. Plan table: 3 feet 6 inches deep by 6 feet wide by 3 feet 3 inches high
7. Drafting stool
8. Four chairs
9. Cylinder door lock and six keys
10. Sanitary facilities (unless existing facilities are available)
11. Internet connection with Wifi router

The building shall remain the property of the Contractor and removed from the site upon physical completion of the contract, or when designated by the Engineer.



### **8-27.5 Payment**

Payment will be made for the following bid item when included in the proposal:

"Field Office Building", lump sum.

The lump sum contract price for "Field Office Building" shall be full pay for furnishing, installing, maintaining, and removing the facility, including all costs associated with all required utility hook-ups and disconnects, and monthly utility charges for all utilities except telephone.

The monthly telephone costs will be paid by the Contracting Agency.

**END OF DIVISION 8**

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## DIVISION 9 MATERIALS

### 9-03 AGGREGATES

#### 9-03.8 Aggregates for Hot Mix Asphalt

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

Section 9-03.8(2) is supplemented with the following:

##### **ESAL's**

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

##### 9-03.8(7) HMA Tolerances and Adjustments

Section 9-03.8(7) is supplemented with the following:

Delete item 1 and replace with:

1. Job Mix Formula Tolerances. After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	<b>Nonstatistical Evaluation</b>	<b>Commercial Evaluation</b>
	<b>Aggregate, percent passing</b>	
1", ¾", ½" and ⅜" sieves	±6.0%	±8.0%
U.S. No. 4 sieve	±6.0%	±8.0%
U.S. No. 8 sieve	±6.0%	±8.0%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%
Air Voids	2.5% Minimum and 5.5% Maximum	

**9-03.14 Borrow**

Add the following new subsection:

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

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

<b>Sieve Size</b>	<b>Percent Passing</b>
3 in	100
1.5 in	70-100
3/4 in.	50-85
No. 4	30-60
No. 40	8-24
No. 200	3-10
Sand Equivalent	35 Min.

**9-03.21 Recycled Materials**

Section 9-03.21 is supplemented with the following:

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

**9-05 DRAINAGE STRUCTURES AND CULVERTS**

**9-05.15 Metal Casings**

**9-05.15(1) Manhole Ring and Cover**

Section 9-05.15(1) is supplemented with the following:

All covers shall be interchangeable within the dimensions shown on the Drawings. All mating surfaces shall be machine finished to ensure a non-rocking fit. Sanitary and storm sewer manholes frames and covers shall have the words "KITSAP SEWER" or "KITSAP STORM" cast into the top surface of the cover and shall be the bolt down and locking type and size as shown on the Plans. Covers shall contain integral heavy duty cam locks with 1/4" round neoprene gaskets. Cam lock wrench shall only be removable when the cover is in the locked position. Subject to compliance with the contract documents the following manufacturers are acceptable:

1. EJ Group, Inc.

2. Neenah Foundry.
3. Deeter Foundry.
4. Olympic Foundry.
5. Approved Equal, shall be determined based on requirements within this section, materials specifications, and conformity with the dimensions and custom logo design provided on the Kitsap County Standard Details.

**9-14 EROSION CONTROL AND ROADSIDE PLANTING**

**9-14.2 Topsoil**

**9-14.2(1) Topsoil Type A**

Section 9-14.2(1) is supplemented with the following:

*(September 12, 2019 WSDOT NWR GSP)*

Topsoil Type A shall consist of a uniform blend composed by volume of 60 percent to 70 percent Sandy Loam and 30 percent to 40 percent Fine Compost.

**Sandy Loam**

Sandy Loam shall be as defined by the US Department of Agriculture Natural Resource Conservation Services Soil Texture Triangle. Testing shall be performed by a Washington State Department of Ecology accredited testing laboratory approved through the North American Proficiency Testing Performance Assessment Program (NAPT-PAP) on a sample size of no less than 2 pounds. Testing shall not occur more than 90 days prior to installation and shall be submitted to the Engineer for approval a minimum of 14 calendar days prior to use or installation. The Sandy Loam analysis shall meet the following requirements:

<b>Tested Item</b>	<b>Method*</b>	<b>Units</b>	<b>Specification Range</b>
pH 1:1	S-2.20	S.U.	5.5 – 7.5
E.C. 1:1	S-2.20	mmhos/cm	≤ 2
Nitrate Nitrogen	S-3.10	mg/Kg	***
Ammonium Nitrogen	S-3.50	mg/Kg	***
Organic Matter	S-9.10	%	3 – 10
Phosphorus (P)	S-4.20 (Bray)	mg/Kg	***
Calcium (Ca)	S-5.10 (NH4OAC)	meq/100g	***

Tested Item	Method*	Units	Specification Range
Magnesium (Mg)	S-5.10 (NH4OAC) S-6.11 (DTPA/Sorbitol)	meq/100g Mg/Kg	***
Sodium (Na)			***
Potassium (K)			***
Zinc (Zn)			***
Manganese (Mn)	S-6.11 (DTPA/Sorbitol) EPA 908/S-10.10	Mg/Kg meq/100g	***
Copper (Cu)			***
Iron (Fe)			***
Sulfur (SO4-S)			***
Boron (B)			***
Molybdenum (Mo)			***
Cation Exchange (CEC)			5 Min.
Total Nitrogen			AOAC 990.3
Total Carbon	AOAC 972.3	%	***
C:N Ratio			20:1 or less
Exchangeable Sodium Percentage (ESP)	ESP	%	10 Max.
Particle Size Analysis (Sand, Clay, Silt)	S-14.10 (Hydrometer)	%	Sandy Loam
Heavy Metals Testing	EPA 6010D	mg/Kg	From WAC 173-350-220 Table 220-B unless otherwise noted
Arsenic			≤ 20
Cadmium			≤ 10
Chromium			≤ 42**
Copper			≤ 100**
Lead			≤ 150
Molybdenum			≤ 9
Nickel			≤ 100**
Selenium			≤ 18
Zinc			≤ 270**
Mercury	EPA 7473		≤ 8

Tested Item	Method*	Units	Specification Range
*Methods are from "Soil, Plant, and Water Reference Methods For the Western Region" 2005, 3 <sup>rd</sup> Ed., Dr. R. Gavlak, Dr. D. Horneck, Dr. R.O. Miller.			**From WAC 173-340-900 Table 749-2 for Unrestricted Land Uses ***Testing for soil-testing laboratory recommendations for soil treatments and amendments

The soil-testing laboratory shall state recommendations for soil treatments and soil amendments to be incorporated based on the results of the tests. Recommendations shall be in pounds per acre, or volume per cu. yd. for nitrogen, phosphorus, potash nutrients, and soil amendments to be added to produce satisfactory planting soil suitable for healthy, viable plants.

**Compost**

Compost shall conform to the requirements of Section 9-14.5(8).

**Mixing Requirements**

Topsoil Type A shall be thoroughly mixed by the supplier prior to delivery to the site. The Contractor shall submit certification from the supplier that the Topsoil Type A has been mixed according to the above percentages at the point of delivery.

Acceptance of Topsoil Type A for use on a project shall be on the basis of visual verification by the Engineer that the delivered material is representative of the laboratory analysis documentation and certification.

**9-14.3 Seed**

Section 9-14.3 is supplemented with the following:

The grass seed dealer shall mix the grass seed only. The Contractor shall furnish the Engineer with a dealer’s guaranteed statement of the composition, mixture, and the percentage of purity and germination of each variety.

The seed mixtures for hydroseeding shall conform to the composition specified in the following paragraphs. Seeding rates which are shown in pounds of pure live seed (PLS) per acre or 1,000 square feet. PLS is determined by multiplying the percent purity (expressed as a decimal) by the percent germination (expressed as a decimal) and then multiplying this factor by the pounds of seed in the mixture

(PLS = pounds of seed in mixture times percent purity times percent germination). The purity and germination percentages shall be as shown on the tag on each seed container

“**Seeded Lawn Mix**” shall be composed of the following varieties mixed in the proportions indicated:

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

<b>Mixture Proportions</b>			
<b>Name</b>	<b>% by Weight</b>	<b>% Purity</b>	<b>% Germinatio</b>
Lolium perenne var. Dasher 3/ Dasher 3 Perennial Ryegrass	35%	98%	90%
Lolium perenne var. Cutter II/ Cutter II Perennial Ryegrass	35%	98%	90%
Festuca rubra var. Garnet/ Garnet Creeping Red Fescue	15%	98%	90%
Festuca rubra ssp. fallax var. Windward/ Windward Chewings	15%	95%	90%

Seed mix shall be certified as 99% weed-free and 90% viable seeds by germination tests and by age specifications by species. Apply hydroseed mulch, tackifier and fertilizer per supplier’s recommendations.

**9-14.4 Fertilizer**

Section 9-14.4 is supplemented with the following:

Fertilizer provided for hydroseeding applications shall be 10-10-10, applied at a rate recommended by the fertilizer manufacturer.

All fertilizers shall be furnished in standard unopened containers with weight, name of plant nutrients and manufacturer’s certified statement of analysis clearly marked, in accordance with State and Federal law.



## **9-14.5 Mulch and Amendments**

### **9-14.5(3) Bark or Wood Chip Mulch**

Section 9-14.5(3) is supplemented with the following:

Bark mulch shall be medium grade composted ground fir or hemlock bark.

The bark shall be uniform in color, free from weed seeds, sawdust and splinters. The mulch shall not contain resin, tannin, wood fiber or other compounds detrimental to plant life. The moisture content of bagged mulch shall not exceed 22%. The acceptable size range of bark mulch material is ½-inch to 1-inch with maximum of 20% passing the ½-inch screen.

## **9-29 ILLUMINATION, SIGNAL, ELECTRICAL**

Section 9-29 is supplemented with the following:

### **General**

All bolts, nuts, washers, and other fasteners shall be stainless steel unless otherwise specified herein. Where applicable, all materials, equipment, and installation procedures shall conform to the current requirements and standards of the State of Washington Department of Labor and Industries.

### **9-29.1 Conduit, Innerduct, and Outerduct**

Section 9-29.1 is supplemented with the following:

The type of conduit to be used at specific locations is noted in Section 8-20.3(5) of these Special Provisions.

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

#### **9-29.2(1)A Standard Duty Junction Boxes**

Section 9-29.2(1)A is supplemented with the following:

(September 3, 2019 WSDOT GSP)

#### **Slip-Resistant Surfacing for Junction Boxes, Cable Vaults, and Pull Boxes**

Where slip-resistant junction boxes, cable vaults, or pull boxes are required, each box or vault shall have slip-resistant surfacing material applied to the steel lid and frame of the box or vault. Where the exposed portion of the frame is ½ inch wide or less, slip-resistant surfacing material may be omitted from that portion of the frame.

Slip-resistant surfacing material shall be identified with a permanent marking on the underside of each box or vault lid where it is applied. The permanent marking

shall be formed with a mild steel weld bead, with a line thickness of at least 1/8 inch. The marking shall include a two character identification code for the type of material used and the year of manufacture or application. The following materials are approved for application as slip-resistant material, and shall use the associated identification codes:

1. Harsco Industrial IKG, Mebac #1 - Steel: **M1**
2. W. S. Molnar Co., SlipNOT Grade 3 – Coarse: **S3**
3. Thermion, SafTrax TH604 Grade #1 – Coarse: **T1**

### **9-29.6 Light and Signal Standards**

Section 9-29.6 is supplemented with the following:

#### **General**

All bolts, nuts, washers, and other fasteners shall be stainless steel unless otherwise specified herein. Where applicable, all materials, equipment, and installation procedures shall conform to the current requirements and standards of the State of Washington Department of Labor and Industries.

#### **9-29.6(1) Steel Light and Signal Standards**

Section 9-29.6(1) is supplemented with the following:

Traffic Signal standards shall be furnished and installed in accordance with the methods and materials noted in the applicable Standard Plans, pre-approved plans, or special design plans.

All welds shall comply with the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Welding inspection shall comply with Section 6- 03.3(25)A Welding Inspection.

Hardened washers shall be used with all signal arm connecting bolts instead of lockwashers. All signal arm ASTM A 325 connecting bolts tightening shall comply with Section 6-03.3(33).

Traffic signal standard types and applicable characteristics are as follows:

#### **Type PPB**

Pedestrian push button posts shall conform to Standard Plan J-20.10 or to one of the following pre-approved plans:

<b>Fabricator</b>	<b>Pre-Approved Drawing No.</b>
Valmont Ind., Inc.	DB01165 Rev. B (4 sheets)
Ameron PoleProducts Division	WA15TR10-1 Rev. C (1 sheet) and WA15TR10-3 Rev. B (1 sheet)
Millerbernd Manufacturing, Co.	74514-WA-PED-PPB Rev J (2 sheets)

Foundations shall be as noted in Standard Plan J-20.10

**Type PS, Type 1, Type RM, and Type FB**

Type PS pedestrian signal standards, Type 1 vehicle signal standards, Type RM ramp meter signal standards, and Type FB flashing beacon standards shall conform to Standard Plan J-20.16, J-21.16, and J-22.15 or to one of the following pre-approved plans:

<b>Fabricator</b>	<b>Pre-Approved Drawing No.</b>
Valmont Ind., Inc.	DB01165 Rev. B (4 sheets)
Ameron PoleProducts Division	WA15TR10-1 Rev. C (1 sheet) and WA15TR10-2 Rev. C (1 sheet)
Millerbernd Manufacturing Co.	74514-WA-PED-FB Rev H (2 sheets)
Milerbernd Manufacturing Co.	74514-WA-PED-SB Rev. H (2 Sheets)

**9-29.7 Luminaire Fusing and Electrical Connections at Light Standard Bases, Cantilever Bases, and Sign Bridge Bases**

Section 9-29.7 is supplemented with the following:

Fuses shall be 10 Amp Bussman Type FNM, Reliance MEN, Gould-Shawmut TRM, or approved equivalent.

Fuse connectors shall be installed at every traffic mast arm pole containing a luminaire. Every conductor above ground potential shall be served by a quick-disconnect fused connector. Every conductor at ground potential shall be serviced by a single pin connector.

The fuse holders shall be readily accessible from the pole handhole, and have 18 inches of slack in the conductors.

## **9-29.16 Vehicular Signal Heads, Displays, and Housing**

### **9-29.16(2) Conventional Traffic Signal Heads**

#### **9-29.16(2)A Optical Units**

Section 9-29.16(2)A is supplemented with the following:

The vehicle signal displays shall be the following:

<b>Indication</b>	<b>Dialight Model Number</b>
RED Ball	433-1210-003XL
YELLOW Ball	433-3270-901XL
GREEN Ball	433-2270-001XL
RED Arrow	432-1314-00IXOD
YELLOW Arrow	431-3374-901XOD
GREEN Arrow	432-2374-001XOD

#### **9-29.16(2)B Signal Housing**

Section 9-29.16(2)B is supplemented with the following:

All vehicular traffic signal heads shall be constructed from one piece die cast aluminum with integral serrations on 5 degree increments in the end sections. Each body shall provide for the mounting of terminal blocks and backplates.

The door shall be a one piece aluminum unit equipped with stainless steel hinge pins. The door shall be secured to the body with wing nuts.

The tunnel visor shall be one piece aluminum with slotted mounting holes. Backplates shall be one piece aluminum, louvered and painted flat black. Backplates shall have 2- inch-wide yellow reflective tape around the border.

Individual sections of the signal head shall be connected together with stainless steel tri-stud adapters. Each 12-inch head section shall weigh 10-1/4 pounds and shall measure 14 inches top to bottom, 5-1/2 inches front to back, and 14 inches side to side.

The signal head unit, except for the backplate, shall be painted Federal Green.

### **9-29.17 Signal Head Mounting Brackets and Fittings**

Section 9-29.17 is supplemented with the following:

The plumbizer required for the Type M mount shall be bronze as shown in Standard Plan J-75.20. The unit shall provide a wireway capable of accepting the 5-conductor cable without damage to the sheath, shall include three stainless steel set screws, and shall be mounted with a 3/8-inch stainless steel through-bolt with washers and double nuts, and shall be painted with two coats of traffic signal green baked enamel.

### **9-29.19 Pedestrian Push Buttons**

Section 9-29.19 is supplemented with the following:

The pedestrian push buttons shall be black Polara iNS3 APS buttons with MUTCD R10-3E retroreflective 9"x15" signs and adaptor plates.

### **9-29.20 Pedestrian Signals**

Section 9-29.20 is supplemented with the following:

The pedestrian signal displays shall be Dialight Uniform Appearance Countdown Pedestrian Signal, 16"x18" (part #430-6479-001X).

## **9-35 TEMPORARY TRAFFIC CONTROL MATERIALS**

### **9-35.14 Portable Temporary Traffic Control**

Section 9-35.14 is revised to read:

*(November 2, 2022 WSDOT GSP, Option 1)*

Portable temporary traffic control signal systems (PTSS) shall meet the requirements of the MUTCD and these specifications.

The PTSS shall be fully operational for traffic actuated, pre-timed, or manual control. The PTSS shall support the number of signal phases necessary to control traffic through the applicable work area.

Controllers shall be capable of controlling all displays required for each PTSS system. Controllers shall demonstrate conflict-monitoring capability, consistent with the requirements of Section 9-29.13(2) item number 5, with a flashing red display in all directions. The controller shall be capable of terminating the all red clearance for the preceding movement, such that the previous movement can be repeated.

Signal head displays shall be either hard wired or controlled by radio signal. Manual operation will not require hardwiring or radio control except for the use of two-way radio communication by manufacturer trained qualified operators.

The system shall be equipped with a means of informing the operator of signal indications, such as a light on the back of each signal head that illuminates when the signal displays a red indication, during manual operation.

Each PTSS shall include vehicle detection and shall be capable of operating either as fixed time or traffic actuated. The detection system shall provide presence detection (continuous call to the controller) while there is a vehicle, including bicycles, in the detection zone. When specified in the Contract, each designated PTSS shall include a pushbutton for bicycles that will extend the all-red time to accommodate bicycle travel through the applicable work area. Each pushbutton shall be placed such that it is accessible to bicycle users and include signing with instructions for bicyclists.

PTSS signal displays shall be trailer mounted. PTSS trailers with overhead signal displays shall provide two signal displays, with at least one display mounted overhead and the two displays at least 8 feet apart horizontally. The minimum vertical clearance to the traveled way for all overhead signal displays is 16.5 feet. Where there is no direct line of sight between stop line locations, each trailer shall include a digital timer display showing the time remaining to the next green indication; digits shall be a minimum of 6 inches in height. Ground mounted signal display trailers shall provide one signal display. Vertical height to the bottom of a single signal display shall be a minimum of 8 feet (10 feet preferable). Vehicular signal heads shall be of the conventional type with standard ITE approved, 12-inch ball or arrow LED displays, as appropriate. Tunnel visors shall be provided for all indications.

Back plates shall be furnished and attached to the signal heads. Back plates shall be constructed of 5-inch-wide 0.050-inch-thick corrosion resistant louvered aluminum, with a flat black finish. A 1-inch-wide yellow strip of Type IV prismatic sheeting (tape) in accordance with Section 9-28.12 shall be placed around the perimeter of the face of all vehicle signal backplates to project a rectangular image at night toward oncoming traffic.

Trailers shall have a leveling jack installed at all four corners. The crank for the leveling jacks and trailer hitch shall be locked. The signal pole and mast arm assemblies shall be of the collapsible type, which can be erected and extended at the job site. The mast arm assemblies shall be firmly attached to the trailer to form a stable unit, which can withstand an 80-mph design wind speed with a 1.3 gust factor.

The PTSS shall be powered using a self-contained battery system capable of providing over 12 days of continuous operations without solar array assistance. A supplemental solar panel array will be allowed.

Add the following section:

**9-37 PAVEMENT REINFORCING FIBERS**

**9-37.1 General Requirements**

The blend of reinforcing fibers for FRAC shall be a combination of synthetic fibers that meet the requirements in the table below:

<b>Property</b>	<b>Aramid Fibers</b>	<b>Polyolefin Fibers</b>
Length	3/4"	3/4"
Form	Monofilament	Fillibrated
Acid/Alkali Resistance	Inert	Inert
Tensile Strength	400,000 PSI	N/A*
Specific Gravity	1.44	0.91
Operating Temperatures	-300° F to 800° F	N/A*

\*Fibers will partially melt or become plastically deformed during asphalt mix production.

**END OF DIVISION 9**

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(November 4, 2024 WSDOT GSP)

## 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-90.40

Valve Detail – DELETED

### 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-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 Standard Plan C-81.10 and/or C-81.15”

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".

F-10.18

General Note 1; "Construct curb joints at 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."

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-10.10

Sheet 4 of 6, "Foundation Size Reference Table", PAD WIDTH column, Type 33xD=6' – 3" is revised to read: 7' – 3". Type 342LX / NEMA P44=5' – 10" is revised to read: 6' – 10"

Sheet 5 of 6, Plan View, "FOR EXAMPLE PAD SHOWN HERE:", "first bullet" item, "-SPACE BETWEEN TYPE B MOD. CABINET AND 33x CABINET IS 6" (IN)" IS REVISED TO READ: "SPACE BETWEEN TYPE B MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6" (IN) (CHANNEL STEEL ADDS ABOUT 5" (IN))"

J-10.16

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

J-10.17

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

J-10.18

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

J-20.10

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 ~ 3/4" (IN) x 30" (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY" is revised to read; "ANCHOR BOLTS ~ 3/4" (IN) x 30" (IN) FULL THREAD ~ FOUR REQ'D. PER ASSEMBLY"

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 1/2" DIAM., is revised to read; CHASE NIPPLE ~ 1 1/2" (IN) DIAM.

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-40.10

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

J-40.36

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

J-40.37

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

J-75.20

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

J-75.55

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

L-5.10

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-30.90-02	1/26/17	B-80.40-00	6/1/06
B-15.20-01	2/7/12	B-35.20-00	6/8/06	B-85.10-01	6/10/08
B-15.40-01	2/7/12	B-35.40-01	8/23/23	B-85.20-00	6/1/06
B-15.60-02	1/26/17	B-40.20-00	6/1/06	B-85.30-00	6/1/06
B-20.20-02	3/16/12	B-40.40-02	1/26/17	B-85.40-00	6/8/06
B-20.40-04	2/27/18	B-45.20-01	7/11/17	B-85.50-01	6/10/08
B-20.60-03	3/15/12	B-45.40-01	7/21/17	B-90.10-00	6/8/06
B-25.20-02	2/27/18	B-50.20-00	6/1/06	B-90.20-00	6/8/06
B-25.60-03	8/23/23	B-55.20-03	8/17/21	B-90.30-00	6/8/06
B-30.05-00	9/9/20	B-60.20-02	9/9/20	B-90.40-01	1/26/17
B-30.10-03	2/27/18	B-60.40-01	2/27/18	B-90.50-00	6/8/06
B-30.15-00	2/27/18	B-65.20-01	4/26/12	B-95.20-02	8/17/21
B-30.20-04	2/27/18	B-65.40-00	6/1/06	B-95.40-01	6/28/18
B-30.30-03	2/27/18	B-70.20-01	3/15/22		

C-1	9/8/22	C-23.70-01	10/16/23	C-70.10-04	10/16/23
C-1b	10/12/23	C.24.10-05	7/21/24	C-70.15-01	7/21/24
C-1d	10/31/03	C-24.15-00	3/15/22	C-75.10-02	9/16/20
C-6a	9/8/22	C-25.20-07	8/20/21	C-75.20-03	8/20/21
C-7	9/8/22	C-25.22-06	8/20/21	C-75.30-03	8/20/21
C-7a	9/8/22	C-25.26-05	8/20/21	C-80.10-03	10/16/23
C-20.10-09	10/12/23	C-25.30-01	8/20/21	C-80.20-01	6/11/14
C-20.14-05	9/8/22	C-25.32-00	7/29/24	C-80.30-02	8/20/21
C-20.15-03	10/12/23	C-25.80-05	8/12/19	C-80.40-01	6/11/14
C-20.18-04	9/8/22	C-60.10-04	7/21/24	C-85.10-00	4/8/12
C-20.40-10	10/12/23	C-60.15-01	7/21/24	C-85.11-01	9/16/20
C-20.41-05	7/18/24	C-60.20-01	9/8/22	C-85.15-03	10/17/23
C-20.43-01	7/18/24	C-60.30-02	7/21/24	C-85-18-03	9/8/22
C-20.44-00	8/13/24	C-60.40-01	7/21/24	C-81.10-00	9/12/23
C-20.45-03	9/8/22	C-60.45-01	7/21/24	C-81.15-00	9/12/23
C-20.55-00	7/30/24	C-60.50-01	7/21/24		
C-22.16-08	10/17/23	C-60.60-01	7/21/24		
C-22.40-11	7/21/24	C-60.70-01	9/8/22		
C-22.45-07	7/21/24	C-60.80-02	7/21/24		
D-2.36-03	6/11/14	D-3.11-03	6/11/14	D-10.25-01	8/7/19
D-2.46-02	8/13/21	D-4	12/11/98	D-10.30-00	7/8/08
D-2.84-00	11/10/05	D-6	6/19/98	D-10.35-00	7/8/08
D-2.92-01	4/26/22	D-10.10-01	12/2/08	D-10.40-01	12/2/08
D-3.09-00	5/17/12	D-10.15-01	12/2/08	D-10.45-01	12/2/08
D-3.10-01	5/29/13	D-10.20-01	8/7/19	D-20.10-00	10/9/23
E-1	2/21/07	E-4	8/27/03	E-20.10-00	9/12/23
E-2	5/29/98	E-4a	8/27/03	E-20.20-00	10/4/23
F-10.12-04	9/24/20	F-10.62-02	4/22/14	F-40.15-04	9/25/20
F-10.16-00	12/20/06	F-10.64-03	4/22/14	F-40.16-03	6/29/16
F-10.18-04	6/28/24	F-30.10-04	9/25/20	F-45.10-05	6/4/24
F-10.40-04	9/24/20	F-40.12-03	6/29/16	F-80.10-04	7/15/16
F-10.42-00	1/23/07	F-40.14-03	6/29/16		
G-10.10-00	9/20/07	G-24.50-05	8/7/19	G-90.10-03	7/11/17
G-20.10-03	8/20/21	G-24.60-05	6/28/18	G-90.20-05	7/11/17
G-22.10-04	6/28/18	G-25.10-05	9/16/20	G-90.30-04	7/11/17
G-24.10-00	11/8/07	G-26.10-00	7/31/19	G-95.10-02	6/28/18
G-24.20-01	2/7/12	G-30.10-04	6/23/15	G-95.20-03	6/28/18
G-24.30-02	6/28/18	G-50.10-03	6/28/18	G-95.30-03	6/28/18
G-24.40-07	6/28/18				
H-10.10-01	6/2/24	H-30.10-00	10/12/07	H-70.10-02	8/17/21
H-10.11-00	6/2/24	H-32.10-00	9/20/07	H-70.20-02	8/17/21



H-10.15-01	6/2/24	H-60.10-01	7/3/08		
H-10.16-00	6/2/24	H-60.20-01	7/3/08		
I-10.10-01	8/11/09	I-30.20-00	9/20/07	I-40.20-00	9/20/07
I-30.10-02	3/22/13	I-30.30-02	6/12/19	I-50.20-02	7/6/22
I-30.15-02	3/22/13	I-30.40-02	6/12/19	I-60.10-01	6/10/13
I-30.16-01	7/11/19	I-30.60-02	6/12/19	I-60.20-01	6/10/13
I-30.17-01	6/12/19	I-40.10-00	9/20/07	I-80.10-02	7/15/16
J-05.50-00	8/30/22	J-26.10-03	7/21/16	J-50.05-00	7/21/17
J-10	7/18/97	J-26.15-01	5/17/12	J-50.10-01	7/31/19
J-10.10-04	9/16/20	J-26.20-01	6/28/18	J-50.11-02	7/31/19
J-10.12-00	9/16/20	J-27.10-01	7/21/16	J-50.12-02	8/7/19
J-10.14-00	9/16/20	J-27.15-00	3/15/12	J-50.13-01	8/30/22
J-10.15-01	6/11/14	J-28.01-00	8/30/22	J-50.15-01	7/21/17
J-10.16-02	8/18/21	J-28.10-02	8/7/19	J-50.16-01	3/22/13
J-10.17-02	8/18/21	J-28.22-00	8/07/07	J-50.18-00	8/7/19
J-10.18-02	8/18/21	J-28.24-02	9/16/20	J-50.19-00	8/7/19
J-10.20-04	8/18/21	J-28.26-01	12/02/08	J-50.20-00	6/3/11
J-10.21-02	8/18/21	J-28.30-04	6/18/24	J-50.25-00	6/3/11
J-10.22-03	10/4/23	J-28.40-02	6/11/14	J-50.30-00	6/3/11
J-10.25-01	6/21/24	J-28.42-01	6/11/14	J-60.05-01	7/21/16
J-10.26-00	8/30/22	J-28.43-01	6/28/18	J-60.11-00	5/20/13
J-12.15-00	6/28/18	J-28.45-03	7/21/16	J-60.12-00	5/20/13
J-12.16-00	6/28/18	J-28.50-03	7/21/16	J-60.13-00	6/16/10
J-15.10-01	6/11/14	J-28.60-03	8/27/21	J-60.14-01	7/31/19
J-15.15-02	7/10/15	J-28.70-04	8/30/22	J-75.10-02	7/10/15
J-20.01-01	6/21/24	J-29.10-02	8/26/22	J-75.20-01	7/10/15
J-20.05-00	6/21/24	J-29.15-01	7/21/16	J-75.30-02	7/10/15
J-20.10-05	10/4/23	J-29.16-02	7/21/16	J-75.50-00	8/30/22
J-20.11-03	7/31/19	J-30.10-01	8/26/22	J-75.55-00	8/30/22
J-20.15-04	6/21/24	J-40.01-00	8/30/22	J-80.05-00	8/30/22
J-20.16-02	6/30/14	J-40.05-00	7/21/16	J-80.10-01	8/18/21
J-20.20-02	5/20/13	J-40.10-04	4/28/16	J-80.12-00	8/18/21
J-20.26-01	7/12/12	J-40.20-03	4/28/16	J-80.15-00	6/28/18
J-21.10-05	6/21/24	J-40.30-04	4/28/16	J-81.10-02	8/18/21
J-21.15-01	6/10/13	J-40.35-01	5/29/13	J-81.12-00	9/3/21
J-21.16-02	6/21/24	J-40.36-02	7/21/17	J-84.05-00	8/30/22
J-21.17-01	6/10/13	J-40.37-02	7/21/17	J-86.10-00	6/28/18
J-21.20-01	6/10/13	J-40.38-01	5/20/13	J-90.10-03	6/28/18
J-22.15-03	6/21/24	J-40.39-00	5/20/13	J-90.20-03	6/28/18
J-22.16-03	7/10/15	J-40.40-02	7/31/19	J-90.21-02	6/28/18
J-22.17-00	6/21/24	J-45.36-00	7/21/17	J-90.50-00	6/28/18
K-70.20-01	6/1/16	K-80.32-00	8/17/21	K-80.35-01	9/16/20
K-80.10-02	9/25/20	K-80.34-00	8/17/21	K-80.37-01	9/16/20

L-5.10-02	6/5/24	L-20.10-03	7/14/15	L-40.20-02	6/21/12
L-5.15-00	9/19/22	L-30.10-02	6/11/14	L-70.10-01	5/21/08
L-10.10-02	6/21/12	L-40.15-01	6/16/11	L-70.20-01	5/21/08
M-1.20-04	9/25/20	M-9.60-00	2/10/09	M-24.66-00	7/11/17
M-1.40-03	9/25/20	M-11.10-04	8/2/22	M-40.10-04	10/17/23
M-1.60-03	9/25/20	M-12.10-04	6/28/24	M-40.20-00	10/12/07
M-1.80-03	6/3/11	M-15.10-02	7/17/23	M-40.30-01	7/11/17
M-2.20-03	7/10/15	M-17.10-02	7/3/08	M-40.40-00	9/20/07
M-2.21-00	7/10/15	M-20.10-04	8/2/22	M-40.50-00	9/20/07
M-3.10-04	9/25/20	M-20.20-02	4/20/15	M-40.60-00	9/20/07
M-3.20-04	8/2/22	M-20.30-05	6/28/24	M-60.10-01	6/3/11
M-3.30-04	9/25/20	M-20.40-03	6/24/14	M-60.20-03	8/17/21
M-3.40-04	9/25/20	M-20.50-02	6/3/11	M-65.10-03	8/17/21
M-3.50-03	9/25/20	M-24.20-02	4/20/15	M-80.10-01	6/3/11
M-5.10-03	9/25/20	M-24.40-02	4/20/15	M-80.20-00	6/10/08
M-7.50-01	1/30/07	M-24.60-04	6/24/14	M-80.30-00	6/10/08
M-9.50-02	6/24/14	M-24.65-00	7/11/17		

## **ATTACHMENTS**

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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.

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Journey Level Prevailing Wage Rates for the Effective Date: 02/11/2025

## Kitsap County

Trade^	Job Classification	Wage	Holiday	Overtime	Note
<u>Asbestos Abatement Workers</u>	Journey Level	\$63.87	<b>5D</b>	<b>1H</b>	
<u>Boilermakers</u>	Journey Level	\$76.89	<b>5N</b>	<b>1C</b>	
<u>Brick Mason</u>	Journey Level	\$71.82	<b>7E</b>	<b>1N</b>	
<u>Brick Mason</u>	Pointer-Caulker-Cleaner	\$71.82	<b>7E</b>	<b>1N</b>	
<u>Building Service Employees</u>	Janitor	\$16.66		<b>1</b>	
<u>Building Service Employees</u>	Shampooer	\$16.66		<b>1</b>	
<u>Building Service Employees</u>	Waxer	\$16.66		<b>1</b>	

<u>Building Service Employees</u>	Window Cleaner	\$16.66		<b>1</b>	
<u>Cabinet Makers (In Shop)</u>	Journey Level	\$23.72		<b>1</b>	
<u>Carpenters</u>	Acoustical Worker	\$78.96	<b>15J</b>	<b>11U</b>	
<u>Carpenters</u>	Bridge Dock and Wharf Carpenter	\$80.50	<b>15J</b>	<b>11U</b>	<b>9L</b>
<u>Carpenters</u>	Floor Layer & Floor Finisher	\$78.96	<b>15J</b>	<b>11U</b>	
<u>Carpenters</u>	General Carpenter	\$78.96	<b>15J</b>	<b>11U</b>	
<u>Carpenters</u>	Scaffold Erector	\$78.96	<b>15J</b>	<b>11U</b>	
<u>Cement Masons</u>	Application of all Composition Mastic	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Application of all Epoxy Material	\$76.78	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Application of all Plastic Material	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Application of Sealing Compound	\$76.78	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Application of Underlayment	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Building General	\$76.78	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Composition or Kalman Floors	\$77.30	<b>15J</b>	<b>4U</b>	

<u>Cement Masons</u>	Concrete Paving	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Curb & Gutter Machine	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Curb & Gutter, Sidewalks	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Curing Concrete	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Finish Colored Concrete	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Floor Grinding	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Floor Grinding/Polisher	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Green Concrete Saw, self-powered	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Grouting of all Plates	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Grouting of all Tilt-up Panels	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Guniting Nozzleman	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Hand Powered Grinder	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Journey Level	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Patching Concrete	\$76.78	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Pneumatic Power Tools	\$77.30	<b>15J</b>	<b>4U</b>
<u>Cement Masons</u>	Power Chipping & Brushing	\$77.30	<b>15J</b>	<b>4U</b>

<u>Cement Masons</u>	Sand Blasting Architectural Finish	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Screed & Rodding Machine	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Spackling or Skim Coat Concrete	\$76.78	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Troweling Machine Operator	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Troweling Machine Operator on Colored Slabs	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Cement Masons</u>	Tunnel Workers	\$77.30	<b>15J</b>	<b>4U</b>	
<u>Divers &amp; Tenders</u>	Bell/Vehicle/Submersible Operator (not under pressure)	\$156.25	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Dive Supervisor	\$157.75	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Diver	\$156.25	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Diver Tender	\$86.86	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$109.76	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 31.01-44.00 PSI	\$118.99	<b>15J</b>	<b>11U</b>	



<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$128.22	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$137.45	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$146.67	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$155.90	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$165.13	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$174.36	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$183.59	<b>15J</b>	<b>11U</b>	
<u>Divers &amp; Tenders</u>	Lead Diver (Dive Master)	\$101.32	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Manifold Operator (Life Support Technician)	\$86.86	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Remote Operated Vehicle Operator/Technician	\$86.86	<b>15J</b>	<b>11T</b>	<b>9I</b>

<u>Divers &amp; Tenders</u>	Remote Operated Vehicle Operator/Technician	\$86.86	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Remote Operated Vehicle Tender	\$80.55	<b>15J</b>	<b>11T</b>	<b>9I</b>
<u>Divers &amp; Tenders</u>	Stand-by Diver	\$96.32	<b>15J</b>	<b>11T</b>	<b>9I</b>
Dredge Workers	Assistant Engineer	\$83.92	<b>5D</b>	<b>3F</b>	
Dredge Workers	Assistant Mate (Deckhand)	\$83.28	<b>5D</b>	<b>3F</b>	
Dredge Workers	Boatmen	\$83.92	<b>5D</b>	<b>3F</b>	
Dredge Workers	Engineer Welder	\$85.53	<b>5D</b>	<b>3F</b>	
Dredge Workers	Leverman, Hydraulic	\$87.24	<b>5D</b>	<b>3F</b>	
Dredge Workers	Mates	\$83.92	<b>5D</b>	<b>3F</b>	
Dredge Workers	Oiler	\$83.28	<b>5D</b>	<b>3F</b>	
<u>Drywall Applicator</u>	Journey Level	\$78.76	<b>150</b>	<b>11S</b>	
<u>Drywall Tapers</u>	Journey Level	\$78.76	<b>150</b>	<b>11S</b>	
<u>Electrical Fixture Maintenance Workers</u>	Journey Level	\$38.69	<b>5L</b>	<b>1E</b>	
<u>Electricians - Inside</u>	Cable Splicer	\$112.00	<b>7C</b>	<b>4E</b>	
<u>Electricians - Inside</u>	Cable Splicer (tunnel)	\$120.33	<b>7C</b>	<b>4E</b>	
<u>Electricians - Inside</u>	Certified Welder	\$110.21	<b>7C</b>	<b>4E</b>	

<u>Electricians - Inside</u>	Certified Welder (tunnel)	\$116.17	<b>7C</b>	<b>4E</b>	
<u>Electricians - Inside</u>	Construction Stock Person	\$51.53	<b>7C</b>	<b>4E</b>	
<u>Electricians - Inside</u>	Journey Level	\$104.42	<b>7C</b>	<b>4E</b>	
<u>Electricians - Inside</u>	Journey Level (tunnel)	\$112.00	<b>7C</b>	<b>4E</b>	
<u>Electricians - Motor Shop</u>	Craftsman	\$16.66		<b>1</b>	
<u>Electricians - Motor Shop</u>	Journey Level	\$16.66		<b>1</b>	
<u>Electricians - Powerline Construction</u>	Cable Splicer	\$97.76	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Certified Line Welder	\$89.71	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Groundperson	\$56.79	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Heavy Line Equipment Operator	\$89.71	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Journey Level Lineperson	\$89.71	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Line Equipment Operator	\$77.13	<b>5A</b>	<b>4D</b>	
<u>Electricians - Powerline Construction</u>	Meter Installer	\$56.79	<b>5A</b>	<b>4D</b>	<b>8W</b>
<u>Electricians - Powerline Construction</u>	Pole Sprayer	\$89.71	<b>5A</b>	<b>4D</b>	

<u>Electricians - Powerline Construction</u>	Powderperson	\$66.84	<b>5A</b>	<b>4D</b>	
<u>Electronic Technicians</u>	Journey Level	\$67.16	<b>7E</b>	<b>1E</b>	
<u>Elevator Constructors</u>	Mechanic	\$111.26	<b>7D</b>	<b>4A</b>	
<u>Elevator Constructors</u>	Mechanic In Charge	\$120.27	<b>7D</b>	<b>4A</b>	
Fabricated Precast Concrete Products	Journey Level	\$16.66		<b>1</b>	
Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$16.66		<b>1</b>	
<u>Fence Erectors</u>	Fence Erector	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Fence Erectors</u>	Fence Laborer	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Flaggers</u>	Journey Level	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Glaziers</u>	Journey Level	\$82.16	<b>7L</b>	<b>1Y</b>	
<u>Heat &amp; Frost Insulators And Asbestos Workers</u>	Journey Level	\$91.81	<b>15H</b>	<b>11C</b>	
<u>Heating Equipment Mechanics</u>	Journey Level	\$99.92	<b>7F</b>	<b>1E</b>	
<u>Hod Carriers &amp; Mason Tenders</u>	Journey Level	\$67.38	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Industrial Power Vacuum Cleaner</u>	Journey Level	\$29.89		<b>1</b>	
<u>Inland Boatmen</u>	Boat Operator	\$61.41	<b>5B</b>	<b>1K</b>	

<u>Inland Boatmen</u>	Cook	\$56.48	<b>5B</b>	<b>1K</b>
<u>Inland Boatmen</u>	Deckhand	\$57.48	<b>5B</b>	<b>1K</b>
<u>Inland Boatmen</u>	Deckhand Engineer	\$58.81	<b>5B</b>	<b>1K</b>
<u>Inland Boatmen</u>	Launch Operator	\$58.89	<b>5B</b>	<b>1K</b>
<u>Inland Boatmen</u>	Mate	\$57.31	<b>5B</b>	<b>1K</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	Cleaner Operator	\$51.27	<b>15M</b>	<b>110</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	Foamer Operator	\$51.27	<b>15M</b>	<b>110</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	Grout Truck Operator	\$51.27	<b>15M</b>	<b>110</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	Head Operator	\$49.20	<b>15M</b>	<b>110</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	Technician	\$42.99	<b>15M</b>	<b>110</b>
<u>Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</u>	TV Truck Operator	\$46.10	<b>15M</b>	<b>110</b>
<u>Insulation Applicators</u>	Journey Level	\$78.96	<b>15J</b>	<b>11U</b>

<u>Ironworkers</u>	Journeyman	\$90.82	<b>15K</b>	<b>11N</b>	
<u>Laborers</u>	Air, Gas Or Electric Vibrating Screed	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Airtrac Drill Operator	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Ballast Regular Machine	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Batch Weighman	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Brick Pavers	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Brush Cutter	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Brush Hog Feeder	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Burner	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Caisson Worker	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Carpenter Tender	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Cement Dumper-paving	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Cement Finisher Tender	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Change House Or Dry Shack	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Chipping Gun (30 Lbs. And Over)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Chipping Gun (Under 30 Lbs.)	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>

<u>Laborers</u>	Choker Setter	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Chuck Tender	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Clary Power Spreader	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Clean-up Laborer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Concrete Dumper/Chute Operator	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Concrete Form Stripper	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Concrete Placement Crew	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Concrete Saw Operator/Core Driller	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Crusher Feeder	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Curing Laborer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Demolition: Wrecking & Moving (Incl. Charred Material)	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Ditch Digger	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Diver	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Drill Operator (Hydraulic, Diamond)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Dry Stack Walls	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>

<u>Laborers</u>	Dump Person	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Epoxy Technician	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Erosion Control Worker	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Faller & Bucker Chain Saw	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Fine Graders	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Firewatch	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Form Setter	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Gabian Basket Builders	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	General Laborer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Grade Checker & Transit Person	\$67.38	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Grinders	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Grout Machine Tender	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Groutmen (Pressure) Including Post Tension Beams	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Guardrail Erector	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Hazardous Waste Worker (Level A)	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>



<u>Laborers</u>	Hazardous Waste Worker (Level B)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Hazardous Waste Worker (Level C)	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	High Scaler	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Jackhammer	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Laserbeam Operator	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Maintenance Person	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Manhole Builder-Mudman	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Material Yard Person	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Mold Abatement Worker	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Motorman-Dinky Locomotive	\$67.48	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$67.38	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pavement Breaker	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>

<u>Laborers</u>	Pilot Car	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pipe Layer (Lead)	\$67.38	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pipe Layer/Tailor	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pipe Pot Tender	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pipe Reliner	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pipe Wrapper	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Pot Tender	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Powderman	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Powderman's Helper	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Power Jacks	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Railroad Spike Puller - Power	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Raker - Asphalt	\$67.38	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Re-timberman	\$65.75	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Remote Equipment Operator	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Rigger/Signal Person	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Rip Rap Person	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>

<u>Laborers</u>	Rivet Buster	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Rodder	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Scaffold Erector	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Scale Person	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Sloper (Over 20")	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Sloper Sprayer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Spreader (Concrete)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Stake Hopper	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Stock Piler	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Swinging Stage/Boatswain Chair	\$54.65	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Tamper & Similar Electric, Air & Gas Operated Tools	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Tamper (Multiple & Self- propelled)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Toolroom Person (at Jobsite)	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Topper	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>

<u>Laborers</u>	Track Laborer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Track Liner (Power)	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Traffic Control Laborer	\$58.20	<b>15J</b>	<b>11P</b>	<b>9C</b>
<u>Laborers</u>	Traffic Control Supervisor	\$61.47	<b>15J</b>	<b>11P</b>	<b>9C</b>
<u>Laborers</u>	Truck Spotter	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Tugger Operator	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 0-30 psi	\$200.40	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$205.43	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$209.11	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$214.81	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$216.93	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$222.03	<b>15J</b>	<b>11P</b>	<b>9B</b>

<u>Laborers</u>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$223.93	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$225.93	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$227.93	<b>15J</b>	<b>11P</b>	<b>9B</b>
<u>Laborers</u>	Tunnel Work-Guage and Lock Tender	\$67.48	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Tunnel Work-Miner	\$67.48	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Vibrator	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Vinyl Seamer	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Watchman	\$49.97	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Welder	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Well Point Laborer	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers</u>	Window Washer/Cleaner	\$49.97	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers - Underground Sewer &amp; Water</u>	General Laborer & Topman	\$63.87	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Laborers - Underground Sewer &amp; Water</u>	Pipe Layer	\$64.98	<b>15J</b>	<b>11P</b>	<b>8Y</b>

	Landscape				
<u>Landscape Construction</u>	Construction/Landscaping Or Planting Laborers	\$49.97	<b>15J</b>	<b>11P</b>	<b>8Y</b>
<u>Landscape Construction</u>	Landscape Operator	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Landscape Maintenance</u>	Groundskeeper	\$16.66		<b>1</b>	
<u>Lathers</u>	Journey Level	\$78.76	<b>150</b>	<b>11S</b>	
<u>Marble Setters</u>	Journey Level	\$71.82	<b>7E</b>	<b>1N</b>	
<u>Metal Fabrication (In Shop)</u>	Fitter	\$26.96		<b>1</b>	
<u>Metal Fabrication (In Shop)</u>	Laborer	\$16.66		<b>1</b>	
<u>Metal Fabrication (In Shop)</u>	Machine Operator	\$16.66		<b>1</b>	
<u>Metal Fabrication (In Shop)</u>	Welder	\$16.66		<b>1</b>	
<u>Millwright</u>	Journey Level	\$80.28	<b>15J</b>	<b>4C</b>	
Modular Buildings	Cabinet Assembly	\$16.66		<b>1</b>	
Modular Buildings	Electrician	\$16.66		<b>1</b>	
Modular Buildings	Equipment Maintenance	\$16.66		<b>1</b>	
Modular Buildings	Plumber	\$16.66		<b>1</b>	
Modular Buildings	Production Worker	\$16.66		<b>1</b>	
Modular Buildings	Tool Maintenance	\$16.66		<b>1</b>	

Modular Buildings	Utility Person	\$16.66		<b>1</b>	
Modular Buildings	Welder	\$16.66		<b>1</b>	
<u>Painters</u>	Journey Level	\$54.71	<b>6Z</b>	<b>11J</b>	
<u>Pile Driver</u>	Crew Tender	\$86.81	<b>15J</b>	<b>11U</b>	<b>9L</b>
<u>Pile Driver</u>	Journey Level	\$80.50	<b>15J</b>	<b>11U</b>	<b>9L</b>
<u>Plasterers</u>	Journey Level	\$73.54	<b>7Q</b>	<b>1R</b>	
<u>Plasterers</u>	Nozzleman	\$77.54	<b>7Q</b>	<b>1R</b>	
<u>Playground &amp; Park Equipment Installers</u>	Journey Level	\$16.66		<b>1</b>	
<u>Plumbers &amp; Pipefitters</u>	Journey Level	\$90.87	<b>5A</b>	<b>1G</b>	
<u>Power Equipment Operators</u>	Asphalt Plant Operators	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Assistant Engineer	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Barrier Machine (zipper)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Batch Plant Operator: concrete	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Boat Operator	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Bobcat	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Brokk - Remote Demolition Equipment	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Brooms	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Bump Cutter	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cableways	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Chipper	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Compressor	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Concrete Finish Machine - Laser Screed	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Conveyors	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>



<u>Power Equipment Operators</u>	Cranes Friction: 200 tons and over	\$86.68	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes, A-frame: 10 tons and under	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: 20 tons through 44 tons with attachments	\$83.38	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.68	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: Friction cranes through 199 tons	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Cranes: through 19 tons with attachments, a-frame over 10 tons	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Crusher	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Deck Engineer/Deck Winches (power)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Derricks, On Building Work	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Dozers D-9 & Under	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Drilling Machine	\$84.93	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Elevator and man-lift: permanent and shaft type	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Forklift: 3000 lbs and over with attachments	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Forklifts: under 3000 lbs. with attachments	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Gradechecker/Stakeman	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Guardrail Punch	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Horizontal/Directional Drill Locator	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Horizontal/Directional Drill Operator	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Hydralifts/Boom Trucks Over 10 Tons	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Hydralifts/boom trucks: 10 tons and under	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Leverman	\$85.79	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Loaders, Overhead Under 6 Yards	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Loaders, Plant Feed	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Loaders: Elevating Type Belt	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Locomotives, All	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Material Transfer Device	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Mechanics: All (Leadmen - \$0.50 per hour over mechanic)	\$84.93	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Motor Patrol Graders	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Overhead, bridge type Crane: 20 tons through 44 tons	\$83.38	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Overhead, bridge type: 100 tons and over	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Overhead, bridge type: 45 tons through 99 tons	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Pavement Breaker	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Pile Driver (other Than Crane Mount)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Plant Oiler - Asphalt, Crusher	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Posthole Digger, Mechanical	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Power Plant	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Pumps - Water	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Quad 9, Hd 41, D10 And Over	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Quick Tower: no cab, under 100 feet in height base to boom	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Rigger and Bellman	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Rigger/Signal Person, Bellman(Certified)	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Rollagon	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Roller, Other Than Plant Mix	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Roller, Plant Mix Or Multi-lift Materials	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Roto-mill, Roto-grinder	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Saws - Concrete	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Scraper, Self Propelled Under 45 Yards	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Scrapers - Concrete & Carry All	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Scrapers, Self-propelled: 45 Yards And Over	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Service Engineers: Equipment	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Shotcrete/Gunite Equipment	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$84.93	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$85.79	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Slipform Pavers	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Spreader, Topsider & Screedman	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Subgrader Trimmer	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Tower Bucket Elevators	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Tower Crane: over 175' through 250' in height, base to boom	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Tower crane: up to 175' in height base to boom	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Tower Cranes: over 250' in height from base to boom	\$86.68	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Transporters, All Track Or Truck Type	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment Operators</u>	Trenching Machines	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Truck Crane Oiler/Driver: 100 tons and over	\$83.38	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Truck crane oiler/driver: under 100 tons	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Truck Mount Portable Conveyor	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Welder	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Wheel Tractors, Farmall Type	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators</u>	Yo Yo Pay Dozer	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators- Underground Sewer &amp; Water</u>	Asphalt Plant Operators	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators- Underground Sewer &amp; Water</u>	Assistant Engineer	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment Operators- Underground Sewer &amp; Water</u>	Barrier Machine (zipper)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>



<u>Power Equipment</u>	Batch Plant Operator,				
<u>Operators- Underground</u>	Concrete	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Boat Operator	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Bobcat	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Brokk - Remote	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>	Demolition Equipment				
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Brooms	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Bump Cutter	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Cableways	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Chipper	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Compressor	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					

<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Concrete Finish Machine - Laser Screed	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Conveyors	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes Friction: 200 tons and over	\$86.68	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes, A-frame: 10 tons and under	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>

<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: 20 tons through 44 tons with attachments	\$83.38	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.68	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: Friction cranes through 199 tons	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Cranes: through 19 tons with attachments, a-frame over 10 tons	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Crusher	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Power Equipment</u> <u>Operators- Underground</u> <u>Sewer &amp; Water</u>	Deck Engineer/Deck Winches (power)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>

<u>Power Equipment</u>	Derricks, On Building Work	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Dozers D-9 & Under	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Drilling Machine	\$84.93	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Elevator and man-lift: permanent and shaft type	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Forklift: 3000 lbs and over with attachments	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Forklifts: under 3000 lbs. with attachments	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					

<u>Power Equipment</u>					
<u>Operators- Underground</u>	Gradechecker/Stakeman	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Guardrail Punch	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Hard Tail End Dump				
<u>Operators- Underground</u>	Articulating Off- Road	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Equipment 45 Yards. & Over				
<u>Power Equipment</u>	Hard Tail End Dump				
<u>Operators- Underground</u>	Articulating Off-road	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Equipment Under 45 Yards				
<u>Power Equipment</u>	Horizontal/Directional Drill				
<u>Operators- Underground</u>	Locator	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Horizontal/Directional Drill				
<u>Operators- Underground</u>	Operator	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Hydralifts/boom trucks: 10				
<u>Operators- Underground</u>	tons and under	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Hydralifts/boom trucks:				
<u>Operators- Underground</u>	over 10 tons	\$82.74	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Leverman	\$85.79	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					

Sewer & Water

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Power Equipment

Operators- Underground

Sewer & Water

Loader, Overhead, 6 Yards.  
But Not Including 8 Yards

\$84.08

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Loaders, Overhead Under  
6 Yards

\$83.33

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Loaders, Plant Feed

\$83.33

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Loaders: Elevating Type  
Belt

\$82.71

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Locomotives, All

\$83.33

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Material Transfer Device

\$83.33

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Mechanics: All (Leadmen -  
\$0.50 per hour over  
mechanic)

\$84.93

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Motor Patrol Graders

\$84.08

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Mucking Machine, Mole,  
Tunnel Drill, Boring, Road

\$84.08

**15J**

**11G**

**8X**

<u>Sewer &amp; Water</u>	Header And/or Shield				
<u>Power Equipment</u>	Oil Distributors, Blower				
<u>Operators- Underground</u>	Distribution & Mulch	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Seeding Operator				
<u>Power Equipment</u>	Outside Hoists (Elevators				
<u>Operators- Underground</u>	and Manlifts), Air Tuggers,	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Strato				
<u>Power Equipment</u>	Overhead, bridge type				
<u>Operators- Underground</u>	Crane: 20 tons through 44	\$83.38	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	tons				
<u>Power Equipment</u>	Overhead, bridge type:				
<u>Operators- Underground</u>	100 tons and over	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Overhead, bridge type: 45				
<u>Operators- Underground</u>	tons through 99 tons	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Pavement Breaker	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>					
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Pile Driver (other Than				
<u>Operators- Underground</u>	Crane Mount)	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Plant Oiler - Asphalt,				
<u>Operators- Underground</u>	Crusher	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>	Posthole Digger,	\$79.09	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Operators- Underground</u>	Mechanical				

Sewer & Water

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Power Equipment

Operators- Underground      Power Plant      \$79.09      **15J**      **11G**      **8X**

Sewer & Water

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Power Equipment

Operators- Underground      Pumps - Water      \$79.09      **15J**      **11G**      **8X**

Sewer & Water

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Power Equipment

Operators- Underground      Quad 9, Hd 41, D10 And  
Over      \$84.08      **15J**      **11G**      **8X**

Sewer & Water

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Power Equipment

Operators- Underground      Quick Tower: no cab,  
under 100 feet in height      \$83.33      **15J**      **11G**      **8X**  
Sewer & Water      base to boom

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Power Equipment

Operators- Underground      Remote Control Operator  
On Rubber Tired Earth      \$84.08      **15J**      **11G**      **8X**  
Sewer & Water      Moving Equipment

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Power Equipment

Operators- Underground      Rigger and Bellman      \$79.12      **7A**      **11H**      **8X**  
Sewer & Water

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Power Equipment

Operators- Underground      Rigger/Signal Person,  
Bellman(Certified)      \$82.74      **7A**      **11H**      **8X**  
Sewer & Water

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Power Equipment

Operators- Underground      Rollagon      \$84.08      **15J**      **11G**      **8X**  
Sewer & Water

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Power Equipment

Operators- Underground      Roller, Other Than Plant      \$79.09      **15J**      **11G**      **8X**  
Mix



Sewer & Water

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Power Equipment

Operators- Underground

Sewer & Water

Roller, Plant Mix Or Multi-  
lift Materials

\$82.71

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Roto-mill, Roto-grinder

\$83.33

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Saws - Concrete

\$82.71

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Sewer & Water

Scraper, Self Propelled  
Under 45 Yards

\$83.33

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Scrapers - Concrete &  
Carry All

\$82.71

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Scrapers, Self-propelled:  
45 Yards And Over

\$84.08

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Shotcrete/Gunite  
Equipment

\$79.09

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Shovel, Excavator,  
Backhoe, Tractors Under  
15 Metric Tons

\$82.71

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Shovel, Excavator,  
Backhoe: Over 30 Metric

\$84.08

**15J**

**11G**

**8X**

<u>Sewer &amp; Water</u>	Tons To 50 Metric Tons				
<u>Power Equipment</u>	Shovel, Excavator,				
<u>Operators- Underground</u>	Backhoes, Tractors: 15 To	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	30 Metric Tons				
<u>Power Equipment</u>	Shovel, Excavator,				
<u>Operators- Underground</u>	Backhoes: Over 50 Metric	\$84.93	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Tons To 90 Metric Tons				
<u>Power Equipment</u>	Shovel, Excavator,				
<u>Operators- Underground</u>	Backhoes: Over 90 Metric	\$85.79	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Tons				
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Slipform Pavers	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Spreader, Topsider &	\$84.08	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	Screedman				
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Subgrader Trimmer	\$83.33	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Tower Bucket Elevators	\$82.71	<b>15J</b>	<b>11G</b>	<b>8X</b>
<u>Sewer &amp; Water</u>					
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Tower Crane: over 175'	\$85.84	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	through 250' in height, base to boom				
<u>Power Equipment</u>					
<u>Operators- Underground</u>	Tower crane: up to 175' in	\$84.97	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Sewer &amp; Water</u>	height base to boom				

Sewer & Water

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Power Equipment

Operators- Underground

Sewer & Water

Tower Cranes: over 250' in  
height from base to boom

\$86.68

**7A**

**11H**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Transporters, All Track Or  
Truck Type

\$84.08

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Trenching Machines

\$82.71

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Truck Crane Oiler/Driver:  
100 tons and over

\$83.38

**7A**

**11H**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Truck crane oiler/driver:  
under 100 tons

\$82.74

**7A**

**11H**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Truck Mount Portable  
Conveyor

\$83.33

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Vac Truck (Vactor Guzzler,  
Hydro Excavator)

\$83.33

**15J**

**11G**

**8X**

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Power Equipment

Operators- Underground

Sewer & Water

Welder

\$84.08

**15J**

**11G**

**8X**

---

Power Equipment

Operators- Underground

Wheel Tractors, Farmall  
Type

\$79.09

**15J**

**11G**

**8X**

Sewer & Water

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Power Equipment

Operators- Underground      Yo Yo Pay Dozer      \$83.33      **15J**      **11G**      **8X**

Sewer & Water

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Power Line Clearance Tree  
Trimmers      Journey Level In Charge      \$61.73      **5A**      **4A**

Power Line Clearance Tree  
Trimmers      Spray Person      \$58.44      **5A**      **4A**

Power Line Clearance Tree  
Trimmers      Tree Equipment Operator      \$61.73      **5A**      **4A**

Power Line Clearance Tree  
Trimmers      Tree Trimmer      \$55.14      **5A**      **4A**

Power Line Clearance Tree  
Trimmers      Tree Trimmer  
Groundperson      \$41.68      **5A**      **4A**

Refrigeration & Air  
Conditioning Mechanics      Journey Level      \$90.96      **5A**      **1G**

Residential Brick Mason      Journey Level      \$22.01      **1**

Residential Carpenters      Journey Level      \$26.25      **1**

Residential Cement Masons      Journey Level      \$39.88      **1**

Residential Drywall  
Applicators      Journey Level      \$51.52      **15J**      **4C**

Residential Drywall Tapers      Journey Level      \$25.84      **1**

Residential Electricians      Journey Level      \$44.11      **1**

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Residential Glaziers	Journey Level	\$54.00	<b>7L</b>	<b>1H</b>
Residential Insulation Applicators	Journey Level	\$18.03		<b>1</b>
Residential Laborers	Journey Level	\$16.66		<b>1</b>
Residential Marble Setters	Journey Level	\$22.01		<b>1</b>
Residential Painters	Journey Level	\$20.85		<b>1</b>
Residential Plumbers & Pipefitters	Journey Level	\$40.60		<b>1</b>
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$45.45		<b>1</b>
Residential Sheet Metal Workers	Journey Level	\$32.91		<b>1</b>
Residential Soft Floor Layers	Journey Level	\$22.03		<b>1</b>
Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$53.48		<b>1</b>
Residential Stone Masons	Journey Level	\$71.82	<b>7E</b>	<b>1N</b>
Residential Terrazzo Workers	Journey Level	\$16.66		<b>1</b>
Residential Terrazzo/Tile Finishers	Journey Level	\$39.09		<b>1</b>
Residential Tile Setters	Journey Level	\$35.40		<b>1</b>

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<u>Roofers</u>	Journey Level	\$64.45	<b>5A</b>	<b>3H</b>
<u>Roofers</u>	Using Irritable Bituminous Materials	\$67.39	<b>5A</b>	<b>3H</b>
<u>Sheet Metal Workers</u>	Journey Level (Field or Shop)	\$99.92	<b>7F</b>	<b>1E</b>
Shipbuilding & Ship Repair	New Construction Boilermaker	\$58.93	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Carpenter	\$51.85	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Crane Operator	\$43.00	<b>7V</b>	<b>1</b>
Shipbuilding & Ship Repair	New Construction Electrician	\$58.98	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$91.81	<b>15H</b>	<b>11C</b>
Shipbuilding & Ship Repair	New Construction Laborer	\$58.60	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Machinist	\$58.79	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Operating Engineer	\$43.00	<b>7V</b>	<b>1</b>
Shipbuilding & Ship Repair	New Construction Painter	\$58.72	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Pipefitter	\$59.07	<b>7X</b>	<b>4J</b>

Shipbuilding & Ship Repair	New Construction Rigger	\$58.93	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Sheet Metal	\$58.68	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Shipwright	\$51.85	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$43.00	<b>7V</b>	<b>1</b>
Shipbuilding & Ship Repair	New Construction Welder / Burner	\$58.93	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$58.93	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Carpenter	\$51.85	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$45.06	<b>7Y</b>	<b>4K</b>
Shipbuilding & Ship Repair	Ship Repair Electrician	\$58.98	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$91.81	<b>15H</b>	<b>11C</b>
Shipbuilding & Ship Repair	Ship Repair Laborer	\$58.60	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Machinist	\$58.79	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	<b>7Y</b>	<b>4K</b>
Shipbuilding & Ship Repair	Ship Repair Painter	\$58.72	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$59.07	<b>7X</b>	<b>4J</b>

Shipbuilding & Ship Repair	Ship Repair Rigger	\$58.93	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$58.68	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Shipwright	\$51.85	<b>7X</b>	<b>4J</b>
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	<b>7Y</b>	<b>4K</b>
<u>Sign Makers &amp; Installers</u> (Electrical)	Journey Level	\$58.04	<b>0</b>	<b>1</b>
<u>Sign Makers &amp; Installers</u> (Non-Electrical)	Journey Level	\$37.08	<b>0</b>	<b>1</b>
<u>Soft Floor Layers</u>	Journey Level	\$63.29	<b>15J</b>	<b>4C</b>
<u>Solar Controls For Windows</u>	Journey Level	\$16.66		<b>1</b>
<u>Sprinkler Fitters (Fire Protection)</u>	Journey Level	\$96.99	<b>5C</b>	<b>1X</b>
<u>Stage Rigging Mechanics</u> (Non Structural)	Journey Level	\$16.66		<b>1</b>
<u>Stone Masons</u>	Journey Level	\$71.82	<b>7E</b>	<b>1N</b>
<u>Street And Parking Lot Sweeper Workers</u>	Journey Level	\$16.66		<b>1</b>
<u>Surveyors</u>	Assistant Construction Site Surveyor	\$82.74	<b>7A</b>	<b>11H</b> <b>8X</b>
<u>Surveyors</u>	Chainman	\$79.12	<b>7A</b>	<b>11H</b> <b>8X</b>



<u>Surveyors</u>	Construction Site Surveyor	\$84.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Surveyors</u>	Drone Operator (when used in conjunction with survey work only)	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Surveyors</u>	Ground Penetrating Radar Operator	\$79.12	<b>7A</b>	<b>11H</b>	<b>8X</b>
<u>Telecommunication Technicians</u>	Journey Level	\$67.16	<b>7E</b>	<b>1E</b>	
<u>Telephone Line Construction - Outside</u>	Cable Splicer	\$41.35	<b>5A</b>	<b>2B</b>	
<u>Telephone Line Construction - Outside</u>	Hole Digger/Ground Person	\$27.31	<b>5A</b>	<b>2B</b>	
<u>Telephone Line Construction - Outside</u>	Telephone Equipment Operator (Light)	\$34.53	<b>5A</b>	<b>2B</b>	
<u>Telephone Line Construction - Outside</u>	Telephone Lineperson	\$39.07	<b>5A</b>	<b>2B</b>	
<u>Terrazzo Workers</u>	Journey Level	\$67.51	<b>7E</b>	<b>1N</b>	
<u>Tile Setters</u>	Journey Level	\$65.51	<b>7E</b>	<b>1N</b>	
<u>Tile, Marble &amp; Terrazzo Finishers</u>	Finisher	\$56.34	<b>7E</b>	<b>1N</b>	
<u>Traffic Control Stripers</u>	Journey Level	\$92.44	<b>15L</b>	<b>1K</b>	
<u>Truck Drivers</u>	Asphalt Mix Over 16 Yards	\$78.65	<b>15J</b>	<b>11M</b>	<b>8L</b>

<u>Truck Drivers</u>	Asphalt Mix To 16 Yards	\$77.81	<b>15J</b>	<b>11M</b>	<b>8L</b>
<u>Truck Drivers</u>	Dump Truck	\$77.81	<b>15J</b>	<b>11M</b>	<b>8L</b>
<u>Truck Drivers</u>	Dump Truck & Trailer	\$78.65	<b>15J</b>	<b>11M</b>	<b>8L</b>
<u>Truck Drivers</u>	Other Trucks	\$78.65	<b>15J</b>	<b>11M</b>	<b>8L</b>
<u>Truck Drivers - Ready Mix</u>	Transit Mix	\$78.65	<b>15J</b>	<b>11M</b>	<b>8L</b>
<u>Well Drillers &amp; Irrigation Pump Installers</u>	Irrigation Pump Installer	\$16.66		<b>1</b>	
<u>Well Drillers &amp; Irrigation Pump Installers</u>	Oiler	\$16.66		<b>1</b>	
<u>Well Drillers &amp; Irrigation Pump Installers</u>	Well Driller	\$16.66		<b>1</b>	

Benefit Code Key – Effective 8/31/2024 thru 3/4/2025

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**Overtime Codes**

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

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

**Overtime Codes Continued**

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

**Overtime Codes Continued**

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
  - M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
  - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
  - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

**Overtime Codes Continued**

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

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

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

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

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

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.  
  
On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).
- All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus \$2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. 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.

## Benefit Code Key – Effective 8/31/2024 thru 3/4/2025

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.

### 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).

**Holiday Codes Continued**

- 5. 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.



**Holiday Codes Continued**

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- 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.
- 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.



Benefit Code Key – Effective 8/31/2024 thru 3/4/2025

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.
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.

**Note Codes Continued**

- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.

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

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

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

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

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

**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.

**Note Codes Continued**

9. 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.
- 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.

Benefit Code Key – Effective 8/31/2024 thru 3/4/2025

9. 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.

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

See RCW [39.12.010](#)

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

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

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

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

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

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

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

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

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

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

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

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

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

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

(ii) At multiple points at the project; or

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

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

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

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

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

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

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

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

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

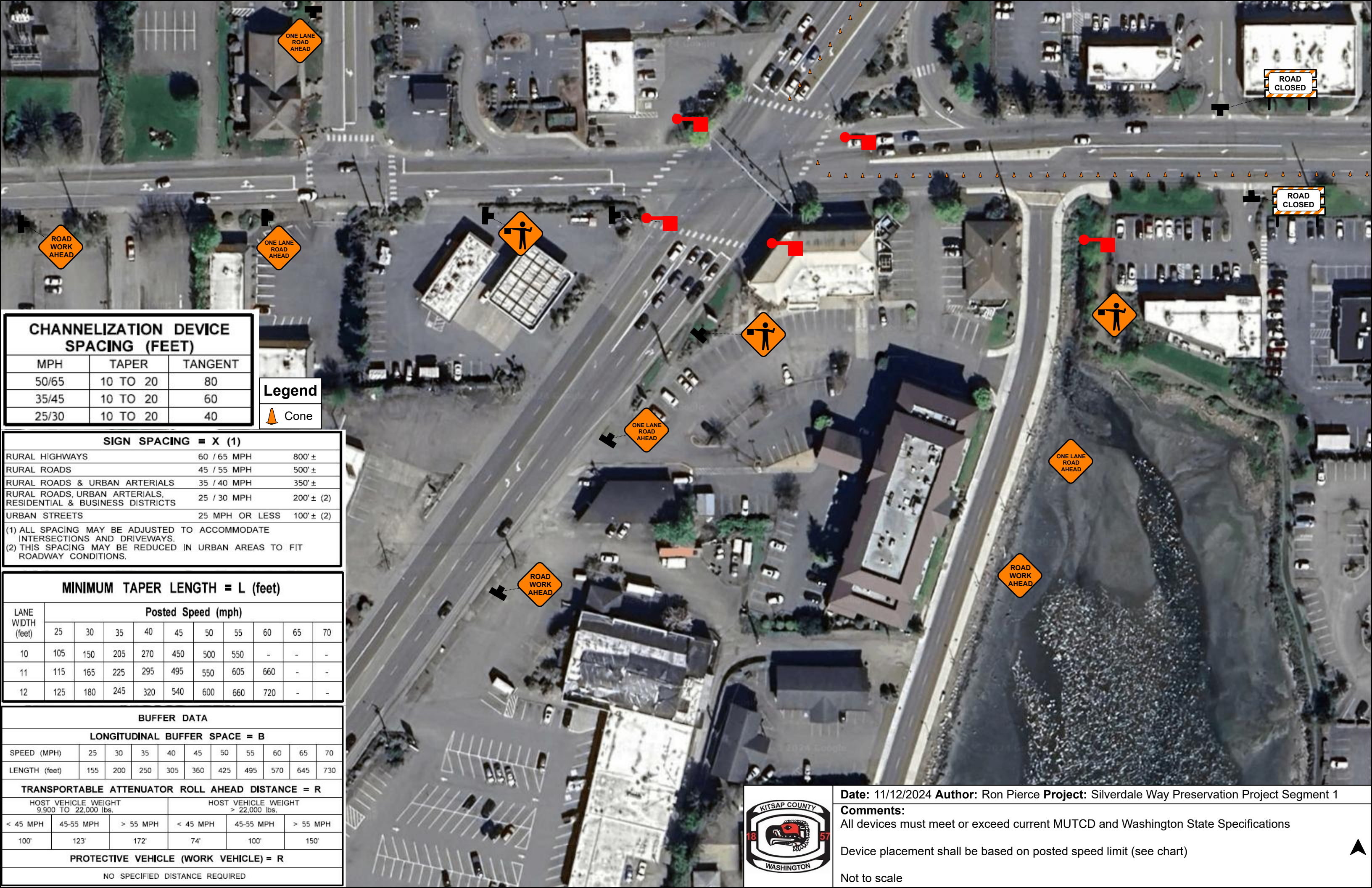
(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or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

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

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

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CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

Legend	
	Cone

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

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

MINIMUM TAPER LENGTH = L (feet)											
LANE WIDTH (feet)	Posted Speed (mph)										
	25	30	35	40	45	50	55	60	65	70	
10	105	150	205	270	450	500	550	-	-	-	
11	115	165	225	295	495	550	605	660	-	-	
12	125	180	245	320	540	600	660	720	-	-	

BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730	

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**  
 NO SPECIFIED DISTANCE REQUIRED



Date: 11/12/2024 Author: Ron Pierce Project: Silverdale Way Preservation Project Segment 1

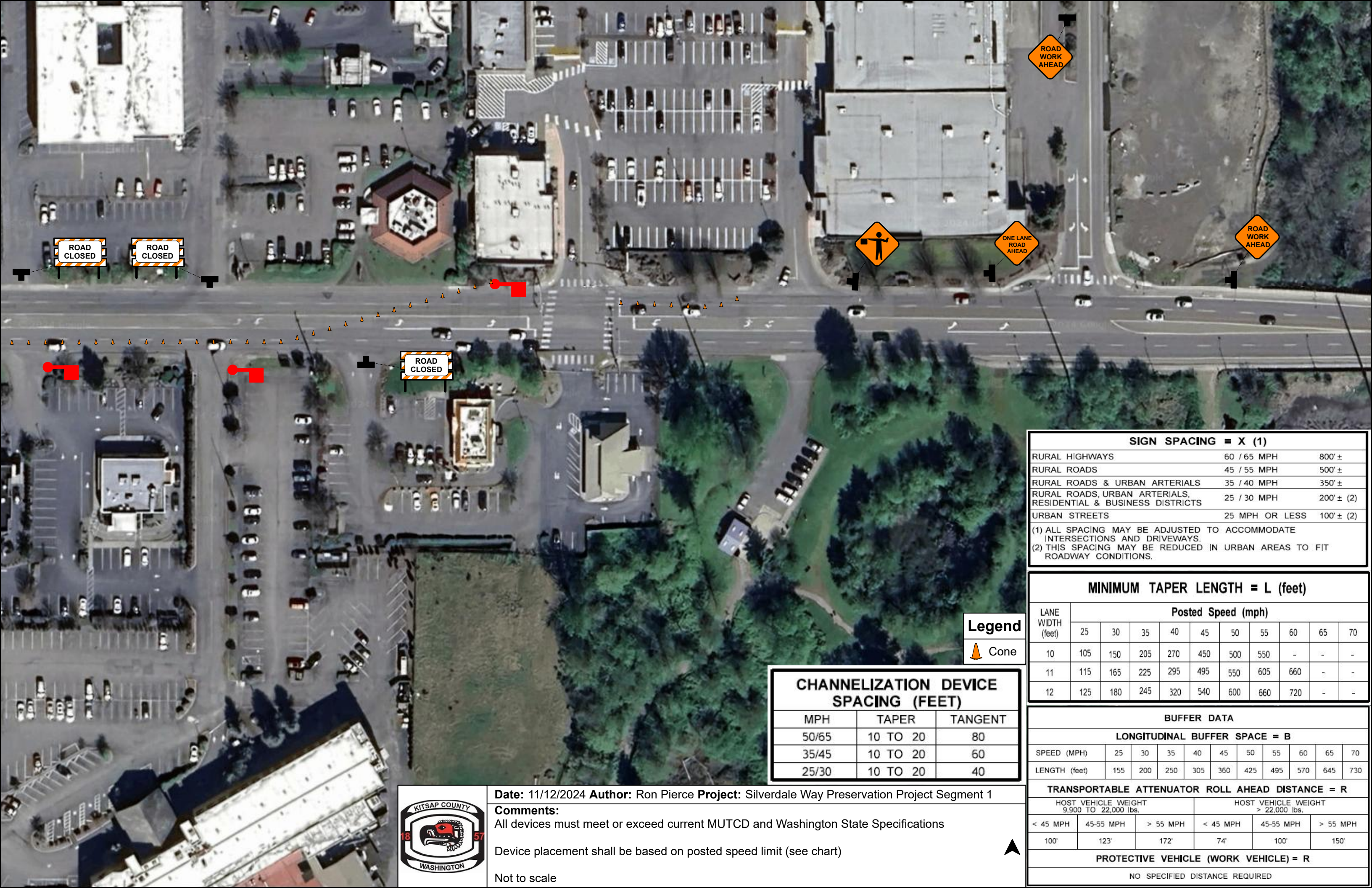
Comments: All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale







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

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

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
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11	115	165	225	295	495	550	605	660	-	-
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< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**  
 NO SPECIFIED DISTANCE REQUIRED

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**  
 Cone



**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 1

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale



**SIGN SPACING = X (1)**

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

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

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**



Cone

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED

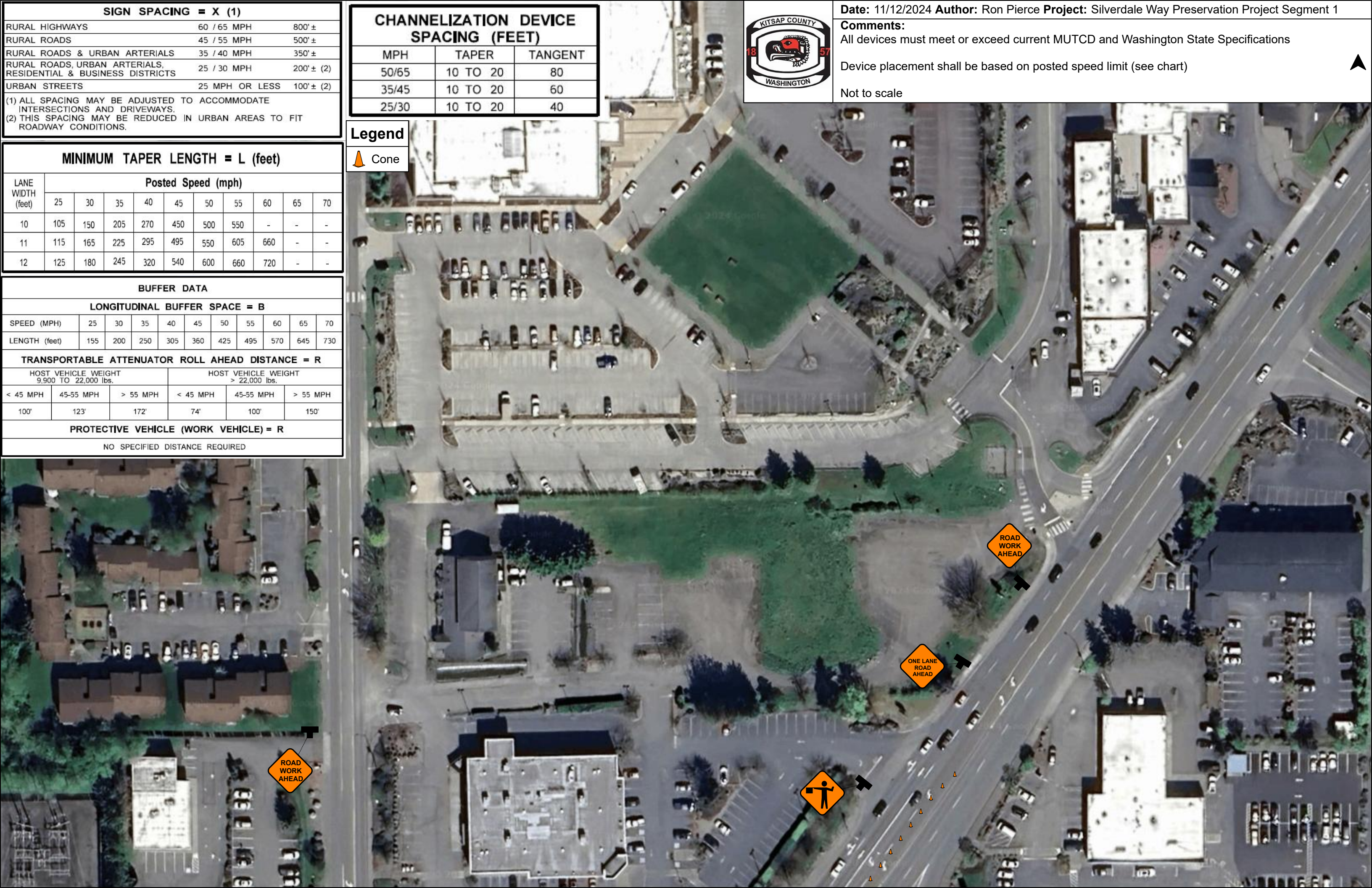


**Comments:**

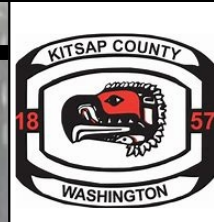
All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale







**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Silverdale Preservation Project Segment 2

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale



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

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MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
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10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
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LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
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< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R		
NO SPECIFIED DISTANCE REQUIRED		

**Legend**  
 Cone

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40





**Comments:**

All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale



**SIGN SPACING = X (1)**

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

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

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED

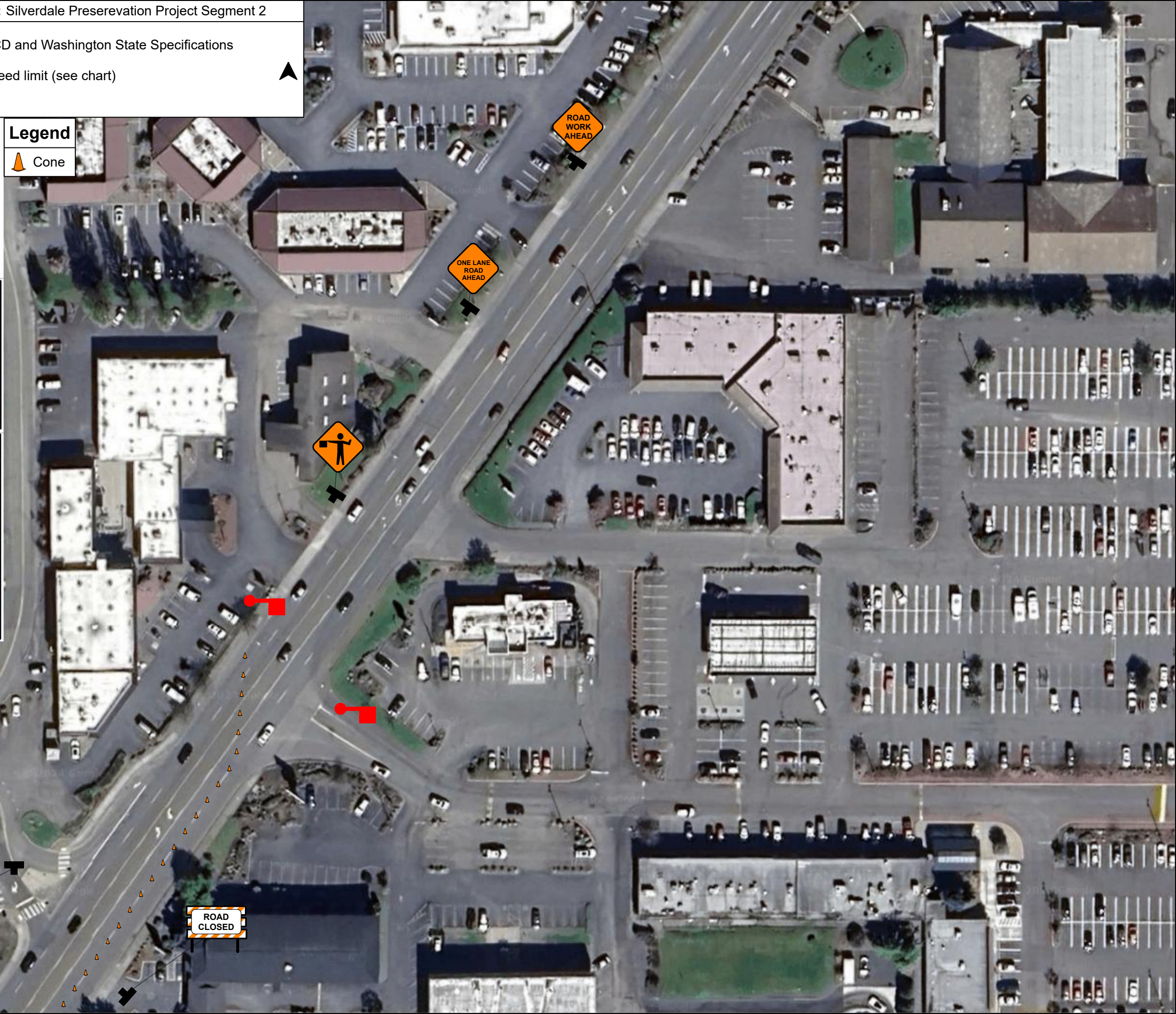
**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**



Cone

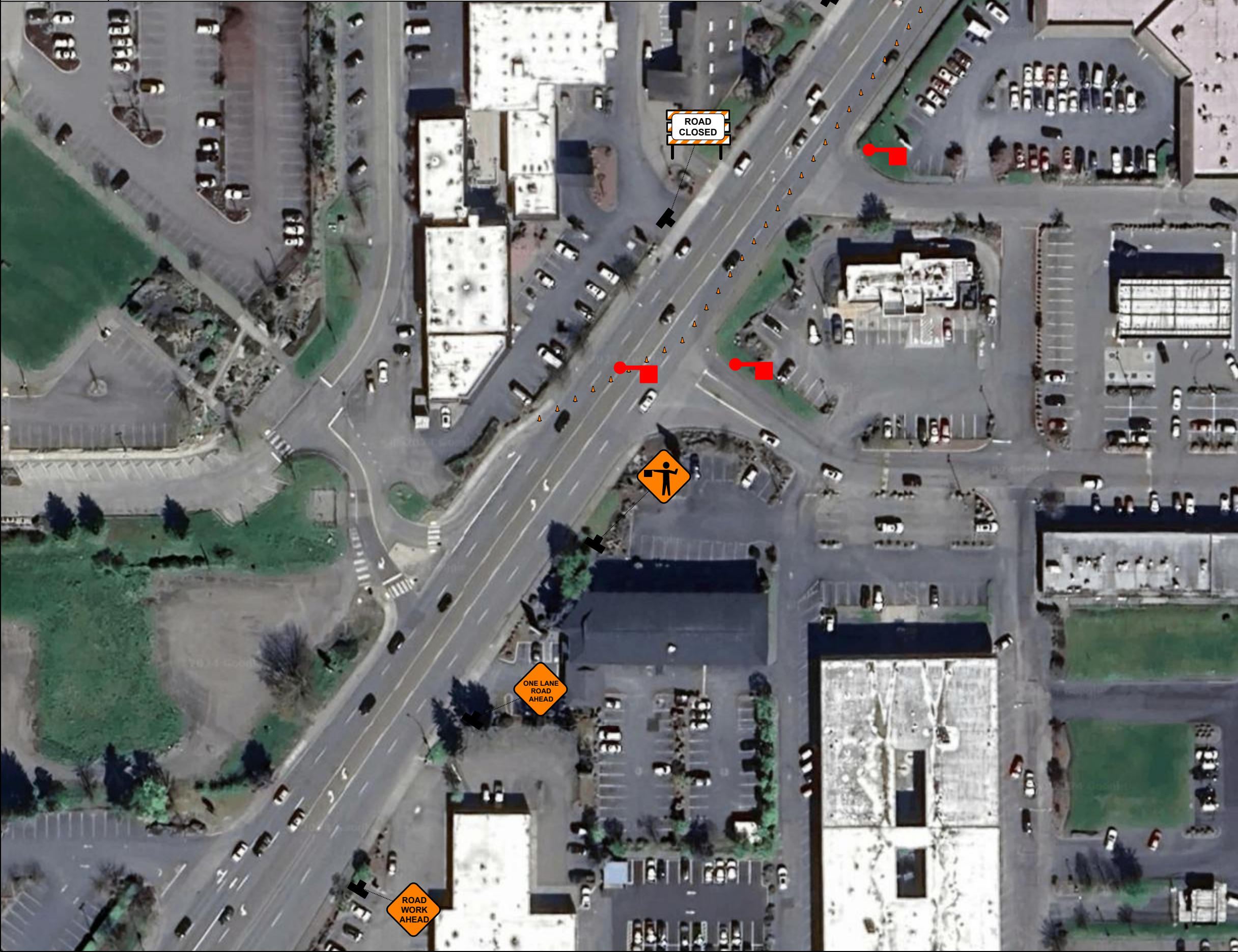






**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 3

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**

Cone

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

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

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

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



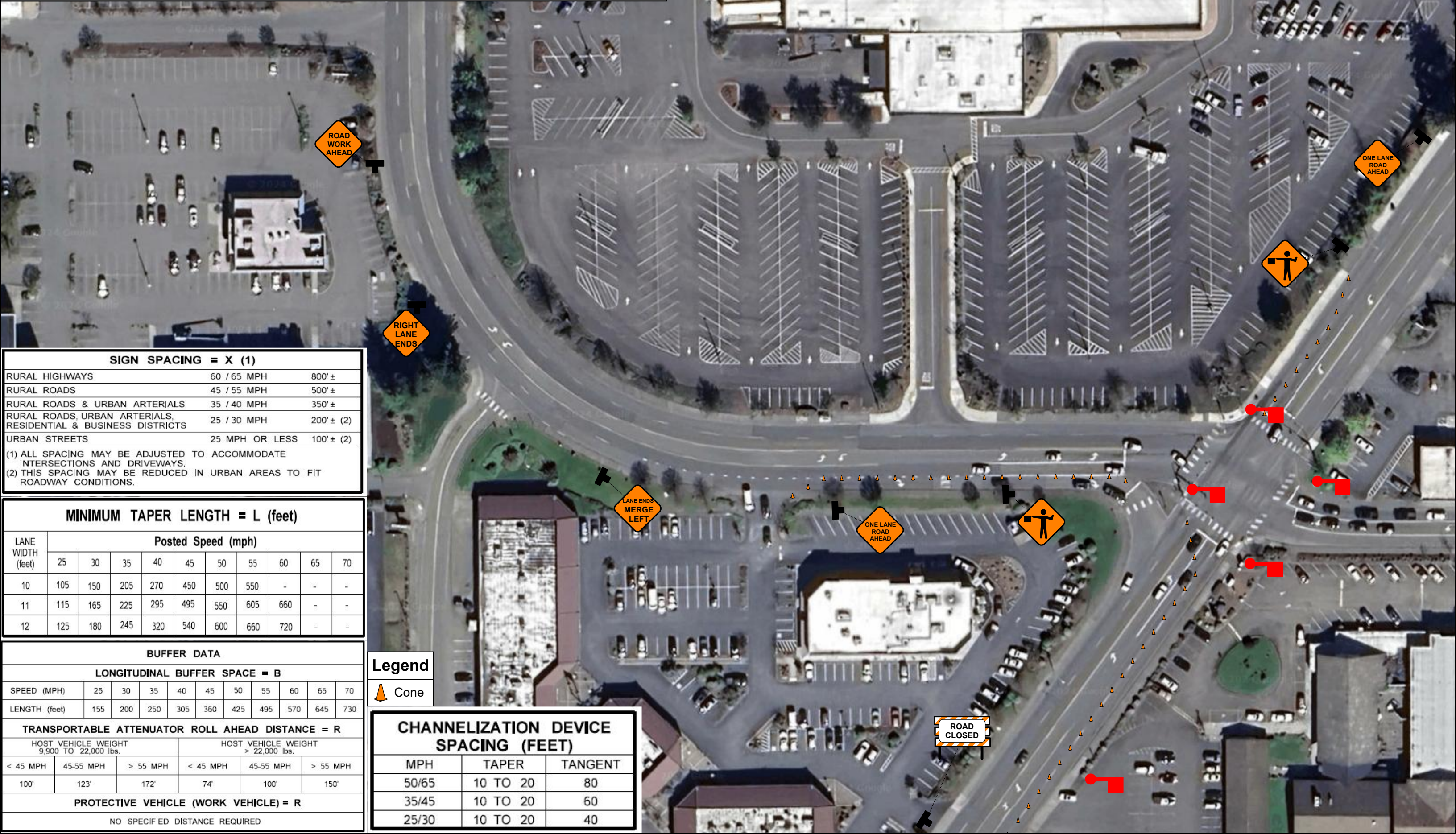


Date: 11/12/2024 Author: Ron Pierce Project: Silverdale Way Preservation Project Segment 3

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale



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

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

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

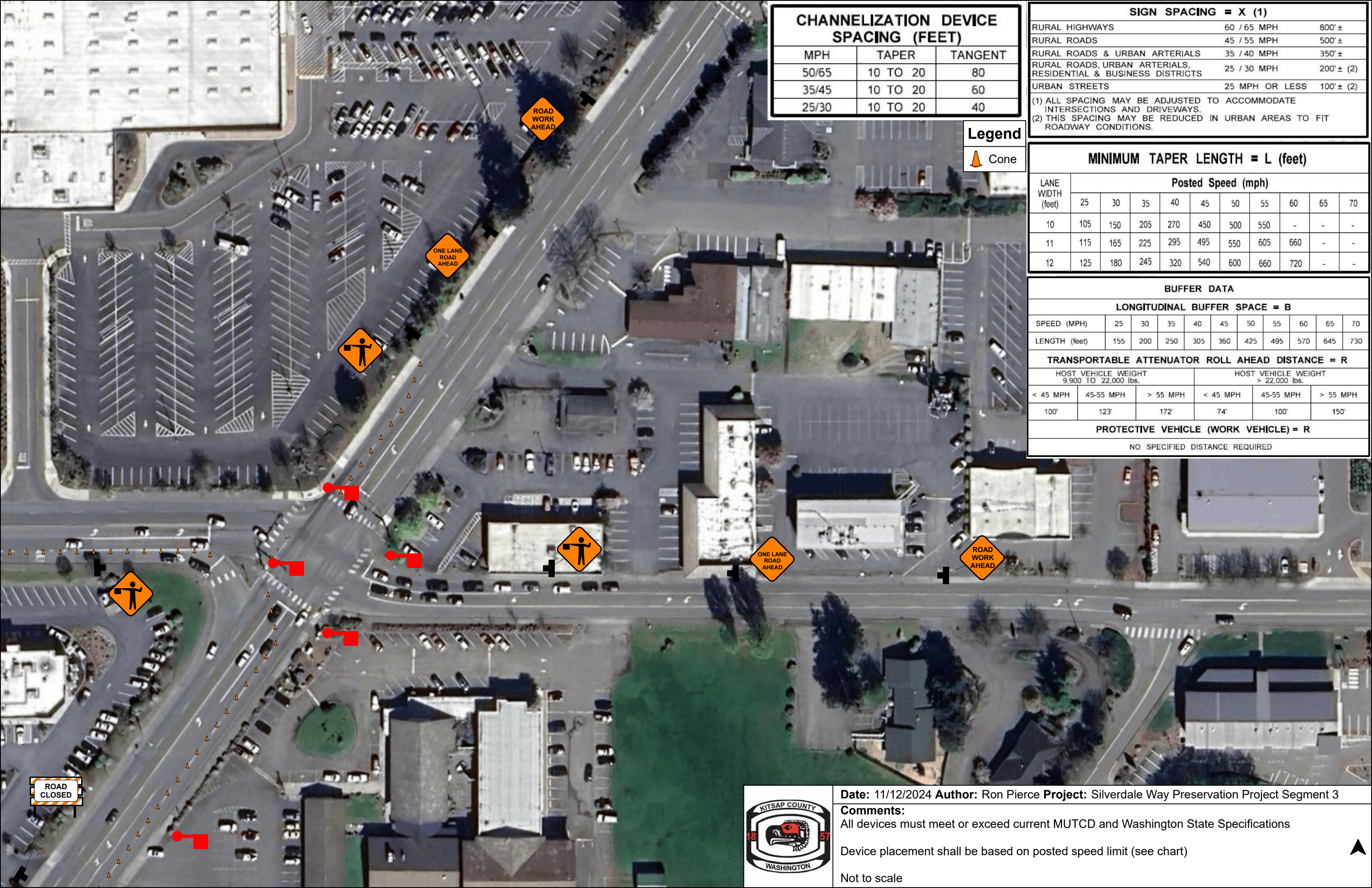
NO SPECIFIED DISTANCE REQUIRED

**Legend**

Cone

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40





### CHANNELIZATION DEVICE SPACING (FEET)

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

### SIGN SPACING = X (1)

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

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

**Legend**  
 Cone

### MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

### BUFFER DATA

#### LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

#### TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

#### PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

**ROAD CLOSED**



**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 3

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale







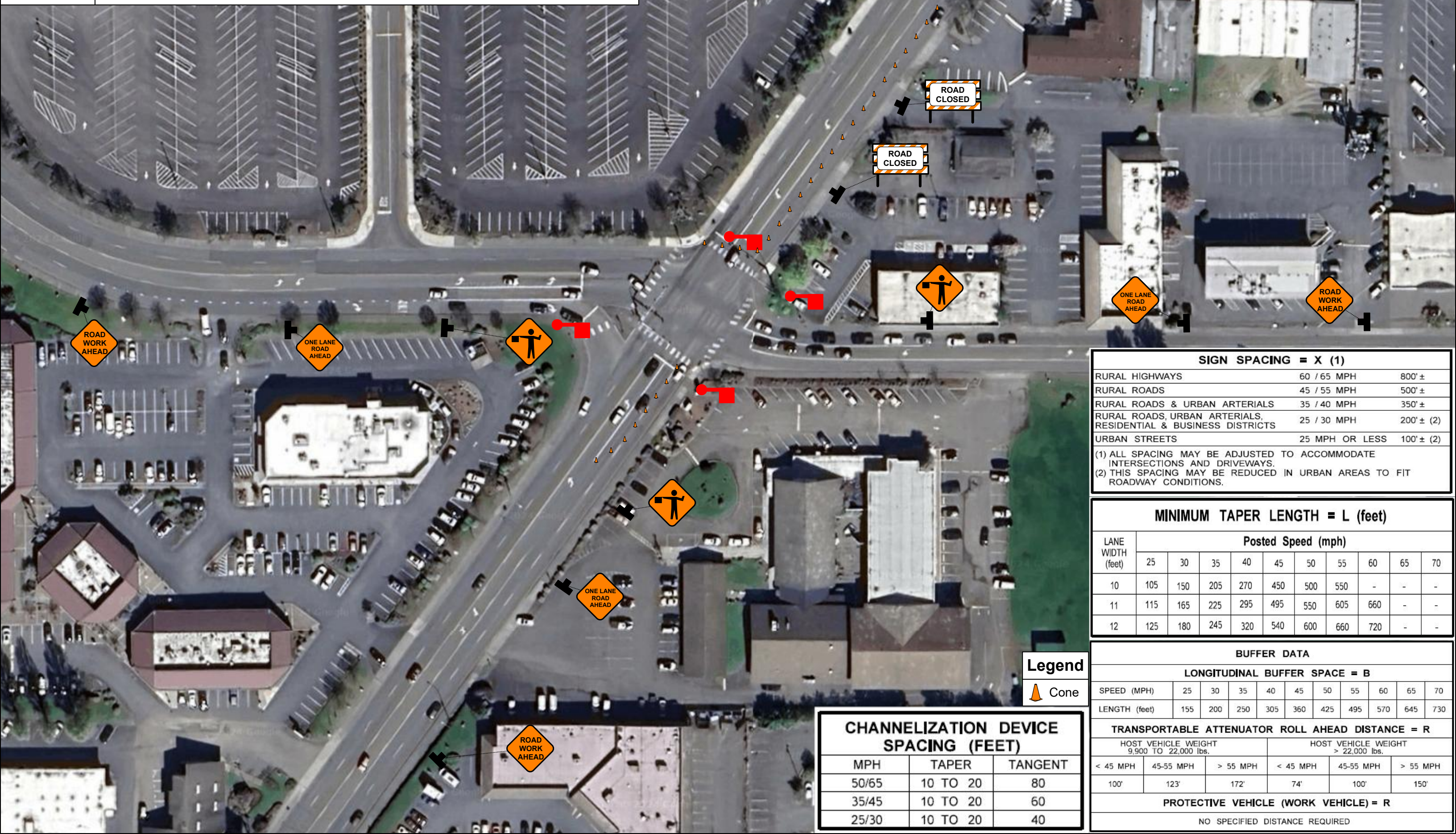
**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Silverdale Preservation Project Segment 4

**Comments:**

All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale



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

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

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

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

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**

Cone



**SIGN SPACING = X (1)**

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

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



Date: 11/12/2024 Author: Ron Pierce Project: Silverdale Preservation Project Segment 4

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale

**Legend**



**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40





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

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

MINIMUM TAPER LENGTH = L (feet)											
LANE WIDTH (feet)	Posted Speed (mph)										
	25	30	35	40	45	50	55	60	65	70	
10	105	150	205	270	450	500	550	-	-	-	
11	115	165	225	295	495	550	605	660	-	-	
12	125	180	245	320	540	600	660	720	-	-	


BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730	

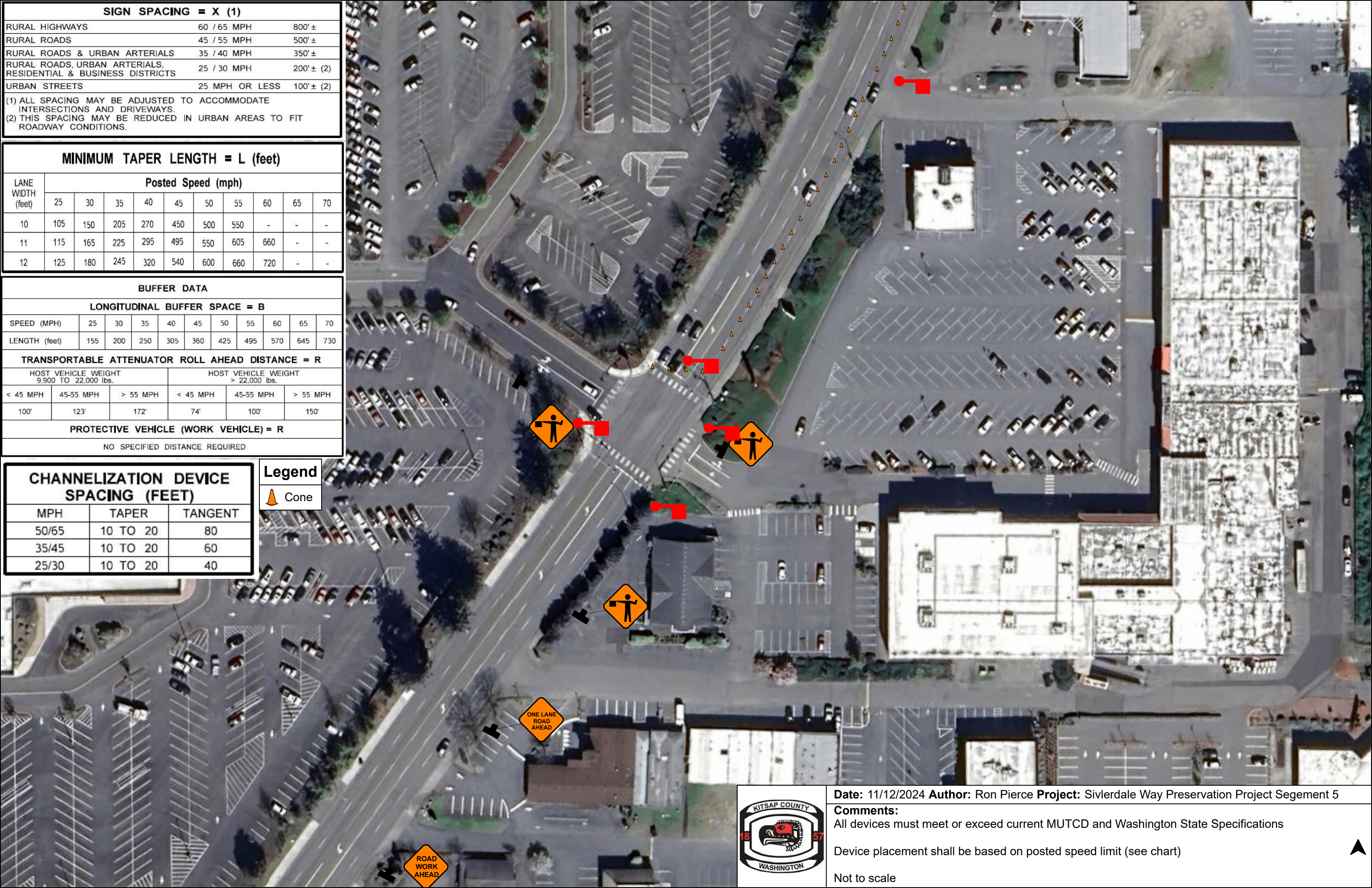
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R	
NO SPECIFIED DISTANCE REQUIRED	

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**

 Cone



**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Sivlerdale Way Preservation Project Segement 5

**Comments:**  
All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale





**SIGN SPACING = X (1)**

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

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

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

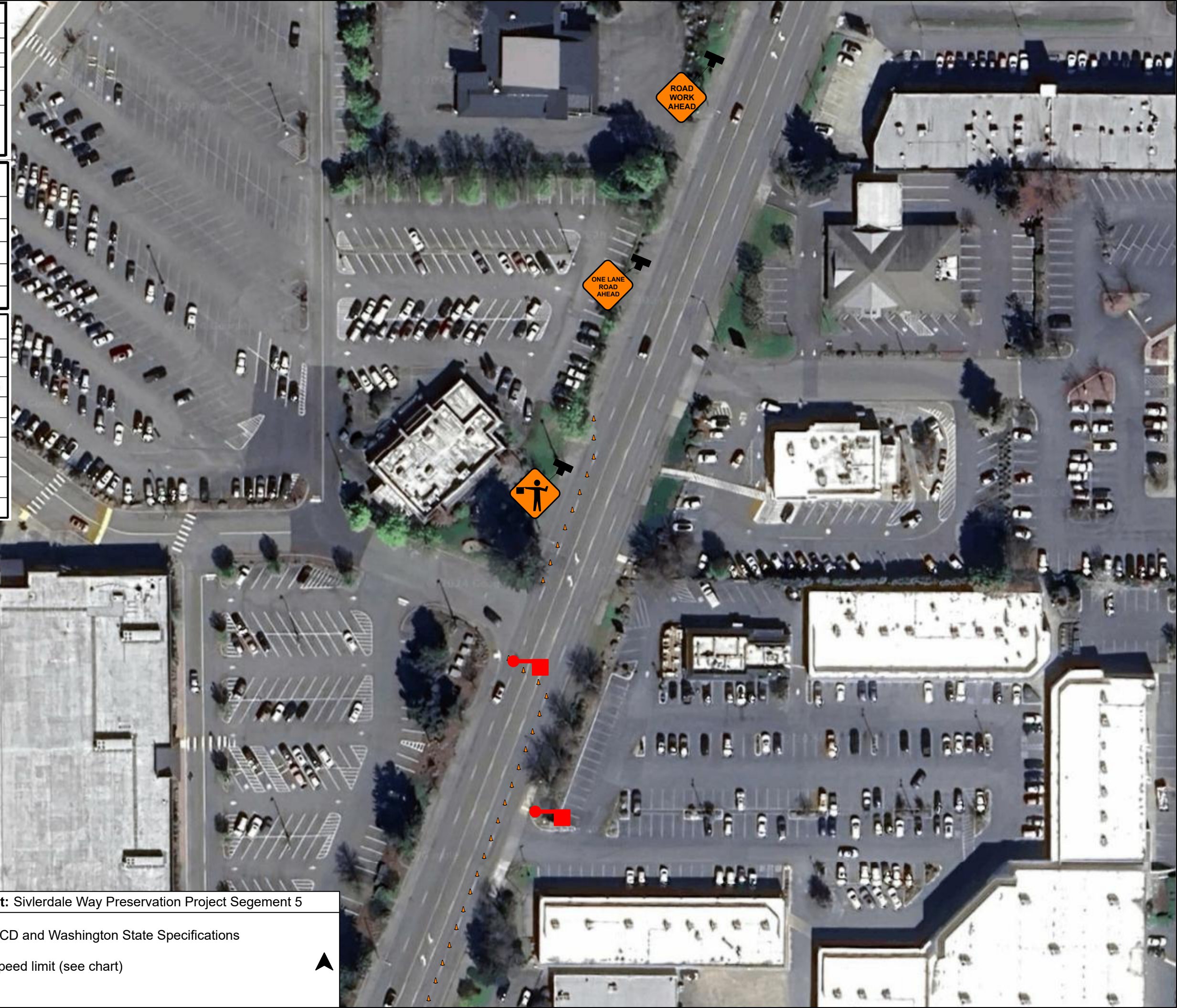
NO SPECIFIED DISTANCE REQUIRED

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**

 Cone



**Date:** 11/12/2024 **Author:** Ron Pierce **Project:** Sivlerdale Way Preservation Project Segement 5

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale





**SIGN SPACING = X (1)**

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

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

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**



**Date:** 11/13/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 6

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale





**SIGN SPACING = X (1)**

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

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



Date: 11/13/2024 Author: Ron Pierce Project: Silverdale Way Preservation Project Segment 6

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale



**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

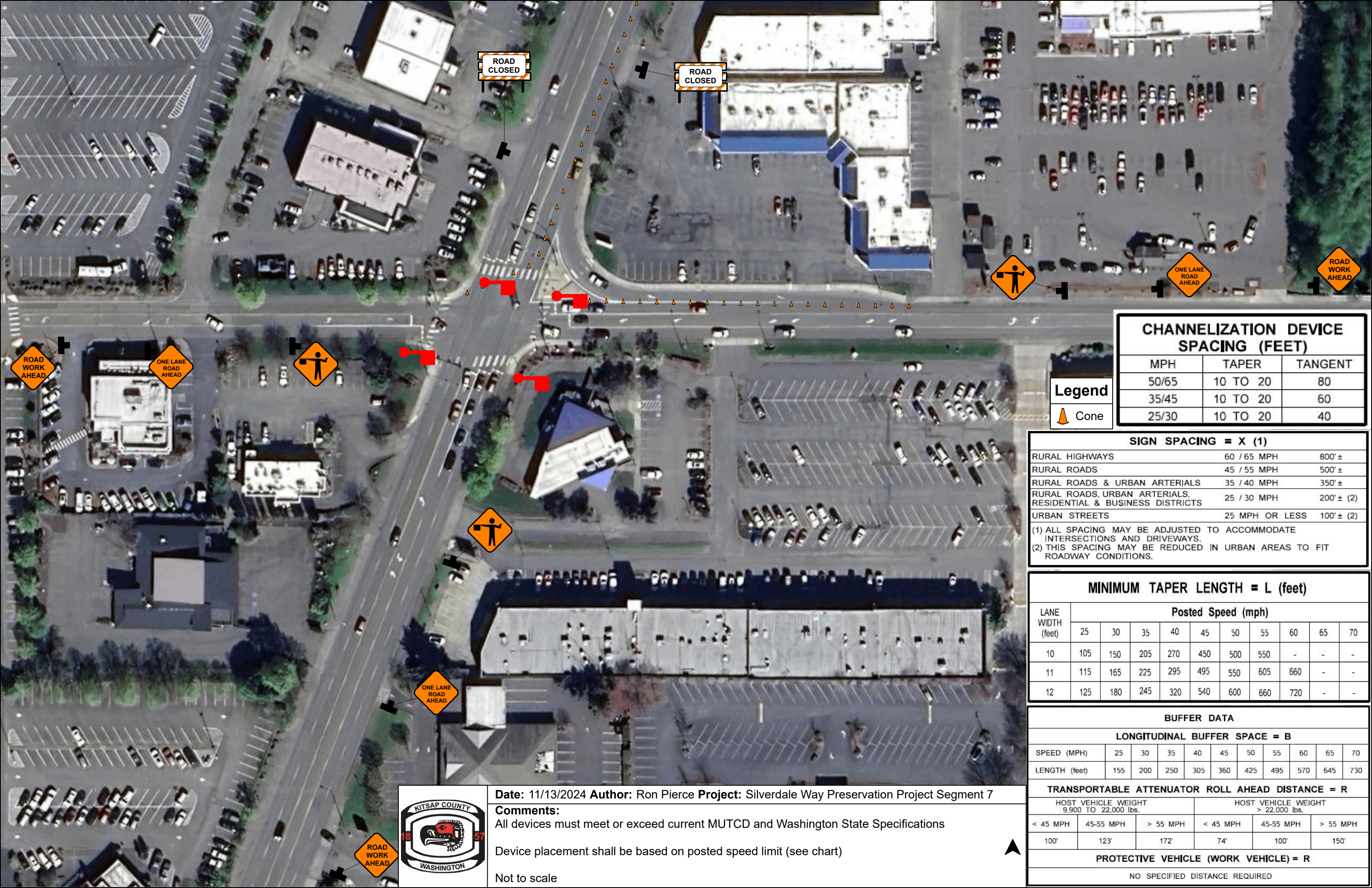
**Legend**

Cone



Access required until businesses close. No alternate entrance.





CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

Legend	
	Cone

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

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

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**  
 NO SPECIFIED DISTANCE REQUIRED



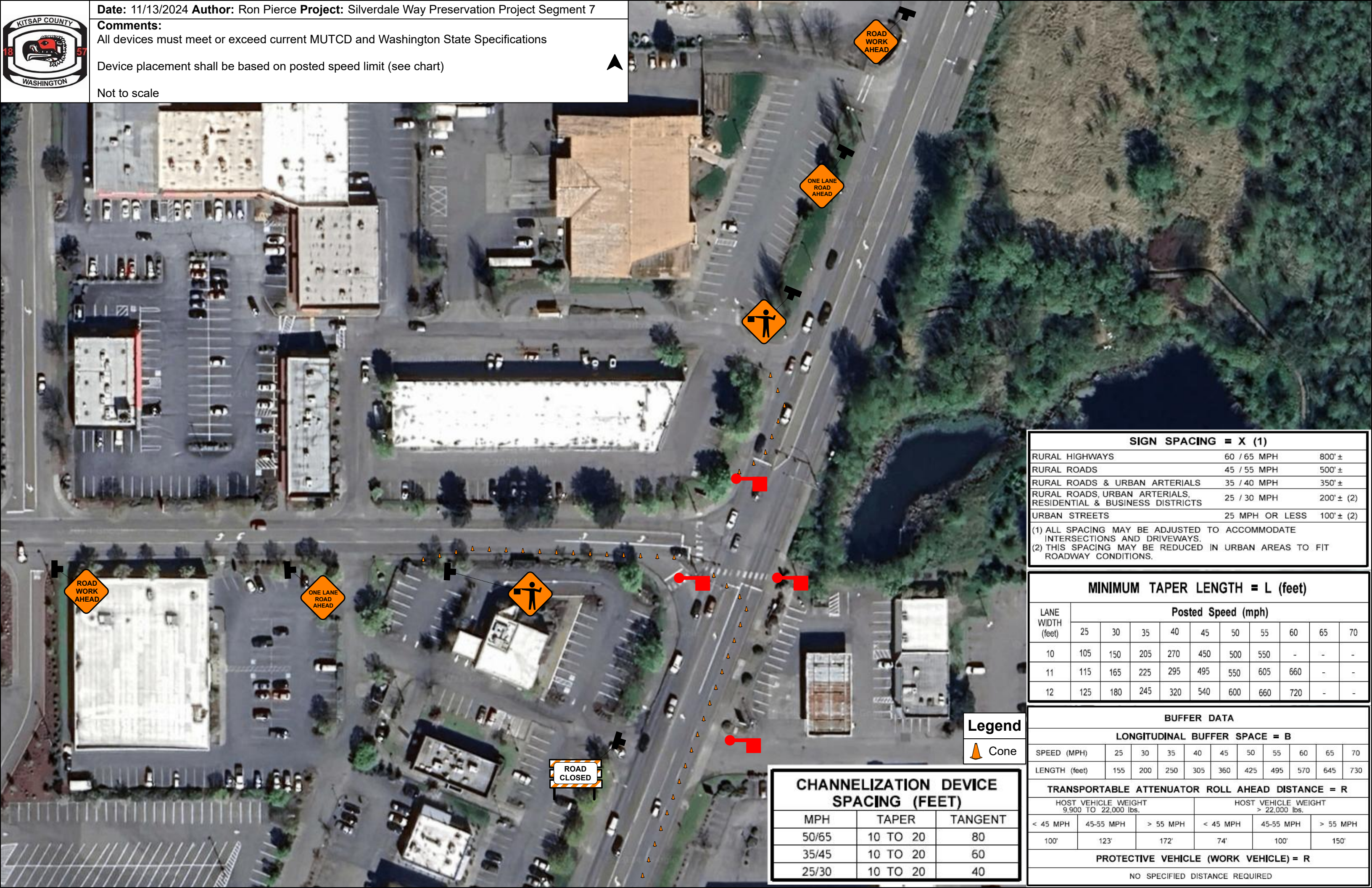
**Date:** 11/13/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 7  
**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale





**Date:** 11/13/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 7

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale



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

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

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**Legend**  
 Cone

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

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





**Date:** 11/13/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 8

**Comments:**  
 All devices must meet or exceed current MUTCD and Washington State Specifications  
 Device placement shall be based on posted speed limit (see chart)  
 Not to scale



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**  
 Cone

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

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

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
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100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										



**SIGN SPACING = X (1)**

RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
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(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**CHANNELIZATION DEVICE SPACING (FEET)**

MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

**Legend**

 Cone

**MINIMUM TAPER LENGTH = L (feet)**

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

**BUFFER DATA**

**LONGITUDINAL BUFFER SPACE = B**

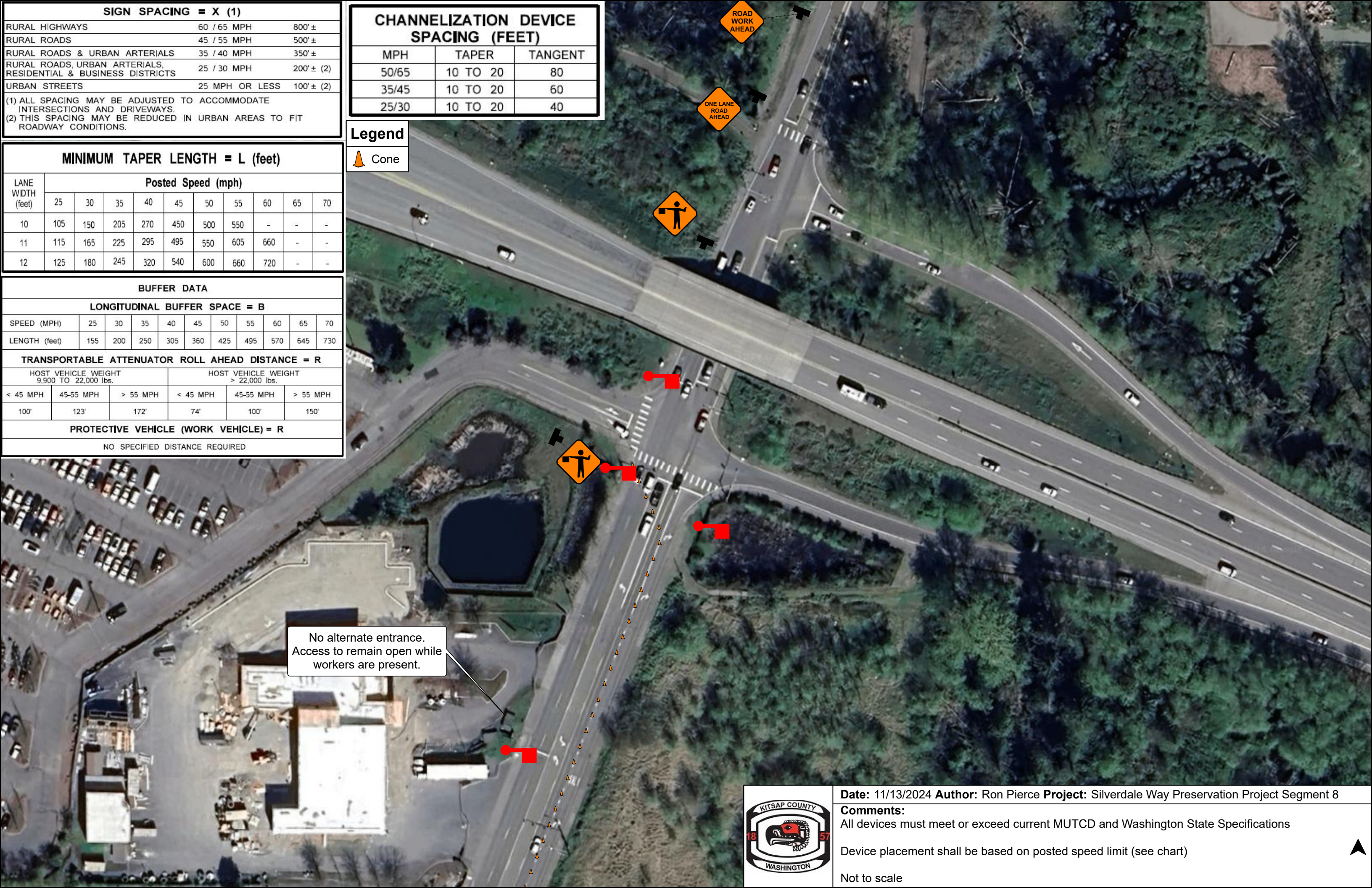
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

**TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R**

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

**PROTECTIVE VEHICLE (WORK VEHICLE) = R**

NO SPECIFIED DISTANCE REQUIRED



No alternate entrance.  
Access to remain open while workers are present.



**Date:** 11/13/2024 **Author:** Ron Pierce **Project:** Silverdale Way Preservation Project Segment 8

**Comments:**  
All devices must meet or exceed current MUTCD and Washington State Specifications

Device placement shall be based on posted speed limit (see chart)

Not to scale

