



***BID AND CONTRACT DOCUMENTS
AND SPECIFICATIONS
FOR***

CITY CENTER GREENWAY

***PROJECT # 36244
RFB #26-007
GRANT FUNDING TIB # C-P-113(003)-1***

***City of Federal Way
Public Works
33325 8th Avenue South
Federal Way, WA 98003***

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

**BID AND CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR
CITY CENTER GREENWAY**

**PROJECT # 36244
GRANT FUNDING # C-P-113(003)-1**

Bids Accepted Until 10:00 a.m., June 12, 2026 at
City of Federal Way
33325 8th Avenue South
Federal Way, WA 98003

Prepared By:
City of Federal Way
Public Works



21-May-2026

The contract plans and specifications for this Project have been reviewed and approved by:

Denise S. Mullen

Public Works Director / Deputy Public Works Director

TABLE OF CONTENTS

PAGE

ADVERTISEMENT FOR BIDS 1
INSTRUCTIONS TO BIDDERS & CHECKLISTS 2
BID PROPOSAL 4
BID BOND 9
SUBCONTRACTOR LIST 10
CONTRACTOR WAGE LAW COMPLIANCE CERTIFICATION 11
PROPOSAL FOR INCORPORATING RECYCLED MATERIALS 12
RETAINAGE OPTION 13
PUBLIC WORKS CONTRACT 14
SAMPLE CONTRACT CHANGE ORDER 21
CERTIFICATE OF INSURANCE 23
PERFORMANCE AND PAYMENT BOND 24
RETAINAGE BOND TO CITY OF FEDERAL WAY 26

SPECIAL PROVISIONS

APX A: STANDARD PLANS AND DETAILS

APX B: PREVAILING WAGES AND BENEFIT CODE KEY

PROJECT PLANS (BOUND SEPARATELY)

ADVERTISEMENT FOR BIDS **CITY CENTER GREENWAY**

SUBMITTAL OF SEALED BIDS: Notice is hereby given that the City of Federal Way will receive sealed bids through June 12, 2026, at 10:00 a.m. at the City Hall Finance Department at 33325 8th Avenue South, Federal Way, Washington 98003. Proposals received after said date and time will not be considered. All timely bids will be opened and read publicly aloud in the Hylebos Conference Room, City Hall 33325 8th Avenue South, Federal Way, Washington 98003 at 10:05 a.m. on June 12, 2026.

This project shall consist of: Pavement repair, slurry seal, curbing, removal and replacement of traffic markings, and traffic signal modifications on 20th Avenue S and on S 308 Street.

The City anticipates awarding this project to the successful bidder and intends to give Notice to Proceed as soon as the Contract and all required documents are executed in full. Regardless of the date of award or Notice to Proceed, the Contractor must complete all work within 20 working days.

BID DOCUMENTS: Plans, Specifications, Addenda, and plan holders list are available on-line through Builders Exchange of Washington at www.bxwa.com. Click on: "Posted Projects," "Public Works," and "City of Federal Way." It is recommended that Bidders "Register" in order to receive automatic e-mail notification of future addenda and to place themselves on the "Bidders List." Bidders that do not register will need to periodically check on-line for addenda issued on this project. Contact Builders Exchange of Washington at (425) 258-1303 if you require assistance with access or registration. An informational copy of plans, specifications, and addenda are available for viewing only at the City of Federal Way Finance Department.

QUESTIONS: Any questions must be directed to CHRISTINE MULLEN, P.E., ENGINEERING MANAGER by email at CHRISTINE.MULLEN@FEDERALWAYWA.GOV with the subject "36244: BID QUESTION", or by letter addressed to same. Questions must be received by the City no later than 5:00 p.m. three business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of bids.

OTHER PROVISIONS: All bids and this Project shall be governed by the Contract, as defined by the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction 2026 (Standard Specifications), which is incorporated by this reference as though set forth in full.

All bid proposals shall be in accordance with the Contract and all bid proposals shall be accompanied by a bid deposit or bond in the amount required in the Contract. Forfeiture of the proposal bond or deposit to the City shall be in accordance with the Contract.

The recipient, in accordance with Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color or national origin in consideration for an award. The City encourages minority and women-owned firms to submit bids consistent with the City's policy to ensure that such firms are afforded the maximum practicable opportunity to compete for and obtain public contracts.

The City of Federal Way reserves the right to reject any and all bids, waive any informalities or minor irregularities in the bidding, and determine which bid or bidder meets the criteria set forth in the bid documents.

DATES OF PUBLICATION:

Daily Journal of Commerce
Federal Way Mirror

Publish May 22, 2026 and May 29, 2026
Publish May 22, 2026 and May 29, 2026

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CITY OF FEDERAL WAY

RFB-1
CFW RFB VERSION 2026-APRIL

CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007

INSTRUCTIONS TO BIDDERS & CHECKLISTS

(1) ADVERTISEMENT FOR BIDS AND CONTRACT DOCUMENTS

The Advertisement for Bids and Contract Documents contain bidder instructions that must be complied with.

(2) EXAMINATION OF BID AND CONTRACT DOCUMENTS – BIDDER RESPONSIBILITIES

The submission of a bid shall constitute an acknowledgment upon which the City may rely that the bidder has thoroughly examined and is familiar with the bid and Contract Documents, the Project site, the availability of materials and labor, publically available information, and has reviewed and inspected all applicable federal, state, and local statutes, regulations, ordinances and resolutions dealing with or related to the equipment and/or services to be provided herein. The failure or neglect of a bidder to examine such documents, statutes, regulations, ordinances or resolutions shall in no way relieve the bidder from any obligations with respect to the bidder's bid or the contract documents. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any contract documents, statutes, regulations, ordinances or resolutions. Bidders shall visit delivery and service locations(s) as required. Bidders shall become familiar with and verify any environmental factors, which may impact current or future prices for this requirement.

(3) INTERPRETATION OF BID AND CONTRACT DOCUMENTS

No oral clarifications, interpretations, or representation will be made to any bidder as to the meaning of the bid or Contract Documents. Bidders shall not rely upon any oral statement or conversation they may have with City's employees, agents, representatives, consultants, or design professionals regarding the Contract Documents, whether at the pre-bid meeting or otherwise and no oral communications will be binding upon the City. Any questions must be directed to CHRISTINE MULLEN, P.E., ENGINEERING MANAGER by email at CHRISTINE.MULLEN@FEDERALWAYWA.GOV with the subject "36244: BID QUESTION", or by letter addressed to same. The questions must be received by the City no later than 5:00 p.m. three business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their bids. Any interpretation deemed necessary by the City will be in the form of an Addendum to the bid documents and when issued will be sent as promptly as is practical to all parties to whom the bid documents have been issued. All such Addenda shall become part of the bid.

(4) BID PRICE

The bid price shall include everything necessary for the completion of the Contract and the Work including, but not limited to, furnishing all materials, equipment, tools, freight charges, facilities and all management, superintendence, labor and service, except as may be provided otherwise in the Contract Documents. All Washington State sales tax and all other government taxes, assessments and charges shall be included in the various Bid item prices as required by law. The offer shall remain in effect ninety (90) days after the bid opening.

(5) POSTPONEMENT OF BID OPENING

The City reserves the right to postpone the date and time for the opening of bids by Addendum at any time prior to the bid opening date and time announced in these documents.

(6) REJECTION OF BIDS

The City reserves the right to reject any bid for any reason including, but not limited to, the reasons listed in Special Provisions Section 1-02.13. The City further reserves the right to reject any portion of any bid and/or to reject all bids. In consideration for the City's review and evaluation of its bid, the bidder waives and releases any claims against the City arising from any rejection of any or all bids. If, in the opinion of the City, there is reason to believe that collusion exists among bidders, none of the bids of the participants in such collusion will be considered.

(7) RECYCLED PRODUCTS

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

The Contractor shall use recycled paper for proposals and for any printed or photocopied material created pursuant to a contract with the City whenever practicable and use both sides of paper sheets for reports submitted to the City whenever practicable.

(8) BIDDER'S CHECKLIST

The bidder's attention is especially called to the following forms, which must be executed in full as required. Failure to comply may result in rejection of any bid not so complying.

- Bid Proposal**: The Bid Proposal shall be completed and fully executed, including filling in the total bid amount.
- Bid Bond**: This form is to be executed by the bidder (and the surety company as appropriate, depending upon the option selected by the bidder).
- Subcontractor List**: The Subcontractor List shall be filled in by the bidder.
- Contractor Certification – Wage Law Compliance**: This form shall be filled in and fully executed by the bidder.
- Proposal for Incorporating Recycled Materials**: This form shall be filled in and executed by the bidder.
- Retainage Option**: This form shall be filled in and executed by the bidder to inform the City of their Retainage Option in the event they are the lowest, responsive, responsible bidder..

(9) CONTRACT CHECKLIST

The following documents are to be executed and delivered to the City after the Bid is awarded:

- Public Works Contract**: The successful bidder will fully execute and deliver to the City the Public Works Contract ("Contract") from these Bid Documents.
- Certificate of Insurance**: The successful bidder will provide a Certificate of Insurance evidencing the insurance requirement set forth in the Contract.
- Performance/Payment Bond**: The successful bidder will provide a fully executed Performance/Payment Bond as appropriate.
- Contractor's Retainage Bond**: If the retainage bond option is chosen, then the successful bidder will fully execute and deliver to the City the Contractor's Retainage Bond.
- Business License**: The successful bidder will provide a copy of a current Business License with the City of Federal Way.

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BID PROPOSAL
CITY CENTER GREENWAY

PROPOSAL SUBMITTED TO:

City of Federal Way
33325 8th Ave South
Federal Way, Washington 98003-6325

PROPOSAL SUBMITTED BY:

Bidder: _____
Full Legal Name of Firm

Contact: _____
Individual with Legal Authority to sign Bid and Contract

Address: _____
Street Address

City, State Zip

Phone: _____

E-Mail: _____

- Select One of the Following:
- Corporation
 - Limited Liability Company/Partnership
 - Individual
 - Other

State Contractor's License No.: _____

State Contractor's License Expiration Date: _____ / _____ / _____
Month Day Year

State UBI No.: _____

Employment Security Department No.: _____

Labor and Industries Department Account, ID No.: _____

NOTE: All entries shall be written in ink or typed. Unit prices for all items, all extensions, and total amount of bid shall be shown. Enter unit prices in numerical figures only, in dollars and cents to two (2) decimal places (including for whole dollar amounts). All figures must be clearly legible. Bids with illegible figures in the unit price column will be regarded as nonresponsive. Where conflict occurs between the unit price and the total amount specified for any item, the unit price shall prevail, and totals shall be corrected to conform thereto. The Bidder shall complete this entire Bid Form or this bid may be considered non-responsive. The City may correct obvious mathematical errors. The City of Federal Way reserves the right to reject any and all bids, waive any informalities or minor irregularities in the bidding, and determine which bid or bidder meets the criteria set forth in the bid documents.

SCHEDULE A: ROADWAY IMPROVEMENTS						
<i>All unit prices shall include applicable sales tax (Roadway Improvements)</i>						
Item No.	Spec. Div.	Bid Item Description	Unit	Plan Qty	Unit Price	Amount
1	1-04	MINOR CHANGE	FA	1	\$25,000.00	\$25,000.00
2	1-05	ROADWAY SURVEYING	LS	1	\$	\$
3	1-07	SPCC PLAN	LS	1	\$	\$
4	2-01	MOBILIZATION	LS	1	\$	\$
5	2-04	PEDESTRIAN TRAFFIC CONTROL	LS	1	\$	\$
6	2-04	TRAFFIC CONTROL SUPERVISOR	LS	1	\$	\$
7	2-04	FLAGGERS	HR	160	\$	\$
8	2-04	OTHER TRAFFIC CONTROL LABOR	HR	40	\$	\$
9	2-04	PORTABLE CHANGEABLE MESSAGE SIGN	HR	960	\$	\$
10	2-04	WORK ZONE SAFETY CONTINGENCY	FA	1	\$5,000.00	\$5,000.00
11	2-04	UNIFORMED POLICE OFFICER	HR	40	\$	\$
12	3-02	SAWCUTTING	LF	470	\$	\$
13	3-03	ROADWAY EXCECATION INCL. HAUL	CY	46	\$	\$
14	4-05	CRUSHED SURFACING TOP COURSE	TN	125	\$	\$
15	5-02	SLURRY SEAL	SY	7700	\$	\$
16	5-02	SURFACE PREPARATION	SY	7700	\$	\$
17	5-04	REMOVE AND REPLACE HMA SPEED HUMP	EA	3	\$	\$

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CITY OF FEDERAL WAY

RFB-5

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

18	5-04	HMA CL. ½ IN. PG58H-22	TN	38	\$	\$
19	5-04	ASPHALT BAR	LF	300	\$	\$
20	8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	LS	1	\$	\$
21	8-02	PROPERTY RESTORATION	FA	1	\$5,000.00	\$5,000.00
22	8-04	EXTRUDED CURB	LF	360	\$	\$
23	8-20	TRAFFIC SIGNAL SYSTEM MODIFICATIONS – 20TH AVENUE S AND S 312TH STREET	LS	1	\$	\$
24	8-21	PERMANENT SIGNING	LS	1	\$	\$
25	8-22	PAINT LINE	LF	3600	\$	\$
26	8-22	PLASTIC LINE	LF	50	\$	\$
27	8-22	PROFILED PLASTIC WIDE LINE	LF	1800	\$	\$
28	8-22	PLASTIC STOP LINE	LF	110	\$	\$
29	8-22	PLASTIC CROSSWALK LINE	SF	500	\$	\$
30	8-22	PAINTED SHARED LANE SYMBOL	EA	21	\$	\$
31	8-22	PLASTIC SPEED BUMP SYMBOL	EA	3	\$	\$
32	8-23	TEMPORARY PAVEMENT MARKING - SHORT DURATION	LF	9000	\$	\$
33	8-23	TEMPORARY STOP LINE - SHORT DURATION	LF	20	\$	\$
34	8-23	TEMPORARY CROSSWALK LINE - SHORT DURATION	SF	140	\$	\$
35	8-23	TEMPORARY MISC. PAVEMENT MARKING - SHORT DURATION	EA	3	\$	\$
36	8-33	RESOLUTION OF UTILITY CONFLICTS	FA	1	\$10,000.00	\$10,000.00
TOTAL – SCHEDULE A						\$

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CITY OF FEDERAL WAY

RFB-6

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

BID SUMMARY	
ITEM	BID AMOUNT
SCHEDULE A: ROADWAY IMPROVEMENTS	\$
TOTAL BID AMOUNT <i>(including Washington State sales tax, all other government taxes, assessments and charges)</i>	\$

The documents incorporated by reference, as if fully set forth, are the Advertisement for Bids, the Instructions to Bidders and Checklists, the Contractor's Bid Proposal (including all forms and supplemental information listed on the Bidders Checklist), the Contract Documents (including Project Plans, Specifications, and all Appendices, Amendments, and Supplemental Reports & Information), the Contract Provisions (including all forms and supplemental information listed on the Contract Checklist), the version of the Washington State Standard Specifications for Road, Bridge, and Municipal Construction identified herein, and any other documents provided to bidders and/or referenced in or referred to by the Contract Documents.

Pursuant to and in compliance with the Advertisement for Bids for the Project, and other documents relating thereto, the undersigned has carefully examined all of the bid and contract documents, considered conditions which may affect the delivery, supply and maintenance for the Project, and hereby proposes to furnish all labor, materials and perform all work as required in strict accordance with the contract documents, for the referenced bid amount, inclusive of Washington State sales tax and all other government taxes, assessments and charges as required by law.

NON-COLLUSION AFFIDAVIT

By signing this proposal, the undersigned acknowledges that the 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 this project.

To report rigging activities, call 1-800-424-9071. The U.S. Department of Transportation (USDOT) operates the 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.

CONFLICTS OF INTEREST, GRATUITIES, & NON-COMPETITIVE PRACTICES

By signing this proposal, the undersigned agrees as follows:

- (1) That it has no direct or indirect pecuniary or proprietary interest, that it shall not acquire any interest which conflicts in any manner or degree with the work, services, equipment or materials required to be performed and/or provided under this contract and that it shall not employ any person or agent having any such interests. In the event that the Contractor or its agents, employees or representatives hereafter acquires such a conflict of interest, it shall immediately disclose such interest to the City and take action immediately to eliminate the conflict or to withdraw from this contract, as the City may require; and
- (2) That no person or selling agency except bona fide employees or designated agents or representatives of the Contractor have been employed or retained to solicit or secure this contract with an agreement or understanding that a commission, percentage, brokerage, or contingent fee would be paid; and
- (3) That no gratuities in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any of its agents, employees or representatives, to any official, member or employee of

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the City or other governmental agency with a view toward securing this contract or securing favorable treatment with respect to the awarding or amending, or the making of any determination with respect to the performance of this contract.

AFFIDAVIT OF ELIGIBILITY

The Contractor certifies that it is properly licensed and registered under the laws of the State of Washington and has not been determined to have been in violation of RCW 50.12.070(1)(b), RCW 51.16.070(1)(b), or RCW 82.32.070(2) within the last two years. The Contractor further certifies that it has not been determined, within the last one year, to have committed any combination of two of the following violations or infractions within a five year period: (1) Violated RCW 51.48.020(1) or 51.48.103; or (2) Committed an infraction or violation under Chapter 18.27 RCW.

CERTIFICATION OF LAWFUL EMPLOYMENT

The Contractor hereby certifies that it has complied with all provisions of the Immigration and Nationality Act now or as herein after amended, 8 U.S.C. 1101 et. Seq., and that all employees, including subcontractor employees, are lawfully permitted to perform work in the United States as provided in this agreement with the City of Federal Way.

Receipt of the following Addendums is hereby acknowledged:

Addendum No. ____ Date Issued: _____
Addendum No. ____ Date Issued: _____
Addendum No. ____ Date Issued: _____

The undersigned individual represents and warrants that he or she is dully authorized to execute the bid and all bid documents on behalf of any partnership, joint venture or corporation.

By: _____
Signature

Printed Name

Title

Subscribed and sworn to before me this ____ day of _____, 20__.

Signature of Notary

Printed name of Notary
Notary Public in and for the State of Washington
My commission expires: _____

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BID BOND
CITY CENTER GREENWAY

OPTION 1: BID BOND DEPOSIT

Attached is a deposit in the form of a certified check, cashier's check, or cash in the amount of \$ _____, which amount is not less than five percent (5%) of the total bid.

Principal – Signature of Authorized Official *Date*

Title

—OR—

OPTION 2: BID BOND

KNOW ALL PERSONS BY THESE PRESENTS that we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the City of Federal Way, as Obligee, in the sum of five (5) percent of the total amount of the bid proposal for the payment of which the Principal and the Surety bond themselves, their heirs and executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for the above-mentioned Project according to the terms of the proposal or bid made by the Principal therefore, and the Principal shall duly make and enter into a contract with the Obligee in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall in case of failure so to do, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise, it shall be, and remain in full force and effect, and the Surety shall forthwith pay and forfeit to the Obligee as penalty and liquidated damages, the amount of this bond.

SIGNED, SEALED AND DATED THIS ____ DAY OF _____, 20__.

Principal – Signature of Authorized Official

Surety – Attorney in Fact
(Attach Power of Attorney)

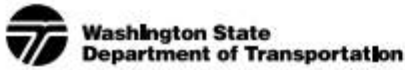
Title

Name and Address of Local Office/Agent of Surety Company is:

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SUBCONTRACTOR LIST



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.

If RCW 39.30.060 requires a proof of license, the license number of that Subcontractor is required. 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
(and License Number if required) _____
Work to be performed _____

Subcontractor Name
(and License Number if required) _____
Work to be performed _____

Subcontractor Name
(and License Number if required) _____
Work to be performed _____

Subcontractor Name
(and License Number if required) _____
Work to be performed _____

Subcontractor Name
(and License Number if required) _____
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.

DOT Form 271-015 Revised 06/2025
• Previous Versions Obsolete •

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CONTRACTOR WAGE LAW COMPLIANCE CERTIFICATION

FAILURE TO RETURN THIS CERTIFICATION AS PART OF THE BID PROPOSAL PACKAGE WILL MAKE THIS BID NONRESPONSIVE AND INELIGIBLE FOR AWARD.

I hereby certify, under penalty of perjury under the laws of the State of Washington, on behalf of the firm identified below that, to the best of my knowledge and belief, this firm has **NOT** been determined by a final and binding citation and notice of assessment issued by the Washington State Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of Chapters 49.46, 49.48, and 49.52 RCW within three (3) years prior to the date of the Request for Bids.

Bidder Name: _____
Print Full Legal Name of Firm

By: _____
Signature of Authorized Person *Print Name of Person Making Certifications for Firm*

Title: _____
Title of Person Signing Certificate Place: _____
Print City and State Where Signed

Date: _____

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PROPOSAL FOR INCORPORATING RECYCLED MATERIALS



APWA-WA Division 1 Committee

rev. 5/13/2022

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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CITY OF FEDERAL WAY

RFB-12
CFW RFB VERSION 2026-APRIL

CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007

RETAINAGE OPTION

IDENTIFICATION AND DESCRIPTION

Project Title: City Center Greenway

RFB No: 26-007

Contractor: _____

GENERAL REQUIREMENTS

1. In accordance with applicable State Statutes, a contract retainage not to exceed five percent of the moneys earned by the contractor will be reserved by the City.
2. All investments selected are subject to City approval.
3. The final disposition of the contract retainage will be made in accordance with applicable State Statutes.

BIDDER'S INSTRUCTIONS

If deemed to be the lowest responsive, responsible bidder and pursuant to RCW 60.28.011, I hereby notify the City of Federal Way of my instructions for the retainage withheld under the terms of the contract and further request the appropriate forms be included in the Contract documents prepared for execution.

- Option 1:** Retained in a fund by the City of Federal Way. No interest will be paid to the contractor.
- Option 2:** Deposited in an interest bearing account in a bank, mutual savings bank, or savings and loan association. Interest paid to the contractor. Contractor shall have the bank (or other) execute a separate "City of Federal Way Retainage Bank Acceptance Agreement" upon contract award. The City will provide the agreement to the Contractor if this option is selected.
- Option 3:** Placed in escrow with a bank or trust company. Contractor shall execute, and have escrow account holder execute a separate "City of Federal Way Construction Retainage Escrow Agreement" upon contract award. The City will provide the agreement to the Contractor if this option is selected. All investments are subject to City approval. The cost of the investment program, and risk thereof, is to be borne entirely by the contractor.
- Option 4:** Contractor shall submit a "Retainage Bond" on City-provided form included in these Contract Documents.

Signature

Date

PUBLIC WORKS CONTRACT

THIS PUBLIC WORKS CONTRACT ("Contract") is dated effective this _____ day of _____, 20____ and is made by and between the City of Federal Way, a Washington municipal corporation ("City or Owner"), and _____, a _____ ("Contractor"), for the project known as _____ (the "Project").

A. The City desires to retain an independent contractor to furnish all labor and materials necessary to perform work necessary to complete the Project; and

B. The Contractor has the requisite skill and experience to perform such work.

NOW, THEREFORE, the parties ("Parties") agree to the following terms and conditions:

1. SERVICES BY CONTRACTOR

Contractor shall perform all Work and furnish all tools, materials, supplies, equipment, labor and other items incidental thereto necessary for the construction and completion of the Project. Contractor shall perform the Work in a manner consistent with accepted practices for other properly licensed contractors and in accordance with and as described in the Contract Documents, which Work shall be completed to the City's satisfaction, within the time period prescribed by the City and pursuant to the direction of the Mayor or his or her designee.

2. TERM

2.1 This Contract shall commence on the effective date of this Contract and continue until the Project is formally accepted as complete by the City Council, Notice of Project Completion is filed with State agencies, and all bonds for the Project are released by the City.

2.2 The Contractor must complete the Work in accordance with the number of Working Days for the Project as identified in the Contract Documents. With regard to obtaining Substantial Completion and the Completion Date by the Contractor, time is of the essence. In the event the Work is not substantially completed within the time specified in the Contract Documents, Contractor agrees to pay to the City liquidated damages in the amount set forth in the Contract Documents. The parties acknowledge that delays inconvenience the public and cost taxpayers undue sums of money, adding time needed for administration, inspection, and supervision of the Project and diverting City resources from other projects and obligations.

2.3 If the Contractor is unreasonably delayed by others, notification shall be made in writing to the Engineer in accordance with the Contract Documents. Any request for a time extension or additional compensation (including expectancy or consequential damages) allegedly resulting from such delay shall be made in accordance with the procedures of the Contract Documents. Failure to follow the notice procedures in the Contract Documents is a full and complete waiver of Contractor's right to additional time, money, damages, or other relief (including expectancy or consequential damages) as a result of the event or condition giving rise to such request.

3. COMPENSATION

3.1 In consideration of the Contractor performing the Work, the City agrees to pay the Contractor an amount not to exceed _____ and ____/100 Dollars (\$ _____), which amount shall constitute full and complete payment by the City ("Total Compensation"). The Contractor shall be solely responsible for the payment of any taxes imposed by any lawful jurisdiction as a result of the performance and payment of this Contract.

3.2 The City shall pay the Contractor for Work performed under this Contract as detailed in the Bid Proposal, which is incorporated herein and made a part hereof by this reference, and as detailed in the Contract Documents. The City shall have the right to withhold payment to the Contractor for any of the Work not completed in a satisfactory manner, in the City's sole and absolute discretion, which shall be withheld until such time as Contractor modifies or repairs the Work so that the Work is acceptable to the City. Payment to the Contractor for partial estimates, final estimates, and retained percentages shall be subject to controlling laws.

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CITY OF FEDERAL WAY

RFB-14

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

3.3 In addition to the requirements set forth in the Contract Documents, the Contractor shall maintain Project cost records by cost codes and shall contemporaneously segregate and separately record, at the time incurred, all costs (1) directly associated with each work activity, (2) directly or indirectly resulting from any event, occurrence, condition, or direction for which Contractor seeks an adjustment in Contract price Contract time, or related to any other Claim or protest. Any work performed for which Contractor intends to seek an adjustment in Contract Price or Contract Time, or related to any other Claim or protest, shall be recorded on the same day the work is performed and kept separate so as to distinguish it from Contract Work.

4. INDEPENDENT CONTRACTOR

4.1 It is the intention and understanding of the Parties that the Contractor shall be an independent contractor and that the City shall be neither liable nor obligated to pay Contractor sick leave, vacation pay or any other benefit of employment, nor to pay any social security or other tax which may arise as an incident of employment. The Contractor shall not conduct itself as nor claim to be an officer or employee of the City. The Contractor shall pay all income and other taxes due. Industrial or any other insurance that is purchased for the benefit of the City, regardless of whether such may provide a secondary or incidental benefit to the Contractor, shall not be deemed to convert this Agreement to an employment contract. It is recognized that Contractor may or will be performing professional services during the Term for other parties; provided, however, that such performance of other services shall not conflict with or interfere with Contractor's ability to perform the Services. Contractor agrees to resolve any such conflicts of interest in favor of the City. Nothing contained in this Contract shall create a contractual or direct relationship with or a cause of action in favor of a Subcontractor or third party against the City, or by the Contractor against the Engineer, or against any of their agents, employees, engineers, or consultants.

4.2 If the Contractor is a sole proprietorship or if this is a contract with an individual, the contractor agrees to notify the City and complete any required form if the Contractor retired under a State of Washington retirement system and agrees to indemnify any losses the City may sustain through the Contractor's failure to do so.

5. INDEMNIFICATION

5.1 Contractor Indemnification.

5.1.1 The Contractor shall indemnify, defend, and hold the City, its elected officials, officers, employees, agents, consultants, and volunteers (collectively "the Indemnified Parties") harmless from any costs or losses, and pay and damages or judgments, related to any claim brought by any person employed in any capacity by the Contractor or subcontractor or supplier (of any tier) performing the Work, with respect to the payment of wages, salaries, or other compensation or benefits including but not limited to benefits such as medical, health, retirement, vacation, sick leave, etc.

5.1.2. To the fullest extent permitted by law, the Contractor shall defend, release, indemnify, and hold harmless the City and the Indemnified Parties for, from, and against any and all claims, demands, losses, costs, damages, suits, actions, expenses, fines, penalties, response costs, and liabilities (including costs and all attorney and expert fees and internal personnel costs of investigation) of whatsoever kind or nature to the extent arising from, resulting from, connected with, or incident to the Contractor's performance or failure to perform this Contract or the Work or its breach of this Contract; provided, however, that if the provisions of RCW 4.24.155 apply to the Work and any injuries to persons or property arising out of the performance of this Contract are caused by or result from the concurrent negligence of the Contractor or its subcontractors, agents, employees, or anyone for whom they are legally liable, and an Indemnified Party, the indemnification and defense obligations under this Section 5.1.2 apply only to the extent of the negligence of the Contractor, its subcontractors, agents, employees, and anyone for whom they are legally liable.

5.1.3 Contractor specifically assumes potential liability for actions brought by the Contractor's own employees or former employees against any Indemnified Party, and for that purpose Contractor waives any immunity that may be granted to it under the Washington State Industrial Insurance Act, Title 51 RCW. Contractor's indemnification shall not be limited in any way by any limitation on the amount of damages, compensation or benefits payable to or by any third party under workers' compensation acts, disability benefit acts or any other benefits acts or programs. Provided, however, the Contractor's waiver of immunity by the

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CITY OF FEDERAL WAY

RFB-15

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

provisions of this paragraph extends only to claims against the Contractor by any Indemnified party, and does not include, or extend to, any claims by the Contractor's employee directly against the Contractor. The Contractor recognizes that this waiver was specifically entered into.

5.2 Contractor Release. Any deviation, alteration, variation, addition, or omission in the Work by Contractor from the Contract Documents shall preclude Contractor from bringing any Claim or request for additional time or compensation on the basis of an alleged defect or error in the Contract Documents related to or arising, in any way, from that deviation, alteration, variation, addition, or omission. The Contractor further warrants that any alteration, variation, deletion, or omission fully complies with or exceeds all requirements of the Contract Documents and assumes all risk thereof.

5.3 Survival. The provisions of this Section shall (1) survive the expiration or termination of this Contract with respect to any event occurring prior to such expiration or termination, final payment hereunder, and any applicable statute of repose with respect to claims, fines, costs or damages brought or made against any Indemnified Party; (2) shall not be limited by RCW 4.16326(g); and (3) are in addition to any other rights or remedies which the City and/or any of the Indemnified Parties may have by law or under this Contract.

5.4 Offset. In the event of any claim or demand made against any Indemnified Party hereunder, the City may, in its sole discretion, reserve, retain or apply any monies due to the Contractor under the Contract or any other agreement or contract with the City for the purpose of resolving such claims; provided, however, that the City may, in the City's sole discretion, release such funds if the Contractor provides the City with adequate assurance of the protection of the City's and the other Indemnified Parties interests.

5.5 The Contractor shall ensure that each Subcontract includes a provision requiring each Subcontractor to indemnify and defend the City and the Indemnified Parties in the same manner, to the same extent, and for the same duration as Contractor agrees to indemnify and defend the City and the Indemnified Parties in this Section 5.

6. OWNERSHIP OF DOCUMENTS

All originals and copies of work product, including plans, sketches, layouts, designs, design specifications, records, files, computer disks, magnetic media, all finished or unfinished documents or material which may be produced or modified by Contractor while performing the Work, whether or not required to be furnished to the City, shall become the property of the City, shall be delivered to the City at its request, and may be used by the City without restriction.

7. PATENTS, COPYRIGHTS, AND RIGHTS IN DATA

7.1 Any patentable result or material suitable for copyright arising out of this Contract shall be owned by and made available to the City for public use, unless the City shall, in a specific case where it is legally permissible, determine that it is in the public interest that it not be so owned or available.

7.2 The Contractor agrees that the ownership of any plans, drawings, designs, specifications, computer programs, technical reports, operating manuals, calculations, notes and other work submitted or which is specified to be delivered under this Contract, whether or not complete (referred to in this subsection as "Subject Data"), is hereby irrevocably transferred and assigned to the City and shall be vested in the City or such other local, state or federal agency, if any, as may be provided by separate contract with the City. The Contractor shall execute and deliver such instruments and take such other action(s) as may be requested by the City to perfect or protect the City's rights to such Subject Data and work product, and to perfect the assignments and transfers contemplated in Sections 6 and 7.

7.3 All such Subject Data furnished by the Contractor pursuant to this Contract, other than documents exclusively for internal use by the City, shall carry such notations on the front cover or a title page (or in such case of maps, in the same block) as may be requested by the City. The Contractor shall also place their endorsement on all Subject Data furnished by them. All such identification details shall be subject to approval by the City prior to printing.

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CITY OF FEDERAL WAY

RFB-16

CFW RFB VERSION 2026-APRIL

CITY CENTER GREENWAY

PROJECT #36244 / RFB #26-007

7.4 The Contractor shall ensure that substantially the foregoing paragraphs in Sections 6 and 7 are included in each subcontract for the work on the Project.

8. GENERAL PROVISIONS

8.1 Entire Contract. The Contract Documents contain all of the agreements of the Parties with respect to any matter covered or mentioned in this Contract and no prior agreements or understandings pertaining to any such matters shall be effective for any purpose. In entering into this Contract, neither party has relied upon any statement, estimate, forecast, projection, representation, warranty, action or agreement of the other party except for those expressly contained in the Contract Documents.

8.2 Documents. The documents incorporated by reference, as if fully set forth in this Contract, are the Advertisement for Bids, the Instructions to Bidders and Checklists, the Contractor's Bid Proposal (including all forms and supplemental information listed on the Bidders Checklist), the Contract Documents (including Project Plans, Specifications, and all Appendices, Amendments, and Supplemental Reports & Information), the Contract Provisions (including all forms and supplemental information listed on the Contract Checklist), the version of the Washington State Standard Specifications for Road, Bridge, and Municipal Construction identified herein, and any other documents provided to bidders and/or referenced in or referred to by the Contract Documents.

8.3 Modification. No provisions of this Contract, including this provision, may be amended or added to except by agreement in writing signed by the Parties or their respective successors in interest in accordance with the Contract Documents.

8.4 Change Orders. In addition to its rights under the Contract Documents, the City may unilaterally issue a Change Order at any time making changes within the general scope of the Contract, without invalidating the Contract and without providing notice to sureties. The City's issuance of a unilateral Change Order shall not be construed as a waiver of any rights afforded the City, including its right to reject a prior protest or request for change or Claim due to untimeliness or the Contractor's failure to fully comply with the requirements of the Contract Documents, or to void the unilateral Change Order due to unilateral mistake, misrepresentation, or fraud.

8.5 Total Cost Method / Claims. In no event shall a Total Cost Method or a modified Total Cost Method be used by the Contractor to calculate any adjustments to the Contract price. For the purpose of this provision, any cost method, or variety of cost methods, using the difference between the actual cost of the Work and the Bid or Contract price of the Work to calculate any additional compensation or money owed to the Contractor shall be considered a Total Cost Method. In addition, the City shall not be responsible for, and the Contractor shall not be entitled to, any compensation for unallowable costs. Unallowable costs include, but are not limited to: (i) interest or attorneys' fees, except as mandated by statute; (ii) Claim preparation or filing costs; (iii) the costs of preparing notices or protests; (iv) lost profits, lost income, or lost earnings; (v) costs for idle equipment when such equipment is not at the Site, has not been employed in the Work, or is not scheduled to be used at the Site; (vi) claims consulting costs; (vii) expert fees and costs; (viii) loss of other business; and/or (ix) any other special, consequential, expectancy, incidental, or indirect damages incurred by the Contractor, Subcontractors, or suppliers.

8.6 Warranties and Guarantees. In addition to the requirements of the Contract Documents, the Contractor warrants that all portions of the Work that will be covered by a manufacturer's or supplier's guarantee or warranty shall be performed in such a manner so as to preserve all rights under such guarantees or warranties. If the City attempts to enforce a claim based upon a manufacturer's or supplier's guarantee or warranty and such manufacturer or supplier refuses to honor such guarantee or warranty based, in whole or in part, on a claim of defective installation by the Contractor or a Subcontractor, the Contractor shall be responsible for any resulting loss or damage, and repairs, incurred by the City as a result of the manufacturer's or supplier's refusal to honor such guarantee or warranty. This obligation survives termination of this Contract.

8.7 Full Force and Effect. Any provision of this Contract, which is declared invalid, void or illegal, shall in no way affect, impair, or invalidate any other provision hereof and such other provisions shall remain in full force and effect.

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CITY OF FEDERAL WAY

RFB-17

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

8.8 Assignment. The Contractor shall not transfer or assign, in whole or in part, any or all of its obligations and rights hereunder without the prior written consent of the City. In the event the City consents to any such assignment or transfer, such consent shall in no way release the Contractor from any of its obligations or liabilities under this Contract.

8.9 Successors In Interest. Subject to the preceding Subsection, this Contract shall be binding upon and inure to the benefit of the Parties' successors in interest, heirs and assigns.

8.10 Time Limitation and Venue. For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims, causes of action, or disputes which the Contractor has against the City arising from the Contract shall be brought within the following time period: (i) 180 calendar days from the date of Substantial Completion for those claims, causes of action, or disputes arising prior to the date of Substantial Completion, and (ii) 180 calendar days from the date of Final Acceptance of the Contract by the City for those claims, causes of action, or dispute arising after the date of Substantial Completion. It is further agreed that the venue for any claim, cause of action, or dispute related to this Contract shall be King County, Washington, which shall have exclusive jurisdiction over any such case, controversy, or dispute. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims, causes of action, or disputes which the Contractor asserts against the City arising from the Contract are filed with the City or initiated in court, the Contractor shall permit the City to have timely access to any records deemed necessary by the City to assist in evaluating the claims, action, or dispute.

8.11 No Waiver. Failure of the City to declare any breach or default immediately upon occurrence thereof, or delay in taking any action in connection with, shall not waive such breach or default. Failure of the City to declare one breach or default does not act as a waiver of the City's right to declare another breach or default.

8.12 Sole Authority/Discretion/Judgment. Where the Contract Documents provide the City or its Engineer with "sole" authority, discretion, or judgment, such authority, discretion, or judgment shall be considered unconditional and absolute.

8.13 Governing Law. This Contract shall be made in and shall be governed by and interpreted in accordance with the laws of the State of Washington.

8.14 Authority. Each individual executing this Contract on behalf of the City and Contractor represents and warrants that such individuals are duly authorized to execute and deliver this Contract on behalf of the Contractor or City.

8.15 Engineer. The Engineer is the City's representative who directly supervises the engineering and administration of a construction Contract. The Engineer's authorities, duties, and responsibilities are limited to those specifically identified in the Contract Documents. Designation of an individual or entity as the Engineer for the Project is solely to identify the representative of the City as the entity to act as the Engineer as described in the Contract Documents. Using the term "engineer" does not imply that such entity or person is a licensed professional engineer or an engineering company and does not import any additional obligations upon the actions of the Engineer that may govern licensed professional engineers when performing engineering services.

The Engineer for this Project is designated as: CHRISTINE MULLEN, P.E., ENGINEERING MANAGER.

8.16 Notices. Any notices required to be given to Contractor or to the Engineer shall be delivered to the Parties at the addresses set forth below. Any notices may be delivered personally to the addressee of the notice or may be deposited in the United States mail, postage prepaid, to the address set forth herein. Any notice so posted in the United States mail shall be deemed received three (3) days after the date of mailing.

CONTRACTOR: Company
Attn: Individual to receive notices

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CITY OF FEDERAL WAY

RFB-18
CFW RFB VERSION 2026-APRIL

CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007

Street Address
City, State, Zip

ENGINEER: City of Federal Way
Attn: Christine Mullen, P.E.
33325 8th Ave S
Federal Way, WA 98003

8.17 Captions. The respective captions of the Sections of this Contract are inserted for convenience of reference only and shall not be deemed to modify or otherwise affect in any respect any of the provisions of this Contract.

8.18 Performance. Time is of the essence of this Contract and each and all of its provisions in which performance is a factor. Adherence to completion dates is essential to the Contractor's performance of this Contract.

8.19 Compliance with Ethics Code. If a violation of the City's Ethics Resolution No. 91-54, as amended, occurs as a result of the formation and/or performance of this Contract, this Contract may be rendered null and void, at the City's option.

9. PERFORMANCE/PAYMENT BOND

Pursuant to RCW 39.08.010, the Contractor's payment and performance bonds must be conditioned upon: (i) faithful performance of all of the provisions of the Contract, including warranty obligations; (ii) the payment of all laborers, mechanics, Subcontractors, and Suppliers, and all persons who supply such persons with provisions or supplies in carrying out the Work; and (iii) payment of any taxes, liabilities, increases, or penalties incurred on the Project under Titles 50, 51, and 82 RCW which may be due on (a) projects referred to in RCW 60.28.011(1)(b), and (b) projects for which the bond is conditioned on the payment of such taxes, liabilities, increases, or penalties. Contractor's obligations under this Contract shall not be limited to the dollar amount of the bond.

DATED the day and year set forth above.

CITY OF FEDERAL WAY:

CONTRACTOR:

Jim Ferrell, Mayor
33325 8th Avenue South
Federal Way, WA 98003-6325

Signature of Authorized Individual

ATTEST:

Printed Name of Authorized Individual

Heather Dumlao, CMC, CPRO, City Clerk

Street Address

APPROVED AS TO FORM:

City, State, Zip

J. Ryan Call, City Attorney

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CITY OF FEDERAL WAY

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

RFB-19
CFW RFB VERSION 2026-APRIL

NOTARY OF CONTRACTOR'S SIGNATURE:

STATE OF WASHINGTON)
) ss.
COUNTY OF _____)

STAFF - USE FOR CORPORATE NOTARY OR DELETE.

On this day personally appeared before me _____, to me known to be the _____ of _____ that executed the within and foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he or she was authorized to execute said instrument and that the seal affixed, if any, is the corporate seal of said corporation.

GIVEN under my hand and official seal this _____ day of _____, 20__.

Notary's signature _____
Notary's printed name _____
Notary Public in and for the State of Washington.
My commission expires _____

STAFF - USE FOR INDIVIDUAL NOTARY OR DELETE.

On this day personally appeared before me, _____, to me known to be the individual, or individuals described in and who executed the within and foregoing instrument, and acknowledged that he/she/they signed the name as his/her/their free and voluntary act and deed, for the uses and purposes therein mentioned.

GIVEN under my hand and official seal this _____ day of _____, 20__.

Notary's signature _____
Notary's printed name _____
Notary Public in and for the State of Washington.
My commission expires _____

STAFF - USE FOR LIMITED LIABILITY NOTARY OR DELETE.

On this day personally appeared before me, _____, that executed the within and foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said limited liability company, for the uses and purposes therein mentioned, and on oath stated that he or she was authorized to execute said instrument.

GIVEN under my hand and official seal this _____ day of _____, 20__.

Notary's signature _____
Notary's printed name _____
Notary Public in and for the State of Washington.
My commission expires _____

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SAMPLE CONTRACT CHANGE ORDER

PROJECT NUMBER	AGREEMENT NUMBER	CHANGE ORDER NUMBER	EFFECTIVE DATE
CITY CENTER GREENWAY		CONTRACTOR	

SUMMARY OF PROPOSED CHANGES:

This Change Order covers the work changes summarized below:

The time provided for completion in the Contract is

- Unchanged
- Increased by ___ Working Day(s)
- Decreased by ___ Working Day(s)

This Document shall become an Amendment to the Contract and all provisions of the Contract not amended herein will apply to this Change Order.

Will this change affect expiration or extent of Insurance coverage?
 If "Yes" Will the Policies Be Extended? Yes No
 Yes No

MODIFICATIONS TO UNIT PRICES:

<u>ITEM NO.</u>	<u>ITEM</u>	<u>QTY</u>	<u>PREVIOUS UNIT PRICE</u>	<u>REVISED UNIT PRICE</u>	<u>ADD OR DELETE</u>
-----------------	-------------	------------	----------------------------	---------------------------	----------------------

THESE ITEMS ARE APPROXIMATE OR ESTIMATED QUANTITIES INVOLVED IN THIS CHANGE:

<u>ITEM NO.</u>	<u>ITEM</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>ADD OR DELETE</u>
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TOTAL NET CONTRACT: DECREASE \$

DEPARTMENT RECAP TO DATE:

ORIGINAL CONTRACT AMOUNT	\$ _____
PREVIOUS CHANGE ORDERS	\$ _____
THIS CHANGE ORDER	\$ _____
NEW CONTRACT AMOUNT	\$ _____

STATEMENT:

Payment for the above work will be in accordance with applicable portions of the standard specifications, and with the understanding that all materials, workmanship and measurements shall be in accordance with the provisions of the standard specifications, the contract plans, and the special provisions governing the types of construction. The execution of this Change Order shall constitute full satisfaction and a waiver of any and all

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CITY OF FEDERAL WAY

RFB-21

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

claims by the Contractor arising out of, or relating in any way to, the Work identified, to be performed, or deleted pursuant to Change Order except as specifically described in this Change Order.

CONTRACTOR'S SIGNATURE DATE

PUBLIC WORKS DIRECTOR DATE

*Contract Change Order
provided for Contractor's
reference. Change orders
executed during the project
will use this form.*

CERTIFICATE OF INSURANCE

*Contractor's Certificate of
Insurance to be inserted
here during Contract
Execution*

PERFORMANCE AND PAYMENT BOND
CITY CENTER GREENWAY

The City of Federal Way ("City") has awarded to _____ ("Principal"), a contract for the construction of the above referenced project, and said Principal is required to furnish a bond for performance of all obligations under the Contract and for payment in accord with Chapter 39.08 Revised Code of Washington (RCW) and (where applicable) Chapter 60.28 RCW.

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

This bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall:

- 1) Well and faithfully perform all of the Principal's obligations under the Contract and fulfill all 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 force and effect; and
- 2) Pay all persons in accordance with Chapters 39.08, 39.12, and 60.28 RCW including all workers, laborers, mechanics, subcontractors, and materialmen, and all person 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 Titles 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 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 shall be signed by duly authorized officers and will only be accepted if accompanied by a fully executed, original power of attorney for the office executing on behalf of the surety.

PRINCIPAL:

SURETY:

Principal Signature *Date*

Surety Signature *Date*

Printed Name

Printed Name

Title

Title

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LOCAL OFFICE/AGENT OF SURETY:

Name

Street Address

City, State, Zip

Telephone

BOND NO.: _____

APPROVED AS TO FORM: _____
J. Ryan Call, City Attorney

RETAINAGE BOND TO CITY OF FEDERAL WAY
CITY CENTER GREENWAY

KNOW ALL PERSONS BY THESE PRESENTS that we, the undersigned, _____, as principal ("Principal"), and _____, a Corporation organized and existing under the laws of the State of _____, as a surety Corporation, and qualified under the laws of the State of Washington to become surety upon bonds of Contractors with Municipal Corporations, as surety ("Surety"), are jointly and severally held and firmly bonded to the City of Federal Way ("City") in the penal sum of: _____ (\$ _____) for the payment of which sum we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

A. This obligation is entered into in pursuant to the statutes of the State of Washington and the ordinances, regulations, standards and policies of the City, as now existing or hereafter amended or adopted.

B. Pursuant to proper authorization, the Mayor is authorized to enter into a certain contract with the Principal, providing for the above-referenced Project, which contract is incorporated herein by this reference ("Contract"), and

C. Pursuant to State law, Chapter 60.28 RCW, the City is required to reserve from the monies earned by the Principal pursuant to the contract, a sum not to exceed five percent (5%), said sum to be retained by the City as a trust fund for the protection and payment of any person or persons, mechanic, subcontractor or material men who shall perform any labor upon such contract or the doing of such work, and all persons who shall supply such person or persons or subcontractors with provisions and supplies for the carrying on of such work, and the State with the respect to taxes imposed pursuant to Title 82 RCW which may be due from said Principal. Every person performing labor or furnishing supplies towards completion of said improvement or work shall have a lien on said monies so reserved, provided that such notice of the lien of such claimant shall be given in the manner and within the time provided in RCW 39.08.030 as now existing and in accordance with any amendments that may hereafter be provided thereto; and

D. State law further provides that with the consent of the City, the Principal may submit a bond for all or any portion of the amount of funds retained by the public body in a form acceptable to the public body conditioned upon such bond any proceeds therefrom being made subject to all claims and liens and in the same manner and priority as set forth retained percentages pursuant to Chapter 60.28 RCW; and

E. The Principal has accepted, or is about to accept, the Contract, and undertake to perform the work therein provided for in the manner and within the time set forth, for the amount of \$ _____; and

F. The City is prepared to release any required retainage money previously paid by the Principal prior to acceptance and successful operation and fulfillment of all other terms of said contract upon being indemnified by these presents,

NOW, THEREFORE, if the Principal shall perform all the provisions of the Contract in the manner and within the time period prescribed by the City, or within such extensions of time as may be granted under the Contract, and shall pay all laborers, mechanics, subcontractors and material men or women, and all persons who shall supply the Principal or subcontractors with provisions and supplies for the carrying on of said work, and if the Principal shall pay to the State all taxes imposed pursuant to Title 82 RCW which may be due from such Principal as a result of this contract then and in the event this obligation shall be void; but otherwise it shall be and remain in full force and effect.

And the Surety, for value received, hereby further stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any change, extension of time, alterations or additions to the terms of the Contract or to the Work.

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

CITY OF FEDERAL WAY

RFB-26

CFW RFB VERSION 2026-APRIL

CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007

The Surety hereby agrees that modifications and changes may be made in the terms and provisions of the Contract without notice to Surety, and any such modifications or changes increasing the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this Retainage Bond in a like amount, such increase, however, not to exceed twenty-five percent (25%) of the original amount of this bond without consent of the Surety.

Within forty-five (45) days of receiving notice that the Principal has defaulted on all or part of the terms of the Contract, the Surety shall make written commitment to the City that it will either: (a) cure the default itself within a reasonable time period, or (b) tender to the City, the amount necessary for the City to remedy the default, including legal fees incurred by the City, or (c) in the event that Surety's evaluation of the dispute is not complete or in the event the Surety disputes the City's claim of default, the Surety shall notify the City of its finding and its intent, if any, to interplead. The Surety shall then fulfill its obligations under this bond, according to the option it has elected. Should Surety elect option (a) to cure the default, the penal sum of the Bond shall be reduced in an amount equal to the costs actually incurred by the Surety in curing the default. If the Surety elects option (b), then upon completion of the necessary work, the City shall notify the Surety of its actual costs. The City shall return, without interest, any overpayment made by the Surety and the Surety shall pay to the City any actual costs which exceed the City estimate, limited to the bond amount. Should the Surety elect option (c), the Parties shall first complete participation in mediation, described in the below paragraph, prior to any interplead action.

In the event a dispute should arise between the Parties to this Bond with respect to the City's declaration of default by the Principal, the Parties agree to participate in at least four hours of mediation to resolve said dispute. The Parties shall proportionately share in the cost of the mediation. The mediation shall be administered by Judicial Dispute Resolution, LLC, 1425 Fourth Avenue, Suite 300, Seattle, Washington 98101. The Surety shall not interplead prior to completion of the mediation.

The parties have executed this instrument under their separate seals this ____ day of _____, 20____, the name and corporate seal of each corporate party hereto affixed, and these presents duly signed by its undersigned representatives pursuant to authority of its governing body.

CORPORATE SEAL:

PRINCIPAL:

By: _____

Title: _____

Address: _____

CERTIFICATE AS TO CORPORATE SEAL

I hereby certify that I am the (Assistant) Secretary of the Corporation named as Principal in the within bond; that _____, who signed the said bond on behalf of the Principal, was _____ of said Corporation; that I know his or her signature thereto is genuine, and that said bond was duly signed, sealed, and attested for and in behalf of said Corporation by authority of its governing body.

Secretary of Principal

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

CITY OF FEDERAL WAY

RFB-27

CFW RFB VERSION 2026-APRIL

**CITY CENTER GREENWAY
PROJECT #36244 / RFB #26-007**

CORPORATE SEAL:

SURETY:

By: _____
Attorney-in-Fact
(Attach Power of Attorney)

Title: _____

Address: _____

CERTIFICATE AS TO CORPORATE SEAL

I hereby certify that I am the (Assistant) Secretary of the Corporation named as Surety in the within bond; that _____, who signed the said bond on behalf of the Surety, was _____ of the said Corporation; that I know his or her signature thereto is genuine, and that said bond was duly signed, sealed, and attested for and in behalf of said Corporation by authority of its governing body.

Secretary of Surety

APPROVED AS TO FORM:

J. Ryan Call, City Attorney

INTRODUCTION TO THE SPECIAL PROVISIONS

(January 4, 2024 APWA GSP, Option A)

The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 2026 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 CFW GSP) City of Federal Way 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
- City of Federal Way Public Works Right-of-Way Design & Construction Standards
- National Electric Code, current edition

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

DESCRIPTION OF WORK

(March 13, 1995 WSDOT GSP)

This Contract provides for the improvement of the City Center Greenway Project Improvements and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

DIVISION 1 GENERAL REQUIREMENTS

CITY OF FEDERAL WAY

*****UNOFFICIAL BID COPY*****

SP-2

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

CITY CENTER GREENWAY PROJECT
PROJECT #36244

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, Amendments, or WSDOT General Special Provisions, to the terms "Department of Transportation", "Washington State Transportation Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency."

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

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

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

Additive

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

Alternate

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

Business Day

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

Contract Bond

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

Contract Documents

See definition for “Contract.”

Contract Time

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

Notice of Award

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

Notice to Proceed

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

Traffic

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

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Prequalification of Bidders

Delete this Section and replace it with the following:

1-02.1 Qualifications of Bidder

(February 17, 2026 APWA GSP, Option A)

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

1-02.2 Plans and Specifications

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced Plans (11" x 17")	1	Furnished automatically upon award.
Contract Provisions	1	Furnished automatically upon award.
Large Plans (e.g., 22" x 34")	1	Furnished only upon request.

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

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

(June 27, 2011 APWA GSP)

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 three (3) 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

(February 17, 2026 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. Bids shall be

in legible figures (not words) written in ink or typed and expressed in U.S. dollars. The required certifications are included as part of the Proposal Form.

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

1-02.6 Preparation of Proposal
(February 17, 2026, APWA GSP, OPTION A)

Revise the fourth paragraph to read:

Subcontractor's List

The Bidder shall submit with the Bid the completed Subcontractor List included in the Contracting Agency Proposal Package. If a Subcontractor List Form is not included in the package, use DOT Form 271-015. The Form shall contain the following:

1. Subcontractors who will perform the Work of structural steel installation, rebar installation, heating, ventilation, air conditioning, and plumbing as described in RCW 18.106 and electrical as described in RCW 19.28,
2. The Work those subcontractors will perform on the Contract and the proof of license when required as described in RCW 39.04.350(1), and
3. No more than one subcontractor for each category of Work identified, except, when subcontractors vary with Bid alternates, in which case the Bidder shall identify which subcontractor will be used for which alternate.

(February 17, 2026 APWA GSP, OPTION C)

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

All prices shall be in legible figures (not words) written in ink or typed, and expressed in U.S. dollars.

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

(February 17, 2026 APWA GSP)

Revise the third sentence of the first paragraph to read:

For projects that are selected by the Contracting Agency to be Bid electronically, the proposal bond may be in either a physical format, or an electronic format via N/A. The City of Federal Way requires physical bids be submitted.

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

(November 21, 2025 APWA GSP, OPTION B)

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.

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" that is received after the time specified or received in a location other than that specified in the Call for Bids.

If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received at the office designated for receipt of bids as specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which the normal work processes of the Contracting Agency resume.

Supplemental bid information submitted after the Proposal submittal but within 48 hours of the time and date the Proposal is due, shall be submitted as follows:

1. In a sealed envelope labeled the same as for the Proposal, with "Supplemental Information" added, or
2. By facsimile to the following FAX number: N/A, or
3. By e-mail to the following e-mail address:
Christine.Mullen@FederalWayWA.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.

1-02.10 Withdrawing, Revising, or Supplementing Proposal
(February 17, 2026 APWA GSP)

Delete this section, and replace it with the following:

After submitting a physical or an electronic bid, if allowed under 1-02.9, 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, if a physical Bid Proposal was submitted, or recalled electronically via electronic method described in 1-02.9 if an electronic Bid Proposal was submitted, 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 before the time set for receipt of Bid Proposals, 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. Requests to withdraw, revise, or supplement a Bid Proposal may be submitted by the following methods:

1. In person

1-02.13 Irregular Proposals
(November 21, 2025 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 as required in Section 1-02.6;
 - f. The Bidder fails to submit the Bidder Questionnaire, 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
 - g. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

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

1-02.14 Disqualification of Bidders
(May 17, 2018 APWA GSP, OPTION B)

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 1-7 listed in this Section.

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 3-7 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.

As evidence that the Bidder meets the Supplemental 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 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.

1-03 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.

(January 19, 2024 CFW GSP)

Section 1-03.1 is supplemented with the following:

The owner reserves the right to reject bids on any or all schedules or alternates of the proposal. After reviewing the bids, the Owner may elect to delete any one or combination of schedules from the proposal.

1-03.1(1) Identical Bid Totals

(February 17, 2026 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 that proposed to use the highest percentage of recycled materials in the Project, per the form submitted with the Bid Proposal, if required. If those percentages are also exactly equal or if the form was not required, 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 alphabetical order by the name of the firm. 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

(February 17, 2026 APWA GSP, Option A)

Revise this section to read:

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

Within 10 calendar days after the award date, the successful Bidder shall return the signed Contracting Agency-prepared Contract, an insurance certification as required by Section 1-07.18, 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, if required, any of the following: pre-Award information required by the Contracting Agency as listed under Section 1-02.15, proof of licensure for electrical, HVAC, or plumbing subcontractors. If the Prime Contractor lists themselves as performing electrical, HVAC, or plumbing they are required to submit proof of licensure prior to execution.

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 5 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 decision made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

1-04 SCOPE OF THE WORK

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

(December 30, 2022 APWA GSP)

Revise the second paragraph to read:

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

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

1-04.4 Changes

(January 19, 2022 APWA GSP)

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

1-05 CONTROL OF WORK

1-05.4 Conformity With and Deviations from Plans and Stakes **(January 13, 2021 WSDOT GSP, OPTION 2)**

Section 1-05.4 is supplemented with the following:

Contractor Surveying – Roadway

The Contracting Agency has provided primary survey control in the Plans.

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.
4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor

5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.
7. Establish intermediate elevation benchmarks as needed to check work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.
10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	<u>Vertical</u>	<u>Horizontal</u>
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)

Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A-10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

Payment

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

"Roadway Surveying", lump sum.

The lump sum contract price for "Roadway Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

1-05.7 Nonconforming Work
(February 17, 2026 APWA GSP)

Supplement this section with the following:

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. The Engineer has the right to

reject all or part of the Nonconforming Work, and the Engineer's decision is final and not subject to protest.

No additional contract time or compensation will be allowed when the Contracting Agency exercises their rights provided by this Section.

1-05.7(1) Identification of Nonconforming Work

Replace this section with the following:

The Contractor is responsible for quality control and shall identify all Nonconforming Work. The Contracting Agency may also identify Nonconforming Work. However, failure by the Contracting Agency to identify Nonconforming Work shall not relieve the Contractor from their responsibility for the quality of the Work, nor shall it constitute acceptance or approval of the Nonconforming Work.

1-05.7(2) Reporting of Nonconforming Work

Replace this section with the following:

The Contractor shall immediately report all Nonconforming Work to the Engineer and shall include any relevant information known for suggested remediation of Nonconforming Work.

When the Contracting Agency identifies Nonconforming Work, the Engineer will notify the Contractor in writing specifying a time when a remedy must be complete. If the Contractor fails to remedy Nonconforming 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.

1-05.7(3) Remediation of Nonconforming Work

Supplement this section with the following:

The Contractor shall be responsible and bear all costs for remediating Nonconforming Work.

If the Contracting Agency remedies Nonconforming Work after the specified time when a remedy was to be completed, by any means deemed necessary, direct and indirect costs incurred by the Contracting Agency attributable to correcting and remediating Nonconforming Work not corrected by the time provided in the notice, or Work the Contractor failed or refused to perform, shall be paid by the Contractor.

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 Nonconforming Work corrected immediately, have the 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 risk of loss or damage to the public.

When costs are incurred by the Contracting Agency, payment will be deducted by the Engineer from monies due, or to become due, to the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and compensation for removal, repair, replacement and/or correction of the Contractor's Nonconforming Work.

1-05.10 Guarantees

(January 19, 2024 CFW GSP)

Section 1-05.10 is supplemented with the following:

All work performed by the Contractor shall maintain a warranty. The warranty period shall be established by the Contract Documents. When not specified in the Contract Documents, the warranty period shall be one year. Conducting of tests and inspections, review of specifications or plans, payment for goods or services, or acceptance by the City does not constitute waiver, modification, or exclusion of any express or implied warranty or any right under law. This warranty shall survive termination of this Contract.

The Contractor shall, at its own sole cost and expense, be responsible for correcting all defects in workmanship and material discovered within one year after acceptance of this work by the City of Federal Way. When corrections of defects are made, the Contractor shall be responsible for correcting all defects in workmanship and/or materials in the corrected work for one year after acceptance of the corrections by the Owner.

If within one year after the date of Project Acceptance by the Owner, defective and/or unauthorized Work is discovered, the Owner shall notify the Contractor in writing (either e-mail or USPS mail). The Contractor shall start work to remedy such defects within seven (7) calendar days of notice of discovery by the Owner and shall complete such work within a reasonable time. The Contractor shall either correct such Work, or if such Work has been rejected by the Engineer, remove it from the Project Site and replace it with non-defective and authorized Work, all without cost to the Owner.

In emergencies, where damage may result from delay or where loss of services may result, such corrections may be made by the Owner, in which case the cost shall be borne by the Contractor. If the Contractor does not promptly comply with the written request to correct defective and authorized Work, or if an emergency exists, the Owner reserves the right to have defective and/or unauthorized Work corrected or rejected, and replaced pursuant to the provisions of Section 1-05.7 of these Specifications. The Owner will pursue payment for the incurred costs from the project Performance and Payment Bond. The Contractor shall be liable for any costs, losses, expenses, or damages, including consequential damages suffered by the Owner resulting from defects in the Contractor's work including, but not limited to, cost of materials and labor extended by Owner in making emergency repairs and cost of engineering, inspection and supervision by the Owner or the Engineer. The Contractor shall hold the Owner harmless from any and all claims which may be made against the Owner as a result of any defective work, and the Contractor shall defend any such claims at his own expense.

The Contractor agrees the above one year warranty shall not exclude or diminish the Owner's rights under any law to obtain damages and recover costs resulting from defective and unauthorized work discovered after one year but prior to the expiration of the legal time period set forth in RCW 4.16.040 limiting actions upon a contract in writing or liability, expressed or implied, arising out of a written agreement. This warranty may also extend beyond the one year time period pursuant to any other warranties specified in the Special Provisions, Contract Plans, other parts of the Contract Documents, or incorporated by this reference.

The Contract performance and payment bond shall remain in effect throughout the above stated warranty period.

1-05.11 Final Inspection
(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

1-05.11(1) Substantial Completion Date

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

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

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

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

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

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

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

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

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

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

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

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

1-05.12 Final Acceptance
(April 12, 2019 CFW GSP)

Delete the third and fourth sentences in the first paragraph and replace it with the following:

Final acceptance date of the work shall be the date the Federal Way City Council accepts the project as complete.

1-05.12(1) One-Year Guarantee Period
(March 8, 2013 APWA GSP)

Add the following new section.

The Contractor shall return to the project and repair or replace all defects in workmanship and material discovered within one year after Final Acceptance of the Work. The Contractor shall start work to remedy any such defects within 7 calendar days of receiving Contracting Agency's written notice of a defect, and shall complete such work within the time stated in the Contracting Agency's notice. In case of an emergency, where damage may result from delay or where loss of services may result, such corrections may be made by the Contracting Agency's own forces or another contractor, in which case the cost of corrections shall be paid by the Contractor. In the event the Contractor does not accomplish corrections within the time specified, the work will be otherwise accomplished and the cost of same shall be paid by the Contractor.

When corrections of defects are made, the Contractor shall then be responsible for correcting all defects in workmanship and materials in the corrected work for one year after acceptance of the corrections by Contracting Agency.

This guarantee is supplemental to and does not limit or affect the requirements that the Contractor's work comply with the requirements of the Contract or any other legal rights or remedies of the Contracting Agency.

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.

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

Add the following new section:

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

1-05.18 Contractor's Daily Diary
(March 22, 2023 CFW GSP)

Section 1-05.18 is a new section:

The Contractor and subcontractors, as additional consideration for payment for this contract work, hereby agree to maintain and provide to the Owner and the Engineer a Daily Diary Record of this Work. The diary must be kept and maintained by the Contractor's designated project superintendent. Entries must be made on a daily basis and must accurately represent all of the project activities on each day.

At a minimum, the diary shall show on a daily basis:

- The day and date.
- The weather conditions, including changes throughout the day.
- A complete description of work accomplished during the day with adequate references to the Plans and Specifications so that the reader can easily and accurately identify said work in the Plans.
- An entry for each and every changed condition, dispute or potential dispute, incident, accident, or occurrence of any nature whatsoever which might affect the Contract, Owner, or any third party in any manner.
- Listing of any materials received and stored on or off-site by the Contractor for future installation, to include the manner of storage and protection of the same.

- Listing of materials installed during each day.
- List of all subcontractors working on-site during each day.
- Listing of the number of Contractor's employees working during each day by category of employment.
- Listing of Contractor's equipment working on the site during each day. Idle equipment on the site shall be listed and designated as idle.
- Notations to explain inspections, testing, stake-out, and all other services furnished to the Contractor by the Owner or other during each day.
- Entries to verify the daily (including non-work days) inspection and maintenance of traffic control devices and condition of the traveled roadway surfaces. The Contractor shall not allow any conditions to develop that would be hazardous to the public.
- Any other information that serves to give an accurate and complete record of the nature, quantity, and quality of the Contractor's progress on each day.
- Summary of total number of working days to date, and total number of delay days to date.

The Contractor's designated project superintendent must sign the diary at the end of each working day. The Contractor must provide a copy of the diary to the Owner and the Engineer each morning for the preceding workday. All copies must be legible.

It is expressly agreed between the contractor and the owner that the daily diary maintained by the Contractor shall be the "Contractor's Book of Original Entry" for the documentation of any potential claims or disputes that might arise during this contract. Failure of the Contractor to maintain this diary in the manner described above will constitute a waiver of any such claims or disputes by the Contractor. The daily diary maintained by the Contractor does not constitute the official record of the project. The official record of the project is prepared and maintained exclusively by the engineer.

1-06 CONTROL OF MATERIAL

1-06.2 Acceptance of Materials

1-06.2(1) Samples and Tests for Acceptance

(September 20, 2024 CFW GSP)

Section 1-06.2(1) is supplemented as follows:

The Contractor shall be responsible to hire an independent, third-party testing company to conduct testing for the project, including but not limited to, gradation, concrete compressive strength, and compaction testing for aggregates and hot mix asphalt. The testing company shall be designated as a WSDOT-certified testing firm.

The testing company shall provide prompt results. Original test results shall be sent directly from the testing company to the City's Project Engineer at Christine.Mullen@FederalWayWA.gov. Copies of test results shall also be sent to the Contractor.

Contractor shall cooperate with testing company's personnel and provide access to work to be tested. Contractor shall be responsible to notify testing company in advance of operations requiring testing and inspection services. If Contractor does not coordinate for testing services with sufficient advance notice, they are responsible for any delays caused by the inability to proceed with work due to lack of testing. This will not be grounds for assignment of a non-working day.

Required tests and frequency shall be in conformance with the WSDOT Construction Manual.

The bid item "Material Testing" shall be measured on a lump sum basis and shall include all material testing required for the 1-07.11 project. When the bid item for "Material Testing" appears on the proposal, the lump sum contract price for "Material Testing" shall include all costs associated with all Bid Schedules unless noted otherwise.

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

(March 9, 2026 WSDOT GSP, OPTION 7)

Section 1-07.1 is supplemented with the following:

Unmanned Aircraft Systems (UAS)

The procurement and/or use of any drone (UAS) on this Contract shall comply with the following directives:

- National Defense Authorization Act (NDAA) – American Security Drone Act of 2023 (ASDA, Pub. L. No. 118-31).
- Office of Management and Budget Memorandum M-26-02 – Restrictions on using federal funds to purchase or operate prohibited foreign UAS.

Contractors, subcontractors, and lower-tier subcontractors shall not procure, operate, maintain, or process data from prohibited UAS manufactured or assembled by “covered foreign entities” as defined in the Federal Acquisition Security Council (FASC) in the performance of this Contract.

(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.

1-07.1(2) Health and Safety

(April 12, 2019 CFW GSP)

Section 1-07.1(2) is supplemented with the following:

Confined Space

Confined spaces are known to exist at the following locations:

Existing storm drainage, sanitary sewer, and other utility systems, vaults, and structures, along with all new similar new construction items that meet the requirements of WAC 296-809-100.

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

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

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

1-07.2 State Taxes

(June 27, 2011 APWA GSP)

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

1-07.2 State Sales Tax

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

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

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

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within

and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit Bid item prices, or other Contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

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

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

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

1-07.2(3) Services

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

1-07.6 Permits and Licenses ***(December 16, 2022 CFW GSP)***

Section 1-07.6 is supplemented with the following:

Oversized Loads

The Contractor must obtain a permit from the City of Federal Way (Development Services Division) for any Oversize / Overweight Loads. Loads are classified as oversized / overweight if they exceed the following criteria:

Size

- 8'6" wide, 14' tall, 53' length (tractor/trailer)
- 40' single unit
- 75' overall with a truck and trailer
- 3' of front overhang and 15' of rear overhang

Weight

- Heavy loads require a permit for overweight if they exceed the vehicle weight table published by WSDOT. The gross vehicle weight for a vehicle or a vehicle combination is determined by an overlapping set of three criteria: tire size, axle weight, and the weight table.

(November 14, 2025 CFW GSP)

Section 1-07.6 is supplemented with the following:

The Contractor is responsible to obtain any required noise variance or approvals for night work.

1-07.7 Load Limits

(March 13, 1995 WSDOT GSP, OPTION 6)

Section 1-07.7 is supplemented with the following:

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

1-07.8 High-Visibility Apparel

1-07.8(1) Traffic Control Personnel

(September 16, 2025 WSDOT GSP, OPTION 1)

Section 1-07.8(1) is supplemented with the following:

All personnel performing the Work described in Section 2-04 (including traffic control supervisors, flaggers, and others performing traffic control labor of any kind) shall comply with the following:

1. During daylight hours with clear visibility, workers shall wear a high-visibility ANSI/ISEA 107 Type R Class 2 or 3 garment with background material that are fluorescent yellow-green, fluorescent orange-red, or fluorescent red in color; and a high visibility hardhat that is white, yellow, yellow-green, orange, or red in color; and
2. During hours of darkness (1/2 hour before sunset to 1/2 hour after sunrise) or other low-visibility conditions (snow, fog, etc.), workers shall wear a high-visibility ANSI/ISEA 107 Type R Class 2 or 3 garment with background material that are fluorescent yellow-green, fluorescent orange-red, or fluorescent red in color; a high-visibility lower garment meeting ANSI/ISEA 107 Class E, and a high visibility hardhat marked with at least 12 square inches of retroreflective material applied to provide 360 degrees of visibility.

1-07.9 Wages

1-07.9(5)A Required Documents

(February 17, 2026 APWA GSP, Option B)

Revise this section to read:

All Statements of Intent to Pay Prevailing Wages and Affidavits of Wages Paid shall be submitted to the Engineer through the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system. When apprenticeship is a requirement of the Contract, include all apprentices in PWIA.

1-07.11 Requirements for Nondiscrimination

1-07.11(1) Regulatory Authorities

1-07.11(1)C Nondiscrimination Authorities

(March 9, 2026, WSDOT GSP, OPTION 1.2027)

Section 1-07.11(1)C is revised to read:

During the performance of this Contract, the Contractor, for itself, its assignees, and successors in interest agrees to comply with the following nondiscrimination statues and authorities; including but not limited to:

1. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), and its implementing regulations and case law, prohibit discrimination on the basis of race, color, or national origin. 49 C.F.R. 21.5(b)(2) prohibits a recipient of federal funds from utilizing “criteria or methods of administration which have the effect of subjecting persons to discrimination because of their race, color, or national origin, or have the effect of defeating or substantially impairing accomplishment of the objectives of the program with respect to individuals of a particular race, color, or national origin.” This includes taking reasonable steps to provide limited English proficiency (LEP) persons meaningful access to all programs, activities and services, where necessary to avoid discrimination on the basis of national origin.
2. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C §4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects).
3. Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et. seq.), as amended, (prohibits discrimination on the basis of sex).
4. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended (prohibits discrimination on the basis of disability); and 49 C.F.R. Part 27.
5. The Age Discrimination Act of 1975, as amended (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age).
6. Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex).
7. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age of Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition and terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not).
8. Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and

certain testing entities (42 U.S.C. § 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.

9. The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123), (prohibits discrimination on the basis of race, color national origin, and sex).
10. Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).

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

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

1-07.16 Protection and Restoration of Property

1-07.16(2) Vegetation Protection and Restoration
(August 2, 2010 WSDOT GSP)

Section 1-07.16(2) is supplemented with the following:

Vegetation and soil protection zones for trees shall extend out from the trunk to a distance of 1 foot radius for each inch of trunk diameter at breast height.

Vegetation and soil protection zones for shrubs shall extend out from the stems at ground level to twice the radius of the shrub.

Vegetation and soil protection zones for herbaceous vegetation shall extend to encompass the diameter of the plant as measured from the outer edge of the plant.

1-07.17 Utilities and Similar Facilities
(April 2, 2007 WSDOT GSP, OPTION 1)

Section 1-07.17 is supplemented with the following:

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.

UTILITY CONTACTS

PUGET SOUND ENERGY (POWER & GAS)

Randy Blackie, Project Manager – Randy.Blackie@pse.com
Cell: (425) 457-2614

LAKEHAVEN WATER & SEWER DISTRICT

Dennis Hopper, Field Operations Supervisor - dhopper@lakehaven.org
Cell: (253) 261-1770
3203 SW Dash Point Rd; Federal Way, WA 98023

ZAYO

Zayo.Reloc.Washington@zayo.com

LUMEN

Nathan Macleod – Nathan.macleod@Lumen.com
Tele: (253) 583-6283
7850 S Trafton S, Bldg B; Tacoma, WA 98409

COMCAST

Kyle Kinney – Kyle_Kinney@comcast.com
Tele: (253) 293-3838
410 Valley Ave NW; Puyallup, WA 98371

AT&T

Steve Duppenenthaler
Tele: (425) 286-3822
11241 Willows Rd NE, #130; Redmond, WA 98052

KING COUNTY TRAFFIC (SIGNALS & STREET LIGHTS)

Mark Parrett
Tele: (206) 296-8153
155 Monroe Ave NE; Renton, WA 98056

CITY OF FEDERAL WAY IT DEPARTMENT (CITY FIBER)

Thomas Fichtner
Tele: (253) 835-2547
33325 8th Ave S
Federal Way, WA 98003

ADDITIONAL CONTACTS**CITY OF FEDERAL WAY POLICE**

Tele: (253) 835-6701 (for officer traffic control scheduling)
Tele: (253) 835-6767 (for traffic / road closure issues)
33325 8th Ave S; Federal Way, WA 98003

SOUTH KING FIRE & RESCUE

Tele: 253) 946-7253
31617 1st Ave S; Federal Way, WA 98003

KING COUNTY METRO TRANSIT

Tele: (206) 684-2785
81270 6th Ave S, Bldg 2; Seattle, WA 98134

FEDERAL WAY SCHOOL DISTRICT

Please notify this entire group

Rob Bryant, Chief Finance & Operations Officer - rbryant@fwps.org
Michael Swartz, Exec. Director of Capital Projects - mswartz@fwps.org
Michelle Turner, Exec. Director of Transportation - mturner@fwps.org
Renee Swayze - rswayze@fwps.org
Mike Benzien, Exec. Director of Maint. & Operations - mbenzien@fwps.org
Brian Humphreys, Maintenance Manager - bhumphre@fwps.org
Paula Benz - pbenz@fwps.org

WASTE MANAGEMENT

Steve Frisbie (Route Manager, FW Residential) – sfrisbie@wm.com
Tele: (971) 990-9638

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

(February 17, 2026 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.
5. All insurance coverage maintained or procured pursuant to this agreement shall be endorsed to waive subrogation against the Contracting Agency, its elected or appointed officers, agents, officials, employees, and volunteers or shall specifically allow the Contractor or others providing insurance evidence in compliance with these Specifications to waive their right of subrogation prior to a loss. The Contractor hereby waives its own right of subrogation against the Contracting Agency and shall require similar written express waivers and insurance clauses from each of its subcontractors.

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

1-07.18(5) Coverages and Limits

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

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

1-07.18(5)A Commercial General Liability

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

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

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

Such policy must provide the following minimum limits:

\$2,000,000	Each Occurrence
\$3,000,000	General Aggregate
\$3,000,000	Products & Completed Operations Aggregate
\$2,000,000	Personal & Advertising Injury each offence
\$2,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

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

Such policy must provide the following minimum limit:

\$1,000,000	Combined single limit each accident
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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.

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

The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than \$3,000,000 each occurrence and annual aggregate. This excess or umbrella liability coverage shall be excess over and as least as broad in coverage as the Contractor's Commercial General and Auto Liability insurance.

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

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

1-07.18(5)J Pollution Liability
(January 4, 2016 APWA GSP)

This is a new section as follows:

The Contractor shall provide a Contractors Pollution Liability policy, providing coverage for claims involving bodily injury, property damage (including loss of use of tangible property that has not been physically injured), cleanup costs, remediation, disposal or other handling of pollutants, including costs and expenses incurred in the investigation, defense, or settlement of claims, arising out of any one or more of the following:

1. Contractor's operations related to this project.
2. Remediation, abatement, repair, maintenance or other work with lead-based paint or materials containing asbestos.
3. Transportation of hazardous materials away from any site related to this project.

All entities listed under 1-07.18(2) of these Special Provisions shall be named by endorsement as additional insureds on the Contractors Pollution Liability insurance policy.

Such Pollution Liability policy shall provide the following minimum limits:

\$2,000,000 each loss and annual aggregate

1-07.24 Rights of Way
(April 22, 2025 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 as described below.

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

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

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

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

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under

this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

1-07.28 Communication with Businesses and Property Owners
(April 12, 2018 CFW GSP)

Section 1-07.28 is added:

The Contractor will be responsible for communicating all work activities with the property owners / tenants that are located adjacent to the project. The Contractor, along with the City's inspector & project engineer, shall have one formal meeting (door-to-door project walk-through) with the property owners/tenants prior to the start of construction. It will be the Contractor's responsibility to initiate and set up the meeting.

Thereafter, the Contractor shall keep the property owners / tenants informed of their general work locations and upcoming activities by distributing a monthly status/schedule memo to the businesses. The memo shall be approved by the City's Project Engineer prior to distribution.

1-07.29 Coordination with Transit Agencies
(July 3, 2025 CFW GSP)

Section 1-07.29 is added:

The Contractor is required to coordinate with impacted transit agencies. King County Metro and/or Pierce Transit personnel will remove and reinstall all existing bus stop signs and supports within the project limits. A copy of all communications between the contractor and transit agencies shall be forwarded to the City of Federal Way.

Pierce Transit: Pierce Transit should be notified at (253) 581-8130 to coordinate.

King County Metro: King County should be notified in writing to starting any work impacting bus stops, a temporary lane or road closure. King County Metro requires the following be sent to them via email to construction.coord@kingcounty.gov:

- Construction Information Request form (available on Metro website)
- Copies of approved Traffic Control Plans

In order to provide timely notification to riders, notification must be made to King County Metro as follows:

- Single Bus Stop Closure: 5 business days (not including holidays)
- Projects that require multiple bus stop closures: 10 business days (not including holidays)
- Street closures that impact transit: 10 business days (not including holidays)
- Long-term bus stop moves that require the closure and relocation of a layover or access to Metro facilities: 30 business days (not including holidays)

1-08 PROSECUTION AND PROGRESS

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

Add this new section.

1-08.0(1) Preconstruction Conference

(October 21, 2025 APWA GSP)

Add the following new section:

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 Training or Apprenticeship Plans, when applicable.
5. To discuss FSBE Goals when applicable.
6. To establish normal working hours for the work;
7. To review safety standards and traffic control; and
8. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction meeting 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.

1-08.0(2) Hours of Work

(February 17, 2026 APWA GSP)

Add the following new section:

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 5:00 p.m., Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

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

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

If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll.

(December 1, 2021 CFW GSP)

Add the following new section:

The Contractor may request extended work hours on days when paving operations are occurring. Work hours may be modified to 7:00 a.m. to 5:30 p.m. on paving days if the Engineer determines that the benefits of extended working hours will minimize the overall impacts to traffic. Extended work hours for paving will require PCMS boards to be placed a minimum of 2 business days prior to the paving day. Payment for PCMS boards shall be considered incidental to the Contractor's operations, unless there is a specific bid item for PCMS boards.

1-08.1 Subcontracting

(December 30, 2022 APWA GSP, OPTION A)

1-08.1(1) General

(February 17, 2026 APWA GSP)

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

For purposes of this Section, all Work that is not self-performed by the Contractor will be considered as subcontracting except the following, hereinafter referred to as materials supplying: (1) when purchased directly by the Contractor - sand, gravel, crushed stone, crushed slag, batched concrete aggregates, ready-mix concrete, off-site fabricated structural steel, other off-site fabricated items, and any other materials supplied by established and recognized commercial plants; or (2) delivery of these materials to the Work site in vehicles owned or operated by such plants or by recognized independent or

commercial hauling companies hired by those commercial plants; or (3) the presence of a uniformed law enforcement officer and marked law enforcement vehicle.

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)A VACANT

1-08.1(8)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.

1-08.1(9) Submittal of Executed Subcontracts

(April 22, 2025 APWA GSP, Option B)

Section 1-08.1(9) content and title are deleted and replaced with the following:

Vacant

1-08.3 Progress Schedule

1-08.3(1) General Requirements

(October 3, 2022 WSDOT GSP, OPTION 2)

Section 1-08.3(1) is supplemented with the following:

In addition to information required in Items 1 through 6, the Progress Schedule shall include the following milestones and/or activities:

7. Materials requiring long procurement or fabrication periods, such as signal or light poles, structural elements, or mechanical items.

1-08.3(2)A Type A Progress Schedule

(February 17, 2026 APWA GSP)

Revise this section to read:

The Contractor shall submit 2 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and accept or return the schedule for corrections within 15 calendar days of receiving the submittal.

1-08.4 Prosecution of Work

Delete this section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

(February 17, 2026 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 2-04.3. 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.

(December 1, 2021 CFW GSP)

Section 1-08.4 is supplemented with the following.

The Contractor shall provide adequate equipment and forces to carry out the construction schedule to completion of the contract by the date specified.

1-08.5 Time for Completion

(February 17, 2026 APWA GSP, OPTION A)

Revise the third and fourth paragraphs to read:

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

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

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 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

(March 13, 1995 WSDOT GSP, OPTION 7)

Section 1-08.5 is supplemented with the following:

This project shall be physically complete within 20 working days.

1-08.6 Suspension of Work

(February 6, 2023 WSDOT GSP, OPTION 2)

Section 1-08.6 is supplemented with the following:

Contract time may be suspended for procurement of critical materials (Procurement Suspension). In order to receive a Procurement Suspension, the Contractor shall within 21 calendar days after execution by the Contracting Agency, place purchase orders for all materials deemed critical by the Contracting Agency for physical completion of the contract. The Contractor shall provide copies of purchase orders for the critical materials. Such purchase orders shall disclose the purchase order date and estimated delivery dates for such critical material.

The Contractor shall show procurement of the materials listed below as activities in the Progress Schedule. If the approved Progress Schedule indicates the materials procurement are critical activities, and if the Contractor has provided documentation that purchase orders are placed for the critical materials within the prescribed 21 calendar days, then contract time shall be suspended upon physical completion of all critical work except that work dependent upon the listed critical materials:

*** Video Detection System ***

*** Battery Backup System ***

Charging of contract time will resume upon delivery of the critical materials to the Contractor or 90 calendar days after execution by the Contracting Agency, whichever occurs first.

1-08.9 Liquidated Damages

(February 17, 2026 APWA GSP, OPTION A)

(February 17, 2026 APWA GSP, Option B)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

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

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

Liquidated Damages Formula

$$LD=0.15C/T$$

Where:

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

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

1-09 MEASUREMENT AND PAYMENT

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

(February 17, 2026 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.

The sixth paragraph of Section 1-09.9 is deleted.

(April 17, 2026 CFW GSP)

Supplement Section 1-09.9 with the following:

Progress estimates will be developed following receipt of a complete invoice submitted by the Contractor to the Project Engineer per RCW 39.76.011. The Contractor's invoice shall conform to the City's Payment Application form along with all required supporting documentation.

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 Claim Resolution

1-09.13(1) General

(December 30, 2022 APWA GSP)

Revise this Section to read

Prior to seeking claims resolution through arbitration or litigation, the Contractor shall proceed in accordance with Sections 1-04.5 and 1-09.11. The provisions of Sections 1-

04.5 and 1-09.11 must be complied with in full as a condition precedent to the Contractor's right to seek claim resolution through binding arbitration or litigation.

Any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be resolved, as prescribed herein, through binding arbitration or litigation.

The Contractor and the Contracting Agency mutually agree that those claims or causes of action which total \$1,000,000 or less, which are not resolved by mediation, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

The Contractor and the Contracting Agency mutually agree that those claims or causes of action in excess of \$1,000,000, which are not resolved by mediation, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding 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.

1-09.13(4) Venue for Litigation

(December 30, 2022 APWA GSP)

Revise this section to read:

Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. It is mutually agreed by the parties that when litigation occurs, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

END OF DIVISION 1

DIVISION 2 TEMPORARY FEATURES

CITY OF FEDERAL WAY

*****UNOFFICIAL BID COPY*****

SP-49

CITY CENTER GREENWAY PROJECT
PROJECT #36244

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

2-01 MOBILIZATION

(February 17, 2026 APWA GSP)

2-01.3 Construction Requirements

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

1. Portions of the Work covered by the specific Contract item or incidental Work which is to be included in a Contract item or items.
2. Profit, interest on borrowed money, overhead, or management costs.
3. Costs incurred for mobilizing equipment for force account Work.

2-01.5 Payment

Payment will be by lump sum as "Mobilization".

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

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

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

2-01.5 Payment

(April 17, 2026 CFW GSP)

Supplement Section 2-01.5 with the following:

Payment for mobilization includes the contractor obtaining a field office and/or location for storage of materials and equipment. Materials and equipment are not allowed to be stored within the public right-of-way. The Contractor shall provide the City with a copy of agreement(s) with property owner. All costs associated with securing sites shall be included in the Mobilization bid item.

2-03 PUBLIC CONVENIENCE AND SAFETY

2-03.3 Construction Requirements

2-03.3(1) Construction Under Traffic

(February 17, 2026 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.

(November 4, 2024 WSDOT GSP, OPTION 5)

Section 2-03.3(1) is supplemented with the following:

Lane, ramp, shoulder, and roadway closures are only permitted as follows:

- Lane closures shall not restrict vehicular access for buses through the project site. Bus stops shall remain ADA accessible at all times throughout the project.
- No paving or planing (milling) shall occur in residential areas on refuse, recycle, and yard waste collection days. Collection schedules are available at www.federalwaywa.gov/publicworks/recycling.

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours. Exceptions to these restrictions are listed below and when applicable take precedence over closures listed above. The Engineer may also consider on a case-by-case basis additional exceptions following a written request by the Contractor.

Lane, ramp, shoulder, and roadway closures are not allowed on any of the following:

1. A holiday,
2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.
3. After 12:00 PM (noon) on the day prior to a holiday or holiday weekend, and
4. Before 7:00 AM on the day after the holiday or holiday weekend.
5. Within the City Center zone from the Friday after Thanksgiving Day (“Black Friday”) until the first City recognized business day of the following year without written approval by the Engineer. The boundaries of the City Center zone are identified in the City of Federal Way Comprehensive Plan. In general, it is the area located within the following boundaries:
 - Northern boundary: S 312th Street
 - Southern boundary: S 324th Street

Eastern boundary: Interstate 5
Western boundary: 14th Ave S (future extension) / Federal Way 320th Library / 11th PI S

6. During student drop-off and pick-up times on school days if a school is located in or within 1/8 mile of the project limits or if the engineer determines the construction could impact school traffic during these peak times.
 - a. Student Drop-Off (typically in morning): 20 minutes prior to school start time until 10 minutes after school start time.
 - b. Student Pick-Up (typically in afternoon): 20 minutes prior to school end time until 20 minutes after school end time.
 - c. Daily bell schedules, as well as calendars which reflect no-school days, early release days, and half-days are available on FWPS.org.

Traffic Delays

When Automated Flagger Assistance Devices (AFADs) or flaggers are used to control traffic, traffic shall not be stopped for more than two minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than two minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the two minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the two minute limit. This proposal shall be accepted by the Engineer prior to resuming any work requiring traffic control.

There shall be no delay to medical, fire, or other emergency vehicles. The Contractor shall alert all flaggers and personnel of this requirement.

General Restrictions

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

No two consecutive on-ramps, off-ramps, or intersections shall be closed at the same time and only one ramp at an interchange shall be closed, unless specifically shown in the Plans.

Roads or ramps that are designated as part of a detour shall not be closed or restricted during the implementation of that detour, unless specifically shown in the Plans.

Controlled Access

No special access or egress shall be allowed by the Contractor other than normal legal movements or as shown in the Plans.

Contractor's vehicles of 10,000 GVW or greater shall not exit or enter a lane open to public traffic except as follows:

Egress and ingress shall only occur during the hours of allowable lane closures, and:

1. For exiting an open lane of traffic, by decelerating in a lane that is closed during the allowable hours for lane closures.
2. For entering an open lane of traffic, by accelerating in a closed lane during the allowable hours for lane closures.

Traffic control vehicles are excluded from the gross vehicle weight requirement. If placing construction signs will restrict traveled lanes, then the work will be permitted during the hours of allowable lane closures.

Advance Notification

The Contractor shall notify the Engineer in writing of any traffic impacts related to lane closure, shoulder closure, sidewalk closure, or any combination for the week by 12:00 p.m. (noon) Wednesday the week prior to the stated impacts.

The Contractor shall notify the Engineer in writing ten working days in advance of any traffic impacts related to full roadway closure, ramp closure, or both.

The Contractor shall notify the Engineer in writing of any changes to the stated traffic impacts a minimum of 48 hours prior to the traffic impacts.

(November 14, 2025, CFW GSP)

Section 2-03.3(1) is supplemented with the following:

At least 48 hours prior to conducting work that temporarily impacts access to adjacent properties (i.e. paving operations), the Contractor shall notify all affected property owners and tenants. Notification shall be in the format of a door hanger. Information provided on the door hanger must be approved by the City prior to distribution.

(November 14, 2025, CFW GSP)

Section 2-03.3(1) is supplemented with the following:

For projects with bid schedules located in multiple locations throughout the City, the Contractor shall not have personnel or subcontractors working on-site at more than two schedules at any given time.

(March 21, 2025, CFW GSP)

Section 2-03.3(1) is supplemented with the following:

Traffic signals shall only be switched into flash mode by City staff or King County Traffic personnel. Placing a signalized intersection into flash mode requires pre-approval by the City via an approved traffic control plan. The type of work that requires signals to be placed into flash mode may include, but is not limited to: installation of signal poles; signal switchover; paving, striping, or excavation in the intersection.

2-03.3(3) Work Zone Clear Zone

(April 17, 2026 CFW GSP)

Section 2-03.3(3) is supplemented with the following:

During nonworking hours equipment or materials shall not be within the public right-of-way unless approved by the City. Storage of materials and equipment is not allowed within the public right-of-way.

2-04 TEMPORARY TRAFFIC CONTROL

2-04.3(1) Traffic Control Management

(September 2, 2025 WSDOT GSP, OPTION 1)

Section 2-04.3(1) is supplemented with the following:

Work Zone Safety Contingency

Enhancements to improve the effectiveness of the accepted traffic control plans to increase the safety of the work zones shall be discussed on a weekly basis between the Contractor and the Contracting Agency. Enhancements shall be mutually agreed upon by the Contractor and Engineer prior to performing any Work to implement the enhancement.

Enhancements do not include the use of Uniformed Police Officers or WSP, address changes to the allowed work hour restrictions, or changes to the staging plans in the Contract (if applicable). If allowed by the Engineer, these items will be addressed in accordance with Section 1-04.4.

The Contractor shall be solely responsible for submitting any traffic control plan revision to implement the enhancement in accordance with Section 2-04.3(2).

(March 9, 2026 WSDOT GSP, OPTION 2)

Section 2-04.3(1) is supplemented with the following:

The Traffic Control Supervisor shall be certified by one of the following:

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>

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

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

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

The Northwest Laborers-Employers Training Trust
27055 Ohio Ave.

Kingston, WA 98346
(360) 297-3035
<https://www.nwlett.edu>

Trafficorp
5077 N. Bldg Center Drive
Coeur d'Alene, ID 83815
(208) 665-4683
<https://trafficorp.com/contact-us/>

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

2-04.3(2) Traffic Control Plans
(November 6, 2025 CFW GSP)

Section 2-04.3(2) is supplemented with the following:

If the Contractor opts to utilize traffic control plans other than those provided in these Contract Documents, the Contractor shall provide traffic control plans to the City of Federal Way for review and approval a minimum of five (5) working days prior to implementation.

The plans shall include the following information:

- Location and spacing of traffic control devices
- Minimum lane widths provided for vehicular travel.
- Turn pocket length, gap, and tapers
- Location of proposed flagger stations

2-04.3(4)B Other Traffic Control Labor
(February 17, 2026, APWA GSP)

Section 2-04.3(4)B is supplemented with the following:

Uniformed Police Officer

Definitions:

Uniformed Police Officer as used in this specification is a "General Authority Washington Peace Officer" as defined by RCW 10.93.020 (4), or a "Specially Commissioned Washington Peace Officer" as defined by RCW 10.93.020(11).

Law Enforcement Agency as used in this specification is a "General Authority Washington Law Enforcement Agency" as defined by RCW 10.93.020(3).

The Contractor shall arrange for off-duty UPOs to be present for the following activities:

1. At the commissioning of a new traffic signal, or the recommissioning of an existing traffic signal which has been upgraded.
2. Countermanding a traffic signal indication at a signalized intersection.
3. Directing vehicle and pedestrian traffic when a traffic signal indication is turned off or is inoperative.
4. Where the Engineer deems it necessary for safety, including Work during hours of darkness.

It shall be the Contractor's responsibility to secure the off duty UPO as required by the Contract, including the costs to arrange, coordinate, and supervise.

The following contact information is supplied for the Contractor's convenience:

Agency Police Officer
Contact: City of Federal Way Police
Phone: (253) 835-6701
County Deputy Sheriff
Contact: King County Sheriff
Phone: (206) 296-4155
Washington State Patrol
Contact: Washington State Patrol
Phone: (425) 401-7788

The Contractor must obtain prior approval for use of off-duty UPOs through an approved traffic control plan and approved amendments to the Contract traffic control Plans. The off-duty UPO shall be in addition to all other personnel required for flagging according to the approved traffic control plan.

A UPO shall be provided in the event of accidental power outages or disruption of a signalized intersection as a result of Contractor's Work and remain in place until the intersection becomes satisfactorily operational as determined by Agency Engineer or his/her representative.

The UPO shall provide their Agency Police Vehicle with active light bars for night visibility.

(November 13, 2025, CFW GSP)

Section 2-04.3(4)B is supplemented with the following:

The Federal Way Chief of Police must approve the use of UPO's from another law enforcement agency.

Agency Police Vehicles are required to be on-site at all times when a UPO is present.

2-04.3(6)K Pedestrian Traffic Control

(November 14, 2025 CFW GSP)

Section 2-04.3(6)K is supplemented with the following:

The Contractor shall keep all pedestrian routes & access points (including, but not limited to, sidewalks, and crosswalks when located within the project limits) open and clear at all times unless permitted otherwise by the Engineer in an approved traffic control plan. An ADA accessible route must be provided through the project site at all times.

2-04.4 Measurement

2-04.4(2) Item Bids with Lump Sum for Incidentals

(February 17, 2026, APWA GSP)

Section 2-04.4(2) is supplemented with the following:

"Uniformed Police Officer" will be measured by the hour. Hours will be measured for each fully equipped Uniformed Police Officer, including vehicle, if required, directing or monitoring traffic, as shown on an approved Traffic Control Plan in accordance with Section 2-04.3(4)B of these Special Provisions.

2-04.5 Payment

2-04.5(2) Item Bids with Lump Sum for Incidentals

(November 2, 2022 WSDOT GSP, OPTION 7)

Section 2-04.5(2) is supplemented with the following:

“Work Zone Safety Contingency”, by force account.

All costs as authorized by the Engineer will be paid for by force account as specified in Section 1-09.6.

For purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount for the item “Work Zone Safety Contingency” in the Proposal to become a part of the Contractor’s total bid.

The Engineer may choose to use existing bid items for the implementation of the agreed upon enhancement.

(February 17, 2026 APWA GSP, Option B)

Section 2-04.5(2) is supplemented with the following:

“Uniformed Police Officer”, per hour.

The unit contract price for “Uniformed Police Officer”, when applied to the number of units measured for this item in accordance with Section 2-04.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Contract Work defined in Section 2-04.3(4)B of these Special Provisions, including all costs for arrangement for and supervision of uniformed law enforcement personnel and vehicles to participate in the Contractor’s traffic control activities.

END OF DIVISION 2

DIVISION 3 EARTHWORK

CITY OF FEDERAL WAY

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SP-58

CITY CENTER GREENWAY PROJECT
PROJECT #36244

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

3-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

3-01.1 Description

(March 13, 1995 WSDOT GSP, OPTION 1)

Section 3-01.1 is supplemented with the following:

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

Limits for clearing & grubbing shall be as shown on the plans. Clearing shall include removal of trees as noted on the plans or as directed by the Engineer to accommodate the improvements. Tree removal shall include removal of stumps and/or grinding of stumps to a depth at least two feet below finish grade.

3-01.3 Construction Requirements

3-01.3(4) Roadside Cleanup

(January 5, 1998 WSDOT GSP, OPTION 1)

Section 3-01.3(4) is supplemented with the following:

The Contractor shall restore, repair or correct all portions of the roadside or adjacent landscapes that were unavoidably damaged due to the performance or installation of the specified work. Unavoidable damage shall be determined only by the Engineer. All materials utilized shall be in accordance with Sections 9-14 and 9-15 and other applicable sections of the Standard Specifications or Special Provisions, whichever may apply. All work shall be performed in accordance with Sections 8-02 and 8-03 and other applicable sections of the Standard Specifications. The Contractor shall review the work with the Engineer and receive approval to proceed prior to commencing the work.

3-01.3(5) Clearing Limit Fence

(April 12, 2018 CFW GSP)

Section 3-01.3(5) is a new section:

Clearing limit fence shall be 4-feet high, orange, high density polyethylene fencing with mesh openings 1½-inch by 3-inches nominal and weigh at least 7 oz. per linear foot. Either wood or steel posts shall be used. Wood posts shall have minimum dimensions of 1½ inches by 1½ inches by the minimum length of 5 feet, and shall be free of knots, splits, or gouges. Steel posts shall consist of either size No. 6 rebar or larger, ASTM A 120 steel pipe with a minimum diameter of 1 inch, U, T, L or C shape steel posts with a minimum weight of 1.35 lbs./ft. or other steel posts having equivalent strength and bending resistance to the post sizes listed. The spacing of the support posts shall be a maximum of 6½ feet.

3-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

3-02.3 Construction Requirements

(October 4, 2021 WSDOT GSP, OPTION 5)

Section 3-02.3 is supplemented with the following:

Removal and Disposal of Asbestos Material

In the event suspected Asbestos Containing Material (ACM) is encountered, the Contractor shall immediately notify the Engineer and the provisions of Section 1-04.7 shall apply. Prior to commencing asbestos related work, the Contractor shall obtain all permits from and provide notification to, the Washington State Department of Labor and Industries, the Washington State Department of Ecology, the local clean air agency, and other permitting and regulatory agencies with jurisdiction over the work involving asbestos as the laws, rules, and regulations require.

The ACM shall only be disturbed under the supervision of a Washington State Certified Asbestos Supervisor (CAS). The CAS shall be certified in accordance with WAC 295-65-012.

The CAS shall supervise the asbestos removal and ensure that the handling and removal of asbestos is accomplished by certified asbestos workers and in accordance with Washington State Department of Labor and Industries standards. The Contractor shall ensure that the removal and disposal of asbestos meets the requirements of EPA regulation 40 CFR Part 61, local health department regulations, and all other applicable regulations.

No asbestos is expected to be encountered. However, if the Contractor believes they have encountered asbestos, they shall immediately notify the Engineer in accordance with Section 1-04.7.

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

(November 4, 2025 CFW GSP)

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

No wastewater from the sawcutting operation shall be released directly to any stream or storm sewer system.

Removal of pavement, curbs, gutters, and sidewalks shall be measured and paid as "Roadway Excavation incl. Haul" in accordance with Section 3-03.

3-02.4 Vacant

(April 17, 2026 CFW GSP)

Section 3-02.4 Vacant shall be deleted and replaced with the following:

3-02.4 Measurement

"Sawcutting" will be measured by the linear foot. Sawcutting necessary for utility and stormwater installation and removal are incidental to the measurement and payment of those contract items.

3-02.5 Payment

(**)***

Section 3-02.5 is supplemented with the following:

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

“Sawcutting”, per linear foot.

3-03 ROADWAY EXCAVATION AND EMBANKMENT

3-03.3 Construction Requirements

Section 3-03.3(3) Excavation Below Subgrade

(November 4, 2025 CFW GSP)

Section 3-03.3(3) is supplemented with the following:

All excavations shall be founded on dense, non-yielding granular foundation soil as approved by the engineer. Remove all organic materials and debris, trash, or other deleterious material prior to beginning construction above subgrade. Proof roll the subgrade as directed by the Engineer.

Section 3-03.3(10) Selected Material

(November 4, 2025 CFW GSP)

Section 3-03.3(10) is supplemented with the following:

If the Contractor requests the use of Selected Material, the Contractor shall complete and provide material gradation test results to the City for the City's use in evaluating the material.

Section 3-03.3(14)G Backfilling

(February 21, 2024 CFW GSP)

Section 3-03.3(14)G is supplemented with the following:

Remove all water and non-compatible materials from excavations prior to backfilling or attempting to compact embankment soil. Provide import Gravel Borrow as required to complete the work. Backfill all embankments in accordance with 3-03.3(14)C, Compacting Earth Embankments, Method C.

Section 3-03.3(20) Wet Weather Earthwork

(November 4, 2025 CFW GSP)

Section 3-03.3(20) is a new section:

Excavation and embankment work completed in wet weather or under wet conditions shall be accomplished in small sections to minimize exposure to wet weather. Each section shall be sufficiently small so that the removal of materials and placement of backfill can be accomplished on the same day. No soil shall be left un-compacted and exposed to water. Soil that is too wet for compaction shall be removed and replaced with Gravel Borrow material. Grading and earthwork should not be accomplished during periods of heavy continuous rainfall.

3-03.4 Measurement

(March 13, 1995 WSDOT GSP, OPTION 2)

Section 3-03.4 is supplemented with the following:

Only one determination of the original ground elevation will be made on this project. Measurement for roadway excavation and embankment will be based on the original ground elevations recorded previous to the award of this contract.

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.

Electronic Design Files will be available by request for the Bidder's Inspection before the opening of the Bids.

(November 4, 2025 CFW GSP)

Section 3-03.4 is supplemented with the following:

If the Contractor excavates outside the neat-line limits designated for "Roadway Excavation, Incl. Haul" or performs extra excavation, it shall be considered for the Contractor's benefit and this additional work shall not be eligible for payment from the City.

3-03.5 Payment

(March 13, 1995 WSDOT GSP, OPTION 2)

Section 3-03.5 is supplemented with the following:

All costs in connection with the preparation of waste sites and waste deposits shall be included in the Mobilization.

END OF DIVISION 3

DIVISION 4
AGGREGATES AND BASES

CITY OF FEDERAL WAY

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Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

SP-64

CITY CENTER GREENWAY PROJECT
PROJECT #36244

4-01 PRODUCTION FROM QUARRY AND PIT SITES

4-01.4 Contractor Furnished Material Sources

4-01.4(1) Acquisition and Development

(April 12, 2018 CFW GSP)

Section 4-01.4(1) is supplemented with the following:

No source has been provided for any materials necessary for the construction of these improvements.

If the source of material provided by the Contractor necessitates hauling over roads other than City streets, the Contractor shall, at his own cost and expense, make all arrangements for the use of haul routes.

4-05 BALLAST AND CRUSHED SURFACING

4-05.3 Construction Requirements

4-05.3(3) Mixing

(April 12, 2018 CFW GSP)

Item 2 of Section 4-05.3(3), is replaced with the following:

2. **Road Mix Method** - The road mix method of mixing surfacing material will not be allowed.

4-05.3(4) Placing and Spreading

(April 12, 2018 CFW GSP)

Item 2 of Section 4-05.3(4), is replaced with the following:

2. **Road Mix Method** - The road mix method of mixing surfacing material will not be allowed.

4-05.5 Payment

(January 19, 2024 CFW GSP)

Section 4-05.5 is supplemented with the following:

The unit contract price for Crushed Surfacing and Shoulder Finishing shall also include hauling, compacting, spreading, and removing to waste when required by the Engineer.

END OF DIVISION 4

DIVISION 5
SURFACE TREATMENTS AND
PAVEMENTS

CITY OF FEDERAL WAY

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Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

SP-67

CITY CENTER GREENWAY PROJECT

PROJECT #36244

(December 12, 2025 APWA GSP)

Delete Section 5-02 Bituminous Surface Treatment, and replace it with the following:

5-02 SLURRY SEAL

5-02.1 Description

The Work covered by these Specifications include the design, testing, construction and quality control required for the proper application of an emulsified asphalt slurry seal surface treatment. The Contractor shall furnish all materials, transportation, labor, tools, equipment and services necessary for the full and complete installation of Slurry Seal and all incidental items necessary to complete the Work as described in the Plans.

5-02.2 Materials

The Slurry Seal shall consist of a mixture of an approved emulsified asphalt, mineral aggregate, water and specified additives properly proportioned, mixed and uniformly spread over a prepared surface. The completed slurry seal shall leave a homogeneous surface that adheres firmly to the prepared pavement surface. The Slurry Seal mixture shall be designed such that the emulsion shall break and set on the aggregates in no more than five (5) minutes and the completed Slurry Seal will be ready for cross traffic in no more than sixty (60) minutes.

Materials for Slurry Seal shall meet the requirements of the following sections:

Polymer Modified Cationic Emulsified Asphalt CQS-1hP	9-02.1(6)B
Aggregates for Slurry Seal	9-03.6
Mineral Filler 9-03.8(5)	

Water shall be free of soluble salts and shall be of such quality that the asphalt shall not separate from the emulsion before the slurry seal is in place in the Work. If the proposed source of water is non-potable, a representative sample shall be taken and used for designing the slurry seal mixture.

With the approval of the Engineer, additives may be used to accelerate, or retard, the set of the mixture. If additives are proposed for use, product information and proposed dosage shall be submitted to the Engineer for evaluation and approval prior to incorporation into the mix design.

5-02.3 Construction Requirements

5-02.3(1) Mix Design

5-02.3(1)A General

The Contractor shall submit to the Engineer for approval a complete mix design prepared and certified by the Contractor's laboratory. The proposed mix design shall be developed within the following limits for the constituent materials:

Component	Limits
Residual Asphalt	7.5-13.5 percent by dry weight of aggregates.
Mineral Filler	0.0-3.0 percent by dry weight of aggregates.
Additives	As approved by the Engineer.
Water	As required.

The mix design must be developed by a qualified laboratory listed by the International Slurry Seal Association (ISSA). A previous mix design with accompanying lab reports covering the exact materials proposed for use may be submitted, provided they were produced within one year of the Notice to Proceed.

The mix design shall be developed with aggregates of the same source and gradation that the Contractor shall provide on the project. Compatibility of the aggregate, emulsion, mineral filler, and other additives shall be verified by the mix design.

Once the mix design is approved by the Engineer it will become the Job Mix Formula (JMF) and no modifications will be permitted without the written approval of the Engineer. There shall be only one (1) JMF used for the Work at any time.

Modifications to the JMF may be proposed by the Contractor in writing and shall be accompanied by the results of testing by the laboratory that developed the mix design being used as the JMF. If the modifications are approved by the Engineer, the modified mix design will become the JMF.

The cost of developing or modifying the mix design shall be incidental to the project.

5-02.3(1)B Laboratory Requirements and Report

Sources of all materials shall be selected prior to the commencement of the Work allowing sufficient time to have all materials tested and a mix design developed by a laboratory qualified as described in 5-02.3(1)A. All items outlined and referenced in this Specification shall be suitable for use in the slurry mixture. The laboratory shall determine the theoretical asphalt content and whether a mineral filler or additive is needed, and if so, to what proportions.

The laboratory shall submit a complete laboratory analysis and test report accompanied by slurry test samples via the Contractor prior to the commencement of Work. Such analyses and report shall be the original signed certificates and documents for all necessary items concerning the mix design and the specified materials. All pre-construction sampling and testing shall be at the expense of the Contractor. Any additional tests deemed necessary during actual construction shall be paid for by the Contracting Agency, unless the materials are found out of compliance with these Specifications, in which case the Contractor shall bear all costs for testing of non-compliant and replacement materials.

The laboratory report will show the results of tests performed on the individual materials, comparing their values to those required by these Specifications. The report will also provide the results from the following test methods on the slurry seal mixture.

Test	Test Method	Specification
Mix Time @ 77° F	ISSA TB 113 ¹	Controllable to 150 Sec. Min.
Wet Cohesion @30 Minutes Min. (Set) @60 Minutes Min. (Traffic)	ISSA TB 139	12 kg-cm Min. 20 kg-cm or Near Spin Min.
Wet Stripping	ISSA TB 114	Pass (90% Min.)
Wet-Track Abrasion Loss One-Hour Soak	ISSA TB 100	60 g/ft ² Max.
Excess Asphalt by LWT Sand Adhesion	ISSA TB 109	50 g/ft ² Max.

¹Provide a characteristic curve that encompasses the anticipated minimum and maximum ambient temperatures to be encountered during the Work.

The laboratory shall also provide a bulking curve for the aggregate using the methodology of AASHTO T19 to determine the bulk density of the aggregate at varying moisture contents.

The mix design report shall include the following items:

1. Name and contact information for the laboratory.
2. Aggregate source, gradation, sand equivalent value and bulking curve.
3. Binder grade, source of supply and analysis report.
4. Results of laboratory testing.
5. Proposed JMF.

5-02.3(2) Equipment

5-02.3(2)A General

All equipment, machinery, apparatus and tools specified, and incidental, to the performance of this Work shall be provided by the Contractor and maintained in satisfactory working order at all times. The specific equipment to be used for proportioning, mixing, and applying the slurry seal, along with appropriate descriptive information on calibration, and related devices, shall be available for inspection not less than two (2) days before the Work starts. The Engineer reserves the right to disqualify equipment because of its age, capacity, capability, mechanical condition or other factors which could cause substandard performance and/or excessive delays or unreasonable inconvenience to the public. The Contractor shall have daily access to back-up equipment and parts in the event of failure or breakdown.

5-02.3(2)B Slurry Mixing Equipment

Slurry seal mixing equipment shall be a continuous flow mixing unit and have suitable means of accurately metering each individual material being fed into the mixing chamber. All feeding mechanisms must be continuous feed. Proportioning according to the JMF must remain constant at all times. The equipment shall have sufficient storage capacity for all components to maintain an adequate supply of materials to the proportioning controls.

The equipment shall be equipped with approved metering devices so that the unit can be properly calibrated, and the quantities of material used during any one period can be readily determined. In the event these metering devices stop working, the slurry unit(s) shall be stopped until they are repaired. The emulsion storage tank of the mixing unit shall be equipped with a convenient device, calibrated in a maximum of ten (10) gallon increments, to measure the quantity of emulsion used with each mixer load of slurry. The aggregate gate shall be equipped with a convenient device calibrated in inches to determine the gate setting of the aggregate feed.

Devices used for metering and blending additive(s) are subject to approval by the Engineer.

Slurry seal mixing equipment shall be capable of mixing all materials at pre-set proportions regardless of speed of placement. The mixing unit shall thoroughly blend all materials to form a homogeneous mass before discharge from the mixer.

5-02.3(2)C Slurry Spreading Equipment

The slurry mixture shall be agitated and spread uniformly within the surfacing box by means of twin-shafted paddles or auger system. The slurry spreader shall be equipped to prevent loss of slurry mixture from all sides and with a rear discharge gate equipped with a single flexible strike off. The addition of extra tail rubbers or the addition of extra weight to be spreader box will not be

permitted. It shall be capable of producing a uniform surface spread across its full width including crown adjustments. It shall have suitable means for side tracking to compensate for deviation in pavement geometry. The unit shall have a water pressure system, and fog type spray bar adequate for complete fogging of the surface preceding the spreading apparatus.

The spreader shall be kept reasonably clean of build-up of asphalt and aggregate and shall be maintained during use to prevent loss of slurry mixture.

Any type of drag shall be subject to approval by the Engineer and kept in a completely flexible condition at all times.

5-02.3(2)D Auxiliary Equipment

Suitable crack and surface cleaning equipment, traffic control equipment, hand tools and any safety and support equipment shall be provided as necessary by the Contractor to perform the Work. All surface preparations including crack sealing and final sweeping prior to application shall be performed by the Contractor.

5-02.3(3) Machine Calibration and Verification

5-02.3(3)A Calibration

Each slurry mixing unit in performance of the Work shall be calibrated with the approved source material in the presence of the Engineer prior to starting the project. Previous calibration may be submitted in lieu of calibration in the Engineer's presence, provided the calibrations occurred within the previous sixty (60) days and used the exact materials proposed for the Work. The documentation shall include an individual calibration of each material at various settings, which can be related to the machine's metering device(s). Acceptance of previous calibration documentation will be at the sole discretion of the Engineer.

The replacement or repair of any component on the machine that affects material proportioning shall require that the machine be recalibrated.

No machine will be allowed to work on the project until the calibration has been completed and accepted by the Engineer.

5-02.3(3)B Verification

A Slurry Seal Test Strip shall be placed after calibration and prior to starting the project. The location for the Test Strip shall be a portion of the Work designated by the Engineer and shall be no less than 500 feet in length. The Test Strip shall be representative of the work to be performed and shall comply with these specifications in all respects.

The Contractor and the Engineer shall compute the spread application rate to assure the minimum pounds per square yard have been applied. The Work shall not proceed until the Test Strip is evaluated and accepted by the Engineer.

All work on the project shall be at least equal in quality and appearance to the accepted Test Strip.

5-02.3(4) Weather Limitations

Slurry seal shall not be applied when the day's forecasted weather indicates a high temperature of less than sixty-five (65) degrees F, a humidity greater than seventy (70) percent or a chance of rain greater than ten (10) percent.

Slurry seal shall not be applied if either the pavement or air temperature is below fifty-five (55) degrees F. Slurry seal shall not be applied in the rain. Slurry damaged by rain within the first twenty-four (24) hours after application shall be replaced by the Contractor to the satisfaction of the Engineer at no additional cost. The Contractor shall clean the street of all remaining slurry mix materials prior to re-application.

5-02.3(5) Construction

5-02.3(5)A Surface Preparation

(*****)

Prior to applying the slurry seal to each street, the Contractor shall remove all plastic markings, painted markings and pavement markers. All existing painted or plastic pavement markings shall be removed by grinding. Painted shared lane markings do not require removal.

Seal cracks and joints in the pavement in accordance with Section 5-03 for BST.

Immediately prior to applying the slurry seal, the surface shall be cleared of all loose material, oil spots, vegetation, and other objectionable material and will be subject to the approval of the Engineer prior to application. Sweeping shall be performed by the Contractor using a self-contained power sweeper with water. The edge of pavement may be covered with soil, vegetation, or other debris. The Contractor shall demonstrate that the edge of pavement has been found and all debris removed from it. This may require labor and equipment in addition to a power sweeper.

Immediately before commencing the slurry seal operations, all surface metal utility covers (including survey monuments) shall be protected by thoroughly covering the surface with an appropriate adhesive and oiled or plastic paper. No adhesive material shall be permitted to cover, seal or fill in the joint between the frame and cover of the Structure. Covers are to be uncovered and cleaned of slurry material by the end of the same workday.

Prior to start of the slurry seal application, the Contractor shall install inlet protection (catch basin inserts) in all catch basins and other storm drainage inlets within the area of the Work. The catch basin inserts shall be left in place until the final sweeping is completed.

5-02.3(5)B Application

All workers shall have sufficient skill and experience to properly perform the Work assigned to them. Workers engaged in special or skilled works shall have sufficient experience in such work and in the operation of the equipment to perform all work properly and in compliance with this specification.

The surface shall be pre-wetted by fogging with water ahead of the slurry spreader when required by field conditions. Fogging spray shall be applied uniformly across the entire surface width to achieve a damp surface with no apparent flowing water gathering in front of the spreader. The rate of application of the fog spray shall be adjusted during the day to suit temperatures, surface texture, humidity, and dryness of the pavement surface.

The slurry mixture shall be of the desired consistency upon leaving the mixer and no additional materials or water shall be added. Total time of mixing should not exceed four (4) minutes. A sufficient amount of slurry mixture shall be carried in all parts of the spreader at all times to ensure that complete coverage is obtained. Overloading of the spreader shall be avoided. No lumping, balling, or unmixed aggregate will be permitted. No segregation of the emulsion and aggregate

will be permitted. Progress and spreading of mixture shall be maintained to not allow the "breaking" of emulsion in the spreader box. No streaks, such as those caused by oversized aggregate, or washboards, will be left in the finished surface. If defects are observed during placement, the Work will be stopped until the Contractor demonstrates to the Engineer's satisfaction that the defective work has been corrected.

The Contractor shall be responsible for the removal of all excess slurry mixture spread, spilled, spattered, or tracked beyond street limits, on driveways, sidewalks, curbs, and other related items. Spillage and deficiencies shall be corrected immediately. Ridges or bumps in the finished surface will not be permitted and shall be corrected immediately by the Contractor.

The mixture shall be uniform and homogeneous after spreading on the surface and shall not show separation of the emulsion and aggregate after setting. Adequate means shall be provided to protect the slurry seal from damage from traffic until such time that the mixture has cured sufficiently so that the slurry seal will not adhere to and be picked up by the tires of the vehicles or leave tire marks in the surface of the slurry. The Contractor shall repair all tire marks.

5-02.3(5)C Rate of Application

The slurry mixture shall be of proper consistency at all times to provide a homogeneous mat that will provide the amount of mixture required by the surface condition. The actual application rate shall be determined by the Engineer and dependent upon street surface condition necessary to provide a depth of Slurry Seal sufficient to address surface conditions. The expected application rate shall be between fourteen (14) and eighteen (18) pounds per square yard based upon the dry weight of the aggregate in the mixture.

In no case shall the application rate be less than fourteen (14) pounds per square yard.

The Engineer may utilize the calibrated recorders and measuring facilities of the slurry seal mixing unit(s) to determine application rates, asphalt emulsion content, mineral filler and additives(s) content for an individual load.

5-02.3(5)D Joints

No excess buildup, uncovered areas or unsightly appearance shall be permitted on longitudinal or transverse joints.

The Contractor shall provide suitable width spreading equipment to produce a minimum number of longitudinal joints throughout the project. Whenever possible, longitudinal joints shall be placed on lane lines. Half passes and odd width passes will be used only as necessary. If half passes are used, they shall not be the last pass of any paved area. A maximum of three (3) inches will be allowed for overlap of longitudinal lane line joints.

Sufficient building paper, or other similar materials, shall be maintained by the Contractor for use at project limits to provide a clean, neat edge. Joints between asphalt pavement and concrete curb shall be completely and neatly sealed without excessive slipover onto the concrete, and unsightly and objectionable, excess shall be immediately removed. The flow line at the curb shall be maintained to allow storm drainage flow without ponding.

5-02.3(5)E Mix Stability

The slurry mixture shall possess sufficient stability so that premature breaking of the slurry seal in the spreader box does not occur. The mixture shall be homogeneous during the following mixing and spreading, it shall be free of excess water or emulsion and free of segregation of the emulsion

and aggregate fines from the coarser aggregate. Spraying of additional water into the spreader box will not be permitted.

5-02.3(5)F Hand Work

Areas which cannot be reached with the slurry seal machine shall be surfaced using hand squeegees to provide complete and uniform slurry seal coverage. The area to be hand worked shall be lightly dampened prior to mix placement and the slurry worked immediately. Care shall be exercised to leave no unsightly appearance from handwork.

The same type of finish as applied by the spreader box shall be required. Hand work shall be completed during the machine applying process. Sufficient personnel shall be available to complete all handwork during the same time as machine work to minimize the need for follow-up patchwork. Care shall be exercised to ensure a proper application rate to hand worked areas.

5-02.3(5)G Lines

Care shall be taken to insure straight lines along curbs, driveways, shoulders, and other appurtenances. There shall be no runoff on these areas. Excess runoff will not be considered for payment. Lines at intersections shall be kept straight to provide a good appearance.

5-02.3(5)H Clean-up

All areas, such as manholes, concrete gutters and intersections, shall have the slurry seal removed by the Contractor to the satisfaction of the Engineer. The Contractor shall remove any debris associated with the performance of the Work daily. The Contractor shall be responsible for immediate cleanup of any spills associated with the Contractor's operations.

Damage caused by the Contractor's operations shall be repaired or replaced in kind by the Contractor and must meet the approval of the Engineer. Excess aggregate shall be removed after Work is completed at each staging area.

Areas that have been sanded shall be swept clean within twelve (12) hours after traffic control is removed. Catch basin inserts shall be removed after the final street sweeping has been completed.

5-02.3(5)I Curing

The applied Slurry Seal shall be cured for such time that the street may be opened to traffic after application without tracking or damage to the surface. The minimum time for curing the applied Slurry Seal shall be four (4) hours. If conditions permit, the Engineer may allow a shorter period of curing upon written request by the Contractor.

The Contractor shall protect the area for the full curing period.

The Contractor shall repair all damage to the Slurry Seal to the satisfaction of the Engineer at no additional cost to the Agency.

5-02.3(6) Quality Assurance

5-02.3(6)A Materials

The Contractor shall permit the Engineer to take samples of the aggregate and asphalt emulsion used in the project as required in Section 5-02.3(6)B.

To account for aggregate bulking, it is the responsibility of the Contractor to check stockpile moisture content and to set the machine as required. Moisture content shall be checked at least daily, or more frequently, as necessary, to maintain the quality and consistency of the Slurry Seal. The results of moisture content testing shall be reported to the Engineer as soon as they become available after testing.

5-02.3(6)B Quality Assurance Sampling and Testing

Aggregates for slurry sealing will be sampled by the Engineer in accordance with AASHTO R90 once for every 300 tons delivered. Samples will be tested for gradation in accordance with AASHTO T27. A minimum of two samples will be taken and tested regardless of the total tonnage of aggregate delivered. If testing shows the aggregates to be out of tolerance as noted in Section 9-03.6, the Contractor shall have the option of blending in additional material to bring the stockpile into compliance with the aggregate gradation approved in the JMF or replacing the material with new. Changes in aggregate source for either blending or replacement shall require a new approved JMF.

The CQS-1hP asphalt emulsion will be sampled by the Engineer upon the first load delivered and then for every other load delivered thereafter. Each sample will be tested for the properties described in Section 9-02.1(6)B. Each sample will represent a lot of asphalt emulsion defined as all emulsion delivered since the previous sample was drawn.

The rate of application may be calculated utilizing information noted in Section 5-02.3(5)C at any time as deemed by the Engineer as conditions warrant. At a minimum the rate of application will be calculated by the Contractor and submitted to the Engineer at least twice per shift, or once per partial shift.

5-02.3(6)C Tolerances

Tolerances for individual materials as well as the slurry seal mixture are as follows:

1. The percentage of aggregate passing each sieve shall be within the stockpile tolerance range as stated in Section 9-03.6.
2. The percentage of aggregate passing shall not go from the high end to the low end of the specified range of any two successive sieves.
3. CQS-1hP asphalt emulsion shall be within the parameters shown in Section 9-02.1(6)B.
3. The rate of application once determined by the Engineer shall not vary more than plus or minus two (2) pounds per square yard, while remaining within the limits provided in Section 5-02.3(5)C.

5-02.3(6)D Non-Compliance

If any two (2) successive tests of the stockpile material fail to fall within the tolerances specified in Section 5-02.3(6)C, the Work will be stopped. It shall be the responsibility of the Contractor, at its own expense, to demonstrate to the Engineer's satisfaction that the aggregate conditions have been corrected before the Work may be resumed.

If the properties of the CQS-1hP asphalt emulsion fall outside the limits described in Section 5-02.3(6)C, the in-place Slurry Seal represented by the non-compliant lot of emulsion will be rejected.

If the rate of application of the Slurry Seal deviates from the limits provided in Section 5-02.3(6)C, the Work will be stopped and not re-started until the Contractor has made corrections and received permission from the Engineer.

If the Slurry Seal mix from any machine fails to meet the requirements of this Specification in any way, the use of that machine shall be suspended. It will be the responsibility of the Contractor, at the Contractor's own expense, to demonstrate to the Engineer's satisfaction that the machine has been repaired, calibrated, and that the machine is working properly before returning that machine to service.

5-02.4 Measurement

Measurement for "Slurry Seal" will be by the square yard for the surface applied.

Measurement for "Surface Preparation" will be by the square yard.

5-02.4 Payment

Payment for the work described in Section 5-02 will be by the bid item price.

"Slurry Seal", per square yard.

Payment shall include all costs for the work required to furnish and place all materials, and for furnishing all equipment, labor and incidentals necessary to complete the work as specified.

"Surface Preparation", per square yard.

Payment shall include all costs for the work required to furnish and place all materials, and for furnishing all equipment, labor and incidentals necessary to complete the work as specified.

5-04 HOT MIX ASPHALT

(December 12, 2025 APWA GSP)

Delete Section 5-04 and replace it with the following:

5-04.1 Description

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

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

5-04.2 Materials

Materials shall meet the requirements of the following sections:

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

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

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

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

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

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

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

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

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

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

5-04.2(1)A Vacant

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

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

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

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

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

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

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

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for 1 million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-

03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).

- Have anti-strip requirements, if required, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

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

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

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

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

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

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

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

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

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

Minimum Surface Temperature for Paving

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

5-04.3(2) Paving Under Traffic

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

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

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

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

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

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

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

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.
2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.
3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).
5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:
 - a. A mechanical sampling device attached to the HMA plant.
 - b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

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

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

5-04.3(3)C Pavers

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

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

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

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the

established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

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

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

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

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

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

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

To be approved for use, an MTV:

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

To be approved for use, an MTD:

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

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

5-04.3(3)E Rollers

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

5-04.3(4) Preparation of Existing Paved Surfaces

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

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

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

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

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

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

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

recommended by the emulsified asphalt manufacturer. PG grade asphalt or non-tracking tack formulas may be used upon approval of the Engineer.

5-04.3(4)A Crack Sealing

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

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

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

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

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

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

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

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

5-04.3(5)A Vacant

5-04.3(6) Mixing

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

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by

the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

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

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

5-04.3(7) Spreading and Finishing

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

HMA Class 1"	0.35 feet
HMA Class ¾" and HMA Class ½" wearing course	0.30 feet
other courses	0.35 feet
HMA Class ⅜"	0.15 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), except as specified below in (c). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.
- c. These tolerances and specification limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the

control points, except the No. 8 tolerance is +/- 6% from the JMF, the No. 200 tolerance is +/- 2.0% from the JMF with a minimum of 2% and a maximum of 8.0% passing the No. 200 sieve. Other tolerance limits for sieves designated as 100 percent passing will be 99-100

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

5-04.3(9)A Vacant

5-04.3(9)B Vacant

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

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A 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 AASHTO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

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

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

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

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

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

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

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

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

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

Table of Price Adjustment Factors	
Constituent	Factor “f”
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids (V_a) (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, V_a . 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 \$1500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

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

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

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A 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 sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

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

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

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

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

1. When the CPF of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PF for any constituent or the CPF of a lot in progress is less than 0.75.

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

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

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

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

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

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

5-04.3(12)A2 Longitudinal Joints

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

5-04.3(12)B Bridge Paving Joint Seals

Bridge Paving Joint Seals shall be in accordance with Section 5-03.

5-04.3(13) Surface Smoothness

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

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

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

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

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of \$1500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

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

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

5-04.3(14)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 planing and paving.
 - f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.
 - g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.
 - h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
 - i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
 - j. Other items the Engineer deems necessary to address.
2. Paving – additional topics:
 - a. When to start applying tack and coordinating with paving.

- b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.
- c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.
- d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.
- e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

5-04.3(16) HMA Road Approaches

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

5-04.3(17) Temporary Asphalt Pavement
(December 1, 2021 CFW GSP)

Section 5-04.3(17) is a new section:

Temporary asphalt pavement shall be placed by the Contractor immediately upon the request of the Engineer for the maintenance of traffic during construction. These areas include: voids created by the removal of existing improvements (i.e. Traffic islands, curbs), providing paved access to private properties, and ramps for property access during cement concrete driveway approach construction. All temporary paving shall be approved by the Engineer before placement. Any areas of temporary pavement to be removed and replaced shall be approved by the Engineer beforehand. This work shall also include the removal of temporary asphalt concrete pavement in its entirety prior to final paving.

Hot Mix Asphalt Temporary Pavement: Hot mix asphalt will be used for any trench or pavement restoration within the traveled way. Whether temporary or permanent, saw cut and treat edges with CSS-1 asphalt emulsion and apply a minimum 3-inch pavement depth or match existing, whichever is greater. Also, fill voids created by the removal of existing traffic islands and curbing, paving over excavated roadway to temporary access to adjacent properties, and ramps for property access during concrete approach construction.

Cold Mix Asphalt Temporary Pavement: Cold mix asphalt is allowed for temporary paving outside the traveled way. The cold mix shall be approved by the Engineer and placed in a 2-inch minimum thickness. Placement of temporary pavement without prior approval of the Engineer shall be considered as a benefit of the Contractor and no cost to the owner. Any areas of temporary pavement to be removed and replaced require prior approval by the Engineer. This work shall include the removal of the temporary pavement prior to paving of final asphalt concrete pavement.

5-04.4 Measurement

(**)***

Section 5-04 is supplemented with the following:

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

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

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

(*****)

Section 5-04.4 is supplemented with the following:

“Remove and Replace HMA Speed Hump”, per each. The unit contract price per each for Remove and Replace HMA Speed Hump shall be full compensation for all tools, labor, equipment, and materials necessary to remove and reinstall the HMA Speed Hump (not including pavement markings and raised pavement markers), including, but not limited to: grinding, pavement removal, excavation, and asphalt placement.

(*****)

Section 5-04.4 is supplemented with the following:

“Asphalt Bar”, per linear foot. The unit Contract price per linear foot shall be full compensation for all tools, labor, equipment, and materials necessary to provide and install hot mix Asphalt Bar in accordance with the Detail in the Plans. No reduction shall be made for the ramped portion at either end of the curb.

5-04.5 Payment

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

“HMA Cl. ____ PG ____”, per ton.

“HMA for Approach Cl. ____ PG ____”, per ton.

“HMA for Preleveling Cl. ____ PG ____”, per ton.

“HMA for Pavement Repair Cl. ____ PG ____”, per ton.

“Commercial HMA”, per ton.

The unit Contract price per ton for “HMA Cl. ____ PG ____”, “HMA for Approach Cl. ____ PG ____”, “HMA for Preleveling Cl. ____ PG ____”, “HMA for Pavement Repair Cl. ____ PG ____”, and “Commercial HMA” shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

“Pavement Repair Excavation Incl. Haul”, per square yard.

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

“Job Mix Compliance Price Adjustment”, by calculation.

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

“Compaction Price Adjustment”, by calculation.

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

“Roadway Core”, per each.

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

“Cyclic Density Price Adjustment”, by calculation.

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

(*****)

Section 5-04.5 is supplemented with the following:

“Remove and Replace HMA Speed Hump”, per each.

(*****)

Section 5-04 is supplemented with the following:

“Asphalt Bar”, per linear foot.

END OF DIVISION 5

DIVISION 8
MISCELLANEOUS CONSTRUCTION

CITY OF FEDERAL WAY

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

SP-99

CITY CENTER GREENWAY PROJECT

PROJECT #36244

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.3 Construction Requirements

8.01.3(1) General

(April 12, 2018 CFW GSP)

The first paragraph of 8-01.3(1) is deleted and replaced with the following:

The Contractor shall install a high visibility fence along the right-of-way lines shown in the Plans or as instructed by the Engineer.

8-01.3(1)A Submittals

(April 12, 2018 CFW GSP)

Section 8-01.3(1)A is revised to read:

A Stormwater Pollution Prevention Plan (SWPPP) shall be prepared by the Contractor and submitted for approval to the Engineer. The plan shall consist of the Contractor's complete strategy to meet the requirements of the Department of Ecology's NPDES and State Waste Discharge General Permit for Stormwater Discharges Associated With Construction Activity (General Permit). The SWPPP shall include and modify as necessary the Site Preparation and Erosion Control Plan drawings provided as part of the Contract 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 Contractor's SWPPP shall meet the requirements of the general permit. The Contractor's modifications to the SWPPP shall also incorporate the content and requirements for the Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with Section 1-07.15(1).

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.

The Contractor shall complete and modify the SWPPP to meet the Contractor's schedule and method of construction. 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 SWPPP work and incorporate it into the Contractor's progress schedule.

In addition, the SWPPP shall outline the procedures to be used to prevent high pH stormwater or dewatering water from entering surface waters. The plan shall include how the pH of the water will be maintained between pH 6.5 and pH 8.5 prior to being discharged from the project or entering surface waters. Prior to beginning any concrete or grinding work, the Contractor shall submit the plan, for the Engineer's review and approval.

As a minimum, the SWPPP shall include all the SWPPP requirements identified in the General Permit, including:

Narrative discussing and justifying erosion control decisions (12 elements)

Drawings illustrating BMPs types and locations

Engineering calculations for ponds and vaults used for erosion control

A schedule for phased installation and removal of the proposed BMPs, including:

- A. BMPs that will be installed at the beginning of project startup.
- B. BMPs that will be installed at the beginning of each construction season.
- C. BMPs that will be installed at the end of each construction season.
- D. BMPs that will be removed at the end of each construction season.
- E. BMPs that will be removed upon completion of the project.

An Ecology template is available to the Contractor for producing the SWPPP, using project-specific information added by the Contractor. The template and instructions are available at:

<http://www.ecy.wa.gov/programs/wq/stormwater/construction/>

Turbidity and pH Exceedances

Following any exceedances of the turbidity or pH benchmarks, the Contractor shall provide the following at no additional cost to the Contracting agency:

1. The necessary SWPPP revisions and on-site measures/revisions including additional source control, BMP maintenance, and/or additional stormwater treatment BMPs that are necessary to prevent continued exceedance of turbidity and/or pH benchmarks.
2. The regulatory notification to the Dept. of Ecology and to the Engineer of any monitoring results requiring regulatory notification.
3. The additional daily sampling and reporting measures described in the General Permit to verify when project site runoff is in compliance.

8-01.3(1)B Erosion and Sediment Control (ESC) Lead ***(October 3, 2022 WSDOT GSP, OPTION 1)***

Item number 3 and 4 in the second paragraph of Section 8-01.3(1)B are revised to read:

3. Submit to the Engineer no later than the end of the next working day following the inspection a TESC Inspection Report that includes:
 - 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 TESC BMP deficiencies.

- d. Identify for each discharge point location whether there is compliance with state water quality standards in WAC 173-201A for turbidity and pH.

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

8-01.3(2)B Seeding and Fertilizing

(September 3, 2019 WSDOT GSP, OPTION 3)

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

Grass seed shall be a commercially prepared mix, made up of low growing species which will grow without irrigation at the project location, and approved by the Engineer. The application rate shall be two pounds per 1000 square feet. Fertilizer shall be a commercially prepared mix of 10-20-20 and shall be applied at the rate of 10 pounds per 1000 square feet.

8-02 ROADSIDE RESTORATION

8-02.3(17) Protection of Private Property and Property Restoration ***(March 22, 2023 CFW GSP)***

Section 8-02.3(17) is a new section:

Property Restoration shall consist of fine grading and restoration of adjacent landscaped areas; adjustment and/or replacement of private irrigation systems; slope restoration behind sidewalks; timber edgings; installing and replacing private wood and chain link fencing; and other work not currently identified in the plans, 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.

Restore all disturbed areas to original condition or better. Grass areas shall be restored with hydroseed where directed.

Removal of tree roots outside the limits of construction, as directed by the Engineer and under the supervision of a certified arborist, shall be paid for under "Property Restoration".

Topsoil shall be Type A and mulch shall be Bark or Wood Chip Mulch, per these Special Provisions.

All materials shall conform to Sections 9-14 Erosion Control and Roadside Planting and 9-15 Irrigation System of the Standard Specifications.

The force account provided for property restoration also includes any adjustments and/or replacements of existing irrigation systems not covered under Section 8-03 Irrigation Systems of the Special Provisions. 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.

8-02.4 Measurement

(**)***

Section 8-02.4 is supplemented with the following:

"Property Restoration" will be paid by force account and must be approved by the Engineer prior to completing the work.

Fertilizer shall be incidental to other bid items unless specifically listed as a bid item.

8-02.5 Payment

(**)***

Section 8-02.5 is supplemented with the following:

"Property Restoration" per force account.

8-03 IRRIGATION SYSTEMS

8-03.1 Description

(April 12, 2018 CFW GSP)

Section 8-03.1 is supplemented with the following:

The work shall consist of installing a fully functioning and complete landscape irrigation system.

Some private irrigation systems exist within the project limits which may be impacted by the project improvements. The Contractor shall minimize the impacts to these facilities to the maximum extent possible. In the event that irrigation systems are found to encroach within the limits of the project improvements, they shall be modified as necessary per Engineer directed force accounts to ensure satisfactory operation upon completion of the improvements.

The Contractor is responsible to coordinate with affected property owners to ensure their existing sprinkler systems are fully functional before they are disturbed.

8-03.2 Materials

(April 12, 2018 CFW GSP)

Section 8-03.2 is supplemented with the following:

The materials for the irrigation system, where applicable, shall conform with the following manufacturers in order to be compatible with other systems located throughout the City.

Rainbird 1804 sprinkler bodies and MPR spray nozzles

Rainbird PEB Automatic Control Valve

Rainbird ESPLXBASIC Controller and Cabinet

Buckner Quick Coupling Valve

Febco 850 Double Check Valve

Legend Bronze Valve

Superior 3100 Master Control Valve

8-03.3 Construction Requirements

(April 12, 2018 CFW GSP)

Section 8-03.3 is supplemented with the following:

All work shall be in strict conformance with the Lakehaven Water and Sewer District Water System and Sewer Standards, together with the plans, details and manufacturer's written information regarding recommended installation procedures. References to the use of galvanized pipe in the Standard Specifications and Amendments shall be replaced with Schedule 80 PVC or other Engineer accepted pipe material.

Private sprinkler irrigation systems found to encroach within the limits of improvements shall be modified as necessary to remove the encroachment and to ensure satisfactory operation of the remaining system. The Contractor shall ensure that existing private systems remain in operation during the construction of this project. The Contractor shall furnish temporary water to disconnected existing irrigation systems. Private irrigation systems that have been damaged during construction activities shall be repaired within 5 working days. The Contractor shall be liable for any damage due to irrigation facilities damaged by his operations and shall repair such damaged facilities to an "equal or better than" original condition. This work will include, but not be limited to, cutting and capping existing pipe, relocating existing risers and sprinkler heads new pipe heads and

connections, and testing of the system. Payment will be by Force Account for Property Restoration.

8-03.3(7) Flushing and Testing

(April 12, 2018 CFW GSP)

Section 8-03.3(7) is supplemented with the following:

The Contractor shall pretest and prove functional then advise the Engineer at least 48 hours before pressure and coverage tests are to be conducted and shall have the approval of the Engineer before backfilling. Mainlines shall be tested at 140 PSI and PVC lateral lines at 50 PSI. Before the sprinkler system will be accepted, the Contractor, in the presence of the Engineer, shall perform a sprinkler head water coverage test to determine if the water coverage and operation of the system is complete and satisfactory. If any part of the system is inadequate it shall be repaired or replaced at the Contractor's expense and the test repeated until accepted.

All backfilled trenches shall be repaired by the Contractor at his expense, including restoration of plant materials.

8-04 CURBS, GUTTERS, AND SPILLWAYS

8-04.3 Construction Requirements

(*****)

Section 8-04.3 is supplemented with the following:

White-pigmented curing compounds will not be allowed.

The top of the finished concrete shall not deviate more than one-eighth (1/8") in ten feet (10') or the alignment one-fourth (1/4") in ten feet (10').

Where shown in the Plans, the Contractor shall paint the curbs with 2 coats of white paint with glass beads. Paint and application shall conform to the Standard Specifications for traffic paint striping.

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

(December 16, 2022 CFW GSP)

Section 8-04.3(1) is supplemented with the following:

The concrete class requirements in paragraph one are applicable for Type I/II Portland cement. See Section 9.01.2(1)B for requirements for Type 1L cement.

8-04.3(6) Catch Basin Grouting & Repair

(February 14, 2025 CFW GSP)

Section 8-04.3(6) is a new section:

When installation of new curb and/or curb and gutter disturbs existing catch basins, the Contractor shall adjust the catch basin as needed and shall grout the catch basin. No wooden shims may be used for adjustment.

8-04.4 Measurement

(February 14, 2025 CFW GSP)

Section 8-04.4 is supplemented with the following:

Painting of curbs, where required, will not be measured and is considered incidental to the unit price of the type of curb.

Minor adjustments and grouting of catch basins within areas of replaced curbs or curb and gutters is considered incidental to the unit price of the type of curb.

8-09 RAISED PAVEMENT MARKERS

8-09.1 Description

(September 20, 2024 CFW GSP)

Section 8-09.1 is supplemented with the following:

RPMs shall be installed in accordance with City of Federal Way Standard Details. Type 2BB RPMs (blue, bi-directional) shall be installed at all hydrant locations, near the center line of the street, offset to the side of the street containing the hydrant.

8-13 MONUMENT CASES

8-13.2 Materials

(March 13, 1995 WSDOT GSP, OPTION 1)

Section 8-13.2 is supplemented with the following:

The pipe shall be Schedule 40 galvanized pipe.

8-13.3(3)C Permit to Remove or Destroy Survey Monuments

(January 19, 2024 CFW GSP)

Section 8-13.3(3)C is a new Section.

In accordance with RCW 58.24.040(8), no cadastral or geodetic survey monument may be disturbed without a valid permit to remove or destroy a survey monument, issued by the Washington State Department of Natural Resources. Permit applications can be obtained on the DNR Public Land Survey Office website. The permit application must be stamped by a registered Washington State Land Surveyor. The Contractor shall obtain the permit to Remove or Destroy a survey monument as necessary. All costs to obtain and comply with the permit shall be considered incidental to other bid items and no additional payment will be made.

8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL

8-20.1 Description

(*****)

Section 8-20.1 first paragraph shall be revised to read:

1. Construct new "Traffic Signal System Modifications - 20th Avenue S and S 312th Street". This work consists of all the following:

- a. The Contractor shall furnish, construct, and install:
 - Video detection cameras with mounting brackets and hardware;
 - Video detection control unit and associated modules;
 - Vehicle detection camera cable;
 - Labeling of video detection camera cable;
 - Cable ties;
 - Luminaires;
 - Vehicle signal heads with mounting hardware/framework and back plates;
 - Signal head optical units;
 - Pull tape;
 - Caps for unused tenons on signal mast arms;
 - A complete battery backup system;
 - Field wiring of the signal controller cabinet and battery backup cabinet;
 - Signal system-mounted signs with sign mounting hardware; and
 - MMA coating on existing junction boxes.
- b. The Contractor shall provide labor, equipment, and materials to:
 - Relocate existing signal head;
 - Relocate existing monitoring equipment;
 - Properly cover out of service vehicle signal heads during construction; and
 - Repair of holes in the signal poles from previously relocated pedestrian push buttons.
- c. The Contractor shall be responsible for aiming and adjusting the video detection cameras, to the satisfaction of King County Signal Technicians and the Contracting Agency;
- d. The Contractor shall remove, salvage, and abandon items used as part of the Traffic Signal System Modifications – 20th Avenue S and S 312th Street, as indicated in the Plans and the new Section "Removal of Existing Signal System Equipment";
- e. The Contractor shall provide any other materials, equipment, and labor necessary to have properly functioning "Traffic Signal System Modifications – 20th Avenue South and South 312th Street", as indicated in the Contract Documents.

8-20.1(1) Regulations and Code **(September 20, 2024 CFW GSP)**

Section 8-20.1(1) is supplemented with the following:

Where applicable, materials shall conform to the latest requirements of Puget Sound Energy (PSE), Tacoma Power, and the Washington State Department of Labor and Industries.

8-20.1(2) Industry Codes and Standards

(March 13, 2012 CFW GSP)

The following is added at the end of the first paragraph of this section:

National Electrical Safety Code (NESC) Committee, IEEE Post Office Box 1331445 Hoes Lane, Piscataway, NJ 08855-1331.

8-20.1(3) Permitting and Inspections

(April 12, 2018 CFW GSP)

Section 8-20.1(3) is supplemented with the following:

The Contractor shall be responsible for obtaining all required electrical permits, including all required City of Federal Way electrical permits. All costs to obtain and comply with electrical permits shall be included in the applicable bid items for the work involved.

8-20.2 Materials

8-20.2(1) Equipment List And Drawings

8-20.3 Construction Requirements

8-20.3(1) General

(**)***

Section 8-20.3(1) is supplemented as follows:

Removal of Existing Signal System Equipment

All removals associated with an electrical system, which are not designated to remain the property of the City of Federal Way, shall become the property of the Contractor and shall be removed from the project and be disposed of off-site at a legal disposal site.

For this project, all vehicle signal heads, back plates, video detection equipment, signal cabinet loop equipment, luminaires, and overhead-mounted signs shall remain the property of the City of Federal Way. The Contractor shall deliver the electrical items to King County and the street name signs to the City of Federal Way Construction Inspector.

Removals associated with the electrical system shall not be stockpiled within the jobsite without the Engineer's approval.

The Contractor shall:

Remove all wires for discontinued circuits from the conduit system.

Delivery of Removed Items

The Engineer shall decide the ownership of all salvaged signal materials. All salvaged signal materials not designated by the Engineer to remain property of the City of Federal Way shall become the property of the Contractor.

Removed signal and electrical equipment which remains the property of the City of Federal Way, shall be delivered to:

King County Signal Shop
Attn: Mark Parrett
155 Monroe Avenue NE
Renton, Washington 98056
Phone: 206-396-3763

Removed street name signs shall be delivered to the City of Federal Way Construction Inspector.

Forty-eight working hours advance notice shall be communicated to both the Engineer and the King County Signal Technician at the address listed above. Delivery shall occur between the hours of 8:00 am to 2:00 pm, Monday through Friday. Material will not be accepted without the required advance notice.

The Contractor shall be responsible for unloading the equipment where designated by the Engineer or King County Signal Technician at the delivery site.

Equipment damaged during removal or delivery shall be repaired or replaced at the Engineer's discretion, at no cost to the City of Federal Way.

All costs involved in furnishing all labor, materials, tools, and equipment necessary for the complete protection, removal, and delivery of the existing Traffic Signal System items listed above shall be included in the Contractor's lump sum bid price for the "Traffic Signal System Modifications – 20th Avenue S and S 312th Street".

8-20.3(4) Foundations

(*****)

Section 8-20.3(4) is supplemented with the following:

Cabinet Foundations

The foundation pedestal for the stand-alone battery backup cabinets shall be constructed in accordance with Standard Detail FW.J12.31. All cabinet foundations shall be cast in one operation. The exposed concrete surfaces shall be formed to present a neat appearance. The pedestal top shall have a smooth, trowel finish with a 0.50-inch round fillet along the outside top edge. The Contractor shall apply silver colored enamel paint to the entire top surface of the foundation prior to cabinet installation, or as an alternative, apply an approved concrete sealer (silver) substituted for paint. The Contractor shall wait a minimum of three full calendar days between pouring the cabinet foundation and mounting the cabinet. Where the cabinet is mounted onto the foundation, an approved clear silicone shall be applied to all metal cabinet surfaces which come into contact with the concrete foundation to provide a complete seal. A complete seal shall be defined as having excess silicone squeeze out on the inside of the cabinet, when it is mounted. If there is no evidence of this, the cabinet will be required to be removed and remounted, with an adequate amount of silicone sealant applied. There shall also be a dressed bead seal placed continuous along all four sides and corners on the outside portion of the cabinet at the point of contact between the metal and concrete foundation. The concrete pad at the base of the foundation on the "house side" shall be sloped uniformly away from the foundation to eliminate puddling. It shall be the Contractor's responsibility to confirm all dimensions and location for the battery backup cabinets prior to forming foundation pedestal.

8-20.3(5) Conduit

8-20.3(5)A General

(September 20, 2024 CFW GSP)

Section 8-20.3(5) is supplemented with the following:

Banding of risers to steel or aluminum poles will not be allowed.

A copper ground wire shall be installed with all conduit.

A pull tape shall be installed in all conduit and shall remain upon completion of the project.

When conduit risers are installed, they shall be attached to the pole every 4 feet and shall be equipped with weather heads.

Conduit for the service wires between the Puget Sound Energy or Tacoma Power pole and the service panel and all above ground conduit shall be hot-dip galvanized rigid steel.

All conduits shall be clearly labeled at each junction box, handhole, vault or other utility appurtenance. Labeling shall be permanent and shall consist of the owner/type name and a unique conduit number or color. The owner name shall be approved by the Engineer prior to starting work. The recommended owner/type abbreviations are:

PSE – Puget Sound Energy
LUMEN - Lumen
COMCAST(AT&T)/C – Cable
COMCAST(AT&T)/F – Fiber
SIC – City Signal Interconnect
City Spare – City spares
Cobra – COBRA luminaire system

Traffic signal interconnect shall be placed, wherever feasible, in the joint utility trench being constructed under this contract (if applicable). This work shall be coordinated with the other utilities to ensure a 2-inch minimum conduit is provided solely for the traffic signal interconnect. Conduit size shall be verified with City Traffic Engineer prior to installation.

8-20.3(5)A2 ITS and Cabinet Outer and Innerduct Conduit

(*****)

Section 8-20.3(5) is deleted and replaced with the following:

At all cabinets, both ends of all conduit runs that contain conductor, except the ground electrode conductor conduit, shall be sealed with duct seal. This includes service cabinets, signal controller cabinets, ITS cabinets, battery backup system cabinets, and any other cabinets noted in the Plans to have duct seal installed. Duct seal shall be in accordance with Section 9-29.1(11).

For all empty/spare conduits in the above locations, the conduits shall be sealed with a conduit plug suitable for installation with the conduit end bell and of the appropriate size to provide a weathertight seal on the conduit.

8-20.3(5)B Conduit Type

(*****)

Section 8-20.3(5)B is supplemented with the following:

Rigid Polyvinyl Chloride (PVC) (Schedule 40 or 80) shall be installed for this project.

8-20.3(5)E Method of Conduit Installation

(*****)

Section 8-20.3(5)E is supplemented with the following:

Conduit installed between the battery backup foundation and the existing junction box shall be installed without damaging existing infrastructure. Moling or hand-digging is preferred. All excavation shall be backfilled with crushed surfacing top course, compacted to prevent settling.

8-20.3(8) Wiring

(*****)

Section 8-20.3(8) is supplemented with the following:

Field Wiring Chart (IMSA Standards)

501	+Input	506	AC+Control	511	Remote-All Red
502	AC-	507	AC+Crosswalk	512-520	Special
503	AC+Lights	508	AC+Detectors	551-562	Interconnect
504	AC+Lights	509	AC+12 Volts	593-598	Rail Road Preemption
505	AC+Lights	510	Remote-Flash		

		Phases	1	2	3	4	5	6	7	8	A	B
Emergency	Orange (B+)			581		584		587		590		
Vehicle	Yellow (Call)			582		585		588		591		
Preemption	Blue (BB)			583		586		589		592		
	Red		611	621	631	641	651	661	671	681	691	601
	Orange		612	622	632	642	652	662	672	682	692	602
Vehicle	Green		613	623	633	643	653	663	673	683	693	603
Heads	Black		614	624	634	644	654	664	674	684	694	604
	White (Common)		616	626	636	646	656	666	676	686	696	606
	Red (Hand)		711	721	731	741	751	761	771	781	791	701
	Green (Man)		712	722	732	742	752	762	772	782	792	702
Pedestrian	White (Common for Lights)		716	726	736	746	756	766	776	786	796	706
Heads and PPB	Orange (Push button)		714	724	734	744	754	764	774	784	794	704
	Black (Common for Push button)		715	725	735	745	755	764	775	785	795	705
	Loop 1		811	821	831	841	851	861	871	881	891	801
	Loop 1		812	822	832	842	852	862	872	882	892	802
	Loop 2		813	823	833	843	853	863	873	883	893	803
Vehicle	Loop 2		814	824	834	844	854	864	874	884	894	804
Detectors	Loop 3		815	825	835	845	855	865	875	885	895	805
	Loop 3		816	826	836	846	856	866	876	886	896	806
	Loop 4		817	827	837	847	857	867	877	887	897	807
	Loop 4		818	828	838	848	858	868	878	888	898	808
	Loop 1		911	921	931	941	951	961	971	981	991	901
	Loop 1		912	922	932	942	952	962	972	982	992	902
Vehicle	Loop 2		913	923	933	943	953	963	973	983	993	903
Detectors/ Count	Loop 2		914	924	934	944	954	964	974	984	994	904
Loops	Loop 3		915	925	935	945	955	965	975	985	995	905
	Loop 3		916	926	936	946	956	966	976	986	996	906
	Loop 4		917	927	937	947	957	967	977	987	997	907
	Loop 4		918	928	938	948	958	968	978	988	998	908

Cable entering cabinets shall be neatly bundled and wrapped. Each wire shall bear the circuit number and be thoroughly tested before being connected to the appropriate terminal.

All battery backup conductors and traffic signal conductors, including video detection cables shall be installed with one complete wrap of slack within each ground level junction box, arranged in a loop around the base of the junction box. In addition, one complete wrap of slack shall be provided at the respective cabinets.

Tie wraps shall be used where deemed necessary by the King County Signal Technician. There shall be no unnecessary shortening of any wire. If there is any excess slack, the Contractor shall pull the slack back into the adjacent junction box, or as designated by the Engineer.

Outer insulation of conductor shall not extend into the signal heads.

On all standards where lighting is to be provided, head connecting ends shall be fitted with a 1.5-inch reducing washer and a 0.75-inch box connector at the fixture mounting site. Wire nuts and split bolt connections are not acceptable for use on City of Federal Way projects.

8-20.3(8)A Splices

(*****)

Section 8-20.3(8)A is supplemented with the following:

No splicing of battery backup cable, traffic signal cable, or video detection cable will be allowed.

8-20.3(8)C Wire and Cable Pulling
(September 20, 2024 CFW GSP)

Section 8-20.3(8)C is supplemented as follows:

All wiring, cable, and cords associated with this equipment shall be neatly dressed and secured to the rack frames or cable trays by nylon ties.

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 new junction boxes and any modified existing junction boxes. For the purposes of this section, a junction box shall be considered "modified" if new current-carrying conductors are installed, including low-voltage conductors.

At points where shields of shielded conductors are grounded, the shields shall be neatly wired and terminated on suitable grounding lugs.

Junction box lids and frames shall be grounded in accordance with Department of Labor and Industries standards, and shall be grounded so that the ground will not break when the lid is removed and laid on the ground next to the junction box.

All conduits shall have continuous grounding wires between junction boxes. The equipment ground conductor for battery backup cabinets shall be run continuous from the electrical service cabinet neutral bus to the battery backup cabinet ground bus and shall not be cut or spliced. See Pierce County Standard Detail FW.J60.05.

8-20.3(11)A Traffic Signal System Testing

(*****)

Section 8-20.3(11)A is supplemented with the following:

The Contractor shall provide the Engineer a minimum of seven full business days advance written notice of any video detection programming needs for review and scheduling..

Alignment of vehicle signal heads shall be approved by the Engineer.

8-20.3(11)B Traffic Signal System Turn-On

(*****)

Section 8-20.3(11)B is supplemented with the following:

It shall be the responsibility of the Contractor to ensure that existing traffic signal and control systems remain fully functional during all phases of the project, except as specified for signal changeovers

The Contractor shall coordinate with King County Signal Technicians a minimum of three full business days in advance of any signal changeovers. The King County Signal Technicians will support the resetting of video detection zones and coordinating camera changes and aiming.

All work necessary in keeping the existing traffic signal system fully-functional, as indicated in the Plans, and any installation or relocation of existing equipment or hardware necessary for maintaining such operation and protection of the traffic signal system, shall be considered incidental to the respective pay item. This includes the vehicle detection system; however, with approval of the Engineer, the existing traffic signal control may be placed on a fixed time program to facilitate signal changeover work for a period not to exceed fourteen calendar days.

8-20.3(11)C4 Operational Testing

(*****)

Section 8-20.3(11)C4 is a new Section as follows:

Prior to final acceptance, the following fully-operating systems shall be tested for the minimum time frames established by this Section and are as follows:

Traffic Signal System Modifications – 20th Avenue S and S 312th Street, 14 days.

The operational testing periods are not intended to be charged working days, unless other Contract work is being performed.

During the operational testing, any parts that fail and were provided by the Contractor or were provided by the City of Federal Way and damaged by the Contractor shall be immediately replaced. The Contractor shall replace the failed part with a new operable part of the same type and model as required by the Contract Documents. Passing the operational test does not reduce any manufacturer guarantees, if applicable, that are to be conveyed to the City of Federal Way after passing of the operational testing.

8-20.3(13) Illumination Systems

(*****)

Section 8-20.3(13) is supplemented with the following:

The existing traffic signal system lighting shall remain operational until the new light fixtures are functioning. The Engineer may approve partial interruptions required because of staging.

8-20.3(13)A Light Standards

(*****)

Section 8-20.3(13)A is supplemented with the following:

Each roadway luminaire shall be installed with an illumination control node, in accordance with Section 9-29.11(2). A node is required for each luminaire fixture. For this project, the existing nodes shall be re-used with the new luminaire fixtures.

8-20.3(14) Signal Systems

8-20.3(14)B Signal Heads

(*****)

Section 8-20.3(14)B is supplemented with the following:

Signal displays and reflectorized backplates when installed prior to signal turn-on or changeover shall be covered and not visible to vehicular traffic at any time. The signal head covering material shall be of sufficient size to entirely cover the display and back plate. The covering shall extend over all edges of the signal housing and shall be securely fastened at the back.

Signal heads shall be installed with back plates. Retroreflective sheeting, in accordance with Section 9-29.16, shall be applied to the outside border of the back plates in accordance with the manufacturer's recommendations. The application surface of the back plate shall be cleaned and degreased.

Alignment of vehicular and pedestrian signal heads shall be approved by the Engineer.

The type of mounting hardware specified for mast arm mounted vehicle signals may require modification at the time of installation to accommodate as-built conditions. The Contractor shall measure the distance between each mounting point on the arm and the roadway. A type of mounting bracket different from that specified in the Plans shall be provided and installed by the Contractor 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 between 17.5 feet and 19.0 feet above the pavement.

Signal heads mounted on signal standard uprights shall be mounted between 12 feet and 16 feet above the sidewalk. If there is a conflict with this, not listed in the Plans, coordinate with the Engineer.

8-20.3(14)C Induction Loop Vehicle Detectors

(*****)

Existing Traffic Loops

The Contractor shall install and maintain the new video detection system prior to the existing loops on the north leg of the intersection being decommissioned.

Return the loop equipment from the signal cabinet to the King County Signal Shop.

8-20.3(17) “As Built” Plans

(*****)

Section 8-20.3(17) is deleted and replaced with the following:

Upon completion of the project, the Contractor shall furnish an “as-built” drawing of the intersection showing all signal heads, pole locations, detectors, junction boxes, illumination system showing luminaire locations, miscellaneous equipment, conductors, cable wires up to the signal controller cabinet, and with a special symbol identifying those items that have been changed from the original contract drawings.

8-20.5 Payment

(*****)

Paragraph 2, 3, 4, and 5 of Section 8-20.5 are deleted and replaced with the following:

“Traffic Signal System Modifications – 20th Avenue S and S 312th Street”, per lump sum.

The lump sum price for "Traffic Signal System Modifications - 20th Avenue S and S 312th Street" shall be full pay for furnishing all labor, equipment, materials and supplies necessary to complete the work as specified. All items and labor necessary to supply, install, and test the system including, but not limited to, excavation, potholing, removal of equipment and excavated materials, conduit, battery backup system, battery backup system foundation, vehicle signal heads with back plates and mounting framework, permanent vehicle detection systems, field wiring of cabinets and components, mast arm-mounted traffic signs, repairing holes in existing signal poles, restoring facilities destroyed or damaged during construction, removing and salvaging existing signal equipment, relocating illumination nodes, relocating existing monitoring equipment, caps for unused tenons, installation of non-slip MMA coating on existing junction box lids as noted, and all other components necessary to make complete traffic signal system modifications shall be included within the lump sum measurement. All costs for installing signing on signal mast arms shall be incidental to the bid items in this section and no additional compensation will be made. Luminaires positioned on signal poles will be considered a part of the traffic signal system lump sum measurement. Removal of existing signal system components shall be included within the lump sum measurement. After construction is complete, it is Contractor’s responsibility to adjust, relocate, and reposition all traffic signal heads and video detection cameras to their final position as shown on the Contract Documents, and shall be considered incidental to the lump sum measurement.

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.

8-21 PERMANENT SIGNING

8-21.1 Description

(*****)

Section 8-21.1 is deleted and replaced with the following:

This work shall consist of furnishing and installing permanent signing, sign removal, maintaining existing signs, and sign relocation at the locations shown in the Plans or where designated by the Engineer. Signs to be removed as shown in the Plans, shall be returned to the King County Sign Shop in Renton. Signal system signs removed shall be returned to the City of Federal Way Construction Inspector.

Utility locates for sign locations must be completed prior to the installation or relocation of any signs.

8-21.2 Materials

(September 20, 2024 CFW GSP)

Section 8-21.2 is supplemented with the following:

Contractor-provided signal system-mounted overhead signs shall be single-sided and as detailed in the Plans, City of Federal Way Standard Details, and as approved by the City of Federal Way. Shop drawing submittals shall be required for all overhead signal system-mount signing in accordance with Section 8-20.2(1), prior to fabrication.

All signal system-mounted signs shall require installation as part of the signal work. Attach signal system-mounted signs in accordance with Standard Plans, unless otherwise noted.

Colors of all permanent signs shall be submitted to the City for approval prior to installation in the field. All new signs that do not have color approved by the City may be required to be removed and replaced in an acceptable color at the Contractor's expense.

8-21.3 Construction Requirements

8-21.3(1) Location of Signs

(September 20, 2024 CFW GSP)

Section 8-21.3(1) is supplemented with the following:

Post lengths shall be determined by the Contractor. Signs shall be installed in accordance with the MUTCD and City of Federal Way Standard Details. Posts shall not extend beyond the top of the installed sign, unless specifically called for in the Plans.

Sign installation and maintenance shall include maintaining proper visibility of all signs, including those part of an RRFB or signal, at all times. If vegetation trimming is required, it shall be completed by the Contractor and considered incidental to the bid item.

8-21.3(2) Placement of Signs

(September 20, 2024 CFW GSP)

Section 8-21.3(2) is supplemented with the following:

The Contractor shall be required to furnish the signs, sign posts, and mounting hardware. Unless otherwise noted in the Plans, the Contractor shall install all signs on metal posts.

Catalog cuts indicating fabrication material, layout, sign size, mounting type, mounting hardware, and specifications for the overhead sign type shall be submitted for approval prior to sign fabrication.

8-21.3(4) Sign Removal
(September 20, 2024 CFW GSP)

Section 8-21.3(4) is supplemented with the following:

This work shall consist of removing existing signs and guide posts within the construction project limits and delivering the signs and guide posts in a timely manner and in good condition to the King County Sign Shop.

The Contractor shall remove and dispose of sign posts, sign anchors, and associated concrete.

The existing signs and guide posts to be removed during this project are listed in the Plans.

No existing sign shall be removed until designated by the Engineer; all signs identified for removal are to be maintained in good condition until removed.

8-21.3(5) Sign Relocation
(September 20, 2024 CFW GSP)

Section 8-21.3(5) is supplemented with the following:

The sign relocation work shall consist of relocating an existing sign to the new designated location. New posts are to be furnished by the Contractor unless reuse of existing post is approved by the Engineer. The Contractor shall remove and dispose of sign posts, sign anchors, and associated concrete.

No existing sign shall be relocated until designated by the Engineer. All signs identified for relocation are to be maintained in good condition.

The Contractor shall coordinate with King County Metro or Pierce Transit personnel as necessary for removal and reinstallation of all existing bus stop signs and supports within the project limits.

New Sign Installation
(***)**

The following new Section is inserted after Section 8-21.3(5):

This work shall consist of furnishing and installing new signs at the corresponding approximate station and offset shown in the Plans, or as designated by the Engineer. The Contractor shall be required to furnish the signs, sign posts, and mounting hardware. Unless otherwise noted in the Plans, the Contractor shall install all signs on steel posts.

Catalog cuts indicating fabrication material, layout, sign size, mounting type, mounting hardware, and specifications for the overhead sign type shall be submitted for approval prior to sign fabrication.

The new signs to be supplied, delivered, and installed under this Contract are listed in the Plans.

New Signal System Signs
(***)**

The following new Section is inserted after the "New Sign Installation" Section:

This work shall consists of providing new signs for the Traffic Signal System. The Contractor shall be required to furnish the mounting hardware. Installation of these signs shall be included as part of the Traffic Signal System, as indicated in the Plans.

The new signal system signs to be installed under this Contract are shown in the Traffic Signal System Plans.

Sign Maintenance

(*****)

The following new Section is inserted after Section 8-21.3(8):

Maintenance of all existing signs within the project limits, as well as all signs installed or relocated by the Contractor, shall be the responsibility of the Contractor during construction of the project. All signs shall be maintained to MUTCD sign standards by the Contractor and shall be kept clean in accordance with Section 8-21.3(8). All signs shall be visible to the traffic, unless they conflict directly with construction traffic control operations. Any sign in conflict with construction traffic control shall be covered for the duration needed, in accordance with Section 8-21.3(3).

When any maintained sign is damaged, knocked down, or found to be missing, the sign shall be reinstalled to applicable standards by the Contractor, who will provide the sign (if missing or damaged), steel sign post, and all mounting hardware. All Stop and Yield signs damaged, missing, or knocked down during construction hours shall be replaced immediately. A Stop or Yield sign damaged, missing, or knocked down outside of construction hours shall be responded to and reinstalled by the Contractor within two hours of notification by the Engineer.

Any sign damaged or knocked down by the Contractor's operations shall be repaired at the Contractor's expense, regardless of whether or not it is listed in the Contract Documents, in accordance with Section 1-07.23(1).

The Contractor shall remove and dispose of sign posts, sign anchors, and associated concrete.

The existing signs to be maintained under this Contract are listed in the Plans.

8-21.3(12) Steel Sign Posts

(September 20, 2024 CFW GSP)

Section 8-21.3(12) is supplemented with the following:

All City of Federal Way signs mounted on roadside structures shall use steel posts, in accordance with City of Federal Way Standard Details.

8-21.5 Payment

(*****)

Section 8-21.5 is deleted and replaced with the following:

"Permanent Signing", lump sum.

The lump sum price for "Permanent Signing" shall include all labor, materials, tools, and equipment necessary to furnish and install permanent signing, sign posts, sign removal, maintaining existing signs, and sign relocation. Sign covering shall be incidental and shall not be measured.

All costs for installing signs on traffic signal mast arms shall be included in the lump sum price for "Traffic Signal System Modifications – 20th Avenue S and S 312th Street".

CITY OF FEDERAL WAY

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Official bid documents, plan holder's list, and
addenda (if applicable) are available on BXWA.com

SP-121

CITY CENTER GREENWAY PROJECT

PROJECT #36244

8-22 PAVEMENT MARKING

8-22.1 Description

(September 20, 2024 CFW GSP)

Section 8-22.1 is supplemented with the following:

Pavement markings shall conform to City of Federal Way Standard Details. Longitudinal striping patterns shall be as shown on Standard Plan M-20.20.

The Contractor shall perform all spotting and layout for all permanent pavement markings.

8-22.2 Materials

(September 20, 2024 CFW GSP)

Section 8-22.2 Paragraph #3 is deleted and replaced with the following:

Glass beads for Type A plastic shall be as recommended by the manufacturer.

Section 8-22.2 is supplemented with the following:

Glass beads and Reflective Elements for Type D plastic shall be in accordance with Section 9-34.4. Both glass beads and reflective elements are required to be installed with Type D pavement markings.

8-22.3 Construction Requirements

(March 22, 2023 CFW GSP)

Section 8-22.3 is supplemented with the following:

Permanent pavement markings shall be installed within 30 calendar days after paving. If a project contains paving on multiple streets (i.e., schedules of work), this requirement applies to the paving date for each street / schedule individually.

8-22.3(2) Preparation of Roadway Surfaces

(**)***

Section 8-22.3(2), Paragraph 3, is supplemented with the following:

Slurry seal requires a cure period of 21 days, prior to installing permanent pavement markings.

8-22.3(3) Marking Application

8-22.3(3)E Installation

(**)***

Section 8-22.3(3)E is supplemented with the following:

Profiled Type D lines shall be installed in accordance with Standard Plan M-20.20.

All parallel double lines shall be placed in one pass.

All longitudinal pavement markings shall be applied, in cycle, in the direction of traffic, unless specifically approved by the City of Federal Way.

For paint, the use of a pushcart or motorized cart is prohibited. A striping truck is required, unless otherwise approved by the Engineer for specific locations.

If Type B plastic markings are allowed, the material shall not overlap and there shall not be gaps between individual segments of the material.

For Type D, liquid cold applied methyl methacrylate, longitudinal line markings, Type D-3 or Type D-4 shall be used. Type D-3 or Type D-4 application method shall be defined as machine extrusion. Application by walk-behind carts is not allowed. Application of double center line by means that requires a separate pass for each line is not allowed.

8-22.3(3)G Glass Beads
(March 13, 2012, CFW GSP)

Section 8-22.3(3)G is supplemented with the following:

Glass beads shall be applied to Type D markings at a rate of 8 to 10 pounds per one hundred square feet.

Reflective elements shall be applied to Type D markings at a rate of 10 grams per 4-inch wide by 1 linear foot of marking.

8-22.3(6) Removal of Pavement Markings
(September 20, 2024 CFW GSP)

Section 8-22.3(6) is supplemented with the following:

As indicated in the Plans, the Contractor shall remove existing pavement markings that may consist of paint, plastic, and raised pavement markings.

All existing, plastic pavement markings that are to be paved over, shall be removed prior to paving.

If, in the opinion of the Engineer, the pavement is materially damaged by pavement marking removal or raised pavement marker removal, such damage shall be repaired by the Contractor in accordance with Section 1-07.13(1).

If pavement markings are removed as a part of pavement grinding or removal, that removal will be considered incidental to that bid item and no additional payment will be made under the pavement marking removal bid item.

8-22.4 Measurement
(**)***

Paragraphs 12 and 13 of Section 8-22.4 are replaced with the following:

Measurement for the removal of pavement markings is incidental to the "Surface Preparation" item in Section 5-20.3(5)A. No additional compensation will be made for pavement marking removal.

(**)***

Section 8-22.4 is supplemented with the following:

"Painted Shared Lane Symbol" will be measured per each for each marking installed in accordance with the Details in the Plans. All types of Shared Lane Symbols (thru, MOD L/R, and MOD L/T/R) shall be paid under this item.

(March 22, 2023 CFW GSP)

Section 8-22.4 is supplemented with the following:

Raised Pavement Markers are incidental to Pavement Markings. No separate measurement or payment will be made.

8-22.5 Payment

(*****)

Section 8-22.5 is modified as follows:

The following bid items are deleted:

- “Removing Paint Line”, per linear foot.
- “Removing Plastic Line”, per linear foot.
- “Removing Painted Crosswalk Line”, per square foot.
- “Removing Plastic Crosswalk Line”, per square foot.
- “Removing Painted Traffic Marking”, per each.
- “Removing Plastic Traffic Marking”, per each.

The following are new bid items:

- “Painted Shared Lane Symbol”, per each.

8-23 TEMPORARY PAVEMENT MARKINGS

8-23.1 Description

(*****)

Section 8-23.1 is supplemented with the following:

Temporary pavement markings shall be installed and maintained by the Contractor prior to traffic being released onto public streets when the installation of permanent pavement markings is not yet completed. All pavement markings including lines, symbols, and raised pavement markers shown on the plans and details shall be provided as temporary pavement markings until such time that permanent pavement markings are installed. Temporary pavement markings shall generally follow the alignment for the permanent pavement markings.

8-23.2 Materials

(March 22, 2023 CFW GSP)

Section 8-23.2 is supplemented with the following:

The City of Federal Way does not allow Low VOC Waterborne Paint for temporary or permanent pavement markings.

8-23.3 Construction Requirements

8-23.3(1) General

(*****)

Section 8-23.3(1) is deleted and replaced with the following:

All temporary pavement markings that are expected to remain in place for two months or more shall be paint, with raised pavement markers. This includes any work zone markings.

All temporary pavement markings that are installed prior to a winter suspension shall be paint with raised pavement markers. This includes any work zone markings.

Temporary pavement markings that are installed on the wearing course of new asphalt or concrete shall be tape.

Tape may be used for other short-term applications, as approved by the Engineer.

8-23.3(4) Pavement Marking Application

8-23.3(4)A Temporary Pavement Markings – Short Duration

(*****)

Paragraph 2 of Section 8-23.3(4)A is modified as follows:

For temporary tape pavement markings, see the Detail in the Plans.

Temporary Center Line (Double Yellow Center Line) – Two SOLID lines used to delineate adjacent lanes of traffic moving in opposite directions. Temporary raised pavement markings should be installed on both sides of the yellow lines at 40-foot intervals.

Temporary Miscellaneous Pavement Markings – Temporary Miscellaneous Pavement Markings shall also include Temporary Speed Hump Symbols, in accordance with the Detail in the Plans.

8-23.3(4)A2 Temporary Pavement Marking Tape
(September 20, 2024 CFW GSP)

Section 8-23.3(4)A2 is supplemented with the following:

Black mask pavement marking tape shall not be used, unless specifically requested by the Engineer.

8-23.3(4)E Removal of Pavement Markings

(**)***

Section 8-23.3(4)E is supplemented with the following:

Pavement markings and raised pavement markers shall be removed prior to slurry seal installation. This work shall be performed by the Contractor. Paint shared lane symbols will not require removal.

8-23.4 Measurement

(**)***

Section 8-23.4 is supplemented with the following:

Temporary Raised Pavement Markers are incidental to Temporary Pavement Markings. No separate measurement or payment will be made.

Temporary Misc. Pavement Markings shall include Temporary Speed Hump Symbols. One unit of Temporary Speed Hump Symbol shall consist of a speed hump marking for each lane of the street.

Traffic control (Flaggers, Traffic Control Supervisor, Other Traffic Control, etc.) for the initial installation of Temporary Pavement Markings shall be measured and paid in accordance with the respective Traffic Control Bid Items. Traffic control associated with the subsequent maintenance and/or removal of Temporary Pavement Markings shall be incidental to the temporary pavement marking bid items and no additional payment will be made.

8-33 POTHOLING AND RESOLUTION OF UTILITY CONFLICTS

(September 20, 2024 CFW GSP)

Section 8-33 and its subsections are new sections as follows:

8-33.1 Description

(April 17, 2026 CFW GSP)

Section 8-33.1 is a new section:

This work involves the identification and resolution of utility conflicts not identified in the plans between proposed improvements and existing utilities. The City will pay these costs by force account if the work proves to be acceptable and the Contractor performed the work with the authority of and due notice to the Engineer.

8-33.3 Construction Requirements

8-33.3(2) Resolution of Utility Conflicts

(April 17, 2026 CFW GSP)

Section 8-33.3(2) is a new section:

In the event that a conflict arises between the proposed improvements and an existing utility, the Resolution of Utility Conflicts item will compensate the Contractor for standby time and additional work in the following manner:

1. Standby time resulting from existing utility conflicts. Standby time is defined as time the Contractor is unable to proceed with progression of a specific work item (i.e. storm drainage, underground utility installation etc.) due to unforeseen conflicts with existing facilities. However, payment for standby time shall be limited to:
 - a. For each agreed upon conflict, a maximum of four (4) hours of standby time will be paid for actual delay of labor and equipment due to a utility conflict. The Contractor shall be responsible to adjust his work schedule and/or reassign his work forces and equipment to other areas of work to minimize standby time.
 - b. If the conflict is resolved within one (1) hour of notification to the Engineer, no standby time will be paid.
2. Additional work required to resolve utility conflicts will be paid for at the bid unit prices for the associated work. Work that cannot be measured and paid for at the unit contract prices shall be identified as force account work.

8-33.4 Measurement

*(*****)*

Section 8-33.4 is a new section:

"Resolution of Utility Conflicts" will be measured for force account per Section 1-09.6.

8-33.5 Payment

*(*****)*

Section 8-33.5 is a new section:

"Resolution of Utility Conflicts", will be paid by force account.

To provide a common proposal for all bidders, the City has estimated the amount for "Resolution of Utility Conflicts" and entered the amounts in the proposal to become a part of the total bid by the Contractor.

Utility conflicts due to the Contractor's actions or operations shall be resolved by the Contractor at no expense to the Contracting Agency.

END OF DIVISION 8

CITY OF FEDERAL WAY

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SP-128

CITY CENTER GREENWAY PROJECT

PROJECT #36244

DIVISION 9
MATERIALS

CITY OF FEDERAL WAY

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SP-129

CITY CENTER GREENWAY PROJECT

PROJECT #36244

9-01 CONCRETE

9-01.2 Specifications

9-01.2(1)B Blended Hydraulic Cement

(*****)

Section 9-01.2(1)B is modified with the following:

Type 1L cement is only allowed for use within the City of Federal Way subject to the conditions listed below:

	Class 3000 Type 1L	Class 4000 Type 1L	Class 4000 Type 1L with crystalline waterproofing and corrosion protection admixture ¹	Class 5000 Type 1L
Cast-in-Place Foundations <i>(light standards, signals, RRFBs, etc.)</i>		X	X	X
Pre-cast or cast-in-place catch basins and manholes		X	X	X
Roads, curbs, curb & gutters, roundabouts & aprons, sidewalks, ADA ramps, driveway approaches			X	X
Other exposed surfaces <i>(retaining walls, junction box aprons, cabinet bases, barriers, etc.)</i>			X	X

¹ Crystalline Waterproofing admixtures (Penetron or approved equal) shall meet the following specification: ASTM C494, Type S, hydrophilic, crystalline permeability-reducing admixture for hydrostatic conditions (PRAH) shall form insoluble crystals throughout the concrete matrix, self-healing and sealing all pores, capillaries and cracks up to 0.5mm (1/51 inch). The crystalline waterproofing admixture shall include a colored tracer material so that it is visible when included in the concrete mix.

For all Type 1L concrete mixes, the City will not accept any maleated rosin (i.e. MasterAir AE90) as a supplied air entrainment and waterproofing admixture or any wax-based curing compounds.

9-02 BITUMINOUS MATERIALS

9-02.1(6) Cationic Emulsified Asphalt

(December 12, 2025 APWA GSP)

Add Section 9-02.1(6)B Polymerized Cationic Emulsified Asphalt CQS-1hP

9-02.1(6)B Polymerized Cationic Emulsified Asphalt CQS-1hP

CQS-1hP shall be a polymerized cationic quick setting emulsified asphalt. The polymer shall be milled into the asphalt or emulsion during the manufacturing of the emulsified asphalt. The minimum polymer content shall be three (3) percent by weight of residual asphalt. CQS-1hP shall also meet the following requirements:

Tests on Emulsified Asphalt	AASHTO Test Method	Specifications	
		Minimum	Maximum
Viscosity, Saybolt Furol at 77°F, sec.	T59	20	100
Particle Charge	T59	Positive	
Storage Stability, 1 Day, pct.	T59	---	1
Sieve Test, pct.	T59	---	0.10
Residue by Distillation, pct.	T59 ¹	62	---
Oil Distillate by Distillation, pct.	T59 ¹	---	0.5
Tests on Distillation Residue			
Penetration, 77°F, 100 g, 5 sec., 0.1 mm	T49	40	90
Elastic Recovery, pct.	T301 ²	50	---
Softening Point, °F	T53	135	---
Ash Content, pct.	T111	---	1

¹Distillation modified to use 300 grams of emulsified asphalt to 350 °F ± 9 °F for 20 min.

²The residue material for T301 shall come from the modified distillation per Note 1.

9-03 AGGREGATES

9-03.6 Aggregates for Slurry Seal (December 12, 2025 APWA GSP)

Delete this Section and replace it with the following:

9-03.6(1) General Requirements

Aggregates for Slurry Seal shall be free of debris and organic matter and shall be 100 percent crushed material manufactured from ledge rock, talus, or gravel which meets the following test requirements:

Los Angeles Wear ¹ , 500 Rev.	AASHTO T96, Gradation D	30 pct. max.
Sand Equivalent	AASHTO T176	60 min.
Soundness	AASHTO T104, Sodium Sulfate	15 pct. max.
Plasticity	AASHTO T90	Non-Plastic
Durability Index	ASTM D3744, Procedure B	55 min.
Uncompacted Void Content	AASHTO T304, Method B	45 min.

¹Test performed on parent aggregate.

9-03.6(2) Gradation

When tested in accordance with AASHTO T27 and AASHTO T11, the aggregate shall meet the following gradation requirements prior to the addition of any mineral fillers:

Sieve	Percent Passing	Stock Pile Tolerance
3/8 in.	100	0
No. 4	90-100	±5%
No. 8	65-90	±5%
No. 16	45-70	±5%
No. 30	30-50	±5%
No. 50	18-30	±4%
No. 100	10-21	±3%
No. 200	5-15	±2%

The gradation of the aggregate stockpile shall not vary by more than the stockpile tolerance from the mix design gradation (indicated in the table above) while also remaining within the specification gradation band. The percentage of aggregate passing any two successive sieves shall not change from one end of the specified range to the other end.

9-03.12 Gravel Backfill

9-03.12(6) Pit Run Sand (April 12, 2018 CFW GSP)

Section 9-03.12(6) is a new section:

<u>Sieve Size</u>	<u>Percent Passing</u>
3/8" square	100
U.S. No. 4	90
Sand Equivalent	30 minimum

9-03.14(3) Common Borrow
(April 12, 2018 CFW GSP)

Section 9-03.14(3) is modified with the following requirements:

Material from on-site excavations meeting the requirements for Common Borrow shall be used to the extent practicable. Material for common borrow shall consist of granular soil and/or aggregate which is free of trash, wood, debris, and other deleterious material.

Common Borrow material shall be at the proper moisture content for compaction. This material is generally moisture sensitive. The natural moisture content shall range from not more than 1 percent wet of optimum to not more than 3 percent dry of optimum as determined in accordance with Section 2-03.3(14)D. The material shall not pump or yield under the weight of compaction equipment and construction traffic. The Contractor is responsible for protecting the material from excess moisture wherever/whenever possible. To the extent practicable, this material should be handled only during non-rainy periods and should be removed, hauled, placed, and compacted into final embankments without intermediate handling or stockpiling. Surfaces should be graded and sloped to drain and should not be left uncompacted.

Common Borrow shall meet the following gradation limits:

Sieve Size	Percent Passing (by weight)
6" square ¹	100
4" square	90 – 100
2" square	75 - 100
U.S. No. 4	50 - 80
U.S. No. 40	50 max.
U.S. No 200	25 max.

¹ For geosynthetic reinforced walls or slopes, 100 percent passing 1¼-inch square sieve and 90 to 100 percent passing the 1-inch square sieve.

Common Borrow shall contain sufficient fines for compaction and to bind the compacted soil mass together to form a stable surface when heavy construction equipment is operated on its surface.

9-14 EROSION CONTROL AND ROADSIDE PLANTING

9-14.2 Topsoil

9-14.2(1) Topsoil Type A ***(June 12, 2020 CFW GSP)***

Section 9-14.2(1) is supplemented with the following:

Topsoil Type A mix shall be 50% pure organic compost and 50% sand or sandy loam. The soil shall be high in organic content and comprised of fully composted and mature organic materials.

No fresh sawdust or other fresh wood by-products shall be added to extend the volume after the composting process.

Chemical and physical characteristics of Topsoil Type A shall comply with the following:

Screen Size	7/16" Maximum
Total Nitrogen	0.25% Minimum
Organic Matter	10% Minimum
pH Range	5.5 to 7.5
Conductivity	5 mmhos/cm Maximum

9-15 IRRIGATION SYSTEM

9-15.1 Pipe, Tubing And Fittings

(June 12, 2020 CFW GSP)

Section 9-15.1 is replaced with the following:

All pipe and tubing shall be PVC or approved equal. All fittings shall be Sch 80 PVC. All pipe for the main, laterals, and sleeving shall be Sch 40 PVC.

9-15.5 Valve Boxes

(June 12, 2020 CFW GSP)

Section 9-15.5 is supplemented with the following:

Valve boxes for control valves shall be grey flared box, HDPE construction with UV inhibitors, heavy duty seat collar, drop in locking, 17"L x 24" D x 12" W with green HDPE drop in locking lid.

Valve boxes for Double Check Valve Assembly shall be grey heavy duty polymer concrete, top dimensions 25"L x 15-16"W and 24" D designed to withstand H-10 and H-20 loading in incidental and non-deliberate traffic areas. Valve box must be compliant with AASHTO H-10 Design Load; ASTM C 857-95 Design Load of A-8, 8,000lbs. Box shall be alkaline, acid and weather resistant, with flush locking polymer concrete cover. Verify size to fit Double Check Valve Assembly.

Valve boxes for quick coupler shall be light duty HDPE with UV inhibitors, 10" diameter flared box with bolt down cover.

9-15.6 Gate Valves

(April 12, 2018 CFW GSP)

Section 9-15.6 is supplemented with the following:

Gate valves shall be heavy duty cast brass body and heavy cast iron handwheel, suitable for residential or commercial potable water applications, with screwed bonnet, non-rising stem, solid wedge disc and integral seats.

9-15.7 Control Valves

9-15.7(1) Manual Control Valves

(April 12, 2018 CFW GSP)

Section 9-15.7(1) is supplemented with the following:

Shut off valves upstream of automatic control valves shall be a heavy duty cast brass body gate valve with heavy cast iron handwheel, suitable for residential or commercial potable water applications, with screwed bonnet, non-rising stem, solid wedge disc and integral seats, size to fit line.

9-15.13 Pressure Regulating Valves

(April 12, 2018 CFW GSP)

Section 9-15.13 is supplemented with the following:

Pressure regulating valve shall be designed to reduce incoming water pressure from up to 400psi to a range of 25-75psi. Valve shall be all bronze body construction, with thermal expansion bypass, serviceable in line, with internal stainless steel strainer.

9-28 SIGNING MATERIALS AND FABRICATION

9-28.1 General

(January 5, 2026 WSDOT GSP, OPTION 1.2027)

The last paragraph of Section 9-28.1 is revised to read:

All STOP, YIELD, DO NOT ENTER, WRONG WAY, FREEWAY ENTRANCE, HIGHWAY ENTRANCE signs shall be constructed entirely of Type XI reflective sheeting. All S series signs shall be constructed entirely of Type XI reflective sheeting unless otherwise specified. Overhead mounted signs shall use Type XI background reflective sheeting. Background reflective sheeting for all other signs shall be Type IV reflective sheeting or as noted in the Plans. Sign legends for all overhead signs shall be Type XI reflective sheeting, while legends on all other signs shall be constructed of Type IV reflective sheeting unless otherwise specified. Sign legends include: borders, letters, numerals, symbols, shields, and arrows. Reflective legend sheeting types shall not be mixed on individual signs.

(April 17, 2026 CFW GSP)

Section 9-28.1 is supplemented with the following:

All pedestrian / non-motorized-related warning signs (W-series) and all school warning signs (S-series) shall be of fluorescent yellow-green color.

9-28.2 Manufacturer's Identification and Date

(October 23, 2014 CFW GSP)

Section 9-28.2 is deleted and replaced with the following:

All signs shall show the manufacturer's name and date of manufacture on the back.

9-28.8 Sheet Aluminum Signs

(September 20, 2024 CFW GSP)

Section 9-28.8 table is deleted and replaced with the following:

Sign sheet thickness and material shall be in accordance with City of Federal Way Standard Details.

9-28.9 Fiberglass Reinforced Plastic Signs

(December 18, 2009 CFW GSP)

Section 9-28.9 is deleted in its entirety.

9-28.12 Reflective Sheeting

(January 5, 2026 WSDPT GSP OPT 1.2027)

Section 9-28.12 is revised to read:

Reflective sheeting material shall conform to ASTM D4956 – *Standard Specification for Retroreflective Sheeting for Traffic Control*. The following standard reflective sheeting types have been modified to reflect Contracting Agency requirements:

Device Type	Use	Sheeting Color	Sheeting Types
Permanent Signing			
Ground Mounted	All	All	IV ¹
Overhead	All	All	XI ⁵
Object Markers	All	All	IV
Temporary Construction Signing			

Warning Signs	All	Fluorescent Orange	VIII, IX, X ² , XI
Regulatory Signs	All	White	IV
Regulatory Signs	Rural	White	II ³ , IV
Regulatory Signs	Urban/Rural	White	II ³ , IV
Regulatory Signs	All	Red	III, IV
Regulatory Signs	All	Green	II, IV
Regulatory Letters, Border or Symbols	-	Green	III ³ , IV
Temporary Construction Signs	All	All Other Background Colors	III ³ , IV
Other Devices			
Barricades	All	White or Orange	III ³ , IV
Barrier Delineators	All	White or Yellow	III, IV, V, XI
Bollards	All	All	IV
Flexible Guidepost	All	All	III, IV, V
Pedestrian Channelization Devices	All	White or Orange	III ³ , IV
Signal Backplates	Portable Signals		IV
Signal Backplates	Permanent Signals		See Section 9-29.16
Tall Channelization Devices - 42-inch	All	Fluorescent Orange/White	III ³ , IV ⁴
Traffic Cones 28-inch and 36-inch	All	White or Higher White	VI
Traffic Safety Drums	All	Fluorescent Orange/White	III ³ , IV ⁴
Transportable Attenuators	All	Yellow and Black Chevron	III ³ , IV
Transportable Attenuators	All	White and Red Chevron	IV
Tubular Markers (portable or pavement mounted)	All	White or Yellow	III ³ , IV
Utilities Attached to Bridges			I, See Section 6-01.10
<ol style="list-style-type: none"> 1. Except S Series, STOP, YIELD, DO NOT ENTER, FREEWAY ENTRANCE, and HIGHWAY ENTRANCE signs shall use Type XI. 2. Former Type X, not shown in ASTM 04956, however meets requirements of Types VII, IX, and XI. 3. Only devices in inventory may be used through December 31, 2026. 4. Type IV or higher fluorescent orange and white sheeting. 5. Type IV sheeting shall be used for overhead street name signs if specified in the Plans. 			

9-28.14 Sign Support Structures

(September 20, 2024 CFW GSP)

Section 9-28.14 is supplemented with the following:

Unless otherwise noted in the Plans or approved by the Engineer, all sign posts shall be steel sign posts. Sign post sizes will be shown on Plans or shall be sized in accordance with the WSDOT Design Manual. Sign supports (foundations) shall be in accordance with City of Federal Way Standard Details.

9-29 ILLUMINATION, SIGNAL, ELECTRICAL

9-29.1(11) Foam Conduit Sealant

(*****)

Section 9-29.1(11) is deleted and replaced with the following:

Foam conduit sealant is not allowed. Conduits shall be sealed in accordance with Section 8-20.3(5)A2. The following products are accepted for use as conduit sealant:

- Cully Duct Sealing Compound, asbestos free, Part # 14300 or
- Unthreaded polyethylene or polyurethane conduit plugs for PVC conduit, matching the size of the conduit.

9-29.2 Junction Boxes, Cable Vaults, and Pull Boxes

(September 20, 2024 CFW GSP)

Section 9-29.2 is supplemented with the following:

Slip-Resistant Surfacing for Junction Boxes, Cable Vaults, Fiber Vaults, and Pull Boxes

All junction box lids indicated on the Plans must meet accessibility requirements and be slip-resistant. The acceptable slip-resistant product is slip-resistant MMA coating. Placement of the slip-resistant MMA coating shall be in accordance with the manufacturer's recommendations. Vertical edges of the utility shall be flush with the adjoining surface to the extent possible after installation.

9-29.3(2) Electrical Conductors and Cable

9-29.3(2)K Video Detection Camera Cable

(*****)

Section 9-29.3(2)K is a new section as follows:

All video detection camera cable shall be CAT5e Cable, 24/4P (Commscope) 4286104/10, Unshielded, Black, 24 AWG, 4-pair, stranded, 300V, rated for outdoor use, shall be in accordance with manufacturer specifications, and shall be provided and installed by the Contractor.

9-29.10 Luminaires

(September 20, 2024 CFW GSP)

Section 9-29.10 paragraph 3 and 4 are deleted and replaced with the following:

All cobra-head style roadway luminaires shall be provided with markers for positive identification of light source type and wattage in accordance with ANSI C136.15-2011 with whole number wattage value and "LED" text. Legends shall be sealed with transparent film resistant to dust, weather, and ultraviolet exposure.

9-29.10(1) Conventional Roadway Luminaires

9-29.10(1)B Light Emitting Diode (LED) Conventional Roadway Luminaires

(*****)

Section 9-29.10(1)B is supplemented as follows:

New roadway luminaire installations shall be cobra-head style LED, wattage in accordance with the Plans, with 7-pin photocell receptacle. The terminal board shall have lugs of a 240-volt 3-wire power source. Terminals shall be labeled line-neutral-line. The neutral terminal shall be grounded to the metal housing of the luminaire. The LED luminaire shall be factory set to produce IES pattern Type II or Type III as listed below.

All new roadway luminaire installations shall be Eaton Archeon LED luminaires. Part numbers differ depending on the designed wattage specified as follows:

140 W: ARCH-L-PA3-140-740-U-T3-AP-10MSP-PR7

LED luminaires shall be furnished and installed by the Contractor. The units shall be in accordance with the Plans for wattage. LED luminaires shall have a correlated color temperature (CCT) of 4000K and minimum color rendering index (CRI) of 70. Any variations from this standard must be approved by the City Traffic Engineer and shall require a lighting design performed by a licensed Professional Engineer. The Contractor shall provide a photometric plot of the proposed illumination system and line loss calculations for these variation requests.

Units shall incorporate the following features:

1. A housing with 2.5-degree leveling steps capable of being mounted on a standard 2-inch roadway pole pipe tenon.
2. A housing and door manufactured from a die-cast low copper alloy aluminum designed to minimize corrosion.
3. Electrical components accessible through a swing-down entry door secured by a trigger latch or similar tool-less entry mechanism.
4. Resistance to vibration and impact, 3G vibration rated.
5. Provisions for installing a 7-pin photoelectric cell.
6. An LED light engine protected from the elements by a prismatic glass lens.
7. A thermal management system that promotes maximum air flow through the luminaire to ensure a minimum of 60,000 hours of operation at 25 degree centigrade with 90% lumen maintenance.
8. Protection against solar heating when not in operation.
9. Dark sky optics.
10. Glass tertiary optics that will not discolor or become brittle over time.
11. Sealed optics system rated for IP66 against water and dirt infiltration.
12. Surge protection module to protect the LED drivers, photo controls, transfer switches, and relays from electrical disturbances as defined by ANSI/IEEE C62.41, Category C. The unit shall be replaceable through the use of modular plug and wiring.
13. Solid state multi-volt electrical drivers with a rated life of 50,000 hours.
14. Electrical drivers mounted in a heat sink and located such that they are isolated from heating by the sun when not in use.
15. 7-Pin Photo control receptacle that is adjustable without tools and is designed to meet UI1598 specifications for wet operation.

The WSDOT list of pre-approved LED luminaires does not apply to this Contract.

9-29.11 Control Equipment

9-29.11(2) Photoelectric Controls

(September 20, 2024 CFW GSP)

Section 9-29.11(2) is supplemented with the following:

Cobra Head Luminaires

One CIMCON control node, model #SLC-3100-7P-277-A-G-IO-CATB-05-T shall be installed on the top of each cobra head roadway luminaire in place of the photocell or shorting cap.

Illumination nodes are existing and shall be relocated to the new luminaire fixtures.

9-29.13(8) Generator Transfer Switch

Section 9-29.13(8) is deleted and replaced with the following:

A generator transfer switch shall be included with the battery backup unit, as described in Section 9-29.13(10)E, unless otherwise specified in the Contract.

9-29.13(10)E Battery Backup Cabinet and Equipment

(September 20, 2024 CFW GSP)

Section 9-29.13(10)E is a new section:

The Contractor shall furnish and install a complete battery backup system.

Each system shall consist of the following:

- Enclosure (Alpha SE48-2216 / 0260044-117, pad mount, bare aluminum) with generator plug option, redundant parallel architecture (RPA), rack-mount universal automatic transfer switch (UATS) with surge protection (TVSS) and universal generator transfer switch (UGTS), slide-out battery trays, and Best lock (tapered latch bolt, spring loaded with green core);
- Rack-mount UPS power module 1100w, 120v input/output with simple network management protocol (SNMP) and standard power connectors; Alpha FXM-HP1100UPS/SNMP;
- Automatic transfer switch assembly; Alpha, part number 020-168-25;
- Remote battery management system kit; Alpha, part number 0370260-002, which includes:
 - Remote Battery Management System Plus controller; Alpha, part number 0370260-J0;
 - Power cable; Alpha, part number PBT-PAC-0BAT;
 - Four battery sensors; Alpha, part number BS3B-12-4-EQ;
 - Battery cable; Alpha, part number PBT-PAC-BATT-10;
- Four 12-volt batteries, 115ah, maintenance-free, sealed, deep cycle, absorbed glass mat (AGM); Alpha AlphaCell 240TXV.

9-29.16 Vehicular Signal Heads, Displays, and Housings

(September 20, 2024 CFW GSP)

Section 9-29.16 is modified as follows:

Paragraph 2, is deleted and replaced with the following:

All lenses shall meet ITE specifications for light output with 12-inch-diameter faces.

All vehicular signal heads shall be dark green baked enamel and shall be equipped with 5-inch wide black-polycarbonate back plates and black-polycarbonate tunnel visors of a

length equal to the lens diameter. All hardware for attaching visors and back plates shall be non-corrosive stainless steel. Vehicle signal head polycarbonate materials shall not be painted. A 2-inch-wide strip of yellow retro-reflective, Type IX prismatic sheeting, conforming to the requirements of Section 9-28, shall be applied around the perimeter of each backplate.

9-29.16(2) Conventional Traffic Signal Heads

9-29.16(2)A Optical Units
(September 20, 2024 CFW GSP)

Section 9-29.16(2)A is deleted and replaced with the following:

Lenses shall be of the color indicated, circular in shape, with a visible diameter of 12 inches, as specified in the Contract, and of such design as to give an outward and downward distribution of light with a minimum above the horizontal. The lenses shall be standard red, amber, and green, prisms traffic signal lenses and shall conform to the specifications of ITE Standards (Standards for Adjustable Face Vehicle Traffic Control Signal Heads, 1977 edition). The lenses shall fit into a red silicon gasket in a manner to render the interior of the lens and reflector weather- and dust-tight. Signal heads shall have hinged aluminum reflector rings. The lens and gasket shall be secured to the door with four noncorrosive lens clips.

LED Traffic Signal Modules

All traffic signal displays shall be the tinted lens, incandescent-look LED type and shall be from one of the following manufacturers:

Dialight Corporation
1501 Route 34 South
Farmingdale, NJ 07727
Telephone: (732) 919-3119
FAX: (732) 751-5778

Precision Solar Controls, Inc.
2960 Market Street
Garland, TX 75041
Telephone: (972) 278-0553
FAX: (972) 271-9583

GE Current
28525 Science Park Drive
Cleveland, OH 44122
Telephone: (216) 462-4700

Each LED signal module shall be designed to be installed in the doorframe of a standard traffic signal housing. The lamp socket, reflector, reflector holder, and lens used with an incandescent lamp shall not be used in a signal section in which a LED signal module is installed. The installation of an LED signal module shall not require any modification to the housing. The LED signal module shall be a single, self-contained device, not requiring on-site assembly for installation into an existing traffic signal housing.

All red LED signal modules shall be manufactured with a matrix of AlInGaP LED light sources and green LED signal modules shall be manufactured with a matrix of InGaN LED light sources. The LED traffic signal module shall be operationally compatible with controllers and conflict monitors on this Project. The LED lamp unit shall contain a disconnect that will show an open switch to the conflict monitor when less than 60 percent of the LEDs in the unit are operational.

Each LED signal module shall conform to the current standards in Institute of Transportation Engineers (ITE) VTCSH Part 2 and a Certificate of Compliance with these standards shall be submitted by the manufacturer for each type of signal head. The certificate shall state that the lot of signal heads meets the current ITE specification. A label shall be placed on each LED signal module certifying conformance to this specification. The manufacturer's name, trademark, serial number and other necessary identification shall be permanently marked on the backside of the LED signal module. LED signal modules used on this Project shall be from the same manufacturer. A label shall be provided on the LED housing and the Contractor shall mark the label with a permanent marker to note the installation date.

LED signals shall show no evidence of illumination for input voltages below 35 volts. LED signals shall supply illumination current (unregulated) for all input voltages higher than 45 volts (and conform to appropriate intensity requirements specified above 80 volts).

The manufacturer shall provide a written warranty against defects in materials and workmanship for the LED signal modules for a period of 60 months after installation of the modules. All warranty documentation shall be given to the Engineer prior to installation.

9-29.16(2)B Signal Housing
(December 18, 2009 CFW GSP)

Section 9-29.16(2)B is supplemented with the following:

The signal housing shall be designed to withstand winds of 80 miles per hour with a 0.25-gust factor without permanent distortion or failing (torque at attachment of 6,000 pound-feet).

9-29.16(3) Polycarbonate Traffic Signal Heads
(December 18, 2009 CFW GSP)

Section 9-29.16(2)B is supplemented with the following:

Polycarbonate traffic signal heads shall be provided for this Contract.

9-29.17 Signal Head Mounting Brackets and Fittings
(**)***

Section 9-29.17 is supplemented with the following:

Mast arm mounting hardware for the new vehicle signal head shall be stainless steel band mount, Pelco AS-0116, or approved equal, and shall be field installed by the Contractor. Fittings shall be painted with two coats of factory-applied traffic-signal dark green baked enamel. A watertight seal shall be provided where the signal head mounting bracket attaches to the mast arm or signal pole.

Traffic signal heads installed on the signal standard uprights shall use Type B (side mount) mounting, with bronze terminal compartment, in accordance with Standard Plan J-75.10-02, and shall be field installed by the Contractor. The mount shall be powder coated signal green color.

9-29.18 Vehicle Detector

9-29.18(3) Video Detection System

Section 9-29.18(3) is a new section as follows:

All video detection system items and materials furnished shall be new current production models installed and operational in a user environment and shall be items currently in distribution. Video detection systems shall meet the following requirements:

General

The detection of vehicles passing through the field-of-view of an image sensor shall be made available to a large variety of end user applications as simple contact closure outputs that reflect the current real-time detector or alarm state (on/off) or as summary traffic statistics that are reported locally or remotely. The contact closure outputs shall be provided to a traffic signal controller and comply with NEMA type C or D detector rack file standards.

The system architecture shall fully support Ethernet networking of system components through a variety of industry standard and commercially available infrastructures that are used in the traffic industry. The data communications shall support direct connect, modem and multi-drop interconnects. Simple, standard Ethernet wiring shall be supported to minimize overall system cost and improve reliability, utilizing existing infrastructure and ease of system installation and maintenance. Both streaming video and data communications shall be capable of being interconnected over long distance through fiber optic, microwave or other commonly used digital communications transport configurations.

In terms of the software application side of the network, the system shall be integrated through a client-server relationship. A communications server application shall provide the data communications interface between as few as one to as many as hundreds of Machine Vision Processors (MVP) sensors (otherwise referred to as video detection cameras with built in processors) and a number of client applications. The client applications shall either be hosted on the same PC as the communications server or may be distributed over a local area network of PC's using the industry standard TCP/IP network protocol. Multiple client applications shall execute simultaneously on the same host or multiple hosts, depending on the network configuration. Additionally, a web-browser interface shall allow use of industry standard internet web browsers to connect to MVP sensors for setup, maintenance and playing digital streaming video.

Approved equal GRIDSMART systems shall track individual vehicles entering the field of vision through detection zones from one camera located in the intersection, collect 24-hour approach volume, turning movement, and vehicle classification count data, and signal performance metrics. Larger intersections may require 2 cameras to include all advanced detection zones.

System Hardware

The video detection system hardware shall consist of the following components:

1. A color, 22x zoom MVP sensor.
2. A modular cabinet interface unit.
3. A communication interface panel.
4. Surge suppresser/ lightning protection.
5. A portable color monitor to be permanently placed within the signal controller cabinet.
6. All other necessary equipment for setup, maintenance and operation of the video detection system including but not limited to programming device and specialty tools.

The real-time performance shall be observed by viewing the video output from the sensor with overlaid flashing detectors to indicate current detection state (on/off). The MVP

sensor shall be capable of optionally storing cumulative traffic statistics internally in non-volatile memory for later retrieval and analysis.

The MVP shall communicate to the modular cabinet interface unit via the communications interface panel and the software applications using the industry standard TCP/IP network protocol. The MVP shall have a built-in, Ethernet-ready, Internet Protocol (IP) address and shall be addressable with no plug in devices or converters required. The MVP shall provide standard MPEG-4 streaming digital video. Achievable frame rates vary from 5 to 30 frames per second as a function of video quality and available bandwidth.

The modular cabinet interface unit shall communicate directly with up to eight MVP sensors and shall comply with form factor and electrical characteristics to plug directly into a NEMA type C or D detector rack providing up to 32 inputs and 64 outputs to a traffic signal controller.

The communications interface panel shall provide four sets of three electrical terminations for three wire power cables for up to eight MVP sensors that may be mounted on a pole or mast arm with a traffic signal cabinet or junction box. The communication interface panel shall provide high-energy transient protection to electrically protect the modular cabinet interface unit and connected MVP sensors. The communications interface panel shall provide single-point Ethernet connectivity via RJ45 connector for communication to and between the modular cabinet interface module and the MVP sensors.

Approved Products

Contractor shall provide the following approved video detection system:

1. **Currux Vision:** The Currux Vision detection system shall consist of the following components:
 - SmartCity ITS Standard, Gen 3, (Currux Vision) CVAIS GS, 6 Port, GPU Server and Software;
 - SDLC Module, Serial Veh/Ped/Bike Detection (Currux Vision), SDLC;
 - NTCIP Module (Currux Vision), NTCIP;
 - Analogue Camera Adapter (Currux Vision) ACA, 4-Channel;
 - Currux Bullet Camera, 4 each;
 - Pelco Astro-Brac (Stellar) Camera Mount, part number AS-0175-74-84-SS-PNC, 74" tube, 84" stainless cable, unfinished;
 - 5-Port Industrial Fast Eth/POEDIN-Rail Switch, 4X Fast Eth POE, 1XFast Eth Port (Trendnet TI-PE50)
 - Power Supply (Mean Well) SDR-120-48, 88-264 VAC, 48VDC / 2.5A Out, DIN-Rail
 - Patch Cord CAT6, Extreme CAT 6 Slimline Boot, 5 ft, Blue;
 - Cable, in accordance with Section 9-29.3(2)K; and
 - Any other hardware, labor, or equipment to have a fully-functioning video detection system.

Installation and Training

The product supplier of the video detection system shall supervise the installation and the testing of the video equipment. A factory certified representative from the manufacturer shall be on-site during installation. The factory representative shall install, make fully

operational, and test the system as indicated on the intersection drawings and this specification.

One day of training shall be provided to personnel of the City of Federal Way and King County in the operation, set-up and maintenance of the video detection system. Instruction and materials shall be produced for a maximum of 7 persons and shall be conducted at the City of Federal Way City Hall or King County Signal Shop.

Warranty

The video detection system shall be warranted against manufacturing defects in materials and workmanship for a period of no less than three years from date of installation. The video detection supplier shall provide all documentation necessary to maintain and operate the system. The supplier shall maintain a program for technical support and software updates following the expiration of the warranty period.

9-34 PAVEMENT MARKING MATERIAL

9-34.2 Paint

9-34.2(5) Low VOC Waterborne Paint

(December 16, 2022 CFW GSP)

Section 9-34.2(5) is replaced with the following:

The City of Federal Way does not allow Low VOC Waterborne Paint.

9-34.3 Plastic

9-34.3(4) Type D – Liquid Cold Applied Methyl Methacrylate

(March 13, 2012 CFW GSP)

Section 9-34.3(4) is supplemented with the following:

The methyl methacrylate (MMA) material shall be formulated as a long-life durable pavement marking system capable of providing a minimum of two years of continuous performance. The material shall be a catalyzed methyl methacrylate (MMA), wet-continuous reflective product and placed shall have a dry time (cure) to the touch of no more than 30 minutes. The material shall be capable of retaining reflective glass beads and ceramic micro-crystalline elements of the drop-on or spray-on type as specified by the manufacturer. The binder shall be lead free and suitable for bituminous and concrete pavements.

9-34.4 Glass Beads for Pavement Marking Materials

(September 20, 2024 CFW GSP)

Section 9-34.4 is supplemented with the following:

Methyl Methacrylate Pavement Markings Optics

Both glass beads and reflective elements are required for MMA application, unless otherwise noted.

Glass Beads

Surface-drop glass beads shall be the Swarco SwarcoFlex bead that has a Methacrylate compatible coupling agent approved by the material manufacturer.

Glass beads shall be applied at a rate of 8 to 10 pounds per one hundred square feet.

Reflective Elements

Surface-drop ceramic elements shall be 3M Series 50M or 70M with a methacrylate-compatible coupling agent approved by the material manufacturer. Elements shall meet or exceed a minimum initial coefficients of retroreflected luminance value of 200 mcd/m²/lx for white and 150 mcd/m²/lx for yellow in accordance with ASTM E2832.

The reflective elements shall contain either clear or yellow tinted microcrystalline ceramic beads bonded to the opacified core. These elements shall not be manufactured using lead, chromate or arsenic. All “dry-performing” microcrystalline ceramic beads bonded to the core shall have a minimum index of refraction of 1.89 when tested using the liquid oil immersion method. All “wet performing” microcrystalline ceramic beads bonded to the core shall have a minimum index of refraction of 2.40 when tested using the liquid oil immersion method. The test method is described in ASTM E1967-98.

The gradation for the reflective elements shall be as follows:

US Mesh	Micron	Standard Elements
10	2000	95-100
14	1410	0-40
20	850	0-7

A sample of reflective elements supplied by the manufacturer shall show resistance to corrosion of their surface after exposure to a 1% solution (by weight) of sulfuric acid for 24 hours. After testing, no more than 15% of beads shall show a distinct opaque surface upon microscopic examination after the test.

The reflective elements are surface treated to optimize embedment and adhesion to the MMA binder. Elements treated for use with MMA shall have identification on packaging or label to indicate use with the MMA binder.

Reflectance

Typical initial retroreflectivity values are shown in the table below. Typical retroreflectivity is averaged over many readings. Minimum retroreflectivity results represent average performance for smooth pavement surfaces. Results may vary due to differences in pavement type and surface roughness. Increased element drop rate may be necessary to compensate for increased surface area characteristic of rough pavement surfaces.

Minimum Initial Retroreflectivity Values		
	White	Yellow
Dry (ASTM E1710)	700	525
Wet recovery (ASTM E2177)	275	225
Wet continuous (ASTM E2176)	200	150

9-35 TEMPORARY TRAFFIC CONTROL MATERIALS

Section 9-35 is supplemented with the following:

9-35.2 Construction Signs

(January 5, 2026 WSDOT GSP, OPT1.2027)

Section 9-35.2 is revised to read:

Construction signs shall conform to the requirements of the MUTCD and shall meet the requirements of NCHRP Report 350 for Category 2 devices or MASH. Except as noted below, any sign/sign stand combination that satisfies these requirements will be acceptable. Post mounted Class A construction signs shall conform to the requirements of this section and additionally shall conform to the requirements stated in Section 9-28.

Aluminum sheeting shall be used to fabricate all construction signs. The signs shall have a minimum thickness of 0.080 inches and a maximum thickness of 0.125 inches.

All construction signs shall be fabricated with reflective sheeting in accordance with Section 9-28.12. All post mounted signs shall use a nylon washer between the twist fasteners (screw heads, bolts or nuts) and the reflective sheeting.

The use of plywood, fiberglass reinforced plastic, fabric rollup signs, and any other previously approved sign materials except aluminum or aluminum composite is prohibited.

All Class A and Class B signs shall utilize materials and be fabricated in accordance with Section 9-28 and the Washington State Sign Fabrication Manual M 55-05. A fabrication decal as stated in Section 9-28.1 is not required for construction signs.

9-35.6 Barricades

(January 5, 2026 WSDOT GSP, OPT1.2027)

Section 9-35.6 is revised to read:

Barricades shall conform to the requirements of the MUTCD. The alternating orange and white reflective bands shall be fabricated with reflective sheeting in accordance with Section 9-28.12.

9-35.7 Traffic Safety Drums

(January 5, 2026 WSDOT GSP, OPT1.2027)

The third and fourth paragraphs of Section 9-35.7 are revised to read:

Until December 31, 2026, traffic safety drums may have 4-inch or 6-inch reflective bands fabricated from Type III or Type IV or higher sheeting type as described in Section 9-28.12.

Beginning January 1, 2027, traffic safety drums shall have 6-inch reflective bands. A minimum of 4 reflective horizontal bands, alternating fluorescent orange and white starting with the top stripe being fluorescent orange, shall be used. Reflective bands shall be fabricated from Type IV or higher (reflective sheeting as described in Section 9-28.12). Drums of different reflective band types shall not be intermixed within the same closure. When recommended by the manufacturer, drums shall be treated to ensure proper adhesion of the reflective sheeting.

9-35.9 Traffic Cones

(January 5, 2026 WSDOT GSP, OPT1.2027)

The last paragraph of Section 9-35.9 is revised to read:

White reflective bands shall be fabricated with reflective sheeting in accordance with Section 9-28.12.

9-35.10 Tubular Markers

(January 5, 2026 WSDOT GSP, OPT1.2027)

The last paragraph of Section 9-35.12 is revised to read:

White reflective bands shall be fabricated with reflective sheeting in accordance with Section 9-28.12. When recommended by the manufacturer, tubular markers shall be treated to ensure proper adhesion of the reflective sheeting.

9-35.12 Transportable Attenuator

(January 5, 2026 WSDOT GSP, OPT1.2027)

The last paragraph of Section 9-35.9 is revised to read:

The transportable attenuator shall have a chevron pattern on the rear of the unit. The pattern shall consist of 4-inch to 8-inch alternating nonreflective black and reflective yellow or alternating reflective red and white sheeting, slanted at 45 degrees in an inverted “V” with the “V” at the center of the unit. Reflective sheeting shall be in accordance with Section 9-28.12.

9-35.13 42-Inch Tall Channelizing Devices

(January 5, 2026 WSDOT GSP, OPT1.2027)

The third and fourth paragraphs of Section 9-35.13 are revised to read:

Until December 31, 2026, 42-inch tall channelization devices may have 4-inch or 6-inch reflective bands fabricated from Type III or Type IV or higher sheeting type as described in Section 9-28.12.

Beginning January 1, 2027, 42-inch tall channelization devices shall have 6-inch reflective bands. A minimum of 4 reflective horizontal bands, alternating fluorescent orange and white starting with the top stripe being fluorescent orange, shall be used. Reflective bands shall be fabricated from Type IV or higher IV (reflective sheeting as described in Section 9-28.12. 42-inch tall channelization devices of different reflective band types shall not be intermixed within the same closure. When recommended by the manufacturer, 42-inch tall channelization devices shall be treated to ensure proper adhesion of the reflective sheeting.

9-35.16 Pedestrian Channelizing Devices

(January 5, 2026 WSDOT GSP, OPT1.2027)

Section 9-35.16 is revised to read:

When exposed to vehicular traffic, pedestrian channelizing devices shall meet the crashworthiness requirements of NCHRP 350 or MASH as described in Section 2-04.3(3). The bottom and top surfaces of the pedestrian channelizing device shall have 6-inch reflective bands matching the body color of the device fabricated from reflective sheeting as described in Section 9-28.12.

Standard Plans

(January 5, 2026 WSDOT)

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

A-10.30

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

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

A-40.20

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

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

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

A-50.40

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

A-60.40

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

B-55.20

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

B-90.40

Valve Detail – DELETED

C-20.41

Note 4, First Sentence, "Box Culvert guardrail steel posts are not needed for fill depths greater than 40 inches." is revised to read; "Box culvert guardrail steel posts are not needed for fill depths greater than 46 inches. Provide 6-inches or greater of separation between the bottom of the guardrail post and top of the culvert"

BOX CULVERT POST ASSEMBLY, ELEVATION VIEW, post assembly length dimension "41" MIN. 72" MAX." is revised to read; "41" MIN. 78" MAX."

SECTION A, base material depth dimension - "9" MIN. 40" MAX. (SEE NOTE 4)" is revised to read: "9" MIN. 46" MAX. (SEE NOTE 4)"

C20-43

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

depths greater than 46 inches. Provide 6-inches or greater separation between the bottom of guardrail post and top of culvert.”

Add a new KEY NOTE 4 - “IT IS PERMISSIBLE TO USE A 1” DIAM. ANCHOR ROD WITH TWO NUTS AND TWO – 1” DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(4) IN LIEU OF A HEX HEAD BOLT.”

BOX CULVERT POST & BASE PLATE ASSEMBLY, ELEVATION VIEW, post assembly length dimension – “41” MIN. 72” MAX.” is revised to read: “41” MIN. 78” MAX.”

SECTION A, base material depth dimension - “9” MIN. 40” MAX. (SEE NOTE 4)” is revised to read: “9” MIN. 46” MAX. (SEE NOTE 4)”

Section A, callout – “1” (IN) DIAM. HEX HEAD BOLT (ASTM A 307, GR. A) W/NUT & 2 – 1” DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(1) ~ SEE NOTE 1”, is revised to read: “1” (IN) DIAM. HEX HEAD BOLT (ASTMA 307, GR. A) W/NUT & TWO – 1” DIAM. WASHERS PER STD. SPEC. SECTION 9-06.5(1) ~ SEE KEY NOTES 1 AND 4”

Elevation View, Weld symbol – callout, See (key Note Symbol) “4” is revised to read: See (key Note Symbol) “3”

C-23.70

Sheet 2, ANCHOR BRACKET ASSEMBLY DETAIL, dimension, “R. 5/16” is revised to read; R. 15/16”

ANCHOR PLATE DETAIL, weld callout (fillet), 1/4” is revised to read; 3/16”

C-60.20

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

C-70.15

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

C81.10

Sheet 1, TYPICAL SECTION – TRAFFIC BARRIER the R4 #6 bar on the traffic face may be placed 4” down from the top of the barrier to allow additional room to install BP railing or other attachments. The R4 bar shall be kept tight to the front R2 bar.

Sheet 4, the existing table “IMPACT SHEAR AND IMPACT MOMENT TABLE” is renamed to “IMPACT SHEAR AND MOMENT TABLE DECK OVERHANG AND CONNECTIONS” keynote 25 is still applicable.

Sheet 4, NOTES, the following Note is added: “3. Deck overhangs for this use constitute plain reinforced concrete typically around 8” in thickness, non-prestressed moment slabs or approach slabs, or plain reinforced and longitudinally prestressed box girders which employ a topping slab. Other Supporting Structure Systems inclusive of post-tensioned decks, walls, and or Structure segments tied together without a topping slab, with the ties in the barrier resistance load path, shall use the impact shear and moments for other supporting structures.”

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

IMPACT SHEAR AND MOMENT TABLE OTHER SUPPORTING STRUCTURES

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

C-81.15

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

C-85.11

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

D-3.09

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

D-3.10

Sheet 1, Typical Section, callout – “FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.15” is revised to read; ”FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER, SEE CONTRACT PLANS”
 Sheet 1, Typical Section, callout – “FOR WALLS WITH F-SHAPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.16” is revised to read; ”FOR WALLS WITH F-SHAPE TRAFFIC BARRIER, SEE CONTRACT PLANS”

D-3.11

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

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

D-10.10

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

D-10.15

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

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

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

D-10.45

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

E-20.10

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

F-10.18

Note 1; "Construct curb joints at cement concrete pavement transverse joint locations. If all adjacent pavement is HMA, see Standard Plan F-30.10 for Curb Expansion and Contraction Joint Spacing." is revised to read – "See Standard Plan F-30.10 and Standard Specification Section 8-04.3 for Curb Expansion and Contraction Joint details and spacing."

CURB 3 Detail, the diamond note 1 callout on the 6" dimension at the bottom left side of the detail, is revised to be a diamond note 2 callout.

F-30.10

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

F-40.12

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.

Section B is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section C is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

F-40.14

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is

constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section C is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

F-40.15

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 7 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

F-40.16

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 8 is replaced with the following:

7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.

Section A is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

Section B is amended as follows:

Delete: "15' – 0" MAX. (TYP.)"

F-80.10

The one instance of "2.0% MAX." is replaced with "2.1% MAX."

Note 6 is replaced with the following:

The running slope of the Pedestrian Ramp shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk.

Section A is amended as follows:

Delete: "15" Max."

J-5.50

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

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

J-10.10

Sheet 4 of 6, "Foundation Size Reference Table", PAD WIDTH column, Type 33xD=6' – 3" is revised to read: 7' – 3". Type 342LX / NEMA P44=5' – 10" is revised to read: 6' – 10"

Sheet 5 of 6, Plan View, "FOR EXAMPLE PAD SHOWN HERE:", "first bullet" item, "-SPACE BETWEEN TYPE B MOD. CABINET AND 33x CABINET IS 6" (IN)" IS REVISED TO READ: "SPACE BETWEEN TYPE B MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6" (IN) (CHANNEL STEEL ADDS ABOUT 5" (IN))"

J-10.16

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

J-10.17

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

J-10.18

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

J-15.15

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

J-20.01

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

J-20.10

DELETED

J-20.11

DELETED

J-20.26

Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."

Add General Note 2, to read: "Signs shown are for locations with pedestrian signal displays (Accessible Pedestrian Signals/APS). Accessible information device (AID) pushbuttons signs not shown."

Revise View Titles (Both Sheets) to read: "ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY"

J-20.16

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

J-21.10

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

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

Flat Foundation Detail – Elevation, callout; "ANCHOR BOLTS ~ 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-21.16

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

J-26.10

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

J-27.10

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

J-28.30

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

J-29.10

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

J-40.10

Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-40.36

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

J-40.37

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

J-50.15

Sheet 1, SECTION A, the call out “LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 3 PAIRS” is revised to read “LOOP LEAD-IN WIRES, TWISTED PAIRS ~ MAX. 6 PAIRS”
General Note 1 reference to “2-09.3(1)E” is revised to read “3-07.3(1)E”

J-75.20

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

J-75.55

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

K-80.32

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

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

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

L-5.10

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

M-20.30

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

M-40.10

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

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

A-10.10-00 8/7/07	A-30.35-00 10/12/07	A-50.10-02 7/18/24
A-10.20-00 10/5/07	A-40.00-01 7/6/22	A-50.40-01 8/17/21
A-10.30-00 10/5/07	A-40.10-04 7/31/19	A-60.10-03 12/23/14
A-20.10-00 8/31/07	A-40.15-00 8/11/09	A-60.20-03 12/23/14
A-30.10-00 11/8/07	A-40.20-04 1/18/17	A-60.30-01 6/28/18
A-30.30-01 6/16/11	A-40.50-03 9/12/23	A-60.40-00 8/31/07
B-5.20-03 9/9/20	B-30.50-03 2/27/18	B-75.20-03 8/17/21
B-5.40-02 1/26/17	B-30.60-00 9/9/20	B-75.50-02 3/15/22
B-5.60-02 1/26/17	B-30.40-03 2/27/18	B-70.60-01 1/26/17
B-10.20-03 8/23/23	B-30.70-04 2/27/18	B-75.60-00 6/8/06
B-10.40-02 8/17/21	B-30.80-01 2/27/18	B-80.20-00 6/8/06
B-10.70-03 8/23/23	B-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

CITY OF FEDERAL WAY

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 entered (if applicable) are available on BXWA.com

SP-158

PROJECT #36244

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

CITY OF FEDERAL WAY

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 entered (if applicable) are available on BXWA.com

SP-159

PROJECT #36244

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		

END DIVISION 9

CITY OF FEDERAL WAY

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Official bid documents, plan holder's list, and
 and bid (if applicable) are available on BXWA.com

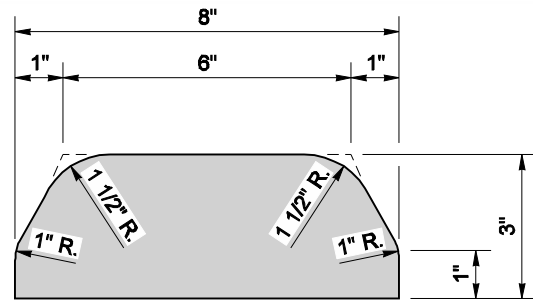
CITY CENTER GREENWAY PROJECT

SP-160

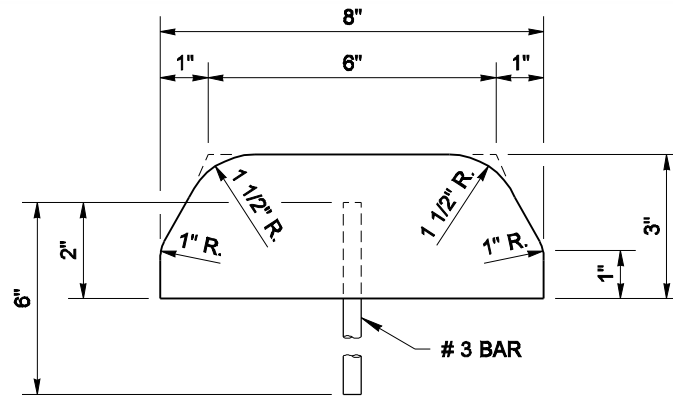
PROJECT #36244

APX A: STANDARD PLANS AND DETAILS

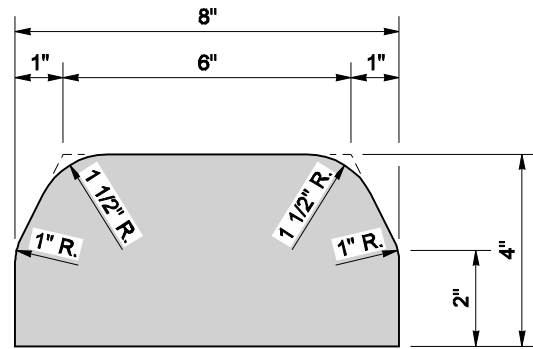
DRAWN BY: BILL BERENS



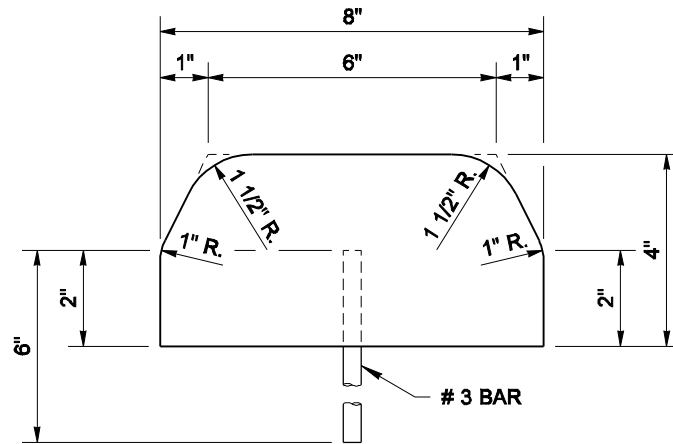
TYPE 1
(HOT MIX ASPHALT)



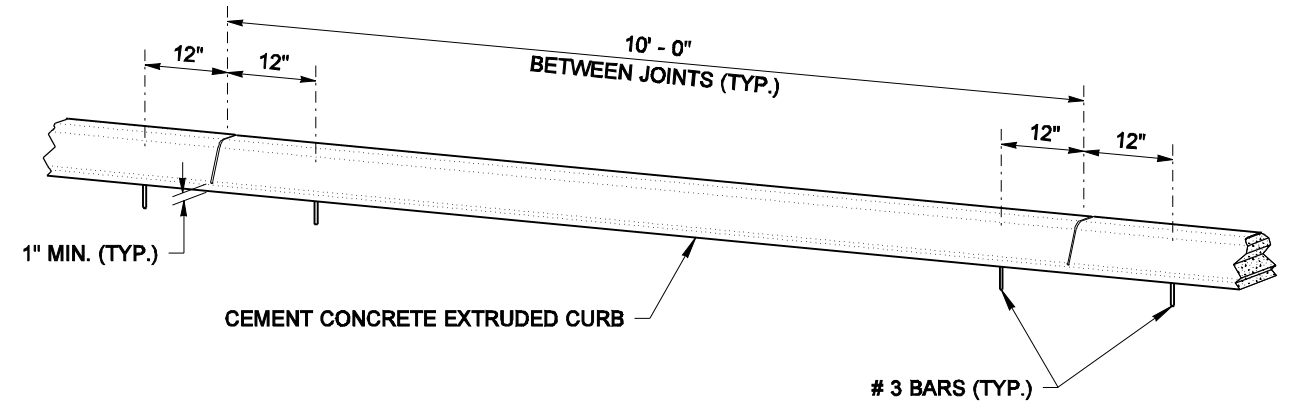
TYPE 4
(CEMENT CONCRETE)



TYPE 2
(HOT MIX ASPHALT)



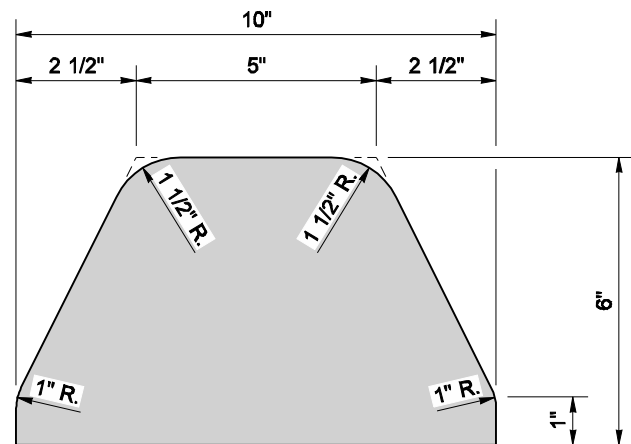
TYPE 5
(CEMENT CONCRETE)



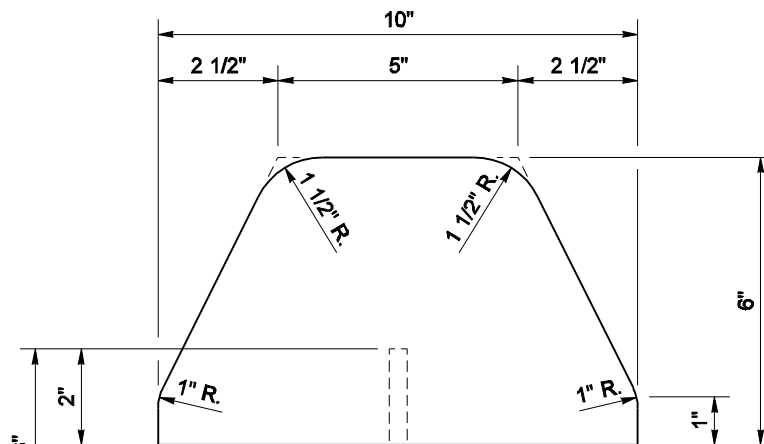
SPACING OF ANCHOR BARS
(FOR TYPES 4, 5, AND 6)

NOTE

JOINTS MAY BE FORMED DURING INSTALLATION USING A RIGID DIVIDER OR SAWCUT AFTER CONCRETE CURES TO MINIMUM STRENGTH.



TYPE 3
(HOT MIX ASPHALT)



TYPE 6
(CEMENT CONCRETE)

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EXPIRES AUGUST 26, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

EXTRUDED CURB

STANDARD PLAN F-10.42-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith

STATE DESIGN ENGINEER

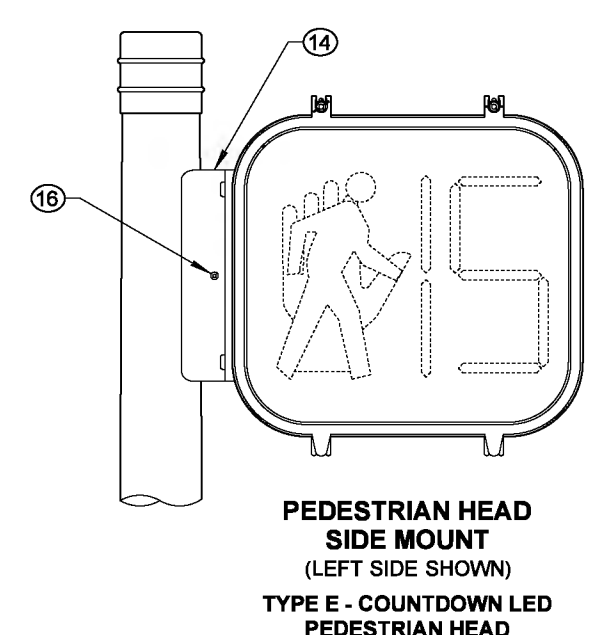
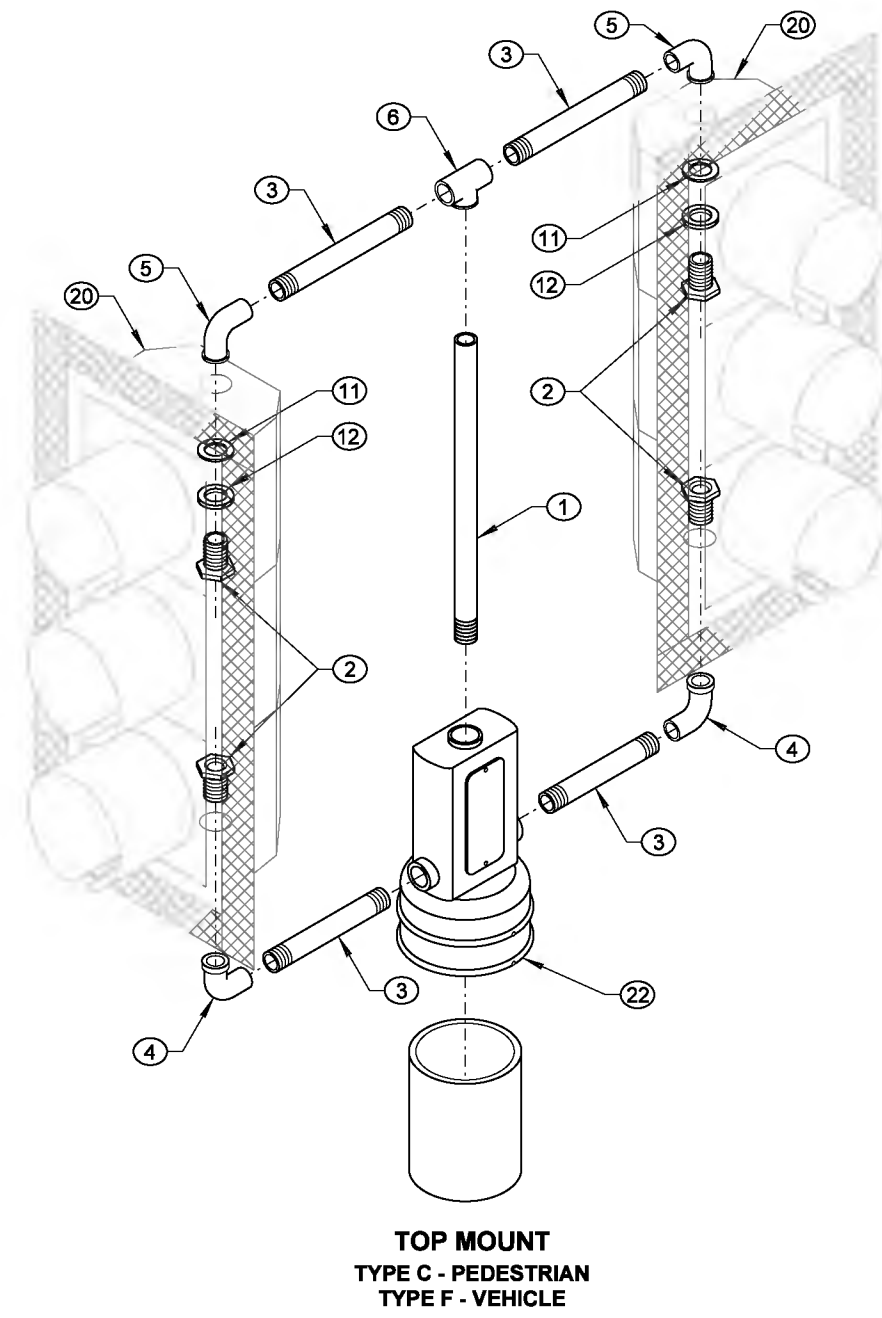
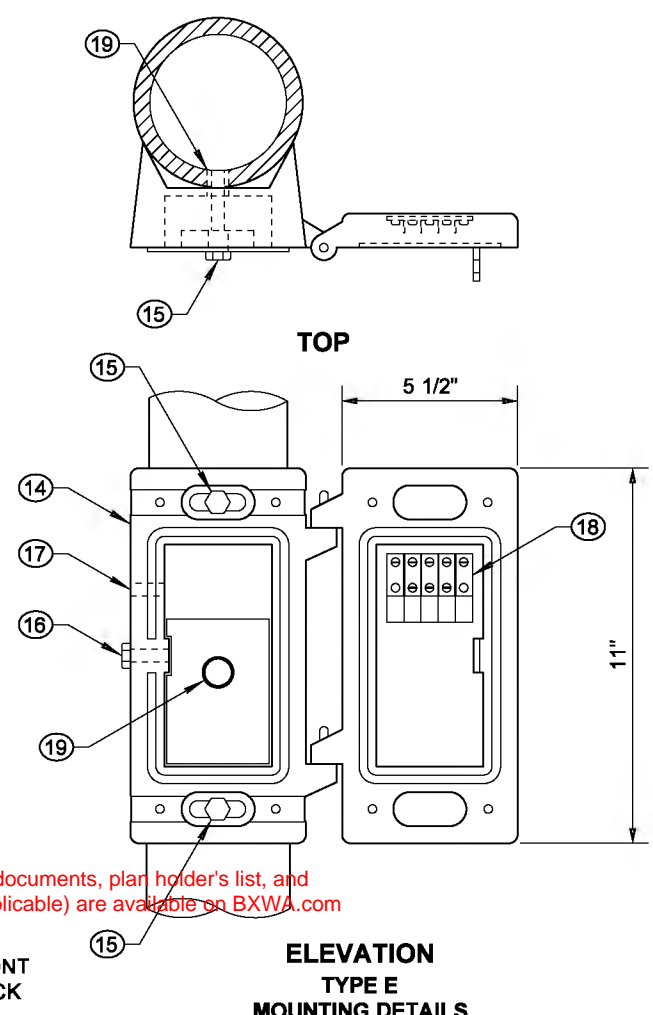
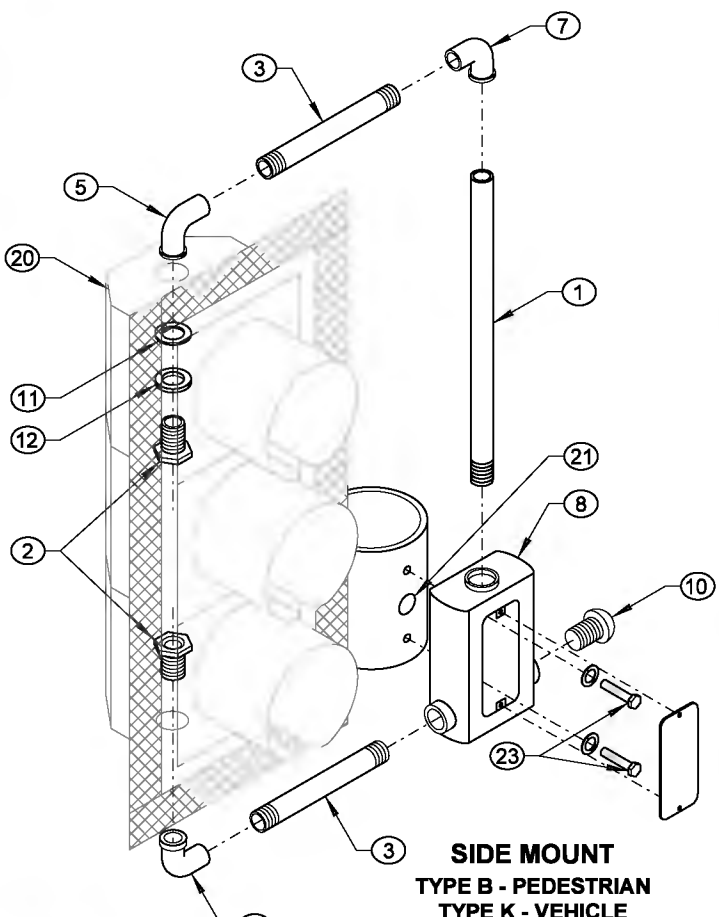
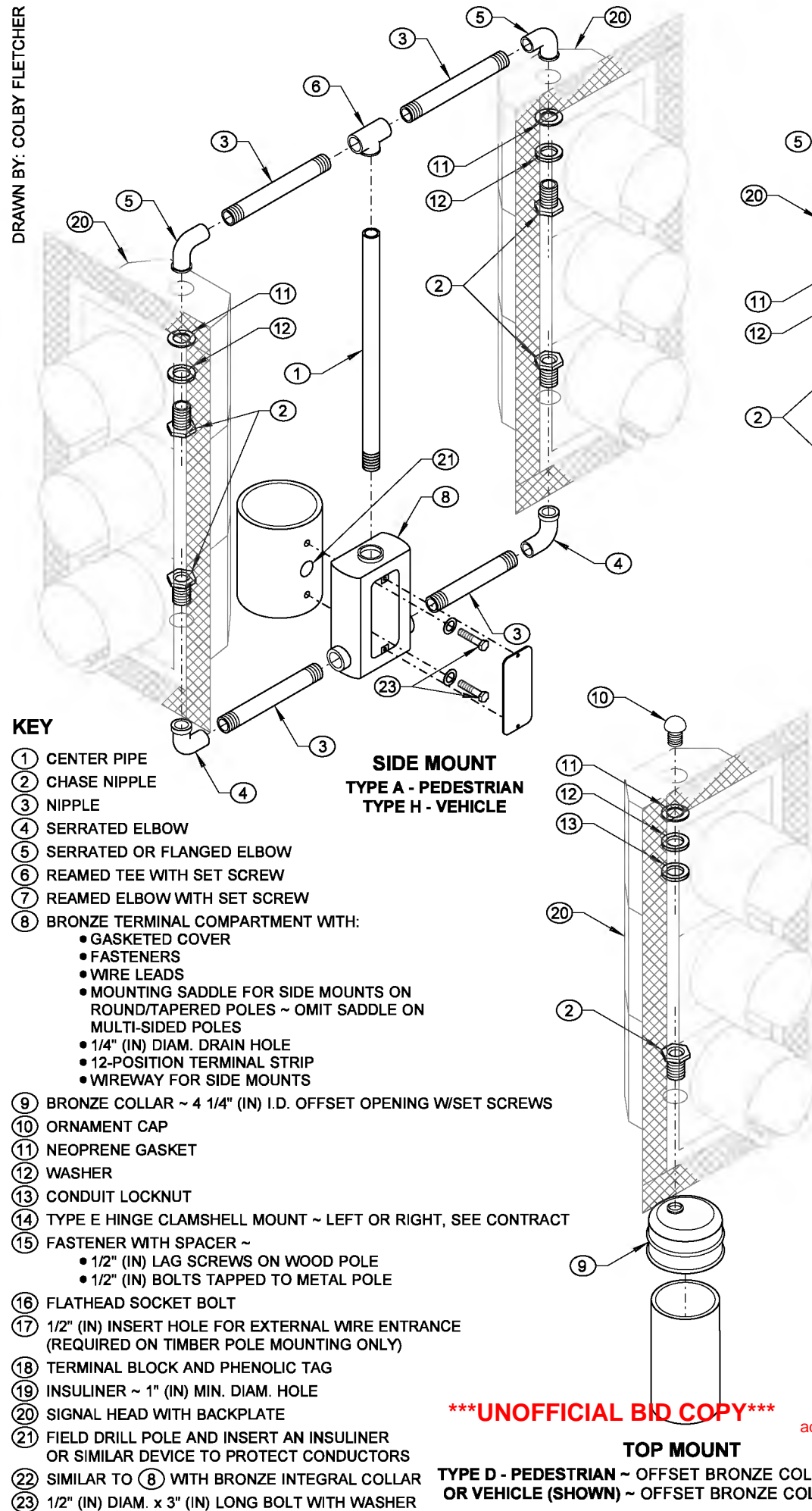
01-23-07

DATE

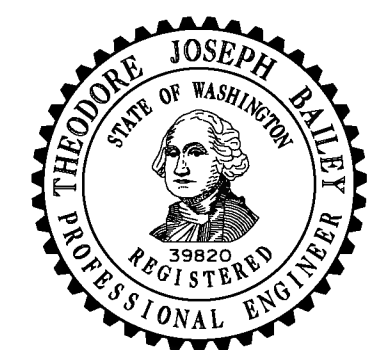


Washington State Department of Transportation

DRAWN BY: COLBY FLETCHER



- NOTES**
1. See Contract for head type, mounting height, and orientation.
 2. All nipples, fittings, and center pipes shall be 1 1/2" (in) diameter.
 3. Install neoprene gasket inside head when flanged elbows are supplied.
 4. Extend wire sheath a minimum of 1" (in) inside all signal and sign housings and terminal compartments.
 5. Apply bead of silicone to the serrated ring and around the perimeter of all top openings prior to installation of fittings.
 6. See **Standard Specification 9-29.16** for backplate requirements. Where required, prismatic sheeting shall be applied in accordance with the manufacturer's recommendations. The application surface of the backplate shall be cleaned, degreased with isopropyl alcohol, and dried prior to application of the sheeting.
 7. Drill a 1/4" (in) drain hole in the bottom of each signal display assembly, and one in the bottom of each pedestrian head. When signal display assembly is mounted horizontally, drill a 1/4" (in) drain hole at the lowest point of each section of the signal assembly.



SIGNAL HEAD MOUNTING
DETAILS ~ POLE AND POST
TOP MOUNTINGS
STANDARD PLAN J-75.10-02

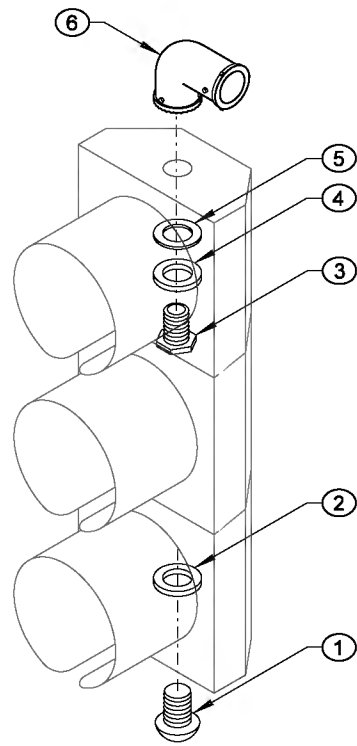
SHEET 1 OF 1 SHEET

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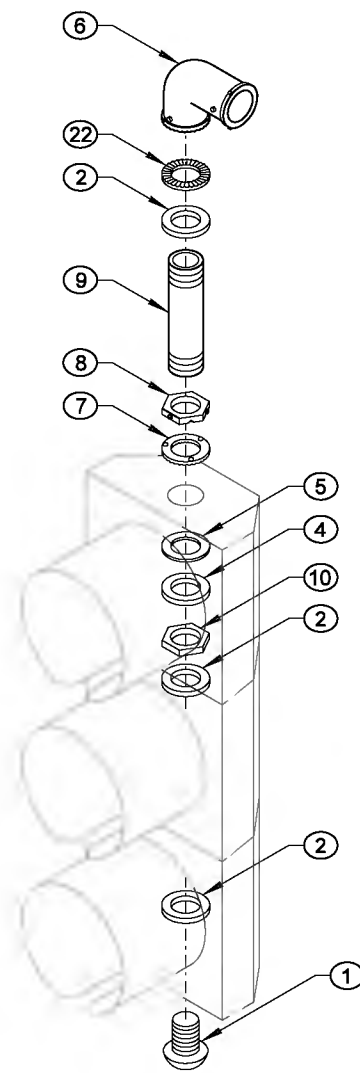
UNOFFICIAL BID COPY Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

KEY

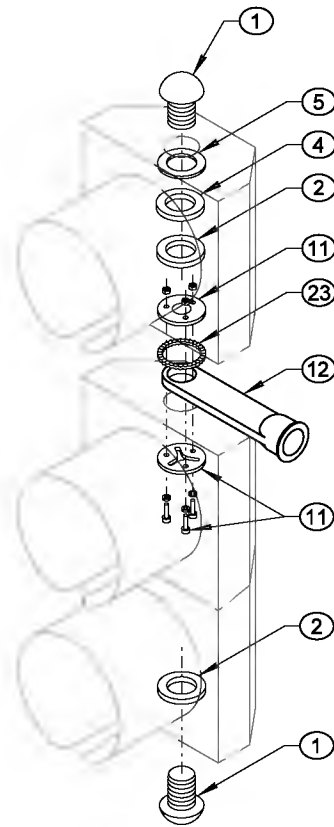
- ① END CAP
- ② 1 1/2" (IN) DIAM. CONDUIT LOCKNUT
- ③ 1 1/2" (IN) DIAM. CHASE NIPPLE
- ④ STEEL WASHER
- ⑤ NEOPRENE GASKET
- ⑥ BRONZE SERRATED ELL FITTING WITH:
 - 3/8" (IN) STAINLESS STEEL THROUGH BOLT AND NUTS
 - THREE STAINLESS STEEL SET SCREWS AT SLIPFITTER CONNECTION
 - THREE ALLEN HEAD STAINLESS STEEL SET SCREWS AT CONDUIT NIPPLE CONNECTION
- ⑦ SERRATED RING WITH PINS
- ⑧ HEX LOCKNUT WITH:
 - TWO ALLEN HEAD STAINLESS STEEL SET SCREWS
 - PIN RECEPTACLES
- ⑨ 1 1/2" (IN) DIAM. CONDUIT NIPPLE
- ⑩ 1 1/2" (IN) DIAM. HEX LOCKNUT
- ⑪ MOUNTING ASSEMBLY
- ⑫ BRONZE ELEVATOR PLUMBIZER WITH 3/8" (IN) STAINLESS STEEL THROUGH BOLT, WASHERS, AND TWO NUTS
- ⑬ ALUMINUM ARM WITH SET SCREW
- ⑭ SLOTTED TUBE WITH CLOSURE STRIP
- ⑮ 2 1/2" (IN) I.D. MIN. TUBE CLAMP
- ⑯ INTERNALLY THREADED CLAMP ASSEMBLY WITH:
 - TWO SET SCREWS
 - 1/2" (IN) x 0.045" (IN) STAINLESS STEEL BANDS
 - 7/16" (IN) SCREW BUCKLES WITH SWIVELS, NUTS, AND WASHERS
 - BAND CLIPS WITH ALLEN HEAD STAINLESS STEEL SET SCREWS
- ⑰ BRONZE MESSENGER HANGER WITH:
 - 1/2" (IN) DIAM. J-BOLTS
 - CABLE LOCK BAR
 - RIVET
 - COTTER KEY
- ⑱ BRONZE INTERNALLY THREADED WIRE ENTRANCE WITH:
 - BUSHING INSERT OR RUBBER GROMMET
 - ALLEN HEAD STAINLESS STEEL SET SCREW
- ⑲ BRONZE BALANCE ADJUSTER (WHERE REQUIRED)
- ⑳ MULTI-HEAD MOUNTING ASSEMBLY
- ㉑ LOWER ARM ASSEMBLY
- ㉒ SERRATED RING WITH NO PINS
- ㉓ SERRATED WASHER
- ㉔ 1 1/2" (IN) DIAM. SERRATED OR FLANGED ELBOW
- ㉕ CENTER SUPPORT WITH 1 1/2" (IN) DIAM. HUBS WITH COVER CAPS
- ㉖ 1 1/2" (IN) DIAM. SERRATED COUPLING
- ㉗ 1 1/2" (IN) BREAKAWAY TETHER ASSEMBLY WITH OPTIONAL EXTENDER BAR
- ㉘ SERRATED CROSS



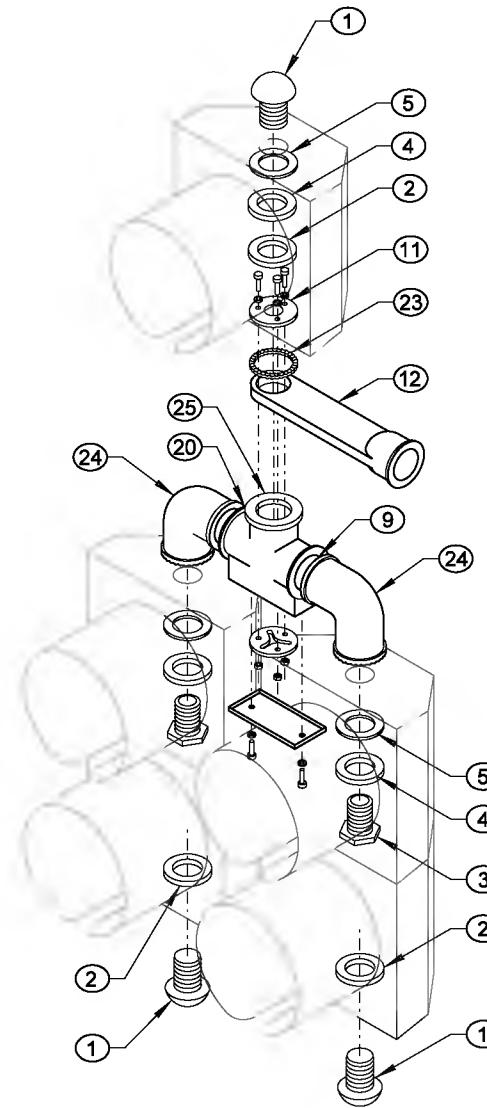
ARM MOUNT TYPE L



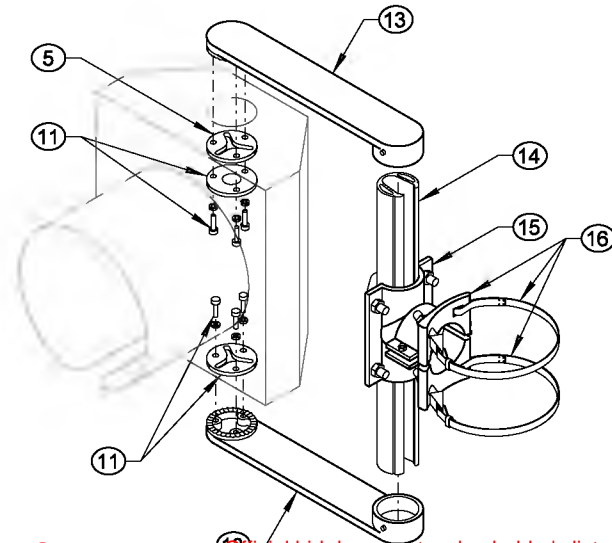
ARM MOUNT TYPE LE



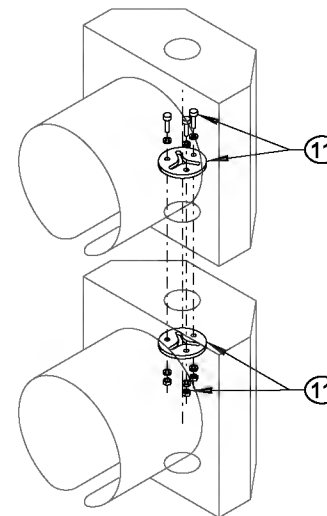
ARM MOUNT TYPE M



ARM MOUNT TYPE M-5S (TYPE M WITH 5-SECTION HEAD)



ARM MOUNT TYPE N

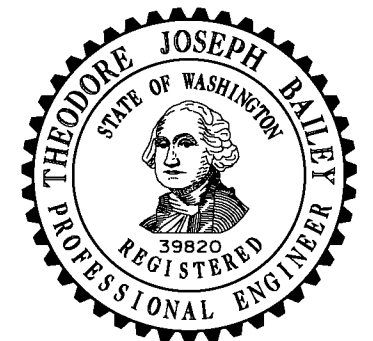


HOUSING FIXTURE CONNECTION DETAIL

NOTES

1. Type M mounting shall have "O" ring groove and seal on top and bottom of signal attachment.
2. Type M mounting for conventional heads shall have a 2" (in) diameter opening at the signal attachment.
3. Type M mounting for optically programmed heads shall have a 3 1/2" (in) diameter opening at the signal attachment.
4. Type N mounting with optically programmed heads shall be installed with 14" (in) nominal arms.
5. See **Standard Plan J-75.30** for tether wire and backplate requirements.
6. Apply bead of silicone around the perimeter of all top end cap openings prior to installation of the end cap assembly.
7. See **Standard Specification 9-29.16** for backplate requirements. Where required, prismatic sheeting shall be applied in accordance with the manufacturer's recommendations. The application surface of the backplate shall be cleaned, degreased with isopropyl alcohol, and dried prior to application of the sheeting.
8. Drill a 1/4" (in) drain hole in the bottom of each signal assembly. When signal display assembly is mounted horizontally, drill a 1/4" (in) drain hole at the lowest point of each section of the signal assembly.

NOTE: BACKPLATES NOT SHOWN FOR CLARITY



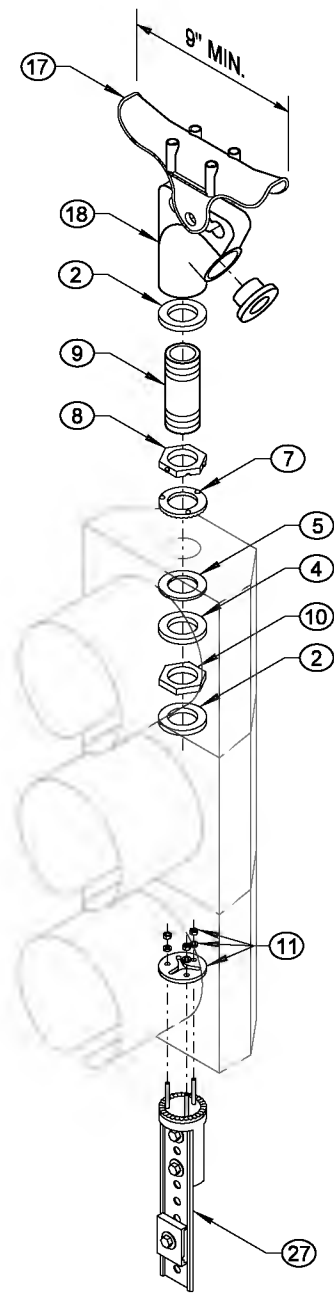
SIGNAL HEAD MOUNTING DETAILS ~ MAST ARM AND SPAN WIRE MOUNTINGS
STANDARD PLAN J-75.20-01

SHEET 1 OF 2 SHEETS

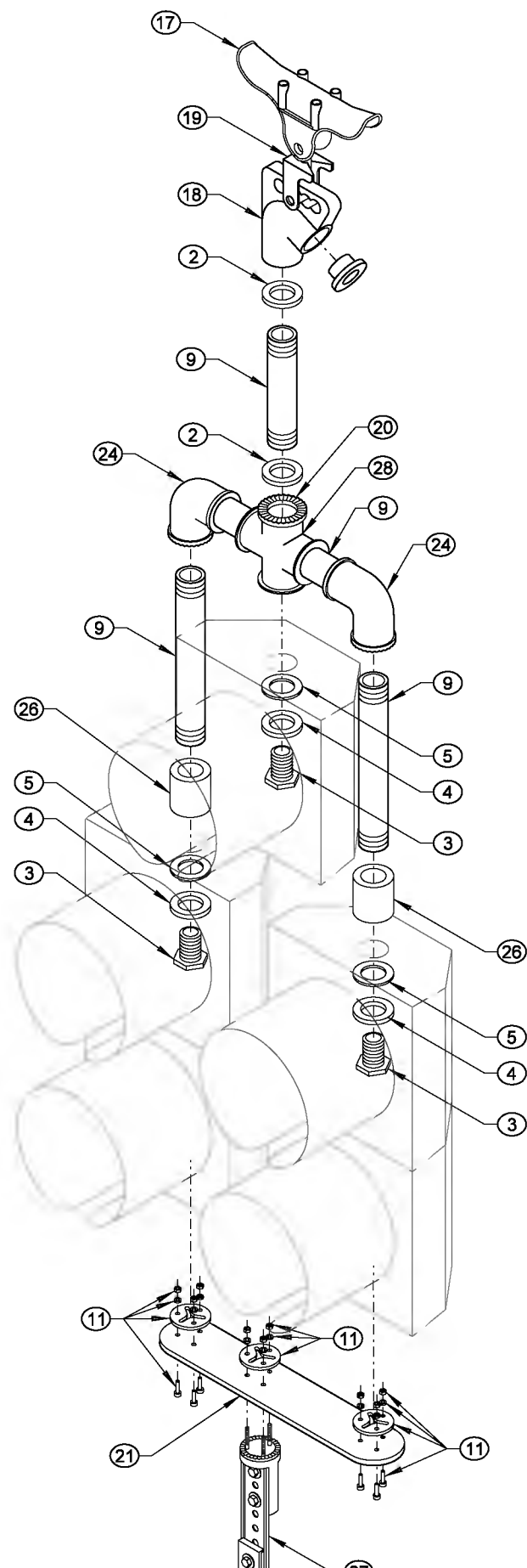
APPROVED FOR PUBLICATION

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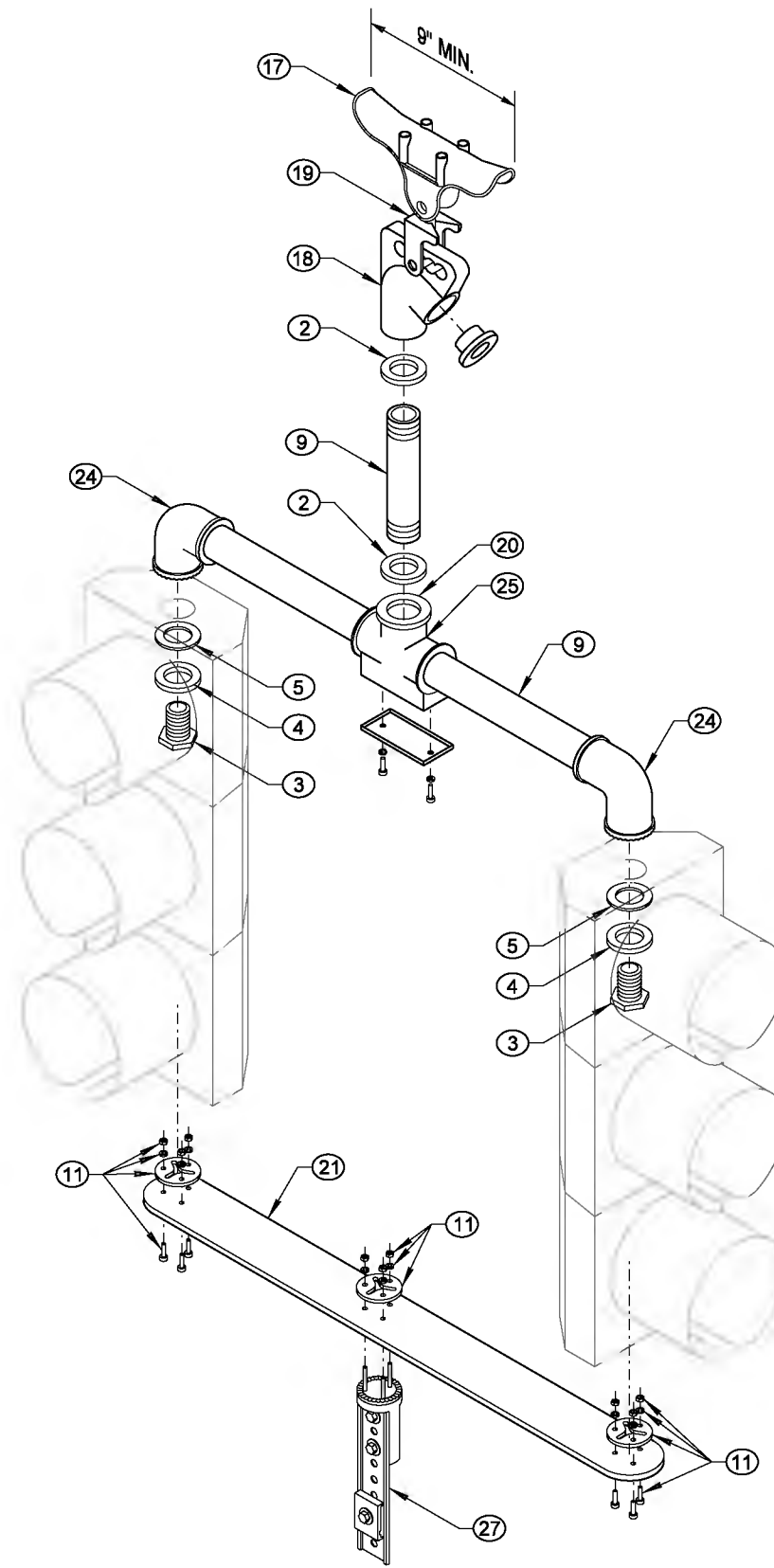
Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com



**SPAN WIRE
TYPE P (1 HEAD)**

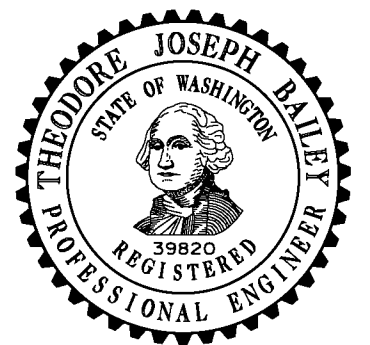


**SPAN WIRE
TYPE P-5S
(TYPE P WITH 5-SECTION HEAD)**



**SPAN WIRE
TYPE Q (2 HEADS)
TYPE R (3 HEADS)
TYPE S (4 HEADS)**

**NOTE: BACKPLATES NOT SHOWN
FOR CLARITY**



**SIGNAL HEAD MOUNTING
DETAILS ~ MAST ARM AND
SPAN WIRE MOUNTINGS
STANDARD PLAN J-75.20-01**

SHEET 2 OF 2 SHEETS

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 Washington State Department of Transportation

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**REPAIR PROCEDURE - BOLT HOLE SIZE 1/2" (IN) DIAMETER OR LESS ~
PIPE TRADE SIZE 1/2" (IN) OR LESS**

REPAIR PROCEDURE - MAXIMUM HOLE SIZE 3" (IN) DIAMETER OR LESS

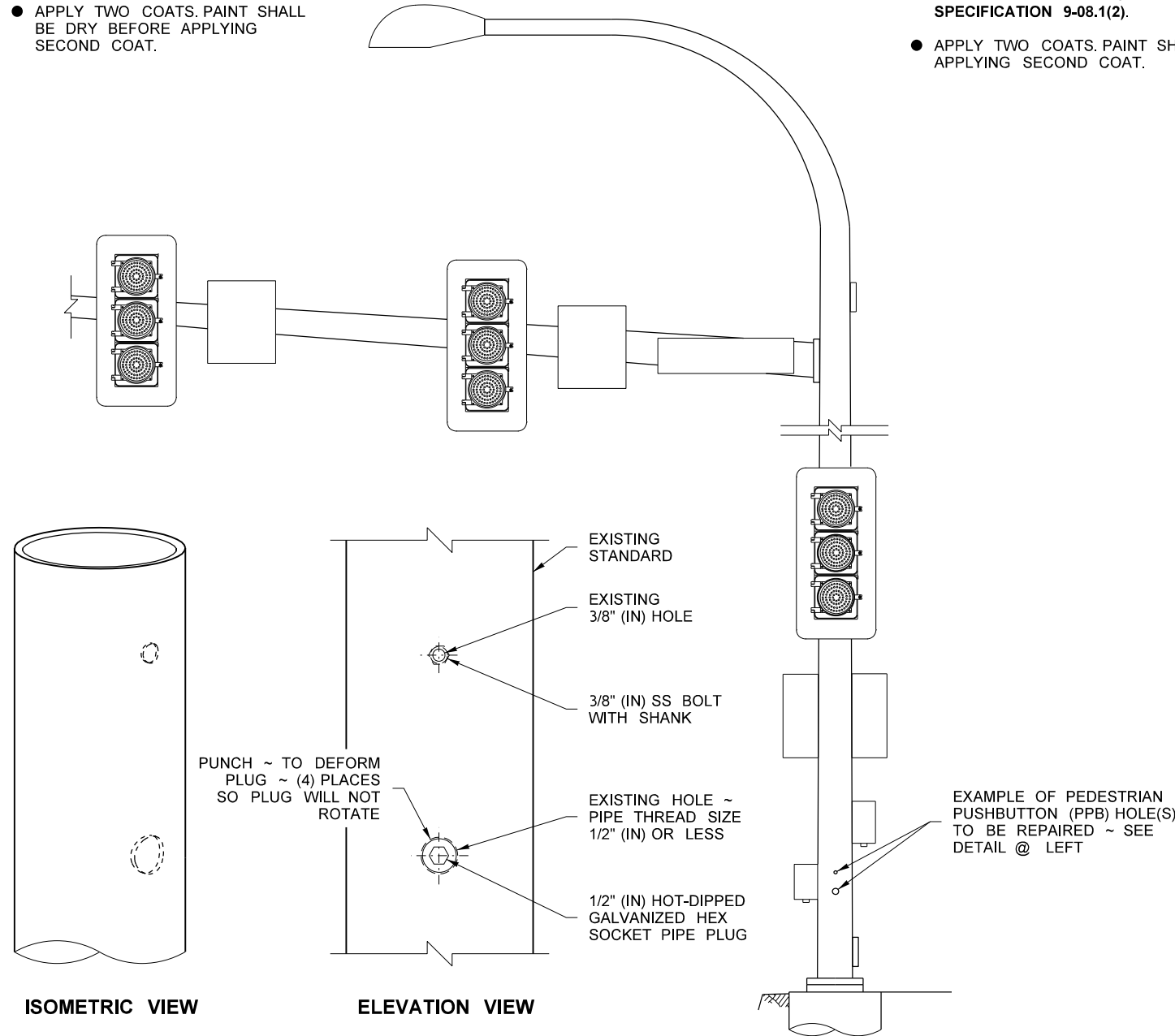
FOR UNC OR UNF THREADS:

- APPLY SILICONE CAULK TO THREADS OF SS BOLT WITH SHANK.
- TIGHTEN SS BOLT UNTIL SHANK IS TIGHT AGAINST STANDARD.
- CUT OFF SS BOLT EVEN WITH STANDARD.
- FILE SS BOLT TO MATCH CONTOUR OF STANDARD.
- TREAT SS BOLT AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
- APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

FOR NATIONAL PIPE THREADS:

- APPLY SILICONE CAULK TO THREADS OF HOT-DIPPED GALVANIZED HEX SOCKET PIPE PLUG.
- TIGHTEN PLUG UNTIL FLUSH WITH STANDARD.
- FILE PLUG TO MATCH CONTOUR OF STANDARD.
- FILL HEX SOCKET WITH PAINTABLE SILICONE CAULK.
- TREAT PLUG AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
- APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

- SUBMITTAL PER STANDARD SPECIFICATION 6-03.3(25).
- MAXIMUM HOLE SIZE 3" (IN) OR LESS IN DIAMETER.
- 1/8" (IN) STEEL PLATE - TYPE ASTM A - 36 ELECTRODE TYPE XX-70.
- THE PLATE SHALL BE 1/2" (IN) LARGER THAN THE DIAMETER OF THE HOLE TO BE REPAIRED (1/4" (IN) OVERLAP ALL SIDES).
- TACK WELD PLATE TO POLE.
- SHAPE PLATE TO MATCH TAPER AND CURVE OF POLE.
- 1/8" (IN) FILLET WELD ALL AROUND.
- CHAMFER (GRIND) EDGE OF PLATE SMOOTH. REMOVE ALL BURRS AND SHARP EDGES.
- TREAT PATCH PLATE AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
- APPLY TWO COATS. PAINT SHALL BE DRY PRIOR TO APPLYING SECOND COAT.

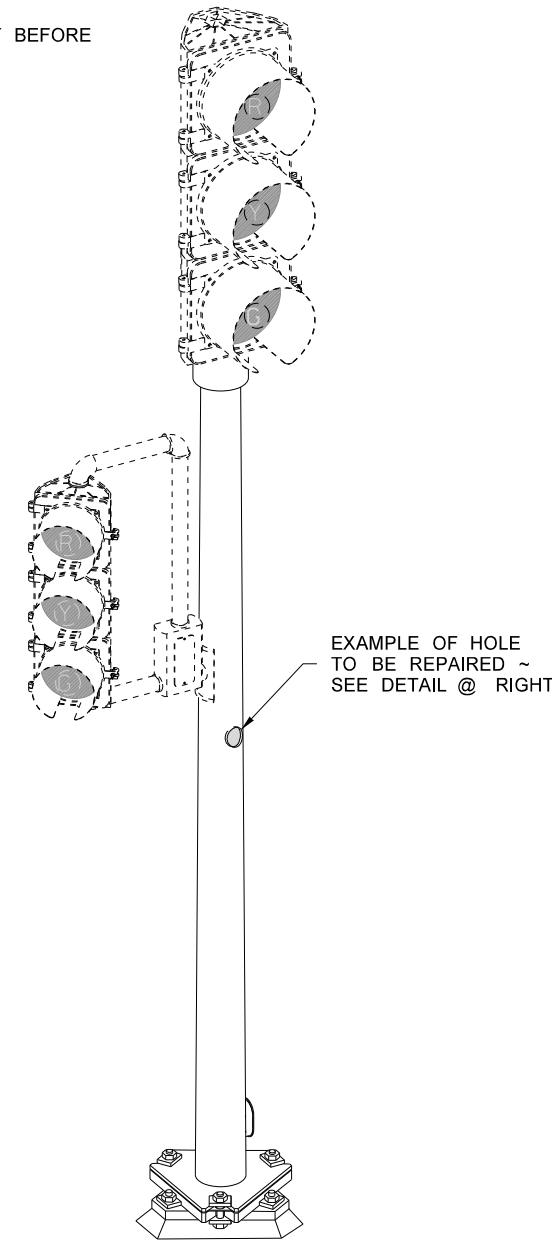


HOLE REPAIR DETAIL

EXAMPLE OF REPAIR FROM PPB LOCATION ~
1/2" (IN) DIAMETER AND 3/8" (IN) DIAMETER HOLES SHOWN

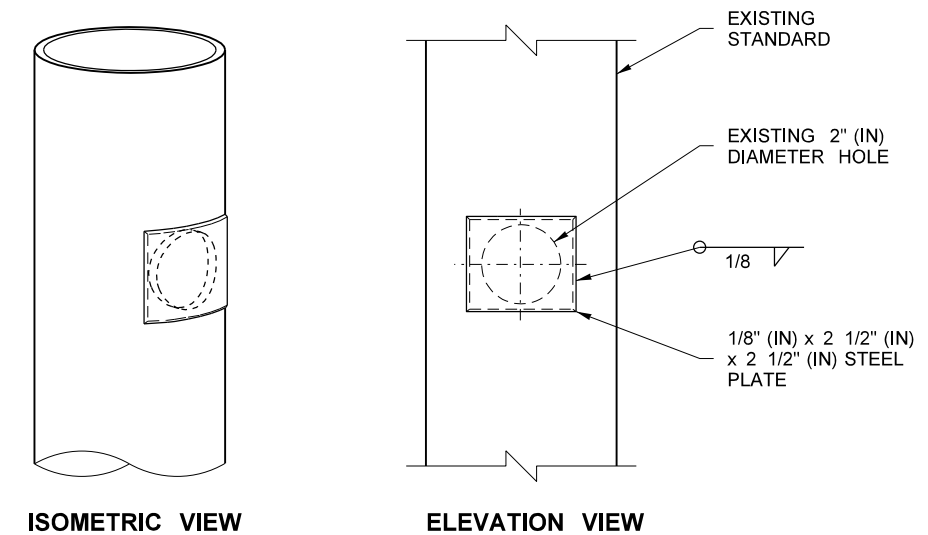
ELEVATION

(TYPE III SIGNAL STANDARD SHOWN)



PERSPECTIVE VIEW

(RAMP METER SIGNAL STANDARD
WITH SLIP BASE SHOWN)



HOLE REPAIR DETAIL

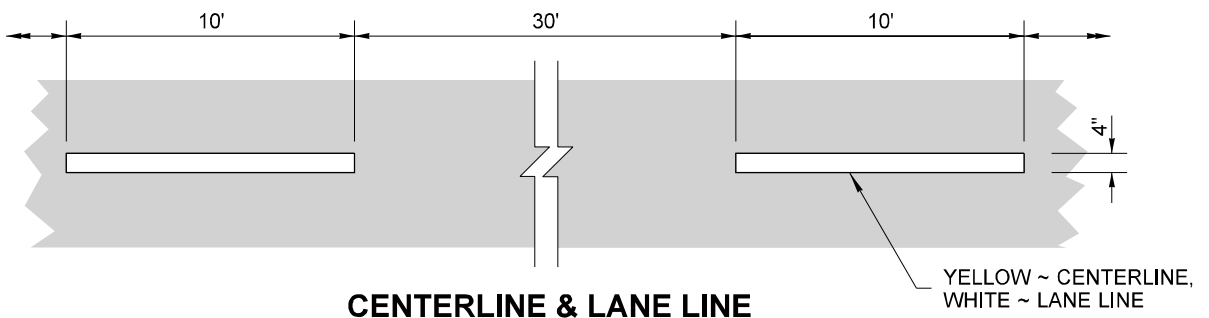
EXAMPLE WITH 2" (IN) DIAMETER HOLE SHOWN

FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\01-Published PSL\IS Illumination, Signals, and ITS\IS-17 Traffic Standard Hand Hole Repair Procedures\IS-17.dgn										Plot 1
TIME	1:41:37 PM										PLAN REF NO
DATE	10/6/2014										IS-17
PLOTTED BY	FletcCo										SHEET 1 OF 1 SHEETS
DESIGNED BY											
ENTERED BY											<p style="text-align: center;">Washington State Department of Transportation</p> <p style="text-align: center;">TRAFFIC STANDARD HOLE REPAIR PROCEDURE</p>
CHECKED BY											
PROJ. ENGR.											
REGIONAL ADM.											
REVISION	DATE	BY	REGION NO.	STATE	FED.AID PROJ.NO.	DATE	DATE	P.E. STAMP BOX	P.E. STAMP BOX	LOCATION NO.	

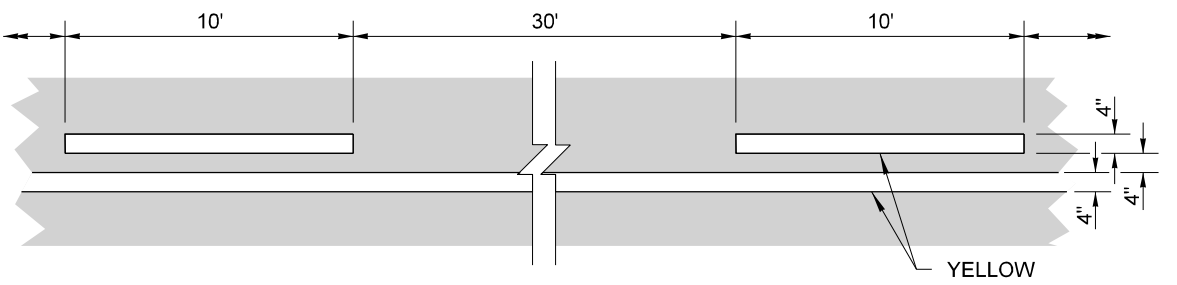
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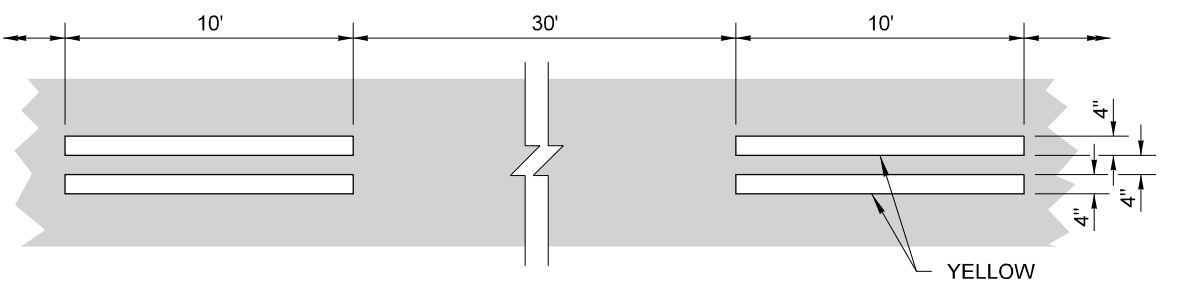
DRAWN BY: FERN LIDDELL



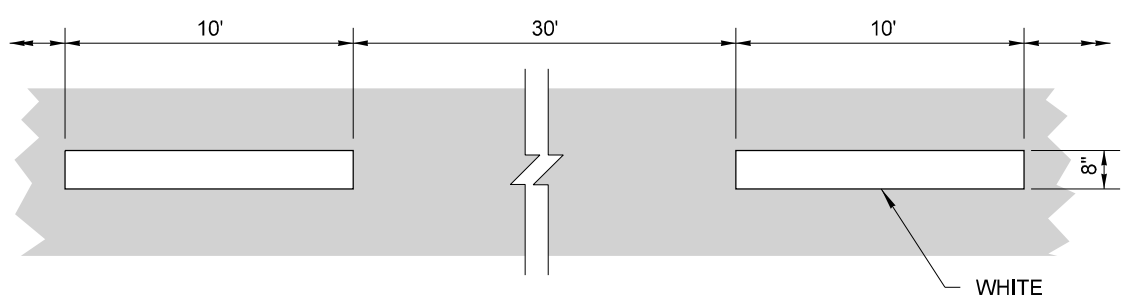
CENTERLINE & LANE LINE



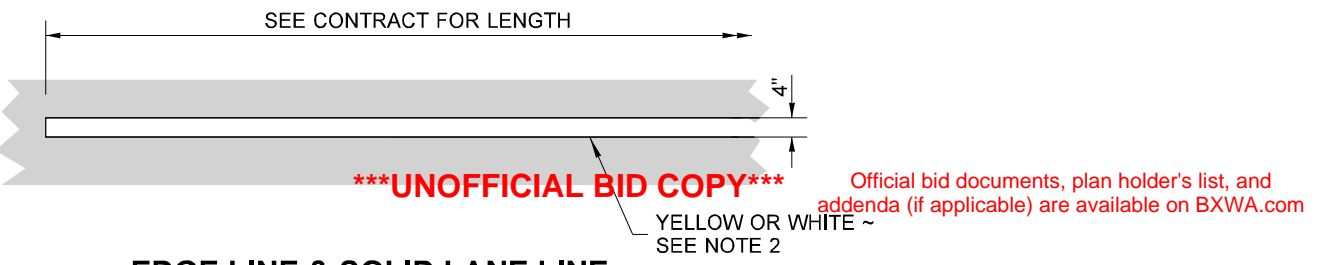
NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE



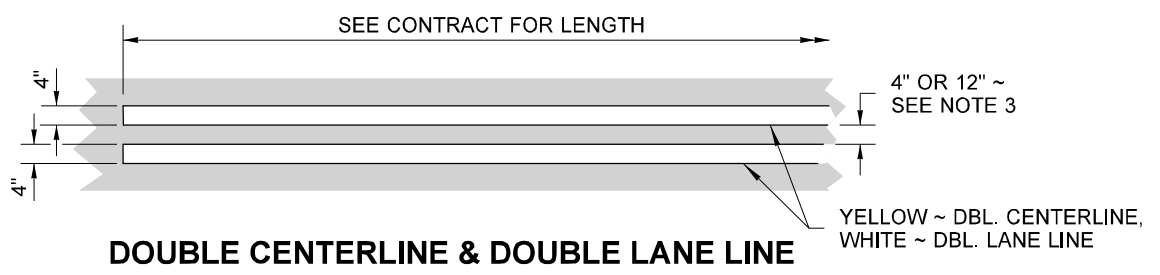
REVERSIBLE LANE LINE



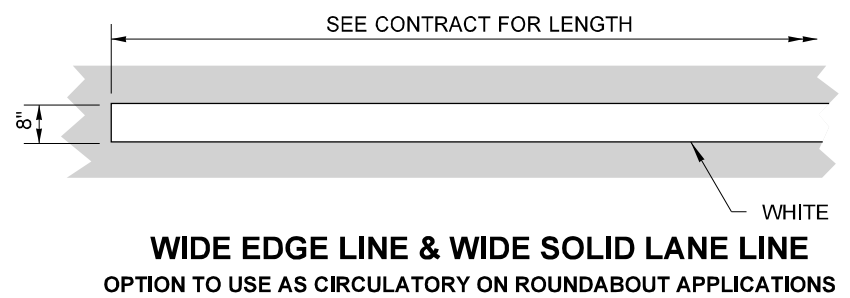
WIDE BROKEN LANE LINE



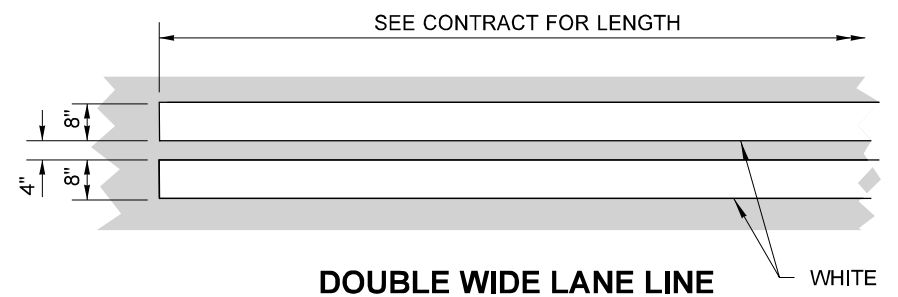
EDGE LINE & SOLID LANE LINE



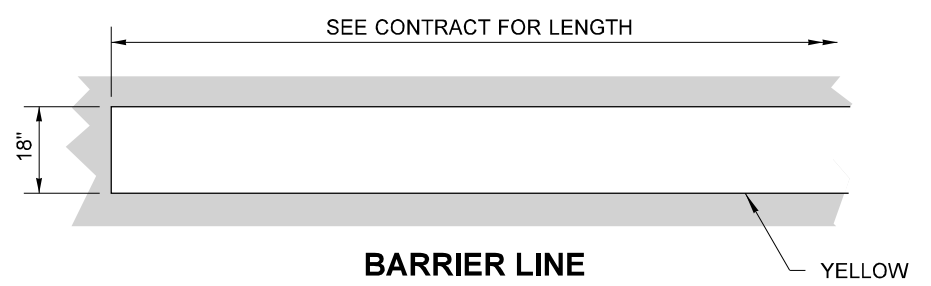
DOUBLE CENTERLINE & DOUBLE LANE LINE



WIDE EDGE LINE & WIDE SOLID LANE LINE
OPTION TO USE AS CIRCULATORY ON ROUNDABOUT APPLICATIONS



DOUBLE WIDE LANE LINE



BARRIER LINE

NOTES

1. Dotted Extension Line shall be the same color as the line it is extending.
2. Edge Line shall be white on the right edge of traveled way, and yellow on the left edge of traveled way (on one-way roadways). Solid Lane Line shall be white.
3. The distance between the lines of the Double Centerline shall be 12" everywhere, except 4" for left-turn channelization and narrow roadways with lane widths of 10 feet or less. Local Agencies (on non-state routes) may specify a 4" distance for all locations.
The distance between the lines of the Double Lane Line shall be 4".



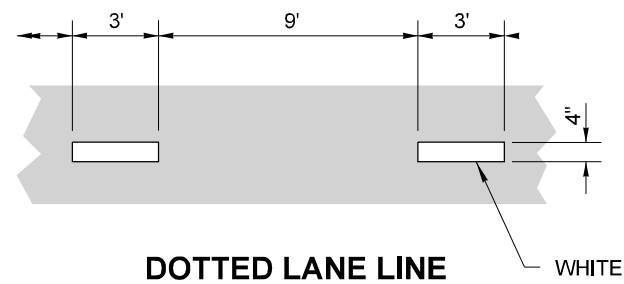
Aug 1, 2022

LONGITUDINAL MARKING PATTERNS
STANDARD PLAN M-20.10-04
 SHEET 1 OF 4 SHEETS

APPROVED FOR PUBLICATION
 Mark Gaines (Aug 2, 2022 10:17 PDT)
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

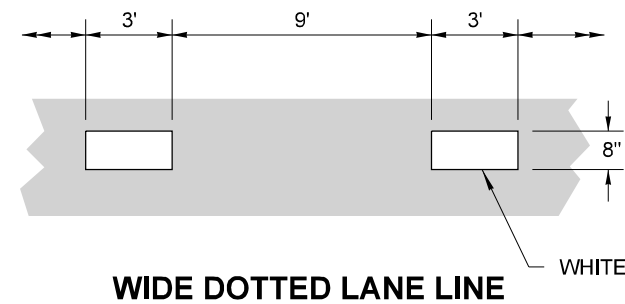
Aug 2, 2022

DRAWN BY: FERN LIDDELL



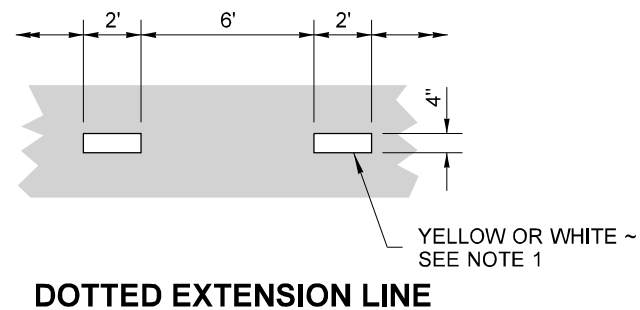
DOTTED LANE LINE

WHITE



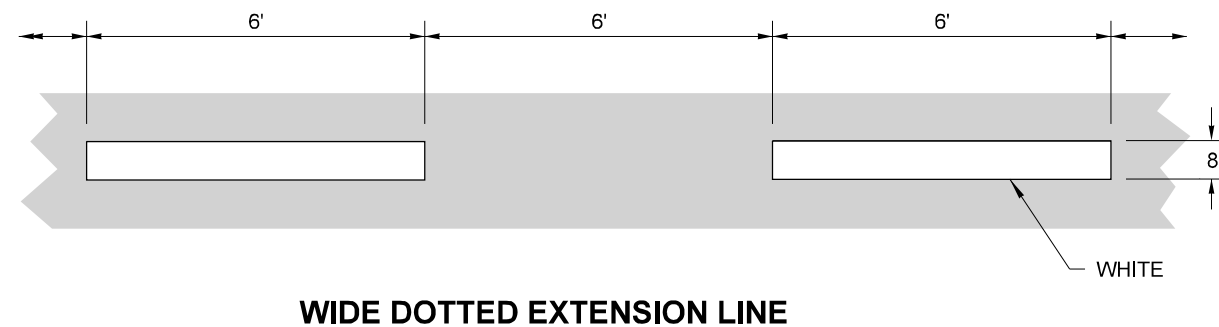
WIDE DOTTED LANE LINE

WHITE



DOTTED EXTENSION LINE

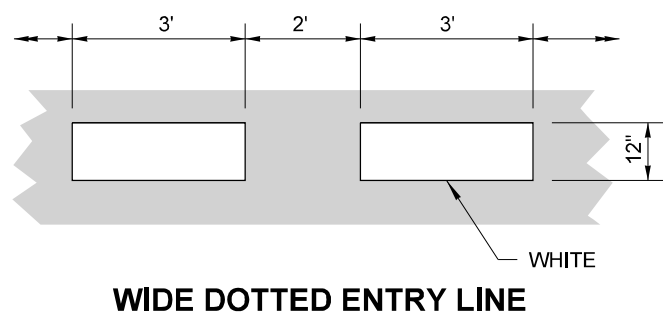
YELLOW OR WHITE ~
SEE NOTE 1



WIDE DOTTED EXTENSION LINE

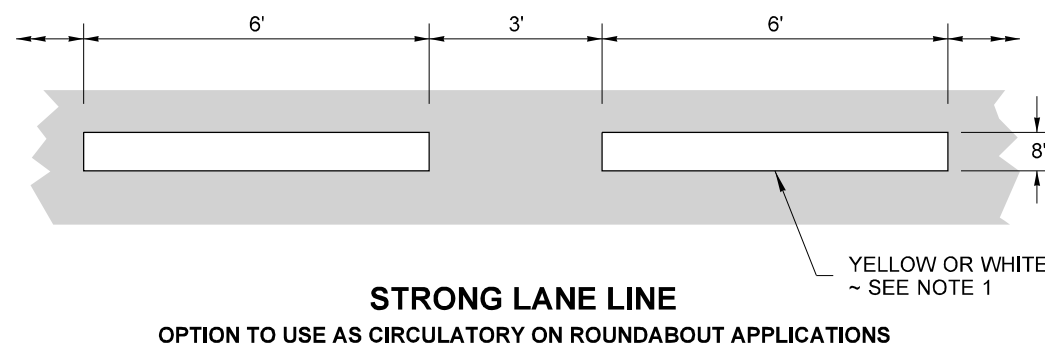
WHITE

ROUNDAOBOUT SPECIFIC LINES



WIDE DOTTED ENTRY LINE

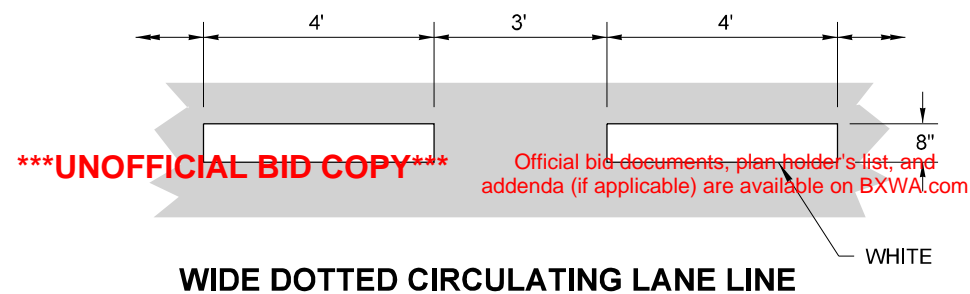
WHITE



STRONG LANE LINE

YELLOW OR WHITE
~ SEE NOTE 1

OPTION TO USE AS CIRCULATORY ON ROUNDAOBOUT APPLICATIONS



WIDE DOTTED CIRCULATING LANE LINE

WHITE

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Aug 1, 2022

LONGITUDINAL MARKING PATTERNS
STANDARD PLAN M-20.10-04

SHEET 2 OF 4 SHEETS

APPROVED FOR PUBLICATION

Mark Gaines
Mark Gaines (Aug 2, 2022 10:17 PDT)

Aug 2, 2022

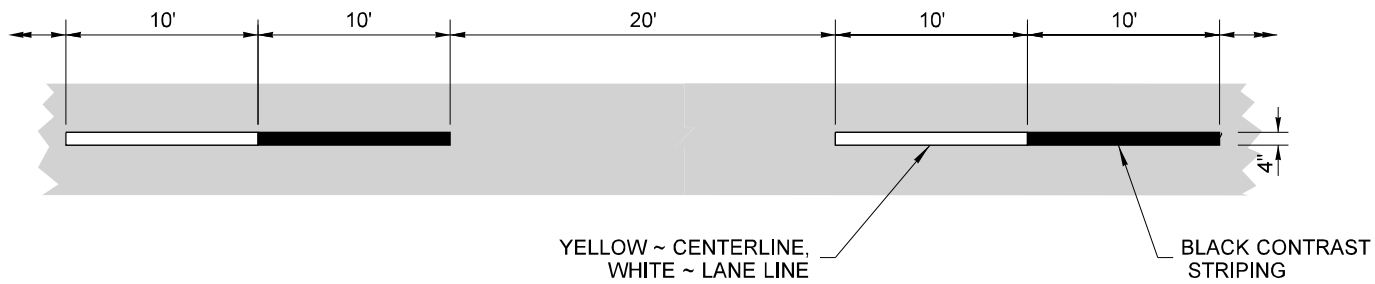
STATE DESIGN ENGINEER



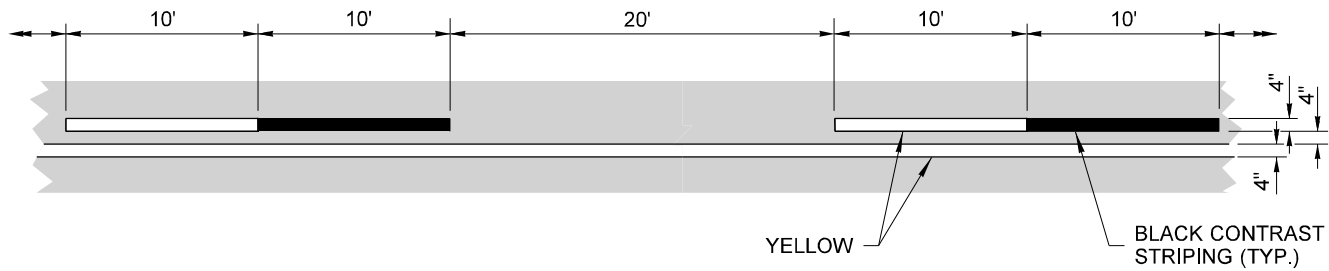
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL

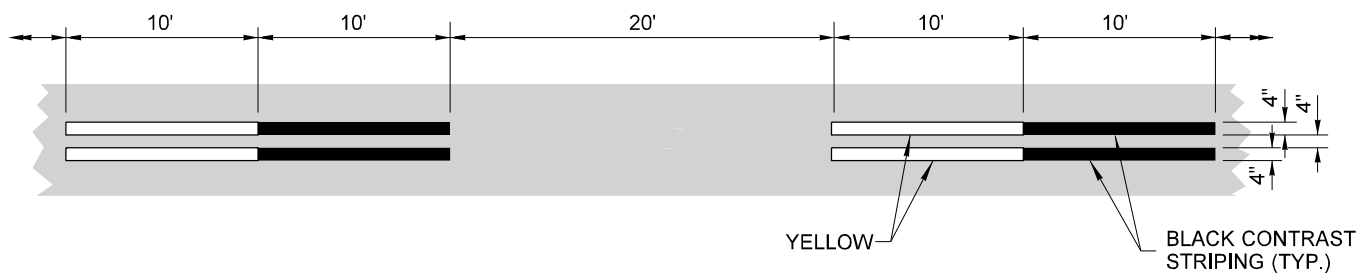
DIRECTION OF TRAFFIC
(TYPICAL)



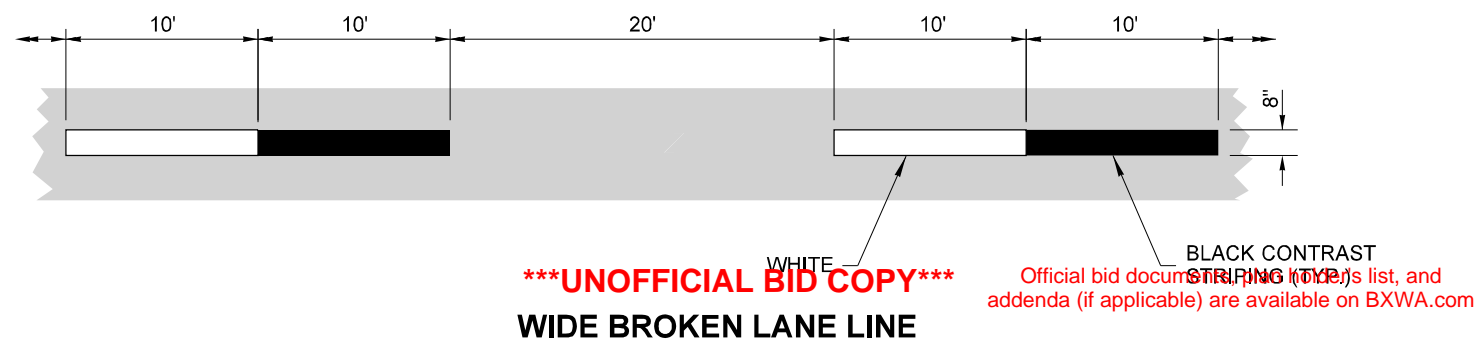
CENTERLINE & LANE LINE



NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE



REVERSIBLE LANE LINE

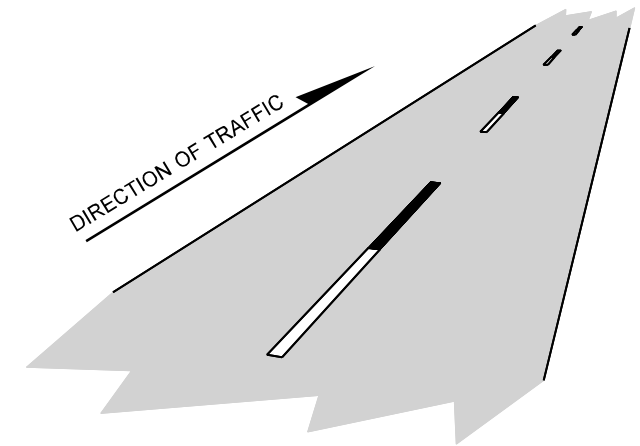


*****UNOFFICIAL BID COPY***
WIDE BROKEN LANE LINE**

Official bid documents, specifications list, and addenda (if applicable) are available on BXWA.com

NOTE

- 1. Dotted Extension Line shall be the same color as the line it is extending.



ISOMETRIC VIEW



Aug 1, 2022

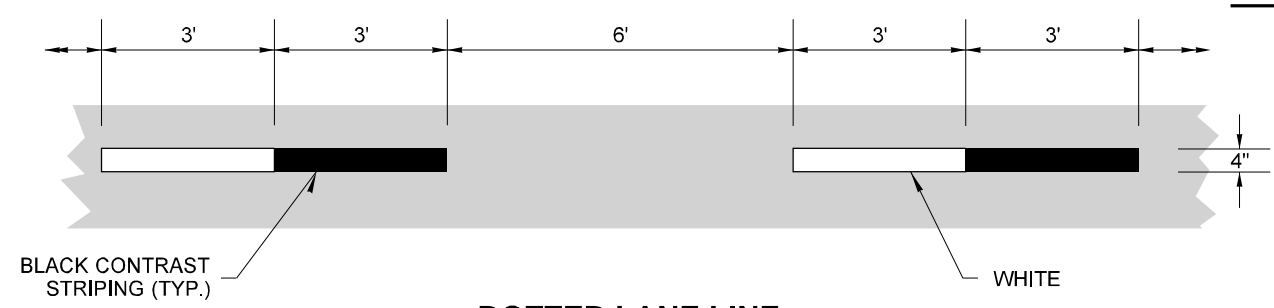
LONGITUDINAL MARKING PATTERNS
STANDARD PLAN M-20.10-04

SHEET 3 OF 4 SHEETS

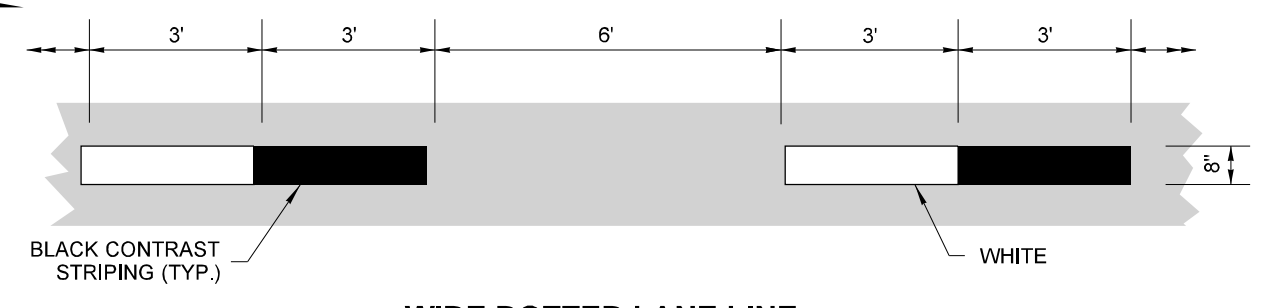
APPROVED FOR PUBLICATION
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DRAWN BY: FERN LIDDELL

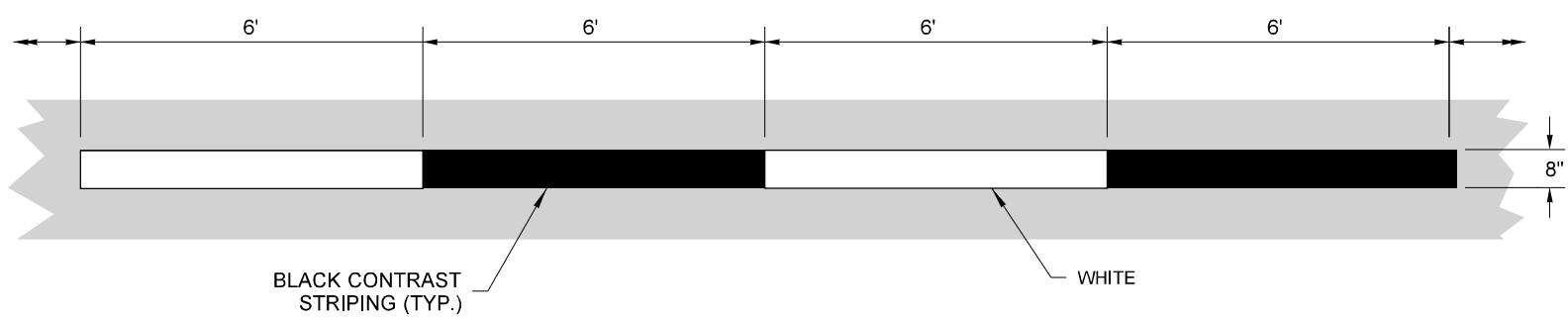
DIRECTION OF TRAFFIC
(TYPICAL) →



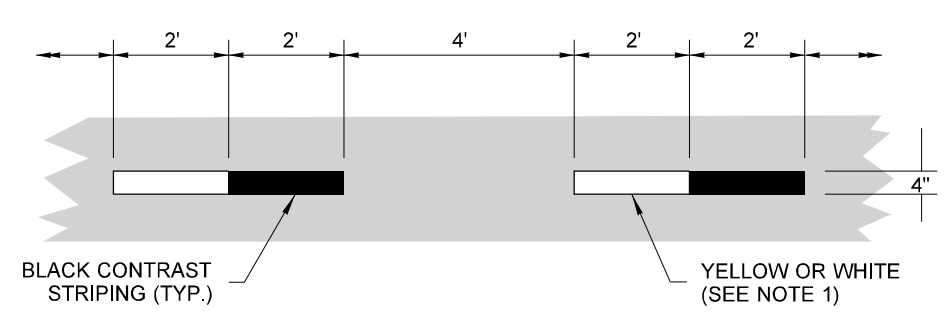
DOTTED LANE LINE



WIDE DOTTED LANE LINE

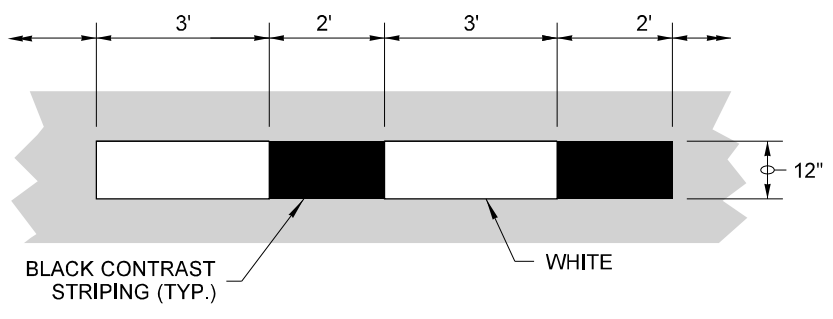


WIDE DOTTED EXTENSION LINE

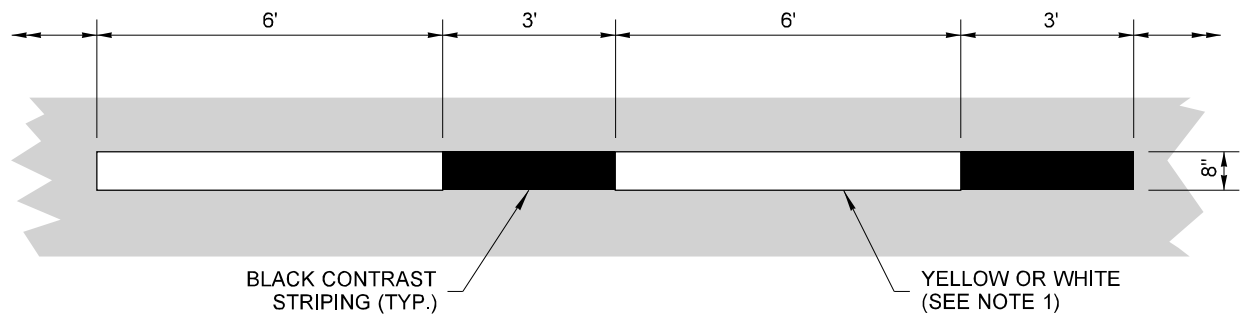


DOTTED EXTENSION LINE

ROUNDBABOUT SPECIFIC LINES

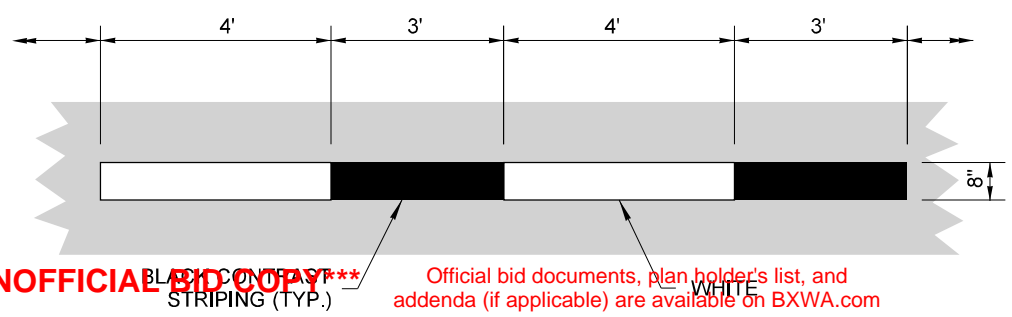


WIDE DOTTED ENTRY LINE



STRONG LANE LINE

OPTION TO USE AS CIRCULATORY ON ROUNDABOUT APPLICATIONS



WIDE DOTTED CIRCULATING LANE LINE

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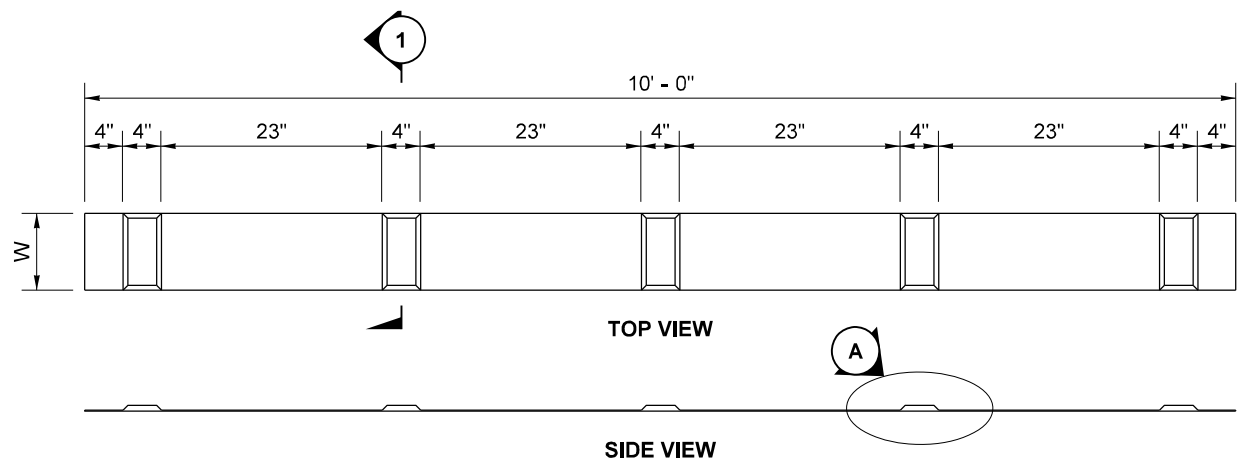


Aug 1, 2022

LONGITUDINAL MARKING PATTERNS
STANDARD PLAN M-20.10-04

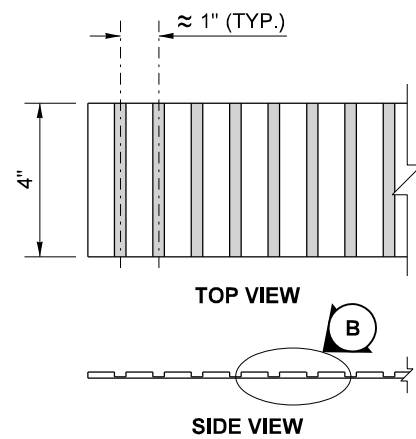
SHEET 4 OF 4 SHEETS

APPROVED FOR PUBLICATION
 Mark Gaines (Aug 2, 2022 10:17 PDT) Aug 2, 2022
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 Washington State Department of Transportation



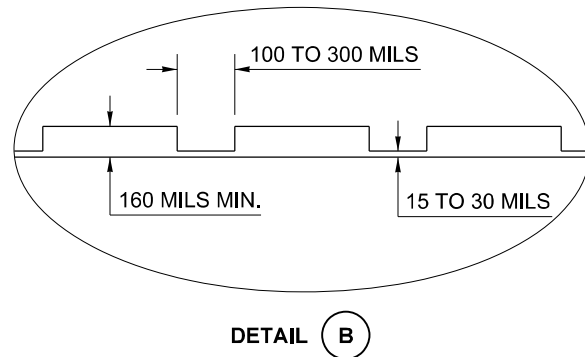
PROFILED PLASTIC
(BROKEN LINE)

FOR: CENTERLINE & LANE LINE ~ W = 4"
NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE ~ W = 4"
REVERSIBLE LANE LINE ~ W = 4"
WIDE BROKEN LANE LINE ~ W = 8"



EMBOSSSED PLASTIC
(SOLID OR BROKEN LINE)

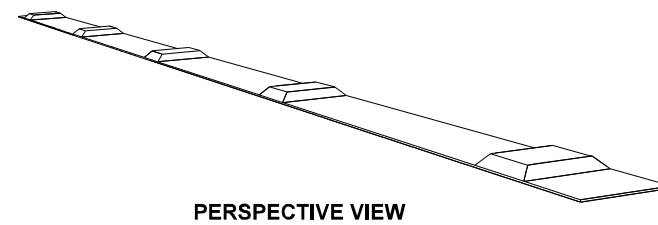
FOR: CENTERLINE & LANE LINE
NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE
REVERSIBLE LANE LINE
DOUBLE CENTERLINE & DOUBLE LANE LINE
EDGE LINE & SOLID LANE LINE



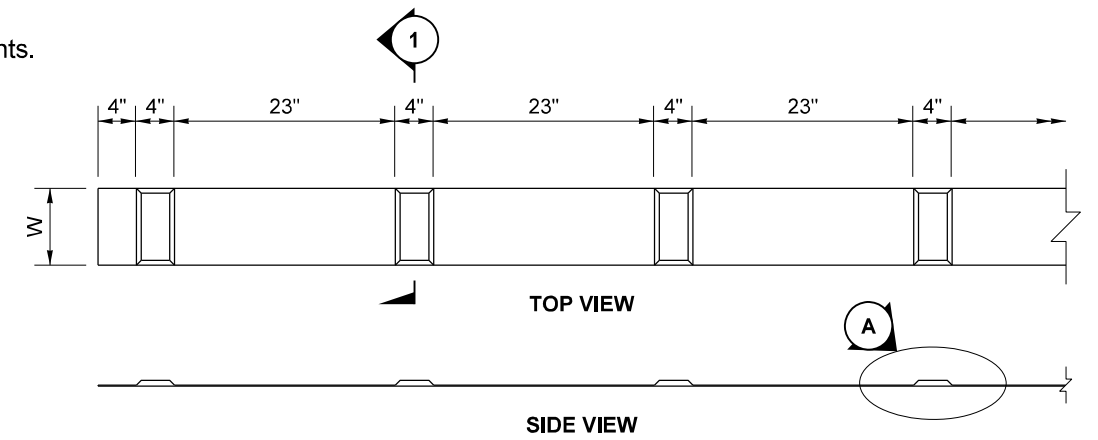
DETAIL B

GENERAL NOTE

See Standard Plan M-20.10 for pattern and color requirements.

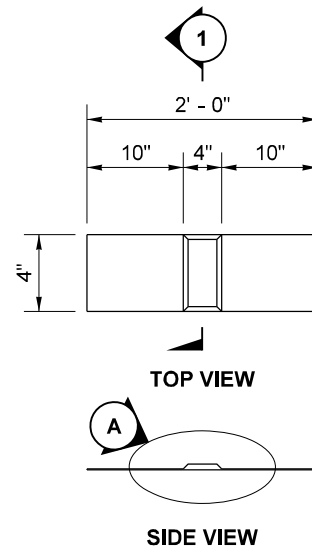


PERSPECTIVE VIEW

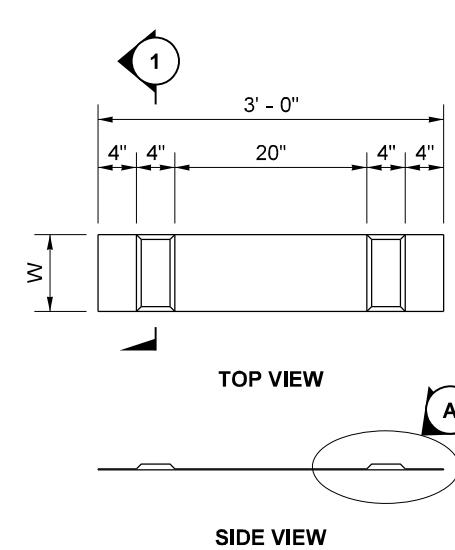


PROFILED PLASTIC
(SOLID LINE)

FOR: NO-PASS LINE ~ W = 4"
TWO-WAY LEFT-TURN CENTERLINE ~ W = 4"
DOUBLE CENTERLINE & DOUBLE LANE LINE ~ W = 4"
EDGE LINE & SOLID LANE LINE ~ W = 4"
WIDE LANE LINE & WIDE LINE ~ W = 8"
DOUBLE WIDE LANE LINE ~ W = 8"
BARRIER CENTERLINE ~ W = 20"

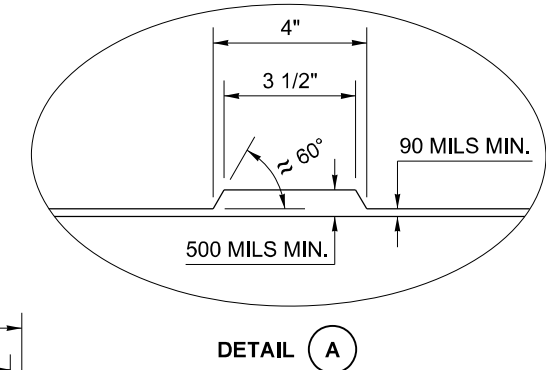


DOTTED EXTENSION LINE

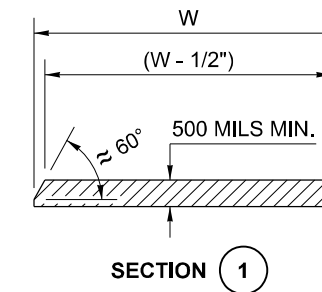


DOTTED LANE LINE ~ W = 4"
WIDE DOTTED LANE LINE ~ W = 8"

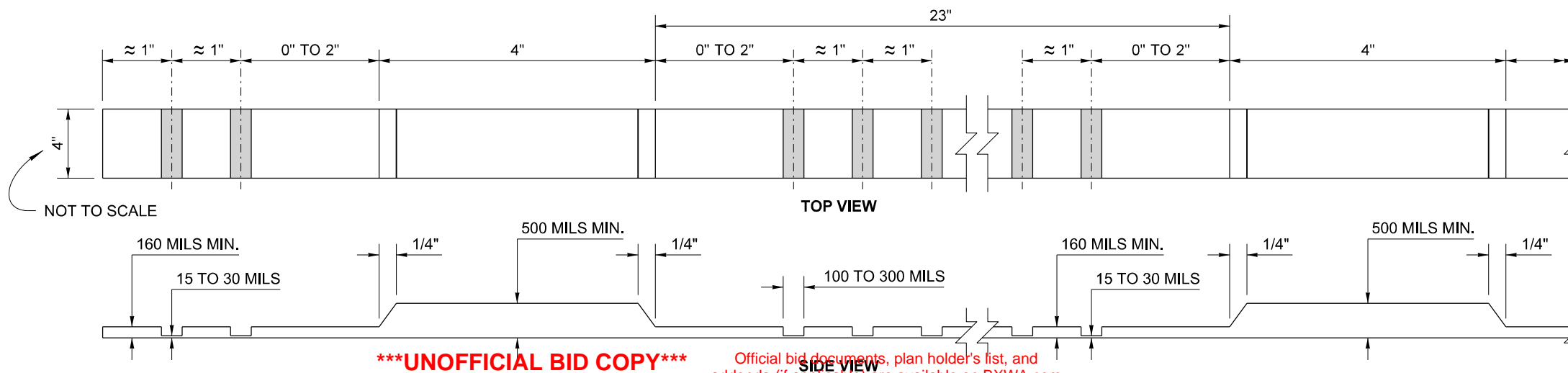
PROFILED PLASTIC
(BROKEN LINE)



DETAIL A



SECTION 1



PROFILED EMBOSSSED PLASTIC
(SOLID OR BROKEN LINE)

FOR: CENTERLINE & LANE LINE
NO-PASS LINE
TWO-WAY LEFT-TURN CENTERLINE
REVERSIBLE LANE LINE
DOUBLE CENTERLINE & DOUBLE LANE LINE
EDGE LINE & SOLID LANE LINE

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Walsh, Brian
Apr 16 2015 2:27 PM

PROFILED AND EMBOSSSED PLASTIC LINES

STANDARD PLAN M-20.20-02

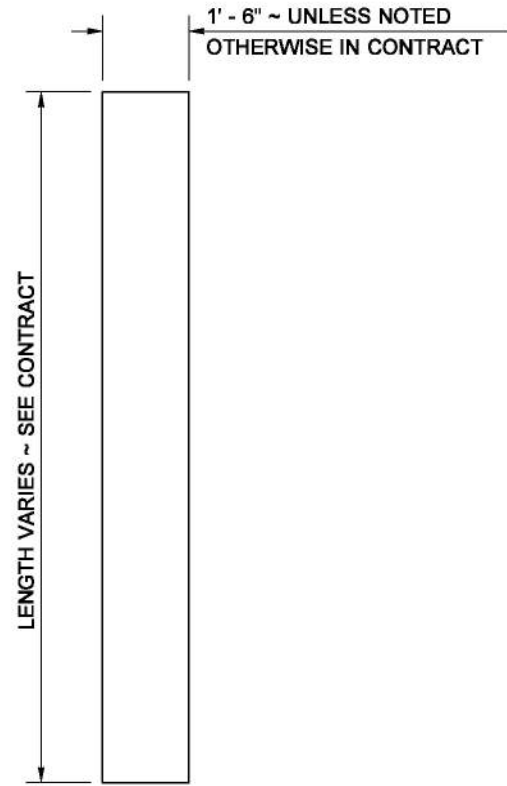
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

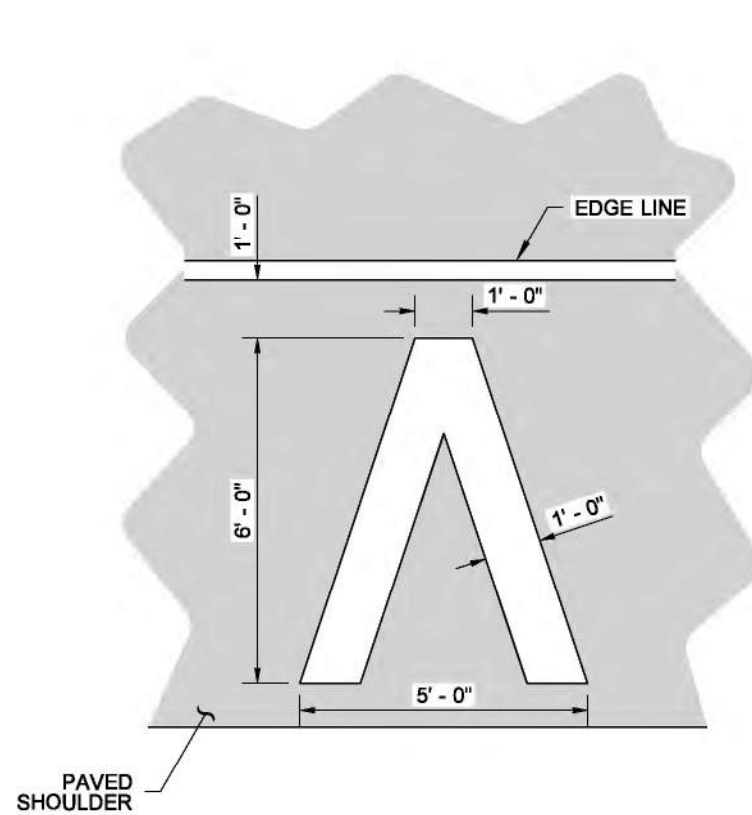
Apr 20 2015 10:07 AM

STATE DESIGN ENGINEER

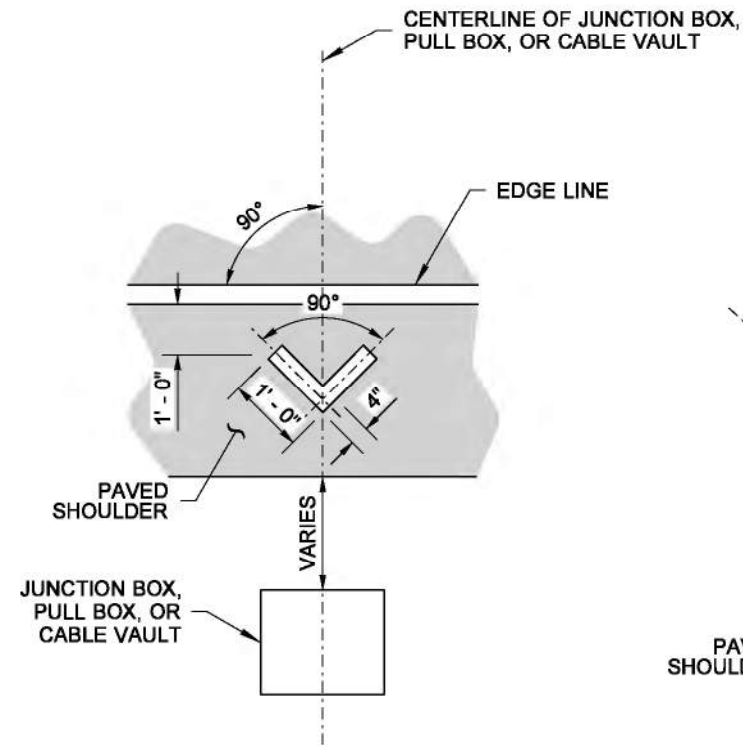
Washington State Department of Transportation



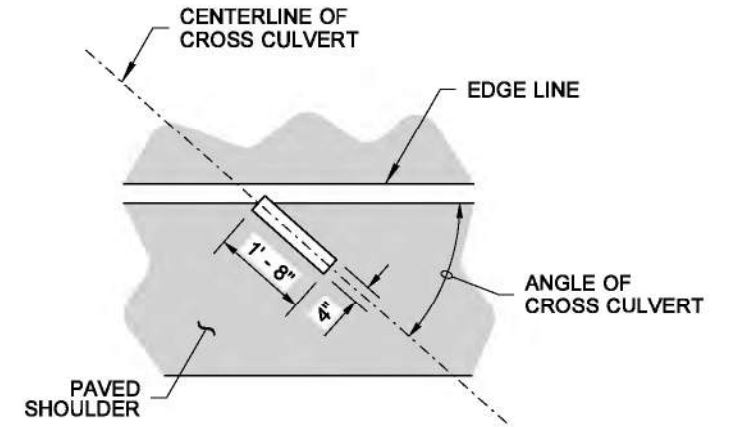
STOP LINE



MARKING AREA = 11.73 SQ.FT.
HALF-MILE MARKER

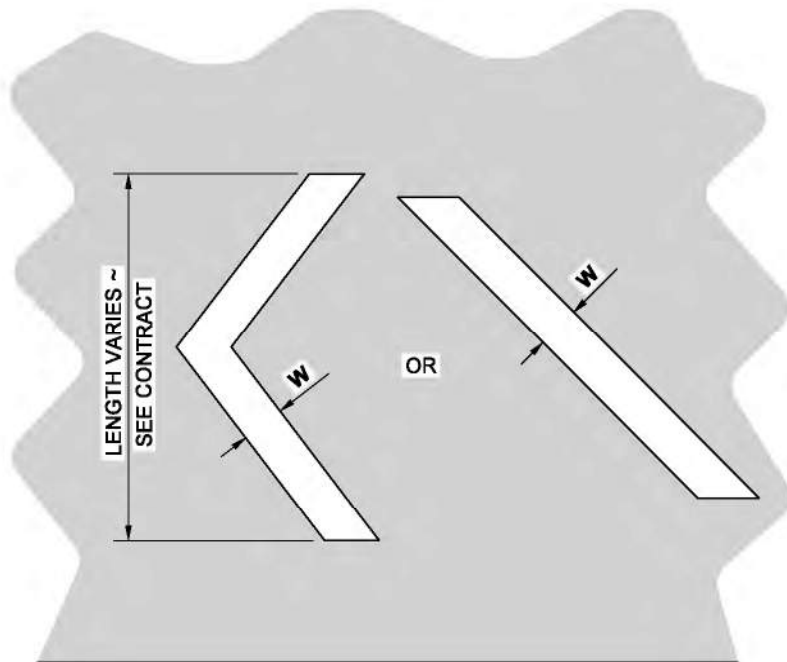


MARKING AREA = 0.56 SQ. FT.
JUNCTION BOX, PULL BOX, OR CABLE VAULT MARKINGS



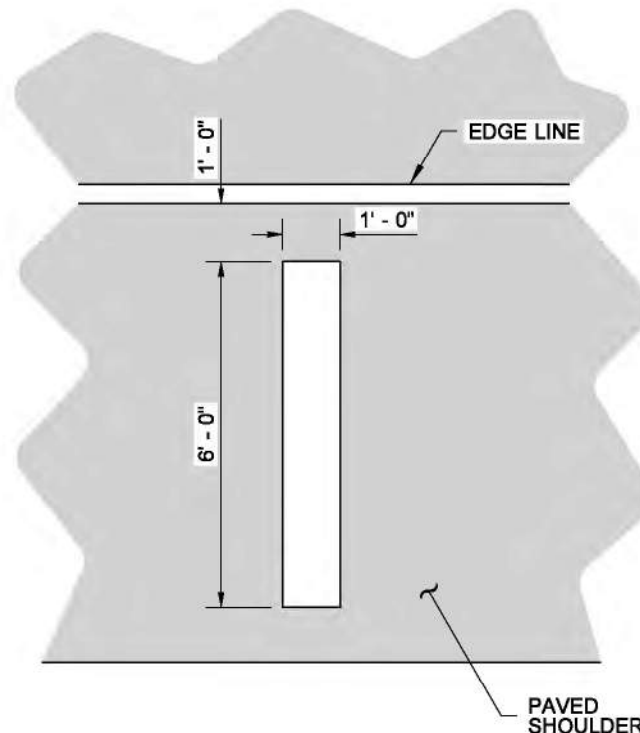
MARKING AREA = 0.56 SQ.FT.
CROSS CULVERT

DRAINAGE MARKING



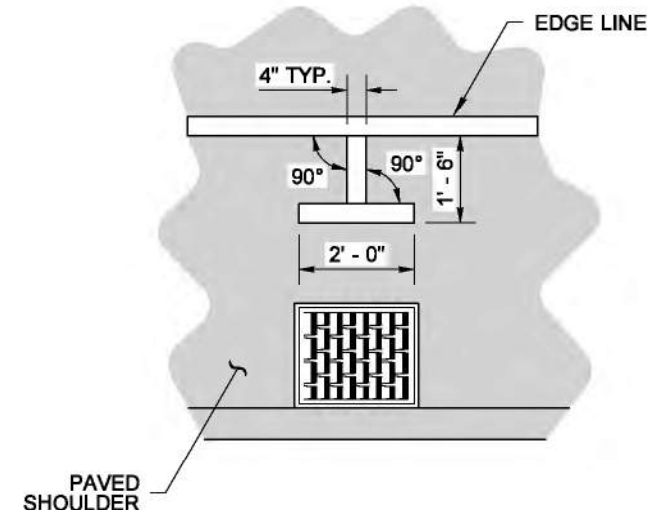
WHITE OR YELLOW ~ SEE CONTRACT
CHEVRON OR DIAGONAL

CROSSHATCH MARKING



MARKING AREA = 6.00 SQ.FT.
FULL MILE MARKER

AERIAL SURVEILLANCE MARKERS



MARKING AREA = 1.06 SQ.FT.
DRAINAGE STRUCTURE INLET

DRAINAGE MARKING

NOTE

1. If Rumble Strips are present, install marking outside of the Rumble Strip.

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W = 8" (IN) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER
W = 12" (IN) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER



Walsh, Brian
Jun 24 2014 2:35 PM

**SYMBOL MARKINGS
MISCELLANEOUS**

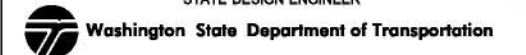
STANDARD PLAN M-24.60-04

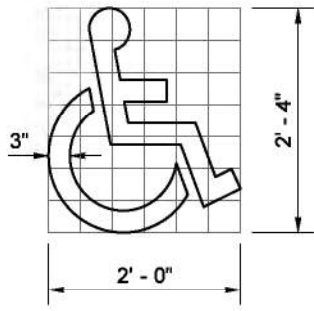
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Bakotich, Pasco
Jun 24 2014 4:43 PM

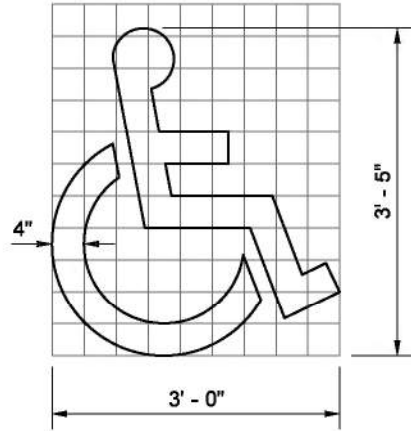
STATE DESIGN ENGINEER





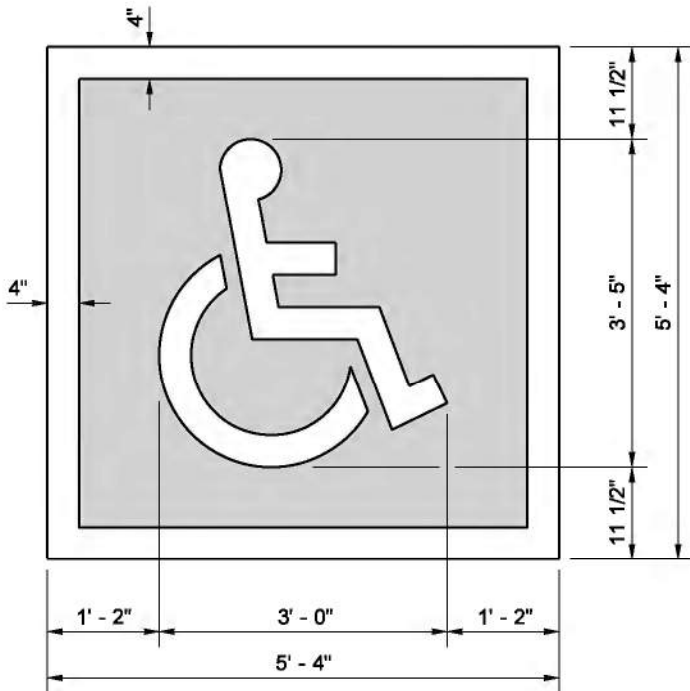
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.

ACCESS PARKING SPACE SYMBOL (MINIMUM)



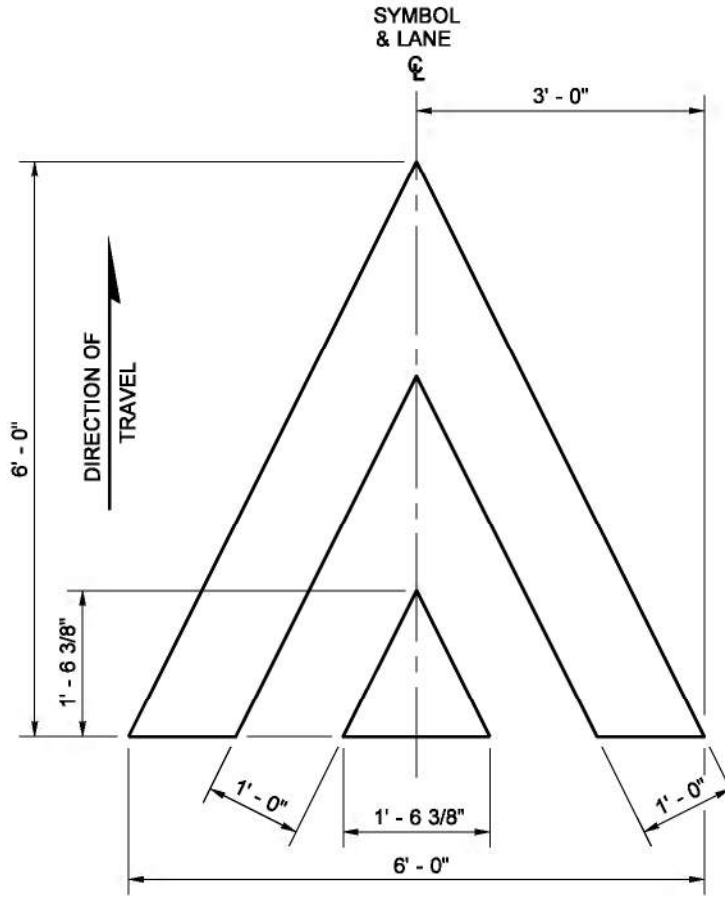
GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD)

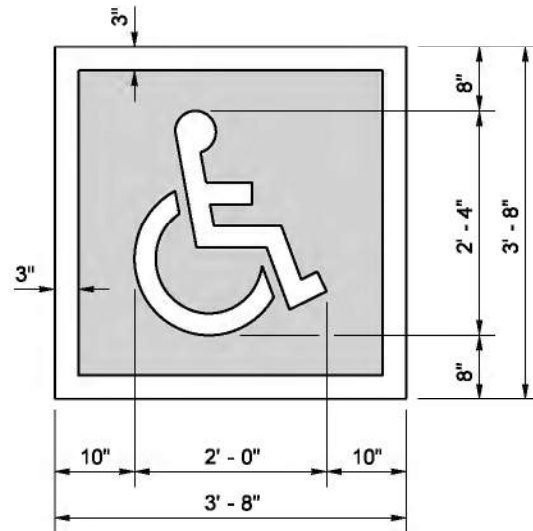


TOTAL MARKING AREA = 28.44 SQ.FT.
WHITE = 9.76 SQ.FT. BLUE = 18.69 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD) WITH BLUE BACKGROUND AND WHITE BORDER (REQUIRED FOR CEMENT CONCRETE SURFACES)



MARKING AREA = 12.08 SQ.FT.
SPEED BUMP SYMBOL

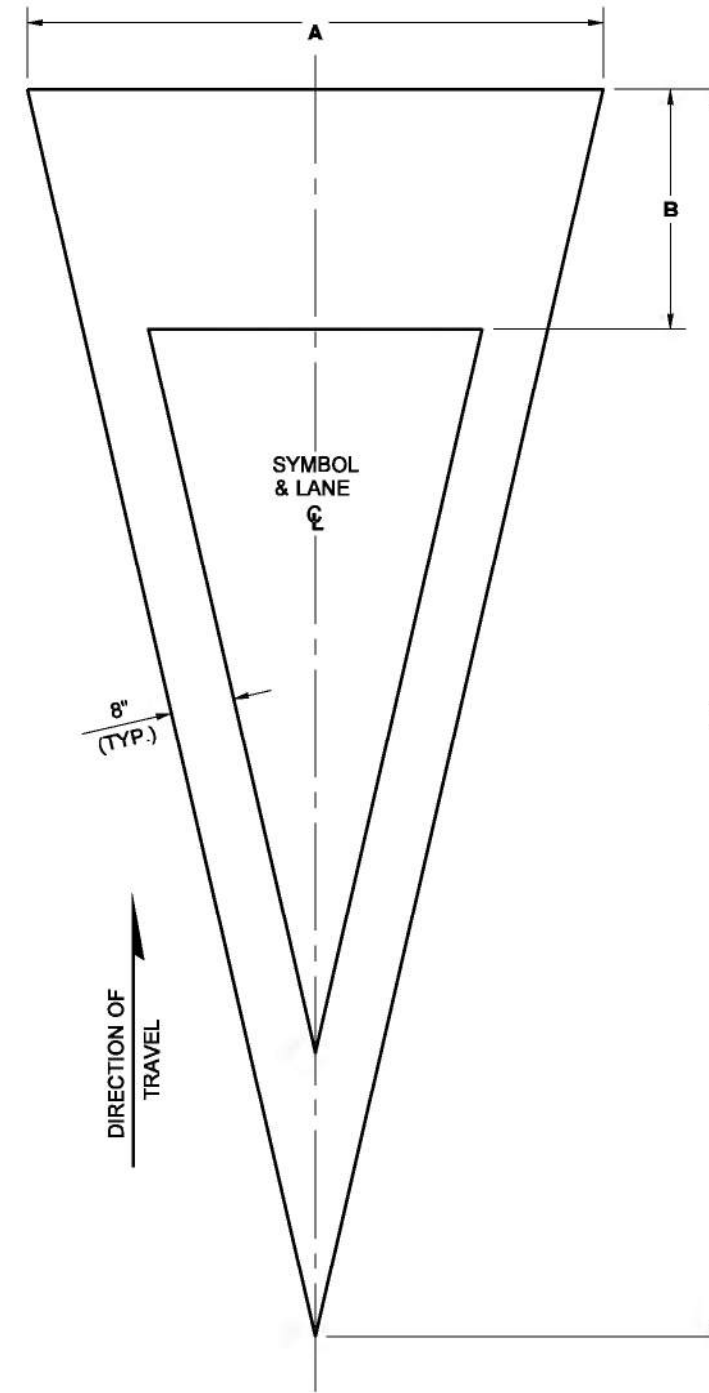


TOTAL MARKING AREA = 13.44 SQ.FT.
WHITE = 4.82 SQ.FT. BLUE = 8.62 SQ.FT.

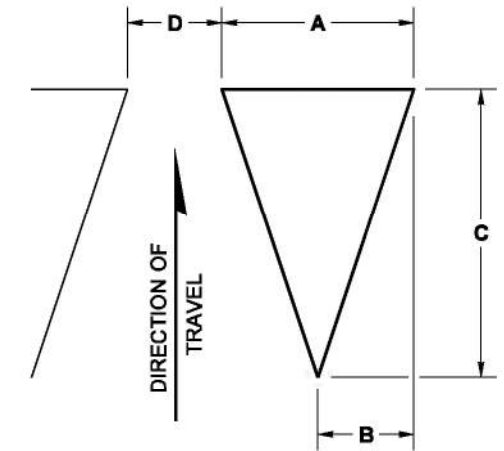
ACCESS PARKING SPACE SYMBOL (MINIMUM) WITH BLUE BACKGROUND AND WHITE BORDER (REQUIRED FOR CEMENT CONCRETE SURFACES)

SYMBOL MARKING		A	B	C	D	USE	MARKING AREA
YIELD AHEAD SYMBOL	TYPE 1	6' - 0"	2' - 6"	13' - 0"	N/A	LESS THAN 45 MPH	25.90 SQ.FT.
	TYPE 2	6' - 0"	3' - 0"	20' - 0"	N/A	45 MPH OR GREATER	36.54 SQ.FT.
YIELD LINE SYMBOL	TYPE 1	1' - 0"	6"	1' - 6"	6"	LESS THAN 45 MPH	0.75 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	45 MPH OR GREATER	3.00 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	ROUNDBOUNT ENTRY *	3.00 SQ.FT.

* MINIMUM OF 4 IN LANE



YIELD AHEAD SYMBOL



YIELD LINE SYMBOL (MULTIPLE SYMBOLS REQUIRED FOR TRANSVERSE YIELD LINE - SEE CONTRACT)



Walsh, Brian
Jun 24 2014 2:37 PM

SYMBOL MARKINGS MISCELLANEOUS

STANDARD PLAN M-24.60-04

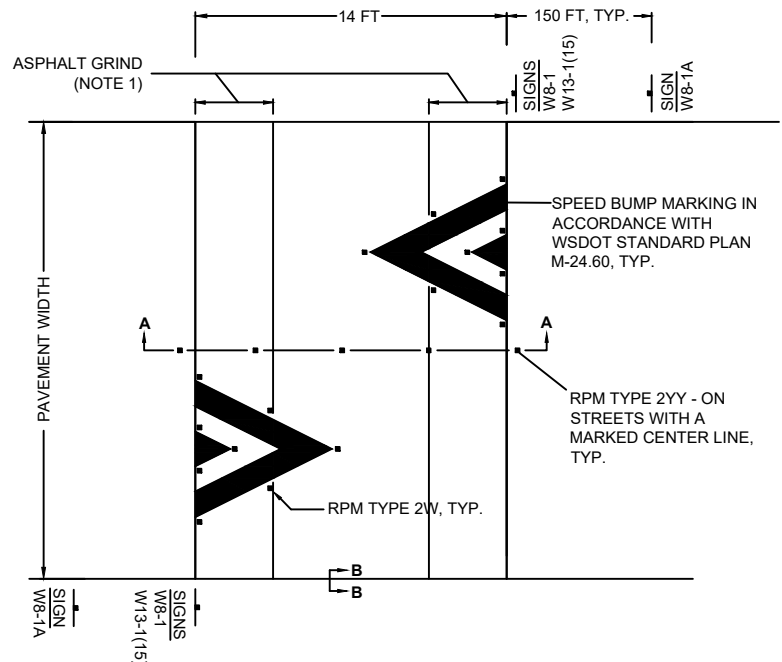
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Passo B...
Bakotich, Pasco
Jun 24 2014 4:43 PM

STATE DESIGN ENGINEER
Washington State Department of Transportation

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SIGN INFORMATION

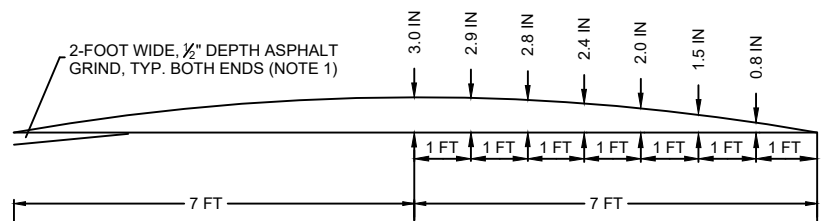
SIGN CODE	SIGN
W8-1A (SIGN NOTE 1, 2)	BUMP AHEAD
W8-1	BUMP
W13-1(15)	15 MPH ADVISORY SPEED

SIGN NOTES

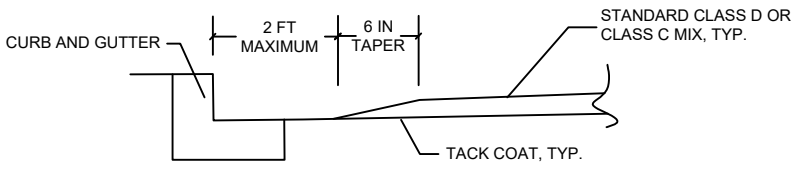
1. ADVANCE SIGNS USED ONLY FOR THE FIRST BUMP IN THE SERIES
2. WHEN THERE ARE 2 OR MORE BUMPS, REPLACE W8-1A WITH W8-1A(S) (BUMPS AHEAD)
3. SIGN SIZE SHALL BE IN ACCORDANCE WITH THE MUTCD

NOTES

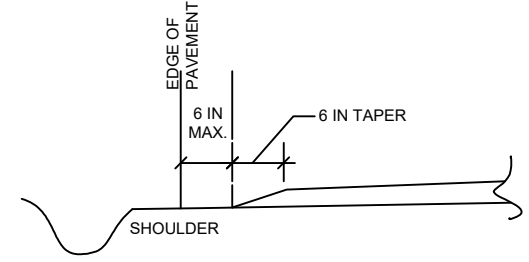
1. PRIOR TO SPEED HUMP CONSTRUCTION, THE CITY MAY REQUIRE ASPHALT GRINDING IN ORDER TO PROVIDE A SMOOTH TRANSITION (SECTION A-A).
2. SPEED HUMPS ARE NOT ALLOWED ON STREETS CLASSIFIED AS PRINCIPAL COLLECTOR AND ABOVE.
3. THIS IS A GUIDELINE - THE DESIGNER SHALL CONSIDER STORMWATER, SIGHT DISTANCE, SOUTH KING FIRE AND RESCUE, FEDERAL WAY PUBLIC SCHOOL DISTRICT, AND ACCESSIBILITY REQUIREMENTS IN THE DESIGN.
4. OTHER DIMENSIONS ARE POSSIBLE WITH JUSTIFICATION AND CITY APPROVAL.



SECTION A-A - PARABOLIC CROWN



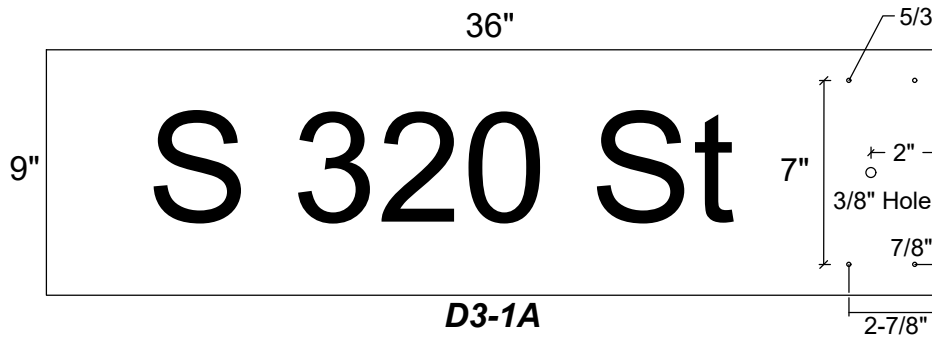
SECTION B-B - CURB AND GUTTER



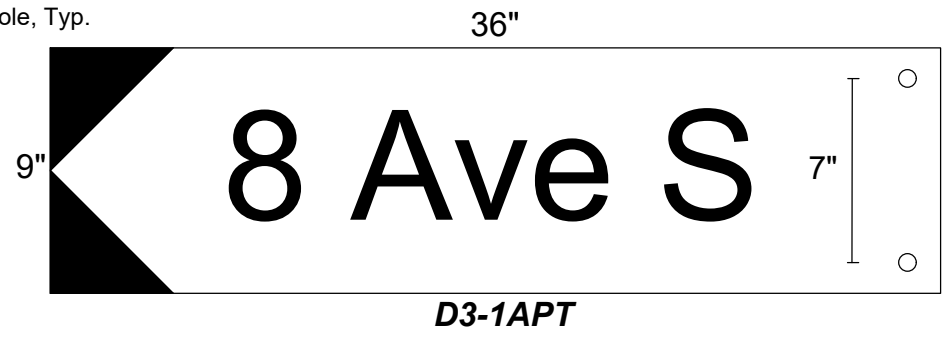
SECTION B-B - SHOULDER / DITCH

(NOT TO SCALE)

REV: JAN 2026



D3-1A



D3-1APT



D3-3



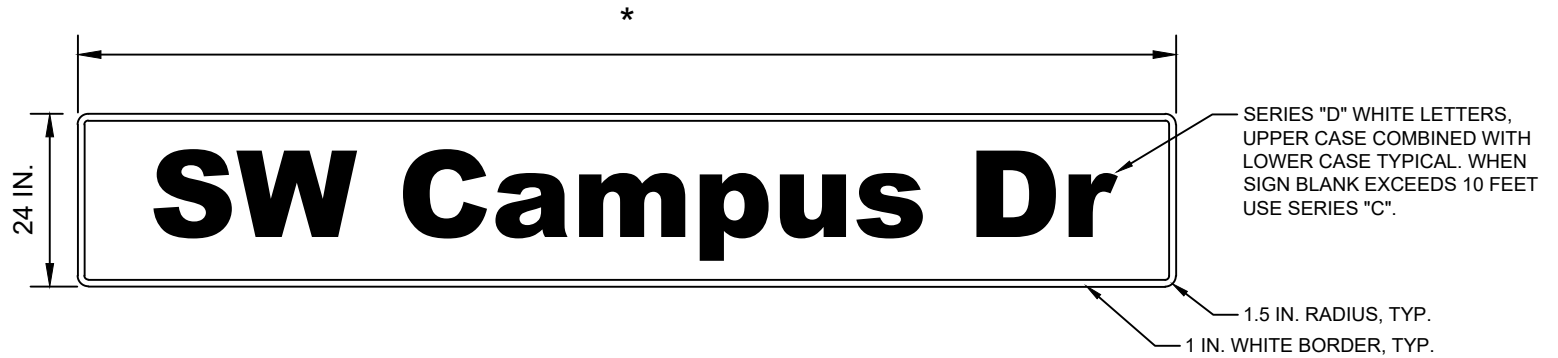
D3-3PVT

NOTES

1. SIGN SIZE - 9 INCHES BY 36 INCHES OUTSIDE MINIMUM DIMENSION; 12 INCHES BY 36 INCHES MAY BE USED FOR NAMED STREETS.
2. LEGEND SIZE - TYPICALLY, 6-INCH UPPER CASE AND 4.5-INCH LOWER CASE LETTERS. FOR STREETS WITH SPEED LIMITS OF 45 MPH AND ABOVE, USE 8-INCH UPPER CASE AND 6-INCH LOWER CASE LETTERS. FOR D3-3PVT, THE "PRIVATE ROAD" LEGEND SHALL USE 3-INCH UPPER CASE AND 2.25-INCH LOWER CASE LETTERS.
3. LEGEND FONT - LEGEND SHALL BE HIGHWAY GOTHIC SERIES B.
4. HOLES -
 FOR WOOD POST MOUNTING: FOUR 5/32-INCH NAIL HOLES. TWO HOLES PUNCH 7/8-INCH FROM ONE END, 1-INCH FROM THE TOP AND BOTTOM. TWO HOLES PUNCHED 2-7/8 INCHES FROM THE SAME END, 1-INCH FROM THE TOP AND BOTTOM. SEE D3-1A AND D3-3PVT DETAILS ABOVE FOR EXAMPLES.
 FOR STEEL POST MOUNTING: PUNCH TWO 7/16-INCH HOLES, 1-INCH FROM ONE END, 1-INCH FROM TOP AND BOTTOM, TO ALIGN WITH THE HOLES IN THE STEEL POST. SEE D3-1APT AND D3-3 DETAILS ABOVE FOR EXAMPLES.
5. FABRICATION - NO ORDINALS (-TH, -ST, ETC.) SHALL BE USED ON STREET NAME SIGNS (I.E., S 320 St, NOT S 320TH St). STREET NAME SIGNS SHALL HAVE A SILVER LEGEND ON A GREEN BACKGROUND.

SEE STANDARD DETAIL FW.G20.30 FOR ADDITIONAL SIGN FABRICATION INFORMATION

REV: JAN 2026



OVERHEAD-MOUNT SIGN DETAIL

(NOT TO SCALE)

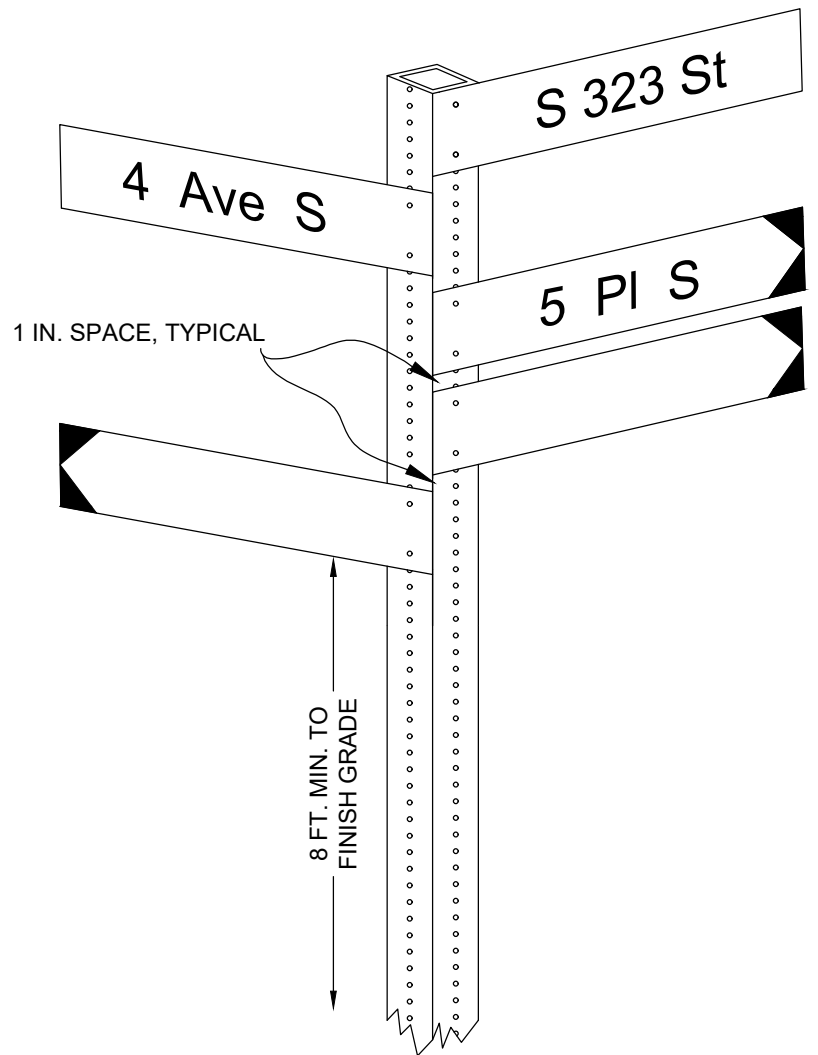
NOTES

1. STREET NAME FONT SHALL BE UNITED STATES FEDERAL HIGHWAY ADMINISTRATION HIGHWAY GOTHIC.
2. SHALL BE 12-INCH NUMBERS AND UPPER CASE LETTERS, 9-INCH LOWER CASE LETTERS, TYPICAL.
3. NO ORDINALS (-TH, -ST, ETC.) SHALL BE USED ON STREET NAME SIGNS (I.E., S 320 St, NOT S 320TH St). STREET NAME SIGNS SHALL HAVE A SILVER LEGEND ON A GREEN BACKGROUND.
4. FOR INTERSECTIONS WHERE A ROADWAY CHANGES NAMES, CONTACT CITY OF FEDERAL WAY TRAFFIC DIVISION FOR SIGN DETAILS.
5. MOUNT SIGNS IN ACCORDANCE WITH CURRENT WSDOT STANDARD PLAN G-30.10.

* SIGN LENGTH AS REQUIRED FOR LETTER SPACING.

SEE STANDARD DETAIL FW.G20.30 FOR ADDITIONAL SIGNING NOTES AND SPECIFICATIONS

REV: JAN 2026



NOTES

1. A MAXIMUM OF 5 STREET NAME SIGNS OR POINTERS SHALL BE LOCATED ON ONE POST. LONGER POSTS WILL NORMALLY BE NEEDED FOR MORE THAN THREE SIGNS TO MAINTAIN 8 FEET CLEARANCE FROM THE GROUND LINE. A 1-INCH SPACE SHOULD BE MAINTAINED BETWEEN SIGNS ON THE SAME POST.
2. STREET NAME SIGNS SHALL BE LOCATED ABOVE POINTERS AND SHALL BE INSTALLED PARALLEL TO THE STREET WHICH THEY NAME. STREET NAME SIGNS DESIGNATING NORTH-SOUTH STREETS SHOULD NORMALLY BE ON TOP. WEDGES SHALL BE UTILIZED IF NECESSARY TO INSTALL SIGNS OTHER THAN 90 DEGREES TO EACH OTHER.
3. SIGNS SHALL BE ATTACHED PERPENDICULAR TO THE POSTS WITH APPROVED SIGN MOUNTING BRACKETS.
4. STREET NAME SHALL BE ON BOTH SIDES OF ONE SIGN.

SEE STANDARD DETAIL FW.G24.50 FOR SIGN POST INSTALLATION AND DETAILS.

REV: JAN 2026

SIGN AND SIGN FACE MATERIALS

All permanent sign faces shall be constructed from aluminum sign blanks. Sign blanks shall be made from ASTM B209 alloy 6061-T6 OR alloy 5052-H36 or alloy 5052-H38 chemically conversion coated in accordance with ASTM B449-67 Class 3 (alodine). Sign blank minimum thickness, based on maximum dimensions, are as follows, except as noted below:

<u>Maximum Dimension</u>	<u>Sign Blank Thickness*</u>
Less than 30 inches	0.080 inches (does not apply to street name signs)
30 inches to less than 48 inches	0.100 inches
48 inches and larger	0.125 inches

* All D-3 (street name) signs shall be constructed with 0.100-inch thick blanks.

The Contractor shall install permanent signs which meet or exceed the minimum reflectivity standards. All sign face sheeting shall be applied to sign blanks with pressure-sensitive adhesives.

All edges, corners, and holes shall be smooth and free of burrs and snags.

All regulatory (R-series) and warning (W- and X-series) signs, except for parking regulation and parking prohibition signing shall be constructed with Type IV sheeting, in accordance with Section 9-28.12 of the Standard Specifications. This high-intensity prismatic sheeting shall be 3M Series 3930 or its equivalent. All street name (D-3) sign sheeting shall meet this specification.

All overhead signing shall be constructed with Type XI sheeting. All fluorescent yellow-green signs (all pedestrian/non-motorized related W-series and all school warning signs) shall be constructed with Type XI sheeting. This sheeting shall be 3M Series 4000 or its equivalent.

Motorist information and parking signs shall be constructed with Type I sheeting, in accordance with Section 9-28.12 of the Standard Specifications. These signs include guide signing (D-series, except D-3), corporate limit signing (I-series), and motorist information signing (K-series).

The reflectivity standard of supplemental plates shall match that of the primary sign.

SIGN INVENTORY

The City of Federal Way shall be contacted (253-835-2700) within two working days of completion of the permanent signing installation to inspect, inventory, and log all new and relocated signs. Any signs removed shall be returned to the King County Sign Shop in Renton.

OTHER SIGNS

Refer to the current adopted edition of the MUTCD or other City-approved source. This includes pavement markings as a supplement to signing.

ADDITIONAL QUESTIONS/REQUESTS SHALL BE DIRECTED TO:

- Design - City Traffic Engineer - 253-835-2740
- Installation/Removal - Public Works Inspector - 253-835-2700
- Sign Fabrication - King County Sign Shop - 253-477-8100
- Street Addressing - Building Division - 253-835-2607

**STREET NAME SIGN
ABBREVIATIONS**

ROADWAY DESIGNATIONS

- Ave - AVENUE
- St - STREET
- Ct - COURT
- Blvd - BOULEVARD
- Dr - DRIVE
- Hwy - HIGHWAY
- Pkwy - PARKWAY
- Pl - PLACE
- Ln - LANE
- Rd - ROAD
- Way - WAY

GEOGRAPHICAL AREAS

- S - SOUTH
- SW - SOUTHWEST

REV: JAN 2026



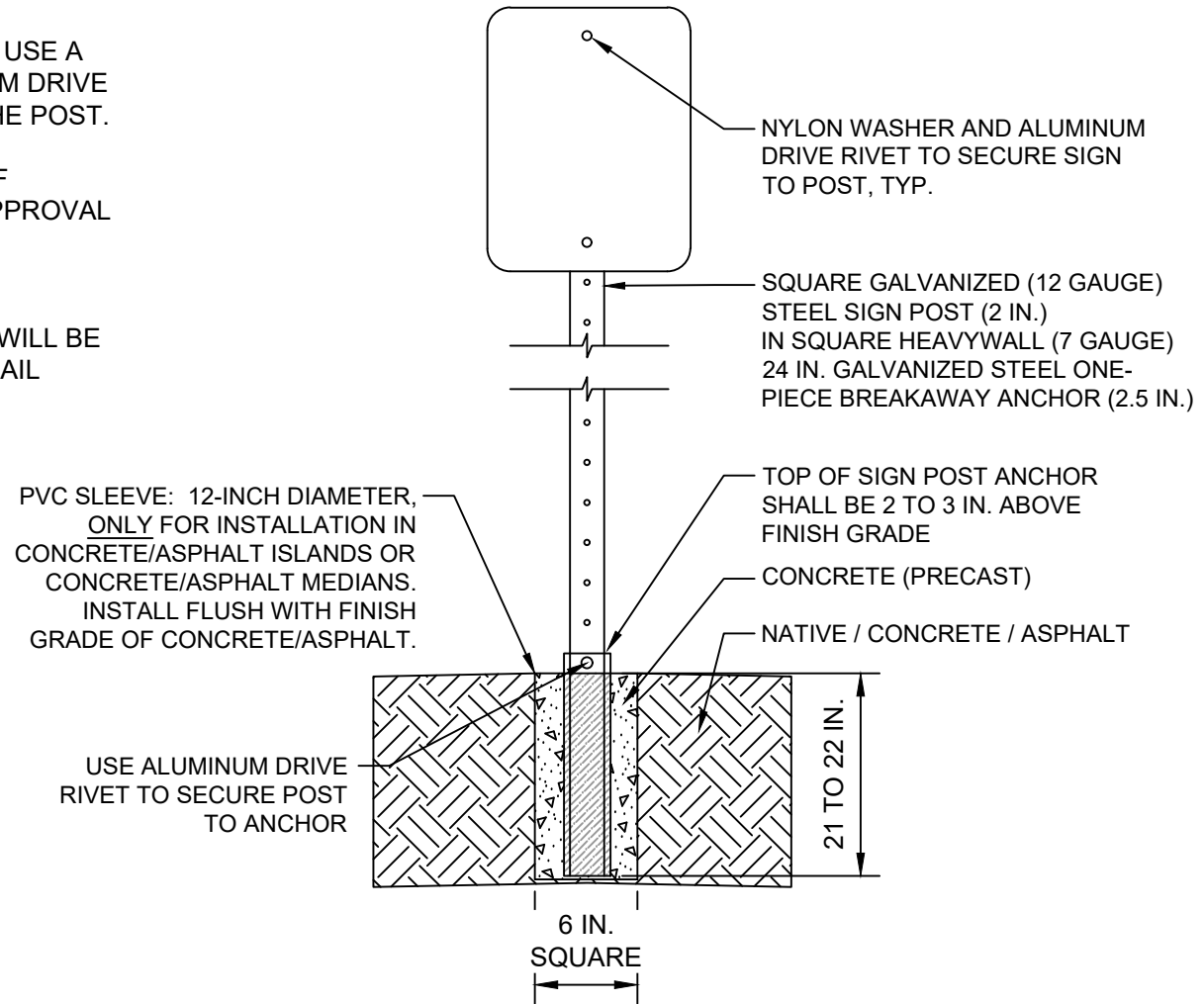
PUBLIC WORKS

SIGNING NOTES AND SPECIFICATIONS

**STD. DETAIL
FW.G20.30**

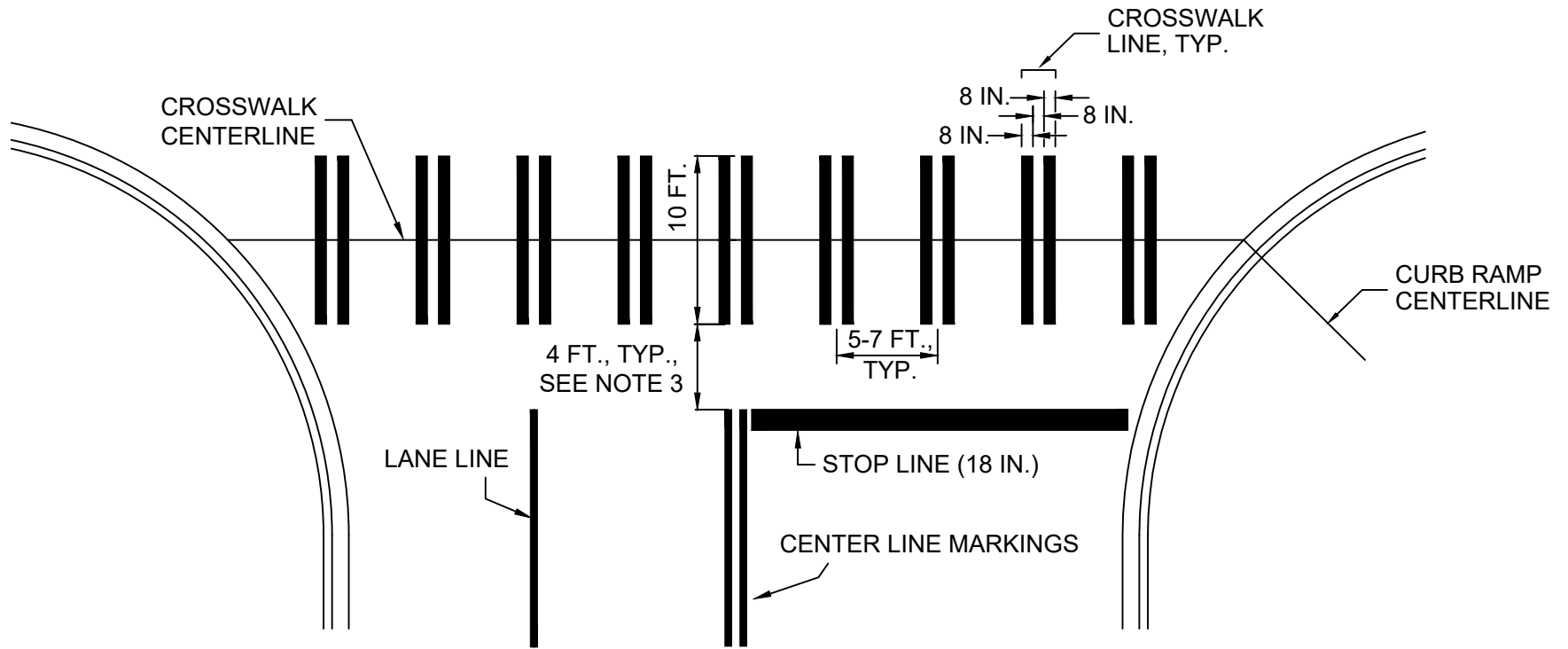
NOTES

1. MOUNTING HEIGHT SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED EDITION OF THE MUTCD.
2. FOR STEEL POST INSTALLATIONS, USE A NYLON WASHER AND AN ALUMINUM DRIVE RIVET TO INSTALL THE SIGN TO THE POST.
3. VERIFY AND STAKE LOCATIONS OF TRAFFIC SIGNS FOR ENGINEER APPROVAL AND ADJUSTMENT PRIOR TO INSTALLATION.
4. FOR SIGNS IN CITY CENTER THAT WILL BE IN SIDEWALK, SEE STANDARD DETAIL FW.G24.55.



GALVANIZED SIGN POST DETAIL

REV: JAN 2026



CROSSWALK LINE DETAIL

NOTES

1. FOR MATERIALS, SEE STANDARD DETAIL FW.M20.10.
2. CROSSWALK LINE SHALL CONSIST OF TWO 8-INCH WIDE LINES, SEPARATED BY AN 8-INCH GAP - SEE DETAIL ABOVE.
3. CROSSWALK LINE SHALL NOT BE INSTALLED ON CONCRETE GUTTER PAN. USE OF SINGLE 8-INCH LINES NEAR THE GUTTER IS ALLOWED.
4. PROVIDE A MINIMUM OF 4 FEET BETWEEN FACE OF STOP LINE AND BOTTOM OF CROSSWALK. PROVIDE ADDITIONAL SPACE IF INDICATED BY TURNING MOVEMENT ANALYSIS.
5. CROSSWALK LINE SHALL TYPICALLY BE ALIGNED WITH CENTER LINE AND LANE LINE MARKINGS. OTHER CROSSWALK LINE SHALL BE CENTERED BETWEEN THESE.
6. STOP LINE USE CASES - SEE STANDARD DETAIL FW.M3.10
7. TRAFFIC ARROWS TYPE 1S, 2SL, 2ST, 3SL, 3SR, 4S, AND 7S - SEE WSDOT STANDARD PLAN M-24.40 AND STANDARD DETAIL FW.M3.10
8. YIELD LINE SYMBOL - SEE WSDOT STANDARD PLAN M-24.60 - TYPE 2, UNLESS APPROVED BY THE CITY TRAFFIC ENGINEER
9. ACCESS PARKING SPACE SYMBOL - SEE WSDOT STANDARD PLAN M-24.60
10. BICYCLE LANE SYMBOL - SEE WSDOT STANDARD PLAN M-9.50
11. HIGH OCCUPANCY VEHICLE (HOV) LANE SYMBOL - SEE WSDOT STANDARD PLAN M-7.50
12. SPEED BUMP SYMBOL - SEE WSDOT STANDARD PLAN M-24.60

REV: MAR 2025

NOTES

LONGITUDINAL STRIPING

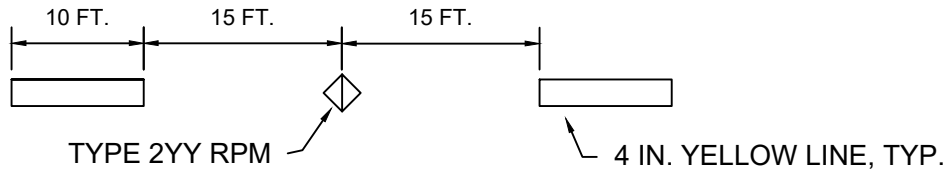
1. LONGITUDINAL STRIPING PATTERNS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN M-20.10. FOR DOUBLE CENTER LINE STRIPING, THE DISTANCE BETWEEN THE LINES SHALL BE 4 INCHES.
2. LONGITUDINAL STRIPING MATERIAL
 - ARTERIALS SHALL BE PLASTIC TYPE D METHYLMETHACRYLATE (MMA).
 - COLLECTORS AND LOCAL STREETS SHALL BE PAINT; EXCEPTIONS ARE BELOW.
 - ROUNDABOUTS SHALL BE PLASTIC TYPE D ON ARTERIALS AND PRINCIPAL COLLECTORS. MINOR COLLECTORS AND LOCAL STREETS MAY BE PAINT. THIS INCLUDES LONGITUDINAL STRIPING TO THE END OF THE STRIPING TAPER AT EACH SPLITTER ISLAND.
 - STRIPING WITHIN INTERSECTIONS, REGARDLESS OF STREET CLASSIFICATION, SHALL BE PLASTIC TYPE A OR D. THIS REFERS TO DOTTED EXTENSION LINE OR OTHER STRIPING LOCATED WITHIN THE INTERSECTION ITSELF ONLY.
3. LONGITUDINAL STRIPING - PLASTIC TYPE D - PROFILE USE
 - SHALL PROFILE:
 - CENTER LINE (ALL PATTERNS).
 - LANE LINE (STANDARD, REVERSIBLE, AND WIDE (SOLID, DOTTED, AND HOV)).
 - YELLOW EDGE LINE.
 - DOTTED EXTENSION LINE.
 - SHALL NOT PROFILE:
 - WHITE EDGE LINE.
 - FOR ALL OTHER LONGITUDINAL STRIPING PATTERNS, COORDINATE WITH THE TRAFFIC DIVISION.

TRANSVERSE MARKINGS

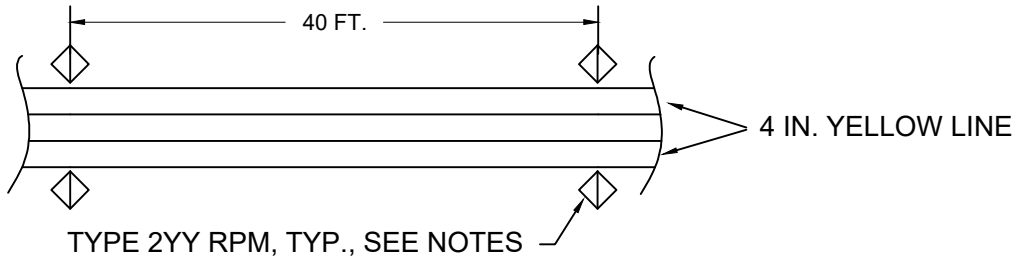
4. TRANSVERSE MARKING DIMENSIONS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL FW.M15.10.
 - TRANSVERSE MARKINGS FOR MOTORIZED VEHICLES SHALL INCLUDE STOP LINE, CROSSWALK LINE, YIELD LINE, ARROWS, HOV MARKINGS, SPEED BUMP SYMBOLS.
 - OTHER TRANSVERSE MARKINGS INCLUDE BICYCLE LANE MARKINGS AND SHARROWS.
 - FOR ANY MARKING NOT LISTED HERE, COORDINATE WITH THE TRAFFIC DIVISION.
5. TRANSVERSE MARKING MATERIAL
 - TRANSVERSE MARKINGS FOR MOTORIZED VEHICLES SHALL BE PLASTIC TYPE A.
 - TRANSVERSE MARKINGS FOR ROUNDABOUTS SHALL BE PLASTIC TYPE A.
 - OTHER TRANSVERSE MARKINGS SHALL BE PLASTIC TYPE A OR PAINT, AS NOTED BELOW:
 - BIKE LANE SYMBOLS SHALL BE PAINT, REGARDLESS OF STREET CLASSIFICATION.
 - SHARROWS SHALL BE PLASTIC TYPE A ON ARTERIALS AND COLLECTORS. ON LOCAL STREETS, SHARROWS SHALL BE PAINT.

REV: MAR 2025

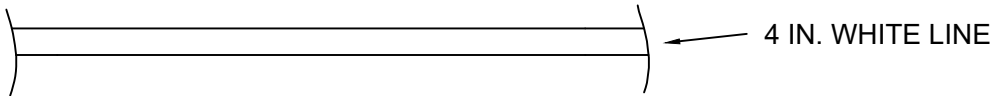
CENTER LINE



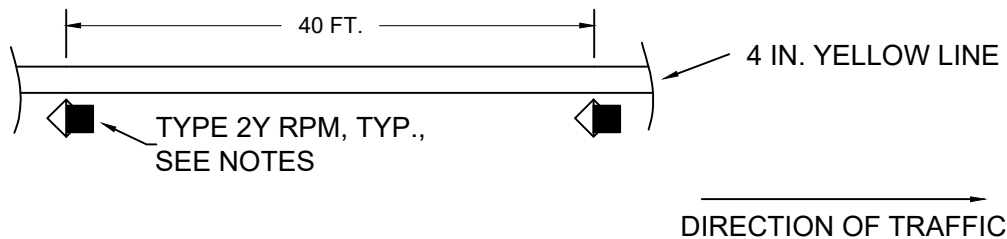
DOUBLE CENTER LINE



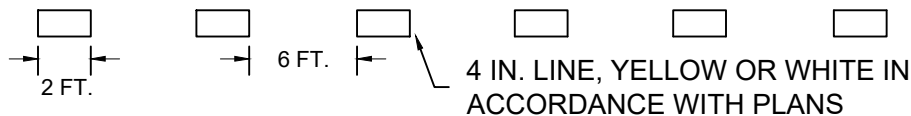
WHITE EDGE LINE



YELLOW EDGE LINE



DOTTED EXTENSION LINE



NOTES

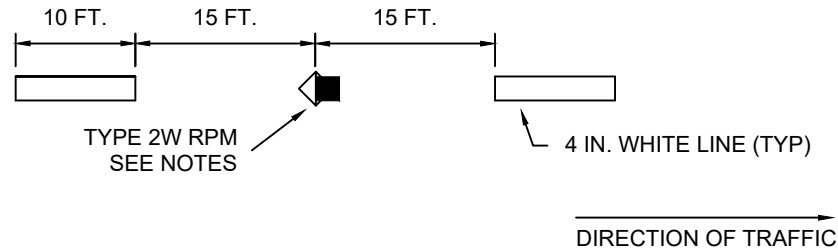
1. FOR PAVEMENT MARKING PATTERNS AND DETAILS, SEE STANDARD DETAIL FW.M20.10.
2. FOR RPM TYPES, SEE STANDARD DETAIL FW.20.40.
3. ALL RPMS SHALL BE LOCATED TO PROVIDE 4 INCHES BETWEEN STRIPING AND RPMS.
4. TYPE 2 RPMS SHALL BE USED ON ALL ARTERIALS AND COLLECTORS, IF STRIPED.
5. WHERE CURBING IS USED IN PLACE OF STRIPING, USE THE RPM PATTERN APPLICABLE TO THE STRIPING BEING REPLACED.
6. WHERE RAISED MEDIAN OR YELLOW CURBING IS USED IN PLACE OF STRIPING, USE TYPE 2YR RPMS, WITH RED FACING OPPOSITE THE DIRECTION OF TRAFFIC.
7. WHERE RAISED MEDIAN OR WHITE CURBING IS USED IN PLACE OF STRIPING, USE TYPE 2WR RPMS, WITH RED FACING OPPOSITE THE DIRECTION OF TRAFFIC.
8. WHERE TYPE 2YR AND TYPE 2WR RPMS ARE USED, THESE ARE REQUIRED FOR EVERY LINE ON EACH SIDE OF THE STREET WHERE THERE IS A MEDIAN OR CENTER CURBING.
9. MARK FIRE HYDRANTS WITH TYPE 2BB RPMS, SEE STANDARD DETAIL FW.M20.42.

LEGEND

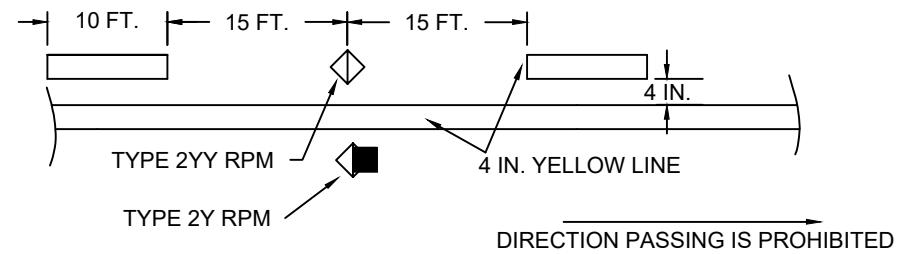
- ◀■ MONO-DIRECTIONAL RPM TYPE 2
- ◊ BI-DIRECTIONAL RPM TYPE 2

REV: JAN 2026

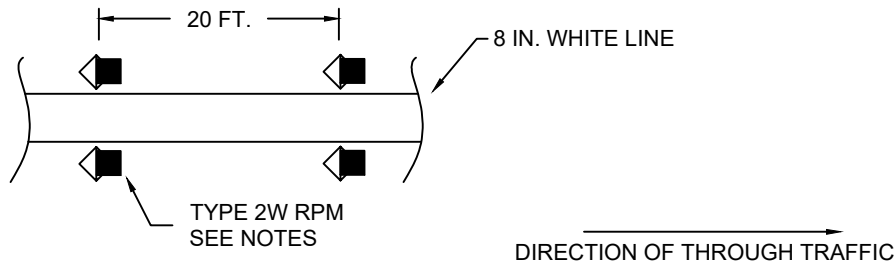
LANE LINE



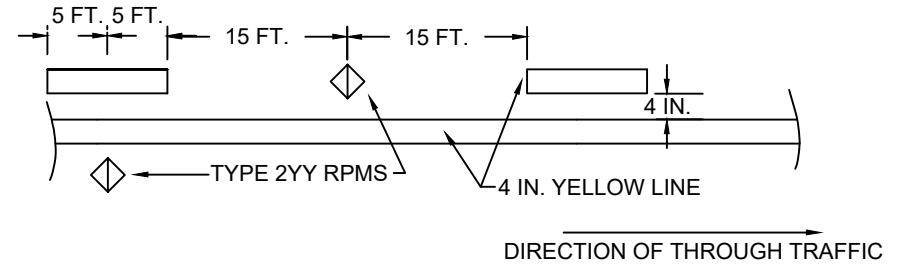
CENTER LINE WITH NO PASS LINE



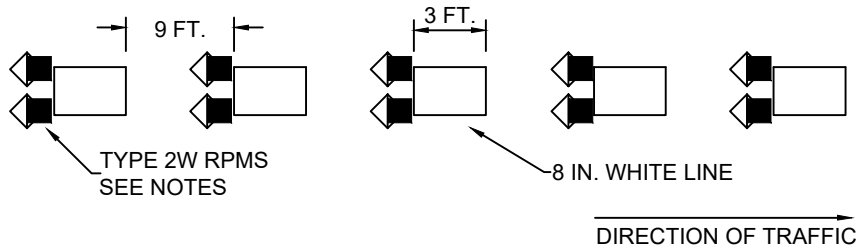
WIDE SOLID LANE LINE



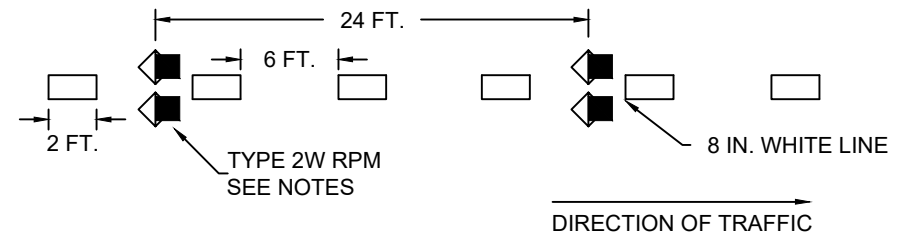
TWO-WAY LEFT-TURN CENTER LINE



WIDE DOTTED LANE LINE



WIDE DOTTED EXTENSION LINE (FOR HOV LANE USE)

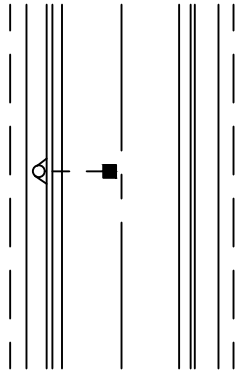


RAISED PAVEMENT MARKER (RPM) TYPES

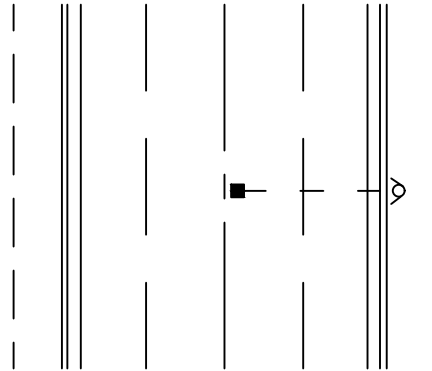
TYPE 1	NON-REFLECTIVE	NOT USED
TYPE 2W	REFLECTIVE FACE ONE SIDE	WHITE
TYPE 2WR	REFLECTIVE FACE BOTH SIDES	WHITE / RED
TYPE 2Y	REFLECTIVE FACE ONE SIDE	YELLOW
TYPE 2YY	REFLECTIVE FACE BOTH SIDES	YELLOW / YELLOW
TYPE 2YR	REFLECTIVE FACE BOTH SIDES	YELLOW / RED
TYPE 2BB	REFLECTIVE FACE BOTH SIDES	BLUE/BLUE

**SEE STANDARD DETAIL FW.M20.30 FOR RPM DETAILS AND NOTES.
SEE STANDARD DETAIL FW.M20.10 FOR STRIPING PATTERN NOTES.
SEE STANDARD DETAIL FW.M20.42 FOR TYPE 2BB RPM DETAILS AND NOTES.**

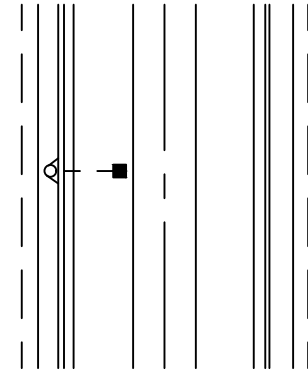
REV: JAN 2026



**TWO-LANE STREET
(WITH OR WITHOUT
PAINTED CENTER LINE)**
(SEE NOTES)



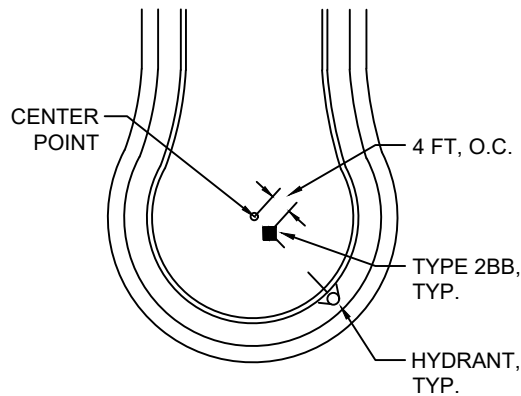
**MULTI-LANE STREET
WITHOUT TURN LANE
OR MEDIAN**
(SEE NOTES)



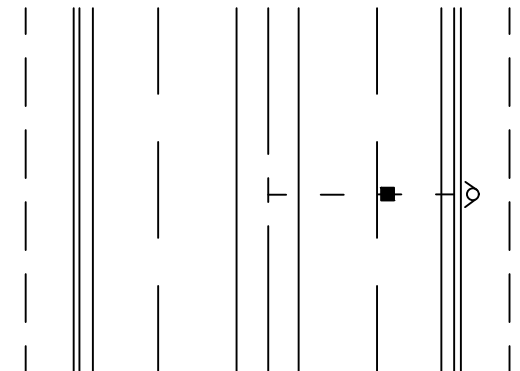
**THREE-LANE STREET
WITH TWO-WAY
LEFT-TURN LANE**
(SEE NOTES)

NOTES

1. PLACE TYPE 2BB RPMS WITH REFLECTIVE SIDE FACING TRAFFIC AND IN LINE WITH THE HYDRANT.
 2. TYPICALLY, TYPE 2BB RPMS SHALL BE PLACED 6-12 INCHES FROM THE PAINTED CENTER LINE OF THE STREET (OR CENTER OF STREET, IF NO STRIPING) ON THE SIDE OF THE STREET CLOSEST TO THE HYDRANT. LEAVE A 2- TO 4-INCH GAP BETWEEN RPMS AND ANY ROADWAY PAINT OR MARKINGS.
- FOR MULTI-LANE STREETS WITH TURN LANE OR MEDIAN, PLACE THE TYPE 2BB RPM 6-12 INCHES FROM THE LANE LINE CLOSEST TO THE HYDRANT.
 - FOR CUL-DE-SACS, PLACE THE TYPE 2BB RPM APPROXIMATELY 4 FEET FROM THE CENTER OF THE CUL-DE-SAC BULB, ON THE SIDE OF THE STREET CLOSEST TO THE HYDRANT.



CUL-DE-SAC
(SEE NOTES)



**MULTI-LANE STREET
WITH TURN LANE OR
MEDIAN**
(SEE NOTES)

TYPE 2BB PAVEMENT MARKER PLACEMENT

REV: JAN 2026

APX B: PREVAILING WAGES AND BENEFIT CODE KEY

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 06/12/2026

King County

Trade ^	Job Classification ^	Wage ^	Holiday	Overtime	Note
Asbestos Abatement Workers	Journey Level	\$67.39	5D	1H	
Boilermakers	Journey Level	\$78.89	5N	1C	
Brick Mason	Journey Level	\$76.07	7E	1N	
Brick Mason	Pointer-Caulker-Cleaner	\$76.07	7E	1N	
Building Service Employees	Janitor	\$32.78	5S	2F	
Building Service Employees	Traveling Waxer/Shampooer	\$32.98	5S	2F	

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

Building Service Employees	Window Cleaner (Non-Scaffold)	\$35.58	5S	2F	
Building Service Employees	Window Cleaner (Scaffold)	\$36.58	5S	2F	
Cabinet Makers (In Shop)	Journey Level	\$22.74			1
Carpenters	Acoustical Worker	\$83.21	15J	11U	
Carpenters	Bridge Dock and Wharf Carpenter	\$84.81	15J	11U	9L
Carpenters	Floor Layer & Floor Finisher	\$83.21	15J	11U	
Carpenters	General Carpenter	\$83.21	15J	11U	
Carpenters	Scaffold Erector	\$83.21	15J	11U	
Cement Masons	Application of all Composition Mastic	\$81.87	15J	4U	
Cement Masons	Application of all Epoxy Material	\$81.36	15J	4U	
Cement Masons	Application of all Plastic Material	\$81.87	15J	4U	
Cement Masons	Application of Sealing Compound	\$81.36	15J	4U	
Cement Masons	Application of Underlayment	\$81.87	15J	4U	
Cement Masons	Building General	\$81.36	15J	4U	

*****UNOFFICIAL BID COPY*****

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Cement Masons	Composition or Kalman Floors	\$81.87	15J	4U
Cement Masons	Concrete Paving	\$81.36	15J	4U
Cement Masons	Curb & Gutter Machine	\$81.87	15J	4U
Cement Masons	Curb & Gutter, Sidewalks	\$81.36	15J	4U
Cement Masons	Curing Concrete	\$81.36	15J	4U
Cement Masons	Finish Colored Concrete	\$81.87	15J	4U
Cement Masons	Floor Grinding	\$81.87	15J	4U
Cement Masons	Floor Grinding/Polisher	\$81.36	15J	4U
Cement Masons	Green Concrete Saw, self-powered	\$81.87	15J	4U
Cement Masons	Grouting of all Plates	\$81.36	15J	4U
Cement Masons	Grouting of all Tilt-up Panels	\$81.36	15J	4U
Cement Masons	Guniting Nozzleman	\$81.87	15J	4U
Cement Masons	Hand Powered Grinder	\$81.87	15J	4U
Cement Masons	Journey Level	\$81.36	15J	4U
Cement Masons	Patching Concrete	\$81.36	15J	4U
Cement Masons	Pneumatic Power Tools	\$81.87	15J	4U

*****UNOFFICIAL BID COPY*****

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Cement Masons	Power Chipping & Brushing	\$81.87	15J	4U	
Cement Masons	Sand Blasting Architectural Finish	\$81.87	15J	4U	
Cement Masons	Screed & Rodding Machine	\$81.87	15J	4U	
Cement Masons	Spackling or Skim Coat Concrete	\$81.36	15J	4U	
Cement Masons	Troweling Machine Operator	\$81.87	15J	4U	
Cement Masons	Troweling Machine Operator on Colored Slabs	\$81.87	15J	4U	
Cement Masons	Tunnel Workers	\$81.87	15J	4U	
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	\$144.72	15J	11T	9I
Divers & Tenders	Dive Supervisor	\$146.22	15J	11T	9I
Divers & Tenders	Diver	\$144.72	15J	11T	9I
Divers & Tenders	Diver Tender	\$91.05	15J	11T	9I
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$114.73	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker	\$124.38***	15J	11U	

UNOFFICIAL BID COPY

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

30.01-44.00 PSI

Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$133.82	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$143.37	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$152.91	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$162.46	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$172.00	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$181.55	15J	11U	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$191.09	15J	11U	
Divers & Tenders	Lead Diver (Dive Master)	\$105.51	15J	11T	9I
Divers & Tenders	Manifold Operator (Life Support Technician)	\$96.05	15J	11U	9I

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$91.05	15J	11T	9I
Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$91.05	15J	11U	9I
Divers & Tenders	Remote Operated Vehicle Tender	\$84.75	15J	11T	9I
Divers & Tenders	Stand-by Diver	\$100.51	15J	11T	9I
Dredge Workers	Assistant Engineer	\$89.47	5D	3F	
Dredge Workers	Assistant Mate (Deckhand)	\$88.78	5D	3F	
Dredge Workers	Boatmen	\$89.47	5D	3F	
Dredge Workers	Engineer Welder	\$91.20	5D	3F	
Dredge Workers	Leverman, Hydraulic	\$93.03	5D	3F	
Dredge Workers	Mates	\$89.47	5D	3F	
Dredge Workers	Oiler	\$88.78	5D	3F	
Drywall Applicator	Journey Level	\$81.71	150	11S	
Drywall Tapers	Journey Level	\$81.71	150	11S	
Electrical Fixture Maintenance Workers	Journey Level	\$42.69	5L	1E	
Electricians - Inside	Cable Splicer	\$119.89	7C	4E	

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Electricians - Inside	Cable Splicer (tunnel)	\$128.61	7C	4E	
Electricians - Inside	Certified Welder	\$115.92	7C	4E	
Electricians - Inside	Certified Welder (tunnel)	\$124.25	7C	4E	
Electricians - Inside	Construction Stock Person	\$56.78	7C	4E	
Electricians - Inside	Journey Level	\$111.96	7C	4E	
Electricians - Inside	Journey Level (tunnel)	\$119.89	7C	4E	
Electricians - Motor Shop	Journey Level	\$48.68	5A	1B	
Electricians - Powerline Construction	Cable Splicer	\$107.31	5A	4D	
Electricians - Powerline Construction	Certified Line Welder	\$98.45	5A	4D	
Electricians - Powerline Construction	Groundperson	\$61.75	5A	4D	
Electricians - Powerline Construction	Heavy Line Equipment Operator	\$98.45	5A	4D	
Electricians - Powerline Construction	Journey Level Lineperson	\$98.45	5A	4D	
Electricians - Powerline Construction	Line Equipment Operator	\$84.18	5A	4D	
Electricians - Powerline Construction	Meter Installer	\$61.75	5A	4D	8W

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Electricians - Powerline Construction	Pole Sprayer	\$98.45	5A	4D	
Electricians - Powerline Construction	Powderperson	\$72.81	5A	4D	
Electronic Technicians	Journey Level	\$73.97	7E	1E	
Elevator Constructors	Mechanic	\$119.17	7D	4A	
Elevator Constructors	Mechanic In Charge	\$128.95	7D	4A	
Fabricated Precast Concrete Products	All Classifications - In- Factory Work Only	\$21.34	5B	1R	
Fence Erectors	Fence Erector	\$57.66	15J	11P	8Y
Fence Erectors	Fence Laborer	\$57.66	15J	11P	8Y
Flaggers	Journey Level	\$57.66	15J	11P	8Y
Glaziers	Journey Level	\$85.16	7L	1Y	
Heat & Frost Insulators And Asbestos Workers	Journey Level	\$96.42	15H	11C	
Heating Equipment Mechanics	Journey Level	\$107.92	7F	1E	
Hod Carriers & Mason Tenders	Journey Level	\$71.09	15J	11P	8Y
Industrial Power Vacuum Cleaner	Journey Level	\$17.13		1	
Inland Boatmen	Boat Operator	\$71.28	5B	1K	

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Inland Boatmen	Cook	\$69.70	5B	1K
Inland Boatmen	Deckhand	\$70.00	5B	1K
Inland Boatmen	Deckhand Engineer	\$69.55	5B	1K
Inland Boatmen	Launch Operator	\$71.23	5B	1K
Inland Boatmen	Mate	\$89.12	5B	1K
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	\$54.56	15M	110
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	\$54.56	15M	110
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$54.56	15M	110
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$52.40	15M	110
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$45.97	15M	110
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	\$49.20	15M	110
Insulation Applicators	Journey Level	\$83.21	15J	11U

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Ironworkers	Journeyman	\$94.82	15K	11N	
Laborers	Air, Gas Or Electric Vibrating Screed	\$67.39	15J	11P	8Y
Laborers	Airtrac Drill Operator	\$69.37	15J	11P	8Y
Laborers	Ballast Regular Machine	\$67.39	15J	11P	8Y
Laborers	Batch Weighman	\$57.66	15J	11P	8Y
Laborers	Brick Pavers	\$67.39	15J	11P	8Y
Laborers	Brush Cutter	\$67.39	15J	11P	8Y
Laborers	Brush Hog Feeder	\$67.39	15J	11P	8Y
Laborers	Burner	\$67.39	15J	11P	8Y
Laborers	Caisson Worker	\$69.37	15J	11P	8Y
Laborers	Carpenter Tender	\$67.39	15J	11P	8Y
Laborers	Cement Dumper-paving	\$69.37	15J	11P	8Y
Laborers	Cement Finisher Tender	\$67.39	15J	11P	8Y
Laborers	Change House Or Dry Shack	\$67.39	15J	11P	8Y
Laborers	Chipping Gun (30 Lbs. And Over)	\$68.56	15J	11P	8Y
Laborers	Chipping Gun (Under 30 Lbs.)	\$67.39	15J	11P	8Y

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Laborers	Choker Setter	\$67.39	15J	11P	8Y
Laborers	Chuck Tender	\$67.39	15J	11P	8Y
Laborers	Clary Power Spreader	\$68.56	15J	11P	8Y
Laborers	Clean-up Laborer	\$67.39	15J	11P	8Y
Laborers	Concrete Dumper/Chute Operator	\$69.37	15J	11P	8Y
Laborers	Concrete Form Stripper	\$67.39	15J	11P	8Y
Laborers	Concrete Placement Crew	\$69.37	15J	11P	8Y
Laborers	Concrete Saw Operator/Core Driller	\$68.56	15J	11P	8Y
Laborers	Crusher Feeder	\$57.66	15J	11P	8Y
Laborers	Curing Laborer	\$67.39	15J	11P	8Y
Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$67.39	15J	11P	8Y
Laborers	Ditch Digger	\$67.39	15J	11P	8Y
Laborers	Diver	\$69.37	15J	11P	8Y
Laborers	Drill Operator (Hydraulic, Diamond)	\$68.56	15J	11P	8Y
Laborers	Dry Stack Walls	\$67.39	15J	11P	8Y

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Laborers	Dump Person	\$67.39	15J	11P	8Y
Laborers	Epoxy Technician	\$67.39	15J	11P	8Y
Laborers	Erosion Control Worker	\$67.39	15J	11P	8Y
Laborers	Faller & Bucker Chain Saw	\$68.56	15J	11P	8Y
Laborers	Fine Graders	\$67.39	15J	11P	8Y
Laborers	Firewatch	\$57.66	15J	11P	8Y
Laborers	Form Setter	\$69.37	15J	11P	8Y
Laborers	Gabian Basket Builders	\$67.39	15J	11P	8Y
Laborers	General Laborer	\$67.39	15J	11P	8Y
Laborers	Grade Checker & Transit Person	\$71.09	15J	11P	8Y
Laborers	Grinders	\$67.39	15J	11P	8Y
Laborers	Grout Machine Tender	\$67.39	15J	11P	8Y
Laborers	Groutmen (Pressure) Including Post Tension Beams	\$68.56	15J	11P	8Y
Laborers	Guardrail Erector	\$67.39	15J	11P	8Y
Laborers	Hazardous Waste Worker (Level A)	\$69.37	15J	11P	8Y

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Laborers	Hazardous Waste Worker (Level B)	\$68.56	15J	11P	8Y
Laborers	Hazardous Waste Worker (Level C)	\$67.39	15J	11P	8Y
Laborers	High Scaler	\$69.37	15J	11P	8Y
Laborers	Jackhammer	\$68.56	15J	11P	8Y
Laborers	Laserbeam Operator	\$68.56	15J	11P	8Y
Laborers	Maintenance Person	\$67.39	15J	11P	8Y
Laborers	Manhole Builder-Mudman	\$68.56	15J	11P	8Y
Laborers	Material Yard Person	\$67.39	15J	11P	8Y
Laborers	Mold Abatement Worker	\$67.39	15J	11P	8Y
Laborers	Motorman-Dinky Locomotive	\$71.19	15J	11P	8Y
Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$71.09	15J	11P	8Y
Laborers	Pavement Breaker	\$68.56	15J	11P	8Y

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Laborers	Pilot Car	\$57.66	15J	11P	8Y
Laborers	Pipe Layer (Lead)	\$71.09	15J	11P	8Y
Laborers	Pipe Layer/Tailor	\$68.56	15J	11P	8Y
Laborers	Pipe Pot Tender	\$68.56	15J	11P	8Y
Laborers	Pipe Reliner	\$68.56	15J	11P	8Y
Laborers	Pipe Wrapper	\$68.56	15J	11P	8Y
Laborers	Pot Tender	\$67.39	15J	11P	8Y
Laborers	Powderman	\$69.37	15J	11P	8Y
Laborers	Powderman's Helper	\$67.39	15J	11P	8Y
Laborers	Power Jacks	\$68.56	15J	11P	8Y
Laborers	Power Washer	\$67.39	15J	11P	8Y
Laborers	Railroad Spike Puller - Power	\$68.56	15J	11P	8Y
Laborers	Raker - Asphalt	\$71.09	15J	11P	8Y
Laborers	Re-timberman	\$69.37	15J	11P	8Y
Laborers	Remote Equipment Operator	\$68.56	15J	11P	8Y
Laborers	Rigger/Signal Person	\$68.56	15J	11P	8Y

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Laborers	Rip Rap Person	\$67.39	15J	11P	8Y
Laborers	Rivet Buster	\$68.56	15J	11P	8Y
Laborers	Rodder	\$69.37	15J	11P	8Y
Laborers	Scaffold Erector	\$67.39	15J	11P	8Y
Laborers	Scale Person	\$67.39	15J	11P	8Y
Laborers	Sloper (Over 20")	\$68.56	15J	11P	8Y
Laborers	Sloper Sprayer	\$67.39	15J	11P	8Y
Laborers	Spreader (Concrete)	\$69.37	15J	11P	8Y
Laborers	Stake Hopper	\$67.39	15J	11P	8Y
Laborers	Stock Piler	\$67.39	15J	11P	8Y
Laborers	Swinging Stage/Boatswain Chair	\$57.66	15J	11P	8Y
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$68.56	15J	11P	8Y
Laborers	Tamper (Multiple & Self- propelled)	\$68.56	15J	11P	8Y
Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$68.56	15J	11P	8Y
Laborers	Toolroom Person (at Jobsite)	\$67.39	15J	11P	8Y

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Laborers	Topper	\$67.39	15J	11P	8Y
Laborers	Track Laborer	\$67.39	15J	11P	8Y
Laborers	Track Liner (Power)	\$68.56	15J	11P	8Y
Laborers	Traffic Control Laborer	\$61.41	15J	11P	9C
Laborers	Traffic Control Supervisor	\$64.86	15J	11P	9C
Laborers	Truck Mounted Attenuator	\$61.41	15J	11P	9C
Laborers	Truck Spotter	\$67.39	15J	11P	8Y
Laborers	Tugger Operator	\$68.56	15J	11P	8Y
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$225.32	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$230.35	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$234.03	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$239.73	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$241.85	15J	11P	9B

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Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$246.95	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$248.85	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$250.85	15J	11P	9B
Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$252.85	15J	11P	9B
Laborers	Tunnel Work-Guage and Lock Tender	\$71.19	15J	11P	8Y
Laborers	Tunnel Work-Miner	\$71.19	15J	11P	8Y
Laborers	Vibrator	\$69.37	15J	11P	8Y
Laborers	Vinyl Seamer	\$67.39	15J	11P	8Y
Laborers	Watchman	\$52.73	15J	11P	8Y
Laborers	Welder	\$68.56	15J	11P	8Y
Laborers	Well Point Laborer	\$68.56	15J	11P	8Y
Laborers	Window Washer/Cleaner	\$52.73	15J	11P	8Y
Laborers - Underground Sewer & Water	General Laborer & Topman	\$67.39	15J	11P	8Y

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Laborers - Underground Sewer & Water	Pipe Layer	\$68.56	15J	11P	8Y
Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	\$52.73	15J	11P	8Y
Landscape Construction	Landscape Operator	\$91.81	15J	11G	8X
Landscape Maintenance	Groundskeeper	\$17.87		1	
Lathers	Journey Level	\$81.71	15O	11S	
Marble Setters	Journey Level	\$76.07	7E	1N	
Metal Fabrication (In Shop)	Fitter/Certified Welder	\$42.17	15I	11E	
Metal Fabrication (In Shop)	General Laborer	\$30.07	15I	11E	
Metal Fabrication (In Shop)	Mechanic	\$43.63	15I	11E	
Metal Fabrication (In Shop)	Welder/Burner	\$39.28	15I	11E	
Millwright	Journey Level	\$84.44	5A	1B	
Modular Buildings	Cabinet Assembly	\$17.13		1	
Modular Buildings	Electrician	\$17.13		1	
Modular Buildings	Equipment Maintenance	\$17.13		1	
Modular Buildings	Plumber	\$17.13		1	
Modular Buildings	Production Worker	\$17.13		1	

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Modular Buildings	Tool Maintenance	\$17.13		1	
Modular Buildings	Utility Person	\$17.13		1	
Modular Buildings	Welder	\$17.13		1	
Painters	Journey Level	\$57.46	6Z	11J	
Pile Driver	Crew Tender	\$80.50	15J	11U	9L
Pile Driver	Journey Level	\$84.81	15J	11U	
Plasterers	Journey Level	\$78.60	7Q	1R	
Plasterers	Nozzleman	\$82.70	7Q	1R	
Playground & Park Equipment Installers	Journey Level	\$17.13		1	
Plumbers & Pipefitters	Journey Level	\$111.59	6Z	1G	
Power Equipment Operators	Asphalt Plant Operators	\$93.36	15J	11G	8X
Power Equipment Operators	Assistant Engineer	\$87.77	15J	11G	8X
Power Equipment Operators	Barrier Machine (zipper)	\$92.52	15J	11G	8X
Power Equipment Operators	Batch Plant Operator: concrete	\$92.52	15J	11G	8X
Power Equipment Operators	Boat Operator	\$92.52	7A	11H	8X

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Power Equipment Operators	Bobcat	\$87.77	15J	11G	8X
Power Equipment Operators	Brokk - Remote Demolition Equipment	\$87.77	15J	11G	8X
Power Equipment Operators	Brooms	\$87.77	15J	11G	8X
Power Equipment Operators	Bump Cutter	\$92.52	15J	11G	8X
Power Equipment Operators	Cableways	\$93.36	15J	11G	8X
Power Equipment Operators	Chipper	\$92.52	15J	11G	8X
Power Equipment Operators	Compressor	\$87.77	15J	11G	8X
Power Equipment Operators	Concrete Finish Machine - Laser Screed	\$87.77	15J	11G	8X
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$91.81	15J	11G	8X
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$93.36	15J	11G	8X
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$92.52	15J	11G	8X

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Power Equipment Operators	Conveyors	\$91.81	15J	11G	8X
Power Equipment Operators	Cranes Friction: 200 tons and over	\$94.85	7A	11H	8X
Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$86.60	7A	11H	8X
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$92.98	7A	11H	8X
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$91.25	7A	11H	8X
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$93.95	7A	11H	8X
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$94.85	7A	11H	8X
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$92.08	7A	11H	8X
Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$93.95	7A	11H	8X
Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame	\$90.55***	7A	11H	8X

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over 10 tons

Power Equipment Operators	Crusher	\$92.52	15J	11G	8X
Power Equipment Operators	Deck Engineer/Deck Winches (power)	\$92.52	15J	11G	8X
Power Equipment Operators	Derricks, On Building Work	\$92.08	7A	11H	8X
Power Equipment Operators	Dozers D-9 & Under	\$91.81	15J	11G	8X
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$91.81	15J	11G	8X
Power Equipment Operators	Drilling Machine	\$94.30	15J	11G	8X
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$87.77	15J	11G	8X
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$92.52	15J	11G	8X
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$91.81	15J	11G	8X
Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$87.77	15J	11G	8X
Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$92.52	15J	11G	8X

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Power Equipment Operators	Gradechecker/Stakeman	\$87.77	15J	11G	8X
Power Equipment Operators	Guardrail Punch	\$92.52	15J	11G	8X
Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$93.36	15J	11G	8X
Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$92.52	15J	11G	8X
Power Equipment Operators	Horizontal/Directional Drill Locator	\$91.81	15J	11G	8X
Power Equipment Operators	Horizontal/Directional Drill Operator	\$92.52	15J	11G	8X
Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	\$90.55	7A	11H	8X
Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	\$86.60	7A	11H	8X
Power Equipment Operators	Leverman	\$95.28	15J	11G	8X
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$93.36	15J	11G	8X
Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$92.52	15J	11G	8X

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Power Equipment Operators	Loaders, Plant Feed	\$92.52	15J	11G	8X
Power Equipment Operators	Loaders: Elevating Type Belt	\$91.81	15J	11G	8X
Power Equipment Operators	Locomotives, All	\$92.52	15J	11G	8X
Power Equipment Operators	Material Transfer Device	\$92.52	15J	11G	8X
Power Equipment Operators	Mechanics: All (Leadmen - \$0.50 per hour over mechanic)	\$94.30	15J	11G	8X
Power Equipment Operators	Motor Patrol Graders	\$93.36	15J	11G	8X
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$93.36	15J	11G	8X
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$87.77	15J	11G	8X
Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	\$91.81	15J	11G	8X
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$91.25	7A	11H	8X

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Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$92.98	7A	11H	8X
Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$92.08	7A	11H	8X
Power Equipment Operators	Pavement Breaker	\$87.77	15J	11G	8X
Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$92.52	15J	11G	8X
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$91.81	15J	11G	8X
Power Equipment Operators	Posthole Digger, Mechanical	\$87.77	15J	11G	8X
Power Equipment Operators	Power Plant	\$87.77	15J	11G	8X
Power Equipment Operators	Pumps - Water	\$87.77	15J	11G	8X
Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$93.36	15J	11G	8X
Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	\$92.52	15J	11G	8X
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$93.36	15J	11G	8X
Power Equipment Operators	Rigger and Bellman	\$86.60	7A	11H	8X

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Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$90.55	7A	11H	8X
Power Equipment Operators	Rollagon	\$93.36	15J	11G	8X
Power Equipment Operators	Roller, Other Than Plant Mix	\$87.77	15J	11G	8X
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$91.81	15J	11G	8X
Power Equipment Operators	Roto-mill, Roto-grinder	\$92.52	15J	11G	8X
Power Equipment Operators	Saws - Concrete	\$91.81	15J	11G	8X
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$92.52	15J	11G	8X
Power Equipment Operators	Scrapers - Concrete & Carry All	\$91.81	15J	11G	8X
Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$93.36	15J	11G	8X
Power Equipment Operators	Service Engineers: Equipment	\$91.81	15J	11G	8X
Power Equipment Operators	Shotcrete/Gunite Equipment	\$87.77	15J	11G	8X
Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$91.81	15J	11G	8X

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Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$93.36	15J	11G	8X
Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$92.52	15J	11G	8X
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$94.30	15J	11G	8X
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$95.28	15J	11G	8X
Power Equipment Operators	Slipform Pavers	\$93.36	15J	11G	8X
Power Equipment Operators	Spreader, Topsider & Screedman	\$93.36	15J	11G	8X
Power Equipment Operators	Subgrader Trimmer	\$92.52	15J	11G	8X
Power Equipment Operators	Tower Bucket Elevators	\$91.81	15J	11G	8X
Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$93.95	7A	11H	8X
Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$92.98	7A	11H	8X

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Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$94.85	7A	11H	8X
Power Equipment Operators	Transporters, All Track Or Truck Type	\$93.36	15J	11G	8X
Power Equipment Operators	Trenching Machines	\$91.81	15J	11G	8X
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$91.25	7A	11H	8X
Power Equipment Operators	Truck crane oiler/driver: under 100 tons	\$90.55	7A	11H	8X
Power Equipment Operators	Truck Mount Portable Conveyor	\$92.52	15J	11G	8X
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$92.52	15J	11G	8X
Power Equipment Operators	Welder	\$93.36	15J	11G	8X
Power Equipment Operators	Wheel Tractors, Farmall Type	\$87.77	15J	11G	8X
Power Equipment Operators	Yo Yo Pay Dozer	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	\$87.77	15J	11G	8X

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Power Equipment					
Operators- Underground	Barrier Machine (zipper)	\$92.52	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Batch Plant Operator, Concrete	\$92.52	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Boat Operator	\$92.08	7A	11H	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Bobcat	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Brokk - Remote Demolition Equipment	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Brooms	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Bump Cutter	\$92.52	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Cableways	\$93.36	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Chipper	\$92.52	15J	11G	8X
Sewer & Water					

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Power Equipment					
Operators- Underground	Compressor	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Concrete Finish Machine - Laser Screed	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$91.81	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Concrete Pump: Truck Mount With Boom	\$93.36	15J	11G	8X
Sewer & Water	Attachment Over 42 M				
Power Equipment					
Operators- Underground	Concrete Pump: Truck Mount With Boom	\$92.52	15J	11G	8X
Sewer & Water	Attachment Up To 42m				
Power Equipment					
Operators- Underground	Conveyors	\$91.81	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Cranes Friction: 200 tons and over	\$94.85	7A	11H	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Cranes, A-frame: 10 tons and under	\$86.60	7A	11H	8X
Sewer & Water					

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Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$92.98	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	\$91.25	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$93.95	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$94.85	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$92.08	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$93.95	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	\$90.55	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Crusher	\$92.52	15J	11G	8X

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Power Equipment Operators- Underground Sewer & Water	Deck Engineer/Deck Winches (power)	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	\$92.08	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$94.30	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	\$87.77	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	\$87.77	15J	11G	8X

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Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Gradechecker/Stakeman	\$87.77	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Locator	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Operator	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	\$86.60	7A	11H	8X

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Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	\$90.55	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Leverman	\$95.28	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Mechanics: All (Leadmen - \$0.50 per hour over mechanic)	\$94.30	15J	11G	8X

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Power Equipment					
Operators- Underground	Motor Patrol Graders	\$93.36	15J	11G	8X
Sewer & Water					
Power Equipment	Mucking Machine, Mole,				
Operators- Underground	Tunnel Drill, Boring, Road	\$93.36	15J	11G	8X
Sewer & Water	Header And/or Shield				
Power Equipment	Oil Distributors, Blower				
Operators- Underground	Distribution & Mulch	\$87.77	15J	11G	8X
Sewer & Water	Seeding Operator				
Power Equipment	Outside Hoists (Elevators				
Operators- Underground	and Manlifts), Air Tuggers,	\$91.81	15J	11G	8X
Sewer & Water	Strato				
Power Equipment	Overhead, bridge type				
Operators- Underground	Crane: 20 tons through 44	\$91.25	7A	11H	8X
Sewer & Water	tons				
Power Equipment	Overhead, bridge type:				
Operators- Underground	100 tons and over	\$92.98	7A	11H	8X
Sewer & Water					
Power Equipment	Overhead, bridge type: 45				
Operators- Underground	tons through 99 tons	\$92.08	7A	11H	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Pavement Breaker	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Pile Driver (other Than	\$92.52	15J	11G	8X
Sewer & Water	Crane Mount)				

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Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$87.77	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Power Plant	\$87.77	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$87.77	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Rigger and Bellman	\$86.60	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$90.55	7A	11H	8X

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Power Equipment					
Operators- Underground	Rollagon	\$93.36	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Roller, Other Than Plant	\$87.77	15J	11G	8X
Sewer & Water	Mix				
Power Equipment					
Operators- Underground	Roller, Plant Mix Or Multi-	\$91.81	15J	11G	8X
Sewer & Water	lift Materials				
Power Equipment					
Operators- Underground	Roto-mill, Roto-grinder	\$92.52	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Saws - Concrete	\$91.81	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Scraper, Self Propelled	\$92.52	15J	11G	8X
Sewer & Water	Under 45 Yards				
Power Equipment					
Operators- Underground	Scrapers - Concrete &	\$91.81	15J	11G	8X
Sewer & Water	Carry All				
Power Equipment					
Operators- Underground	Scrapers, Self-propelled:	\$93.36	15J	11G	8X
Sewer & Water	45 Yards And Over				
Power Equipment					
Operators- Underground	Shotcrete/Gunite	\$87.77	15J	11G	8X
Sewer & Water	Equipment				

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Power Equipment	Shovel, Excavator,				
Operators- Underground	Backhoe, Tractors Under	\$91.81	15J	11G	8X
Sewer & Water	15 Metric Tons				
Power Equipment	Shovel, Excavator,				
Operators- Underground	Backhoe: Over 30 Metric	\$93.36	15J	11G	8X
Sewer & Water	Tons To 50 Metric Tons				
Power Equipment	Shovel, Excavator,				
Operators- Underground	Backhoes, Tractors: 15 To	\$92.52	15J	11G	8X
Sewer & Water	30 Metric Tons				
Power Equipment	Shovel, Excavator,				
Operators- Underground	Backhoes: Over 50 Metric	\$94.30	15J	11G	8X
Sewer & Water	Tons To 90 Metric Tons				
Power Equipment	Shovel, Excavator,				
Operators- Underground	Backhoes: Over 90 Metric	\$95.28	15J	11G	8X
Sewer & Water	Tons				
Power Equipment					
Operators- Underground	Slipform Pavers	\$93.36	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Spreader, Topsider &	\$93.36	15J	11G	8X
Sewer & Water	Screedman				
Power Equipment					
Operators- Underground	Subgrader Trimmer	\$92.52	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Tower Bucket Elevators	\$91.81	15J	11G	8X
Sewer & Water					

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Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$93.95	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Tower crane: up to 175' in height base to boom	\$92.98	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	\$94.85	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	\$93.36	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$91.81	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	\$91.25	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	\$90.55	7A	11H	8X
Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$92.52	15J	11G	8X
Power Equipment Operators- Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$92.52	15J	11G	8X

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Power Equipment					
Operators- Underground	Welder	\$93.36	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Wheel Tractors, Farmall Type	\$87.77	15J	11G	8X
Sewer & Water					
Power Equipment					
Operators- Underground	Yo Yo Pay Dozer	\$92.52	15J	11G	8X
Sewer & Water					
Power Line Clearance Tree Trimmers	Journey Level In Charge	\$69.62	5A	4A	
Power Line Clearance Tree Trimmers	Spray Person	\$65.89	5A	4A	
Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$69.62	5A	4A	
Power Line Clearance Tree Trimmers	Tree Trimmer	\$62.19	5A	4A	
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$45.93	5A	4A	
Refrigeration & Air Conditioning Mechanics	Journey Level	\$104.91	6Z	1G	
Residential Brick Mason	Journey Level	\$76.07	7E	1N	
Residential Carpenters	Journey Level	\$65.88		1	
Residential Cement Masons	Journey Level	\$46.64		1	

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Residential Drywall Applicators	Journey Level	\$78.76	15J	4C
Residential Drywall Tapers	Journey Level	\$81.71	150	11S
Residential Electricians	Journey Level	\$48.80		1
Residential Glaziers	Journey Level	\$38.70		1
Residential Insulation Applicators	Journey Level	\$70.54		1
Residential Laborers	Journey Level	\$29.73		1
Residential Marble Setters	Journey Level	\$27.38		1
Residential Painters	Journey Level	\$33.77		1
Residential Plumbers & Pipefitters	Journey Level	\$61.87		1
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$107.92	7F	1E
Residential Sheet Metal Workers	Journey Level	\$107.92	7F	1E
Residential Soft Floor Layers	Journey Level	\$49.91	15J	4C
Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$63.61		1
Residential Stone Masons	Journey Level	\$76.07	7E	1N

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Residential Terrazzo Workers	Journey Level	\$70.61	7E	1N
Residential Terrazzo/Tile Finishers	Journey Level	\$24.39		1
Residential Tile Setters	Journey Level	\$21.04		1
Roofers	Journey Level	\$70.70	5A	3H
Roofers	Using Irritable Bituminous Materials	\$74.15	5A	3H
Sheet Metal Workers	Journey Level (Field or Shop)	\$107.92	7F	1E
Shipbuilding & Ship Repair	New Construction Boilermaker	\$61.07	7X	4J
Shipbuilding & Ship Repair	New Construction Carpenter	\$51.85	7X	4J
Shipbuilding & Ship Repair	New Construction Crane Operator	\$44.29	7V	1
Shipbuilding & Ship Repair	New Construction Electrician	\$61.12	7X	4J
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$96.42	15H	11C
Shipbuilding & Ship Repair	New Construction Laborer	\$60.73	7X	4J
Shipbuilding & Ship Repair	New Construction Machinist	\$60.93	7X	4J

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Shipbuilding & Ship Repair	New Construction Operating Engineer	\$44.29	7V	1
Shipbuilding & Ship Repair	New Construction Painter	\$60.93	7X	4J
Shipbuilding & Ship Repair	New Construction Pipefitter	\$61.21	7X	4J
Shipbuilding & Ship Repair	New Construction Rigger	\$61.07	7X	4J
Shipbuilding & Ship Repair	New Construction Sheet Metal	\$60.94	7X	4J
Shipbuilding & Ship Repair	New Construction Shipwright	\$51.85	7X	4J
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$44.29	7V	1
Shipbuilding & Ship Repair	New Construction Welder / Burner	\$61.07	7X	4J
Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$61.07	7X	4J
Shipbuilding & Ship Repair	Ship Repair Carpenter	\$51.85	7X	4J
Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$45.06	7Y	4K
Shipbuilding & Ship Repair	Ship Repair Electrician	\$61.12	7X	4J
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$96.42	15H	11C
Shipbuilding & Ship Repair	Ship Repair Laborer	\$60.73	7X	4J

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Shipbuilding & Ship Repair	Ship Repair Machinist	\$60.93	7X	4J
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	7Y	4K
Shipbuilding & Ship Repair	Ship Repair Painter	\$60.93	7X	4J
Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$61.21	7X	4J
Shipbuilding & Ship Repair	Ship Repair Rigger	\$61.07	7X	4J
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$60.94	7X	4J
Shipbuilding & Ship Repair	Ship Repair Shipwright	\$51.85	7X	4J
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	7Y	4K
Sign Makers & Installers (Electrical)	Journey Level	\$60.46	0	1
Sign Makers & Installers (Non-Electrical)	Journey Level	\$38.53	0	1
Soft Floor Layers	Journey Level	\$63.29	15J	4C
Solar Controls For Windows	Journey Level	\$17.13		1
Sprinkler Fitters (Fire Protection)	Journey Level	\$104.44	5C	1X
Stage Rigging Mechanics (Non Structural)	Journey Level	\$17.13		1
Stone Masons	Journey Level	\$76.07	7E	1N

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Street And Parking Lot Sweeper Workers	Journey Level	\$19.09		1	
Surveyors	Assistant Construction Site Surveyor	\$90.55	7A	11H	8X
Surveyors	Chainman	\$86.60	7A	11H	8X
Surveyors	Construction Site Surveyor	\$92.08	7A	11H	8X
Surveyors	Drone Operator (when used in conjunction with survey work only)	\$86.60	7A	11H	8X
Surveyors	Ground Penetrating Radar Operator	\$86.60	7A	11H	8X
Telecommunication Technicians	Journey Level	\$73.97	7E	1E	
Telephone Line Construction - Outside	Cable Splicer	\$42.62	5A	2B	
Telephone Line Construction - Outside	Hole Digger/Ground Person	\$27.97	5A	2B	
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$35.60	5A	2B	
Telephone Line Construction - Outside	Telephone Lineperson	\$40.28	5A	2B	
Terrazzo Workers	Journey Level	\$70.61	7E	1N	
Tile Setters	Journey Level	\$68.61	7E	1N	

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Tile, Marble & Terrazzo Finishers	Finisher	\$59.44	7E	1N
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work (Group 1)	\$95.41	15L	1K
Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	\$62.69	15L	1K
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	\$62.69	15L	1K
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices (Group 2)	\$62.69	15L	1K
Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	\$95.41	15L	1K
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	\$95.41	15L	1K
Traffic Control Stripers	Manufacturing and installation of all car stops	\$62.69***	15L	1K

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and control devices and
similar traffic regulators
(Group 2)

Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	\$62.69	15L	1K	
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	\$95.41	15L	1K	
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	\$95.41	15L	1K	
Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	\$62.69	15L	1K	
Truck Drivers	Asphalt Mix Over 16 Yards	\$82.95	15J	11M	8L
Truck Drivers	Asphalt Mix To 16 Yards	\$82.11	15J	11M	8L
Truck Drivers	Dump Truck	\$82.11	15J	11M	8L
Truck Drivers	Dump Truck & Trailer	\$82.95	15J	11M	8L

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Truck Drivers	Other Trucks	\$82.95	15J	11M	8L
Truck Drivers - Ready Mix	Transit Mix	\$82.95	15J	11M	8L
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$17.71		1	
Well Drillers & Irrigation Pump Installers	Oiler	\$17.13		1	
Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		1	

*****UNOFFICIAL BID COPY*****

Official bid documents, plan holder's list, and addenda (if applicable) are available on BXWA.com

Overtime Codes

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

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

Overtime Codes Continued

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

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

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

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

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

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

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

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

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).
- All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus \$2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

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

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

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

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

Overtime Codes Continued

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

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

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

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

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

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

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

Overtime Codes Continued

11. F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.
- H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.
- J. All hours worked on holidays shall be paid at double the hourly rate of wage.
- K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.
- L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar (\$2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

Overtime Codes Continued

11. M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.
- Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars (\$2.00) per hour.
- N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.
- Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.
- O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Overtime Codes Continued

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.
- In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Q. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.
- R. On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- When a holiday falls on a Saturday, the Friday before shall be the observed holiday. When a holiday falls on a Sunday, the following Monday shall be the observed holiday.
- S. The first ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.
- All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Overtime Codes Continued

11. T. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.
- All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- U. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.
- All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- If, due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift, then a Special Shift may be worked, Monday through Friday, at the straight-time rate. The starting time of work for the Special Shift will be arranged to fit such conditions of work. Such Special Shift shall consist of eight (8) hours of work for eight (8) hours of pay or ten (10) hours of work for ten(10) hours of pay on a four-ten workday schedule.
- V. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- W. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 6 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and Holidays shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Holiday Codes

- 5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

Holiday Codes Continued

- 6. G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

Holiday Codes Continued

- 7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.

Holiday Codes Continued

- 7. X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Holiday Codes Continued

- 15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

Holiday Codes Continued

15. N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- P. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.

Note Codes Continued

8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.
- When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)
- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.
- Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Note Codes Continued

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

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

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

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

(A) – 130’ to 199’ – \$0.50 per hour over their classification rate.

(B) – 200’ to 299’ – \$0.80 per hour over their classification rate.

(C) – 300’ and over – \$1.00 per hour over their classification rate.

- B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

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

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

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

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

- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

Note Codes Continued

9. F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.
- H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.
- I. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- Employees may be required to perform any combination of work within the Diving team/crew, (with the exception of dive Supervisor) provided they are paid at the highest rate at which he/she has worked for the shift.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.
- M. Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$1.50 per hour above their classification rate.
- Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50.
- Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)