



City of Tacoma
Department of Public Works

SPECIFICATION NO. PW23-0264F

**S 21st St. & S C St.
Signal Project**

**Project No. PWK-G0045
Federal Aid Project No. HSIP 2946(001)
State Contract No. LA10085**

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

REQUEST FOR BIDS, SPECIAL PROVISIONS, BID PROPOSAL AND CONTRACT

FOR

SPECIFICATION NO.
PW23-0264F

S 21st St. & S C St. Signal

PROJECT NO. PWK-G0045

Jon Kulju, PMP
Project Manager

Division 1
Chris Storey, P.E.
City of Tacoma
Engineering Division



Division 2-9 Civil Sections
David C Nason, P.E.
AHBL, Inc.



Division 2-9 Traffic Sections
Christopher Grgich, P.E.
Fehr & Peers, Inc.



SPECIFICATION NO. PW23-0264F

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City of Tacoma
Public Works Engineering

REQUEST FOR BIDS PW23-0264F
S 21st St & S C St Signal Project

Submittal Deadline: 11:00 a.m., Pacific Time, Tuesday, December 19, 2023

Submittals must be received by the City's Procurement and Payables Division prior to 11:00 a.m. Pacific Time.

For electronic submittals, the City of Tacoma will designate the time of receipt recorded by our email, sendbid@cityoftacoma.org, as the official time of receipt. This clock will be used as the official time of receipt of all parts of electronic bid submittals. Late submittals will be returned unopened and rejected as non-responsive.

Submittal Delivery: Sealed submittals will be received as follows:

By Email:

sendbid@cityoftacoma.org

Maximum file size: 35 MB. Multiple emails may be sent for each submittal

Bid Opening: Sealed submittals in response to a RFB will be opened Tuesday's at 11:15 AM by a purchasing representative and read aloud during a public bid opening held at the Tacoma Public Utilities Administrative Building North, 3628 S. 35th Street, Tacoma, WA 98409, conference room M-1, located on the main floor. They will also be held virtually Tuesday's at 11:15 AM. Attend [via this link](#) or call 1 (253) 215 8782. Submittals in response to an RFP, RFQ or RFI will be recorded as received. As soon as possible, after 1:00 PM, on the day of submittal deadline, preliminary results will be posted to www.TacomaPurchasing.org.

Solicitation Documents: An electronic copy of the complete solicitation documents may be viewed and obtained at the City's plan distribution service provider, ARC, 632 Broadway, Tacoma, WA, or by going to <http://www.e-arc.com/location/tacoma>. Prospective bidders will be required to pay reproduction costs. A list of vendors registered for this solicitation is also available at their website.

Pre-Proposal Meeting: A pre-proposal meeting will not be held.

Project Scope: Install a traffic signal with accessible pedestrian signals and push buttons, curb ramps, and ITS system.

The Disadvantaged Business Enterprise (DBE) goal for this work is 12%.

Estimate: \$920,000


Paid Sick Leave: The City of Tacoma requires all employers to provide paid sick leave in accordance with State of Washington law.

Americans with Disabilities Act (ADA Information): The City of Tacoma, in accordance with Section 504 of the Rehabilitation Act (Section 504) and the Americans with Disabilities Act (ADA), commits to nondiscrimination on the basis of disability, in all of its programs and activities. Specification materials can be made available in an alternate format by emailing the contact listed below in the *Additional Information* section.

Title VI Information: "The City of Tacoma" in accordance with provisions of Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. sections 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, national origin in consideration of award.

Disadvantaged Business Enterprise (DBE) Assurance Statement

The contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49

 Meeting sites are accessible to persons with disabilities. Reasonable accommodations for persons with disabilities can be arranged with 48 hours advance notice by calling 253-502-8468.



**City of Tacoma
Public Works Engineering**


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CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carryout these requirements is a material breach of this contract which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; or
- (4) Disqualifying the contractor from future bidding as non-responsible.

Additional Information: Requests for information regarding the specifications may be obtained by contacting Carly Fowler, Senior Buyer by email to cfowler@cityoftacoma.org.

Protest Policy: City of Tacoma protest policy, located at www.tacomapurchasing.org, specifies procedures for protests submitted prior to and after submittal deadline.

 Meeting sites are accessible to persons with disabilities. Reasonable accommodations for persons with disabilities can be arranged with 48 hours advance notice by calling 253-502-8468.

SPECIAL REMINDER TO ALL BIDDERS

HEALTH & SAFETY: Be sure to comply with all City of Tacoma health and safety requirements.

PLEASE NOTE: Be sure you have complied with all specifications and requirements and have signed all required documents.

YOUR ATTENTION IS PARTICULARLY CALLED to the following forms, which must be executed in full and submitted with your bid response:

1. **BID PROPOSAL:** The unit prices bid must be shown in the space provided. Check your computations for omissions and errors.
2. **BID PROPOSAL SIGNATURE SHEET:** To be filled in and executed by a duly authorized officer or representative of the bidding entity. If the bidder is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.
3. **BID BOND:** The Bid Bond must be executed by the person legally authorized to sign the bid, and must be properly signed by the representatives of the surety company unless the bid is accompanied by a certified check. If Bid Bond is furnished, the form furnished by the City must be followed; no variations from the language thereof will be accepted. The amount of the Bid Bond must be not less than 5% of the total amount bid.
4. **NON-COLLUSION DECLARATION:** Must be returned by the bidder and included with the submittal.

FAILURE TO RETURN THE AFOREMENTIONED NON-COLLUSION DECLARATION AND TO SUBMIT SAID DECLARATION WITH THE BID SHALL BE DUE CAUSE FOR REJECTION OF BID.

5. **CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES:** Bidder shall complete this form in its entirety to ensure compliance with state legislation (SHB 2017).
6. **STATE RESPONSIBILITY AND RECIPROCAL BID PREFERENCE INFORMATION:** Bidder shall complete this form in its entirety to ensure compliance with state legislation (SHB 2010).
7. **SUBCONTRACTOR LIST:** Bidder shall list all subcontractor(s) proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW. Bidder shall also list all subcontractor(s) proposed to perform the work of structural steel installation and/or rebar installation.

FAILURE TO LIST SUBCONTRACTORS WILL RESULT IN THE BID BEING NON RESPONSIVE AND THEREFORE VOID.

8. DBE UTILIZATION CERTIFICATE: For federal purposes, DBEs proposed to be used on this project shall be shown as a DBE listed in the current Office of Minority and Women's Business Enterprises (OMWBE) Directory, or who can produce written proof from OMWBE showing they were certified as a DBE as of the date fixed for opening bids. When DBE goals are established failure to submit this form will render the proposal as non-responsive. The federal DBE goal for this project is twelve percent (12%).
9. ACKNOWLEDGEMENT: Must be signed by the bidder and be subscribed and sworn to before a Notary Public. Be sure all parties whose signatures are legally necessary have signed, whether the bidder be an individual, partnership or corporation.

POST AWARD FORMS EXECUTED UPON AWARD:

- A. CONTRACT: Must be executed by the successful bidder.
- B. PAYMENT BOND TO THE CITY OF TACOMA: Must be executed by the successful bidder and his/her surety company.
- C. PERFORMANCE BOND TO THE CITY OF TACOMA: Must be executed by the successful bidder and his/her surety company.
- D. CERTIFICATE OF INSURANCE: Shall be submitted with all required endorsements.
- E. GENERAL RELEASE.

PART I

BID PROPOSAL AND CONTRACT FORMS

BID PROPOSAL

SPECIFICATION NO. PW23-0264F
S 21st St & S C Street. Signal

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. PWK-G0045 and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices:

- NOTE: 1. Unit prices of all items, all extensions and total amount of bid should be shown. Show unit prices in figures only.
2. The notations below the item numbers refer to the specification section where information may be found regarding each contract item. These notations are intended only as a guide and are not warranted to refer to all specification sections where information may be found.

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-1	1-05	Roadway Surveying	Lump Sum	1	Lump Sum	\$ _____
R-2	1-05	Record Drawings	Lump Sum	1	\$5,000 Min. Bid Lump Sum	\$ _____
R-3	1-07	SPCC Plan	Lump Sum	1	Lump Sum	\$ _____
R-4	1-09	Mobilization	Lump Sum	1	Lump Sum	\$ _____
R-5	1-10	Pedestrian Traffic Control	Lump Sum	1	Lump Sum	\$ _____
R-6	1-10	Project Temporary Traffic Control	Lump Sum	1	Lump Sum	\$ _____
R-7	2-01	Clearing and Grubbing	Lump Sum	1	Lump Sum	\$ _____
R-8	2-03	Roadway Excavation, Incl. Haul	Cu. Yd.	150	\$ _____	\$ _____
R-9	2-03	Gravel Borrow Incl. Haul	Ton.	20	\$ _____	\$ _____

Contractor's Name: _____
Specification Number: PW23-0264F
S 21st Street & S C Street Signal

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-10	2-14	Remove Existing Pavement, Type I, Class A8	Sq. Yd.	242	\$ _____	\$ _____
R-11	2-14	Remove Existing Pavement, Type III, Class A8	Sq. Yd.	78	\$ _____	\$ _____
R-12	2-14	Remove Existing Pavement, Type III, Class A2	Sq. Yd.	66	\$ _____	\$ _____
R-13	2-14	Remove Existing Pavement, Type I, Class C6	Sq. Yd.	220	\$ _____	\$ _____
R-14	2-15	Remove Curb and Gutter	Lin. Ft.	182	\$ _____	\$ _____
R-15	2-06	Subgrade Maintenance and Protection Plan	Lump Sum	1	Lump Sum	\$ _____
R-16	4-04	Crushed Surfacing Top Course	Ton	30	\$ _____	\$ _____
R-17	4-04	Crushed Surfacing Base Course	Ton	81	\$ _____	\$ _____
R-18	5-04	Planing Bituminous Pavement	Sq. Yd.	615	\$ _____	\$ _____
R-19	5-04	HMA CL 1/2" PG 58H-22 for Pavement Patch	Ton	32	\$ _____	\$ _____
R-20	5-04	HMA CL 1/2" PG58H-22	Ton	25	\$ _____	\$ _____
R-21	7-05	Adjust Existing Catch Basin, Furnish New Frame and Grate	Each	3	\$ _____	\$ _____
R-22	7-05	Catch Basin Type 1, Frame and Grate	Each	1	\$ _____	\$ _____
R-23	7-05	Adjust Existing Manhole Furnish New Frame and Cover	Each	4	\$ _____	\$ _____
R-24	8-01	Inlet Protection	Each	3	\$ _____	\$ _____
R-25	8-01	Erosion/Water Pollution Control	Lump Sum	1	Lump Sum	\$ _____
R-26	8-01	Stormwater Pollution Prevention Plan (SWPPP)	Lump Sum	1	Lump Sum	\$ _____

Contractor's Name: _____
Specification Number: PW23-0264F
S 21st Street & S C Street Signal

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-27	8-02	Seeding and Fertilizing by Hand	Sq. Yd.	55	\$ _____	\$ _____
R-28	8-02	Bark or Wood Chip Mulch	Sq. Yd.	35	\$ _____	\$ _____
R-29	8-02	Plant Selection, Chamacyparis Obtusa "Gracilis"	Each	1	\$ _____	\$ _____
R-30	8-02	Plant Selection, Epimedium X Perralchicum "Frohnleiten"	Each	20	\$ _____	\$ _____
R-31	8-02	Plant Selection, Cornus Stolonifera "Kelseyi"	Each	5	\$ _____	\$ _____
R-32	8-02	Topsoil Type B	Cu. Yd.	20	\$ _____	\$ _____
R-33	8-04	Cement Conc. Traffic Curb and Gutter	Lin. Ft.	210	\$ _____	\$ _____
R-34	8-06	Cement Conc. Driveway Entrance Type I	Sq. Yd.	50	\$ _____	\$ _____
R-35	8-09	Raised Pavement Marker Type 2	Hun.	0.6	\$ _____	\$ _____
R-36	8-13	Poured Monument	Each	1	\$ _____	\$ _____
R-37	8-14	Cement Conc. Sidewalk	Sq. Yd.	231	\$ _____	\$ _____
R-38	8-14	Cement Conc. Curb Ramp Type ____	Each	7	\$ _____	\$ _____
R-39	8-20	Traffic Signal System, Complete "S 21 st Street & S C Street"	Lump Sum	1	Lump Sum	\$ _____
R-40	8-20	ITS System, Complete "Jefferson Ave to S C Street"	Lump Sum	1	Lump Sum	\$ _____
R-41	8-21	Permanent Signing	Lump Sum	1	Lump Sum	\$ _____
R-42	8-22	Removing Paint Line	Lin. Ft.	993	\$ _____	\$ _____
R-43	8-22	Removing Painted Traffic Marking	Each	7	\$ _____	\$ _____

Contractor's Name: _____
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Item No.	Sept.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-44	8-22	Plastic Traffic Arrow	Each	3	\$ _____	\$ _____
R-45	8-22	Plastic Wide Line	Lin. Ft.	70	\$ _____	\$ _____
R-46	8-22	Plastic Traffic Letter	Each	4	\$ _____	\$ _____
R-47	8-22	Plastic Stop Line	Lin. Ft.	80	\$ _____	\$ _____
R-48	8-22	Plastic Crosshatch Marking	Lin. Ft.	160	\$ _____	\$ _____
R-49	8-22	Paint Line	Lin. Ft.	600	\$ _____	\$ _____
R-50	8-22	Plastic Line	Lin. Ft.	600	\$ _____	\$ _____
R-51	8-22	Plastic Crosswalk Line	Lin. Ft.	560	\$ _____	\$ _____

TOTAL BASE BID FOR ITEMS R-1 THRU R-51 \$ _____

Proposal for Incorporating Recycled Materials into the Project

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

Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions.

Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

Bidder: _____

Signature of Authorized Official: _____

Date: _____

Contractor's Name: _____

Specification Number: PW23-0264F

S 21st Street & S C Street Signal

BID PROPOSAL SIGNATURE SHEET

The total bid price for completion of all the work required in accordance with the Plans and specifications, together with any and all Addenda issued as a Supplement thereto, is

\$ _____ (GRAND TOTAL FROM BID PROPOSAL)

ACKNOWLEDGMENT OF ADDENDUM FOR:
PW23-0264F

S 21st St. & S C St. Signal Project

#1 _____ (initial)
#2 _____ (initial)
#3 _____ (initial)
#4 _____ (initial)

Bidder: _____

Signed: _____ Title: _____

Print Name: _____

Address: _____ City/State/Zip: _____

Telephone Number: _____ Date: _____

Contractor's Registration Number: _____

- NOTE: 1. If the bidder is a co-partnership, so state, giving firm name under which business is transacted.
2. If the bidder is a corporation, this Bid Proposal must be executed by its duly authorized officials.
3. The bidder agrees, by submitting a bid under these Specifications, that in the event any litigation should arise concerning the submission of bids or the award of contract under this Specification or Request for Bids, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

CITY OF TACOMA

Elizabeth Pauli
CITY MANAGER

Local Agency Certification for Federal-Aid Contracts

The prospective participant certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is material representation of the fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Herewith find deposit in the form of a cashier's check in the amount of \$ _____ which amount is not less than 5-percent of the total bid.

SIGN HERE _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the City of Tacoma, as Obligee, in the penal sum of _____ dollars, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for

according to the terms of the proposal or bid made by the Principal therefor, 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 faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall, in case of failure to do so, 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:

SURETY:

_____, 20_____

Received return of deposit in the sum of \$ _____



City of Tacoma

Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (**November 28, 2023**), that the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

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

Bidder

Signature of Authorized Official*

Printed Name

Title

Date

City

State

Check One:

Individual

Partnership

Joint Venture

Corporation

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

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

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

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

NON-COLLUSION DECLARATION

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

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

NOTICE TO ALL BIDDERS

To report rigging activities call:

1-800-424-9071

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

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

Specification No. _____

Name of Bidder: _____

State Responsibility and Reciprocal Bid Preference Information

Certificate of registration as a contractor
(Must be in effect at the time of bid submittal):

Number: _____

Effective Date: _____

Expiration Date: _____

Current Washington Unified Business Identifier
(UBI) Number:

Number: _____

Do you have industrial insurance (workers' compensation)
Coverage nor your employees working in Washington?

Yes No
 Not Applicable

Washington Employment Security Department Number

Number: _____

Not Applicable

Washington Department of Revenue state excise tax
Registration number:

Number: _____

Not Applicable

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

Yes No
If yes, provide an explanation of your
disqualification on a separate page.

Do you have a physical office located in the state of
Washington?

Yes No

If incorporated, in what state were you incorporated?

State: _____ Not Incorporated

If not incorporated, in what state was your business
entity formed?

State: _____

Have you completed the training required by RCW
39.04.350, or are you on the list of exempt businesses
maintained by the Department of Labor and Industries?

Yes No

List of Subcontractor Categories of Work

Project Name _____

Subcontractor(s) that are proposed to perform the work of heating, ventilation and air conditioning, and/or plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. **This information must be submitted with the bid proposal or within one hour of the published bid submittal time via email to sendbid@cityoftacoma.org.**

Subcontractor(s) that are proposed to perform the work of structural steel installation and/or rebar installation must be listed below. **This information must be submitted with the bid proposal or within forty-eight hours of the published bid submittal time via email to sendbid@cityoftacoma.org.**

Failure to list subcontractors or naming more than one subcontractor to perform the same work will result in your bid being non-responsive. Contractors self-performing must list themselves below. The work to be performed is to be listed below the subcontractor(s) name.

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____

Subcontractor Name _____
Work to be Performed _____



Disadvantaged Business Enterprise Utilization Certification

To be eligible for Award of this Contract the Bidder shall fill out and submit, as a supplement to its sealed Bid Proposal, a Disadvantaged Business Enterprise (DBE) Utilization Certification. The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal that does not contain a DBE Utilization Certification which properly demonstrates that the Bidder will meet the DBE participation requirements in one of the manners provided for in the proposed Contract. **Refer to the instructions on Page 2 when filling out this form or the Bid may be rejected. An example form has been provided on Page 3.** The successful Bidder's DBE Utilization Certification shall be deemed a part of the resulting Contract.

Box 1: _____ certifies that the DBE firms listed below have been contacted regarding participation on this project. If this Bidder is successful on this project and is awarded the Contract, it shall assure that subcontracts or supply agreements are executed with named DBEs. (If necessary, use additional sheets.)

Box 2: _____

Column 1 Name of DBE <small>(See instructions)</small>	Column 2 Project Role <small>(See instructions)</small>	Column 3 Description of Work <small>(See instructions)</small>	Column 4 Dollar Amount Subcontracted to DBE <small>(See instructions)</small>	Column 5 Dollar Amount to be Applied Towards Goal <small>(See instructions)</small>

Disadvantaged Business Enterprise _____

Total DBE Commitment Dollar Amount _____

Condition of Award Contract Goal Box 3

Box 4

5 By checking Box 5 the Bidder is stating that their attempts to solicit sufficient DBE participation to meet the COA Contract goal has been unsuccessful and good faith effort will be submitted in accordance with Section 1-02.9 of the Contract

Instructions for Disadvantaged Business Enterprise Utilization Certification Form

Box 1: Name of Bidder (Proposal holder) submitting Bid.

Box 2: Name of the Project.

Column 1: Name of the Disadvantaged Business Enterprise (DBE). DBE firms can be found using the Diversity Management and Compliance System web page: <https://wsdot.diversitycompliance.com>. Repeat the name of the DBE for each Project Role that will be performed.

Column 2: The Project Role that the DBE will be performing as follows;

- Prime Contractor
- Subcontractor
- Subcontractor (Force Account)
 - Work sublet as Force Account must be listed separately.
- Manufacturer
- Regular Dealer
 - Work sublet to a Regular Dealer must be listed separately.
 - Regular Dealer status must be approved prior to Bid submittal by the Office of Equal Opportunity, Washington State Department of Transportation, on each Contract.
- Broker
 - Work sublet to a Broker must be listed separately.

List each project role to be performed by a single DBE individually on a separate row. The role is used to determine what portion of the amount to be subcontracted (Column 4) may be applied toward meeting the goal (column 5).

Column 3: Provide a description of work to be performed by the DBE. The work to be performed must be consistent with the Certified Business Description of the DBE provided at the Diversity Management and Compliance System web page <https://wsdot.diversitycompliance.com>

- A Bidder subletting a portion of a bid item shall state “**Partial**” and describe the Work that is included.
 - For example; “Electrical (Partial) – Trenching”.
- “Mobilization” will not be accepted as a description of Work.

Column 4: List the total amount to be subcontracted to each DBE for each Project Role they are performing.

Column 5: This is the dollar amount for each line listed in the certification that the prime intends to apply towards meeting the COA Contract goal. It may be that only a portion of the amount subcontracted to a DBE in Column 4 is eligible to be credited toward meeting the goal **See Note 1, Note 2, Note 3**. The Contracting Agency will utilize the sum of this column (Box 4) to determine whether or not the bidder has met the goal. In the event of an arithmetic error in summing column 5 or an error in making appropriate reductions in the amounts in column four, **See Note 1, Note 2, Note 3**, then the mathematics will be corrected and the total (Box 4) will be revised accordingly.

Note 1: For Work sublet as Force Account the bidder **may only claim 50%** of the amount subcontracted (Column 4) towards meeting the goal (Column 5). This information will be used to demonstrate that the DBE contract goal is met at the time that the bidder submits their bid. For example; amount sublet as force account = \$100,000 (Column 4) equates to $(\$100,000 \times 50\%) = \$50,000$ (Column 5) to be applied towards the goal.

Note 2: For Work sublet to a Regular Dealer the bidder **may only claim 60%** of the cost of the materials or supplies (Column 4) towards meeting the goal (Column 5). For example; Material cost = \$100,000 (Column 4) equates to $(\$100,000 \times 60\%) = \$60,000$ (Column 5) to be applied towards the goal

Note 3: For Work sublet to a Broker the bidder **may only claim the fees** paid to a Broker towards meeting the goal (Column 4). For example; amount sublet to a broker = \$100,000 (Column 4) equates to $(\$100,000 \times \text{reasonable fee } \%) = \$$ (Column 5) to be applied towards the goal.

Box 3: Box 3 is the COA Contract goal which is the minimum required DBE participation. The goal stated in the Contract will be in terms of a dollar amount or a percentage in the Contract. When expressed as a percentage you must multiply the percentage times the sum total of all bid items as submitted in the Bidder’s Proposal to determine the dollar goal and write it in Box 3. In the event of an error in this box, the Contracting Agency will revise the amount accordingly.

Box 4: Box 4 is the sum of the values in column 5. **This value must equal or exceed the COA Contract goal amount written in Box 3 or;**

Box 5: Check Box 5 if insufficient DBE Participation has been achieved and a good faith effort is required. Refer to the subsection titled, *Selection of Successful Bidder/Good Faith Efforts (GFE)* in the Contract.

See the *Disadvantaged Business Enterprise Participation* specification in the Contract for more information.

Disadvantaged Business Enterprise Utilization Certification

To be eligible for Award of this Contract the Bidder shall fill out and submit, as a supplement to its sealed Bid Proposal, a Disadvantaged Business Enterprise (DBE) Utilization Certification. The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal that does not contain a DBE Utilization Certification which properly demonstrates that the Bidder will meet the DBE participation requirements in one of the manners provided for in the proposed Contract. **Refer to the instructions on Page 2 when filling out this form or the Bid may be rejected. An example form has been provided on Page 3.** The successful Bidder's DBE Utilization Certification shall be deemed a part of the resulting Contract.

Box 1: A Plus Construction Company certifies that the DBE firms listed below have been contacted regarding participation on this project. If this Bidder is successful on this project and is awarded the Contract, it shall assure that subcontracts or supply agreements are executed with named DBEs. (If necessary, use additional sheets.)

Box 2: US 395, Spokane City Limits to Stevens County Line - Paving and Safety

Column 1 Name of DBE <small>See instructions)</small>	Column 2 Project Role <small>See instructions)</small>	Column 3 Description of Work <small>See instructions)</small>	Column 4 Dollar Amount Subcontracted to DBE <small>See instructions)</small>	Column 5 Dollar Amount to be Applied Towards Goal <small>See instructions)</small>
A Plus Construction Company	Prime	Asphalt and concrete paving, asphalt milling, preleveling and pavement repair	N/A	900,000
In the Line Services, Inc.	Subcontractor (Force Account)	Crack sealing	20,000	10,000
In the Line Services, Inc.	Subcontractor	Guideposts, joint seal, pavement markers, temporary signage, construction sign installation	200,000	200,000
The Everything Guys, LLC	Regular Dealer	Rental and sales of highway construction and related equipment and materials	100,000	60,000
Optimus Prime Trucking, Inc.	Subcontractor	Dump Trucking	50,000	50,000
Metalheads, Inc.	Manufacturer	Dowel Bars	75,000	75,000
Erosion Under Control Co.	Broker	Erosion control blankets, straw bales and wattles, sand bags	15,000	250

EXAMPLE

Disadvantaged Business Enterprise 356,968.16 Total DBE Commitment Dollar Amount 1,295,250
 Condition of Award Contract Goal Box 3 Box 4

5 By checking Box 5 the Bidder is stating that their attempts to solicit sufficient DBE participation to meet the COA Contract goal has been unsuccessful and good faith effort will be submitted in accordance with Section 1-02.9 of the Contract



See Contract Provisions: *DBE Document Submittal Requirements*
Disadvantaged Business Enterprise Participation

THIS FORM SHALL ONLY BE SUBMITTED TO A DBE THAT IS LISTED ON THE CONTRACTOR'S
DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION CERTIFICATION.

THE CONTRACTOR SHALL COMPLETE PART A PRIOR TO SENDING TO THE DBE.

PART A: To be completed by the bidder

The entries below shall be consistent with what is shown on the Bidder's Disadvantaged Business Enterprise
Utilization Certification. Failure to do so will result in Bid rejection.

Contract Title: _____

Bidder's Business Name: _____

DBE's Business Name: _____

Description of DBE's Work: _____

Dollar Amount to be Applied Towards DBE Goal: _____

Dollar Amount to be Subcontracted to DBE*: _____
*Optional Field

PART B: To be completed by the Disadvantaged Business Enterprise

As an authorized representative of the Disadvantaged Business Enterprise, I confirm that we have been
contacted by the Bidder with regard to the referenced project for the purpose of performing the Work described
above. If the Bidder is awarded the Contract, we will enter into an agreement with the Bidder to participate in
the project consistent with the information provided in Part A of this form.

Name (printed): _____

Signature: _____

Title: _____

Address: _____ Date: _____



Disadvantaged Business Enterprise (DBE) Bid Item Breakdown Form

1. Contract Number	2. Contract Name
3. Prime Contractor	4. Prime Contractor Representative Name
5. Prime Contractor Representative Phone Number	6. Prime Contractor Representative Email

Column 1 Name of UDBE <small>(See Instructions)</small>	Column 2 Bid Item # <small>(See Instructions)</small>	Column 3 Full/Partial <small>(See Instructions)</small>	Column 4 Quantity <small>(See Instructions)</small>	Column 5 Description <small>(See Instructions)</small>	Column 6 Unit Price <small>(See Instructions)</small>	Column 7 Total Unit Cost <small>(See Instructions)</small>	Column 8 Dollar Amount to be Applied Towards Goal <small>(See Instructions)</small>
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Subtotal:							
TOTAL UDBE Dollar Amount:							

Instructions for Disadvantaged Business Enterprise (DBE) Bid Item Breakdown Form

Box 1: Provide the Contract Number as stated in the project information webpage.

Box 2: Provide the Name of the project as stated in the project information webpage.

Box 3: Provide the Name of the bidder (Proposal holder) submitting Bid.

Box 4: Provide the name of the prime contractor's representative available to contact regarding this form.

Box 5: Provide the phone number of the prime contractor's representative available to contact regarding this form.

Box 6: Provide the email of the prime contractor's representative available to contact regarding this form.

Column 1: Provide the Name of the Disadvantaged Business Enterprise (DBE) Firm. DBE Firms can be found using the search tools under the Firm Certification section of the Diversity Management and Compliance System (DMCS) webpage <https://wsdot.diversitycompliance.com>.

Column 2: Provide the Bid Item Number (as it appears in the engineer's estimate bid check report) available on the project information webpage.

Column 3: If the DBE is performing only part of the bid item, mark "Partial". If the DBE is performing the entire bid item, mark "Complete".

Column 4: Provide the estimated quantity for the specific bid item. For trucking firms, use hour or another unit of measure.

Column 5: Provide a description of the work to be performed by the DBE.

Column 6: Provide the price per unit and specify the type of unit used. For trucking firms, use hour or another unit of measure.

Column 7: Provide the estimated total unit cost amount per bid item.

Column 8: Provide the amount of the bid item being used to fulfil the DBE goal. The work to be performed must be consistent with the Certified Business Description of the DBE provided in the DMCS webpage <https://wsdot.diversitycompliance.com>. Mobilization up to 10% is acceptable. If mobilization is more than 10% additional information and/or justification may be requested. The total amount shown for each DBE shall match the amount shown on the DBE Utilization Certification Form.

Use Additional Sheets if necessary.



Disadvantaged Business Enterprise (DBE) Trucking Credit Form

PART A: TO BE COMPLETED BY THE BIDDER

This form is in support of the trucking commitment identified on the DBE Utilization Certification Form submitted with the proposal. Please note that DBE's must be certified prior to time of submittal.

Federal Aid #	Contract #	Project Name
If listing items by hours, or by lump sum amounts, please provide calculations to substantiate the quantities listed.		
Bid Item	Item Description	

Use additional sheets as necessary.

Bidder		Name/Title (please print)
Phone	Fax	Signature
Address		
		I certify that the above information is complete and accurate.
Email		Date

PART B: TO BE COMPLETED BY THE DBE TRUCKING FIRM

Note: DBE trucking firm participation may only be credited as DBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also recognized as a supplier of the materials used on the project and approved for this project as a regular dealer.

- Type of Material expected to be hauled? _____
- Number of fully operational trucks expected to be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____
- Number of trucks and trailers owned by the DBE that will be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____
- Number of trucks and trailers leased by the DBE that will be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____

DBE Firm Name		Name/Title (please print)
Certification Number		
Phone	Fax	Signature
Address		
		I certify that the above information is complete and accurate.
Email		Date

Submit this form to in accordance with section 1-02.9 of the Contract.

Instruction to Bidder: The Bidder shall complete and submit the Disadvantaged Business Enterprise (DBE) Trucking Credit Form in accordance with Section 1-02.9 of the Contract.

INSTRUCTIONS

Please note – All Fields are required

PART A: TO BE COMPLETED BY THE BIDDER

Federal Aid: Include the project federal-aid number.

County: Specify the County where the project will take place.

Contract #: Specify the Project Contract Number which can be found in the Engineer's estimate bid check report.

Bid Item: Provide the Bid Item Number (as it appears in the engineer's estimate bid check report) for which trucking services will be utilized.

Item Description: Provide description of the bid item (as it appears in the engineer's estimate bid check report) for which trucking will be utilized.

Bidder: In this section, provide the bidder's legal name, title, Business address, Phone and email.

The bidder's representative signature is required in addition to the date the form was signed.

PART B: TO BE COMPLETED BY THE DBE TRUCKING FIRM

Question 1: Specify type of material that will be hauled (i.e. Sand, HMA, gravel)

Question 2: Specify the total number of operational trucks that will be used on the project.

Question 3: Specify the total number of operational trucks and trailers owned by the DBE that will be used on the project.

Question 4: Specify the total number of operational trucks and trailers leased by the DBE that will be used on the project.

DBE Firm: In this section, provide the DBE Firm's legal name, DBE Firm's representative legal name and title, certification Number (Found in the firm's OMWBE Profile page in the OMWBE directory), Business address, Phone, fax and email.

The DBE Firm's representative signature is required in addition to the date the form was signed.

ACKNOWLEDGMENT

SPECIFICATION NO. PW23-0264F

The bidder is hereby advised that by signature of this bid proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the Special provisions for this project.

A bid proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

CASH _____ IN THE AMOUNT OF _____

CASHIER'S CHECK _____ _____ Dollars

CERTIFIED CHECK _____ (\$ _____) PAYABLE TO THE CITY TREASURER

BID BOND _____ IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID

**Receipt is hereby acknowledged of Addendum No.(s) ____, ____, ____, & ____.

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Firm Name _____

Signed and sworn to (or affirmed) before me on _____
Date

Notary Public

My appointment expires _____
(Seal or Stamp)

NOTE:

1. This bid proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Secretary of Transportation will be considered for the bid proposal irregular and subsequent rejection of the bid.
2. Please refer to Section 1-02.6 of the standard Specification, re: "Preparation of Proposal," or "Article 4" of the Instructions to Bidders for building construction jobs.

CONTRACT

Resolution No.
Contract No.

This Contract is made and entered into effective as of [Month], [Day], [Year] (“Effective Date”) by and between the City of Tacoma, a Municipal Corporation of the State of Washington (“City”), and [supplier name as it appears in Ariba, including dbas or trade names] (“Contractor”).

That in consideration of the mutual promises and obligations hereinafter set forth the Parties hereto agree as follows:

- I. Contractor shall fully execute and diligently and completely perform all work and provide all services and deliverables described herein and in the items listed below each of which are fully incorporated herein and which collectively are referred to as “Contract Documents”:

 1. Specification No. [Spec Number] [Spec Title] together with all authorized addenda.
 2. Contractor’s submittal [or specifically described portions thereof] dated [Enter Submittal Date] submitted in response to Specification No. [Spec Number] [Spec Title].
 3. Describe with specific detail and list separately any other documents that will make up the contract (fee schedule, work schedule, authorized personnel, etc.) or any other additional items mutually intended to be binding upon the parties.

- II. If federal funds will be used to fund, pay or reimburse all or a portion of the services provided under the Contract, the terms and conditions set forth at this Appendix A are incorporated into and made part of this Contract and CONTRACTOR will comply with all applicable provisions of Appendix A and with all applicable federal laws, regulations, executive orders, policies, procedures, and directives in the performance of this Contract.

If CONTRACTOR’s receipt of federal funds under this Contract is as a sub-recipient, a fully completed Appendix B, “Sub-recipient Information and Requirements” is incorporated into and made part of this Contract.
- III. In the event of a conflict or inconsistency between the terms and conditions contained in this document entitled Contract and any terms and conditions contained the above referenced Contract Documents the following order of precedence applies with the first listed item being the most controlling and the last listed item the least controlling:
 1. Contract, inclusive of Appendices A and B.
 2. List remaining Contract Documents in applicable controlling order.
- IV. The Contract terminates on xxxxx, and may be renewed for xxxxxxxx
- V. The total price to be paid by City for Contractor’s full and complete performance hereunder, including during any authorized renewal terms, may not exceed:
\$[Dollar Amount], plus any applicable taxes.
- VI. Contractor agrees to accept as full payment hereunder the amounts specified herein and in Contract Documents, and the City agrees to make payments at the times and in the manner and upon the terms and conditions specified. Except as may be otherwise provided herein or in Contract Documents Contractor shall provide and bear the expense of all equipment, work and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work and providing the services and deliverables required by this Contract.
- VII. The City’s preferred method of payment is by ePayables (Payment Plus), followed by credit card (aka procurement card), then Electronic Funds Transfer (EFT) by Automated Clearing House (ACH), then check or other cash equivalent. CONTRACTOR may be required to have the capability of accepting the City’s ePayables or credit card methods of payment. The City of Tacoma will not accept price changes or pay additional fees when ePayables (Payment Plus) or credit card is used. The City, in its sole discretion, will determine the method of payment for this Contract.

VIII. Failure by City to identify a deficiency in the insurance documentation provided by Contractor or failure of City to demand verification of coverage or compliance by Contractor with the insurance requirements contained in the Contract Documents shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

IX. Contractor and for its heirs, executors, administrators, successors, and assigns, does hereby agree to the full performance of all the requirements contained herein and in Contract Documents.

It is further provided that no liability shall attach to City by reason of entering into this Contract, except as expressly provided herein.

IN WITNESS WHEREOF, the Parties hereto have accepted and executed this Contract, as of the Effective Date stated above, which shall be Effective Date for bonding purposes as applicable.

CITY OF TACOMA:
Signature:

CONTRACTOR:
Signature:

Name:

Name:

Title:

Title:

(City of Tacoma use only - blank lines are intentional)

Director of Finance: _____

Deputy/City Attorney (approved as to form): _____

Approved By: _____

Approved By: _____

Approved By: _____

Approved By: _____

Approved By: _____

Approved By: _____

**APPENDIX A
FEDERAL FUNDING**

1. Termination for Breach

CITY may terminate this Contract in the event of any material breach of any of the terms and conditions of this Contract if CONTRACTOR's breach continues in effect after written notice of breach and 30 days to cure such breach and fails to cure such breach.

2. Prevailing Wages

1. If federal, state, local, or any applicable law requires CONTRACTOR to pay prevailing wages in connection with this Contract, and CONTRACTOR is so notified by the CITY, then CONTRACTOR shall pay applicable prevailing wages and otherwise comply with the Washington State Prevailing Wage Act (RCW 39.12) in the performance of this Contract.
2. If applicable, a Schedule of Prevailing Wage Rates and/or the current prevailing wage determination made by the Secretary of Labor for the locality or localities where the Contract will be performed is made of part of the Contract by this reference. If prevailing wages apply to the Contract, CONTRACTOR and its subcontractors shall:
 - i. Be bound by and perform all transactions regarding the Contract relating to prevailing wages and the usual fringe benefits in compliance with the provisions of Chapter 39.12 RCW, as amended, the Washington State Prevailing Wage Act and/or the Davis-Bacon Act (40 U.S.C. 3141- 3144, and 3146-3148) and the requirements of 29 C.F.R. pt. 5 as may be applicable, including the federal requirement to pay wages not less than once a week.
 - ii. Ensure that no worker, laborer or mechanic employed in the performance of any part of the Contract shall be paid less than the prevailing rate of wage specified on that Schedule and/or specified in a wage determination made by the Secretary of Labor (unless specifically preempted by federal law, the higher of the Washington state prevailing wage or federal Davis-Bacon rate of wage must be paid.
 - iii. Immediately upon award of the Contract, contact the Department of Labor and Industries, Prevailing Wages section, Olympia, Washington and/or the federal Department of Labor, to obtain full information, forms and procedures relating to these matters. Per such procedures, a Statement of Intent to Pay Prevailing Wages and/or other or additional documentation required by applicable federal law, must be submitted by CONTRACTOR and its subcontractors to the CITY, in the manner requested by the CITY, prior to any payment by the CITY hereunder, and an Affidavit of Wages Paid and/or other or additional documentation required by federal law must be received or verified by the CITY prior to final Contract payment.

3. COPELAND ANTI-KICKBACK ACT

For Contracts subject to Davis Bacon Act the following clauses will be incorporated into the Contract:

- A. CONTRACTOR shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this Contract.
- B. CONTRACTOR or subcontractor shall insert in any subcontracts the clause above and such other clauses federal agencies may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these Contract clauses.

- C. Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

4. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this Contract, CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. If the CONTRACTOR does over \$10,000 in business a year that is funded, paid or reimbursed with federal funds, CONTRACTOR will take specific and affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

- A. Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- B. CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- C. CONTRACTOR will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Contractor's legal duty to furnish information.
- D. CONTRACTOR will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- E. CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- F. In the event of CONTRACTOR's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further federally funded contracts in accordance with procedures

authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

- G. CONTRACTOR will include the portion of the sentence immediately preceding paragraph (A) and the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. CONTRACTOR will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

5. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

- A. Overtime requirements. Neither CONTRACTOR or subcontractor contracting for any part of the Contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- B. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (3)(A) of this section the CONTRACTOR and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such CONTRACTOR and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (3)(A) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (3)(A) of this section.
- C. Withholding for unpaid wages and liquidated damages. The CITY shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the CONTRACTOR or subcontractor under any such contract or any other Federal

contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such CONTRACTOR or sub-contractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (3)(B) of this section.

- D. Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (3)(A) through (D) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime CONTRACTOR shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (3)(A) through (D) of this section.

6. CLEAN AIR ACT

- A. CONTRACTOR agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- B. CONTRACTOR agrees to report each violation to the CITY and understands and agrees that the CITY will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

CONTRACTOR agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal funds.

7. FEDERAL WATER POLLUTION CONTROL ACT

- A. CONTRACTOR agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- B. CONTRACTOR agrees to report each violation to the CITY and understands and agrees that the CITY will, in turn, report each violation as required to assure notification to the appropriate federal agency.
- C. CONTRACTOR agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal funding.

8. DEBARMENT AND SUSPENSION

- A. This Contract is a Covered Transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the CONTRACTOR is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- B. CONTRACTOR must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier Covered Transaction it enters into.

- C. This certification is a material representation of fact relied upon by the CITY. If it is later determined that the CONTRACTOR did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to CITY, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- D. CONTRACTOR agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C throughout the period of this Contract and to include a provision requiring such compliance in its lower tier covered transactions.

9. BYRD ANTI-LOBBYING AMENDMENT

- A. Contractors who apply or bid for an award of \$100,000 or more shall file the required certification with CITY. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the CITY.
- B. If applicable, CONTRACTOR must sign and submit to the CITY the certification required by Appendix A to 44 CFR Part 18 contained at Appendix A-1 to this Contract.

10. PROCUREMENT OF RECOVERED MATERIALS

- A. In the performance of this Contract, CONTRACTOR shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired:
 - i. Competitively within a timeframe providing for compliance with the contract performance schedule;
 - ii. Meeting contract performance requirements; or
 - iii. At a reasonable price.
- B. Information about this requirement, along with the list of EPA- designated items, is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.
- C. CONTRACTOR also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

APPENDIX A-1

**APPENDIX A to 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING
Certification for Contracts, Grants, Loans, and Cooperative Agreements**

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap.38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date

APPENDIX B—Sub-recipient information and requirements

Pursuant to 2 CFR 200.332(a)(1) Federal Award Identification

(i) Agency Name (must match the name associated with its unique entity identifier)		(ii) Unique Entity Identifier <i>(i.e., DUNS)</i>	City of Tacoma Number for This Agreement
(iii) Federal Award Identification Number (FAIN)	(iv) Federal Award Date	(v) Federal Period of Performance Start and End Date	(vi) Federal Budget Period Start and End Date
(vii) Amount of Federal Funds <i>Obligated</i> to the agency <i>by this action</i> : \$	(viii) Total Amount of Federal Funds <i>Obligated</i> to the agency	(ix) Total Amount of the Federal Award <i>Committed</i> to the agency \$	
(x) Federal Award Project Description: CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS– City of Tacoma			
(xi) Federal Awarding Agency: DEPARTMENT OF THE TREASURY	Pass-Through Entity: City of Tacoma	Awarding Official Name and Contact Information:	
(xii) Assistance Listing Number and Name (the pass-through entity must identify the dollar amount made available under each Federal award and the Assistance Listing number at time of disbursement)			(xiii) Identification of Whether the Award is R&D
(xiv) Indirect Cost Rate for the Federal Award	Award Payment Method (lump sum payment or reimbursement) REIMBURSEMENT		



PAYMENT BOND TO THE CITY OF TACOMA

Resolution No.
Bond No.

That we, the undersigned,

as principal, and

as a surety, are jointly and severally held and firmly bound to the CITY OF TACOMA, in the penal sum of,

\$ _____, for the payment whereof Contractor and Surety bind themselves,

their executors, administrators, legal representatives, successors and assigns, jointly and severally, firmly by these presents.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of the City of Tacoma.

WHEREAS, under and pursuant to the City Charter and general ordinances of the City of Tacoma, the said City has or is about to enter with the above bounden principal, a contract, providing for

Specification No.

Specification Title:

Contract No.

(which contract is referenced to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said principal has accepted, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth.

This statutory payment bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall pay all persons in accordance with RCW 39.08, 39.12, and 60.28, 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 shall in any way affect its obligation on this bond, and waives notice of any changes, 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.

No suit or action shall be commenced hereunder by any claimant unless claimant shall have given the written notices to the City, and where required, the Contractor, in accordance with RCW 39.08.030.

The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of claims which may be properly filed in accordance with RCW 39.08 whether or not suit is commenced under and against this bond.

If any claimant shall commence suit and obtain judgment against the Surety for recovery hereunder, then the Surety, in addition to such judgment and attorney fees as provided by RCW 39.08.030, shall also pay such costs and attorney fees as may be incurred by the City as a result of such suit. Venue for any action arising out of or in connection with this bond shall be in Pierce County, WA.

Surety companies executing bonds must be authorized to transact 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. Department of the Treasury.

Resolution No.
Bond No.
Specification No.
Contract No.

One original bond shall be executed, and be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed power of attorney for the office executing on behalf of the surety.

Principal: Enter Vendor Legal Name

By: _____

Surety:

By: _____

Agent's Name: _____

Agent's Address: _____

SAMPLE



PERFORMANCE BOND TO THE CITY OF TACOMA

Resolution No.
Bond No.

That we, the undersigned, _____

as principal, and _____

as a surety, are jointly and severally held and firmly bound to the CITY OF TACOMA, in the penal sum of \$ _____, for the payment whereof Contractor and Surety bind themselves, their executors, administrators, legal representatives, successors and assigns, jointly and severally, firmly by these presents.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of the City of Tacoma.

WHEREAS, under and pursuant to the City Charter and general ordinances of the City of Tacoma, the said City has or is about to enter with the above bounden principal, a contract, providing for

Specification No. _____

Specification Title: _____

Contract No. _____

(which contract is referenced to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said principal has accepted, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth.

This statutory performance bond shall become null and void, if and when the principal, its heirs, executors, administrators, successors, or assigns shall well and faithfully perform all of the Principal's obligations under the Contract and fulfill all 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.

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 increase.

If the City shall commence suit and obtain judgment against the Surety for recovery hereunder, then the Surety, in addition to such judgement, shall pay all costs and attorney's fees incurred by the City in enforcement of its rights hereunder. Venue for any action arising out of in in connection with this bond shall be in Pierce County, Washington.

Surety companies executing bonds must be authorized to transact 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. Department of the Treasury.

One original bond shall be executed, and signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed power of attorney for the office executing on behalf of the surety.

Principal: Enter Vendor Legal Name

By: _____

Surety:

By: _____

Agent's Name: _____

Agent's Address: _____

GENERAL RELEASE TO THE CITY OF TACOMA

The undersigned, named as the contractor for _____
Project / Spec. #
between _____ and the City of Tacoma,
(Themselves or Itself)
dated _____, 20____, hereby releases the City of
Tacoma, its departmental officers and agents from any and all claim or claims
whatsoever in any manner whatsoever at any time whatsoever arising out of and/or in
connection with and/or relating to said contract, excepting only the equity of the
undersigned in the amount now retained by the City of Tacoma under said contract,
to-wit the sum of \$_____.

Signed at Tacoma, Washington this _____ day of _____, 20____.

Contractor

By _____

Title _____

PART II

**REQUIRED FEDERAL AID
CONTRACT PROVISIONS**

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act ([29 CFR part 3](#))), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901–3907](#).

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements (1) Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements (1) Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in [29 CFR part 3](#); and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH-347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature*. The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification*. The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention*. The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents*. The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers*. The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements*. If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures*. Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay*. Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits*. Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio*. The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates*. Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity*. The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;

- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. Instructions for Certification – First Tier Participants:

- a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.
- b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.
- c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.
- d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or

cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

PART III

SPECIAL PROVISIONS

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1 **INTRODUCTION TO THE SPECIAL PROVISIONS**
2 **(December 10, 2020 APWA GSP)**

3
4 The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2023 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter “Standard Specifications”). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

11
12 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.

18
19 The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

21
22 ***(March 8, 2013 APWA GSP)***
23 ***(April 1, 2013 WSDOT GSP)***
24 ***(May 1, 2013 Tacoma GSP)***

25
26 Also incorporated into the Contract Documents by reference are:

- 27 • *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted
- 28 edition, with Washington State modifications, if any
- 29 • *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current
- 30 edition
- 31 • City of Tacoma Standard Plans
- 32 • City of Tacoma Traffic Control Handbook

33
34 Contractor shall obtain copies of these publications, at Contractor’s own expense.

35
36 **DESCRIPTION OF WORK**
37 **(March 13, 1995)**

38
39 This Contract provides for the improvement of a grind and overlay with signal improvements at the intersection of S 21st St & S C St. and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

42
43 **1-01 DEFINITIONS AND TERMS**

44
45 **1-01.3 Definitions**
46 **(January 19, 2022 APWA GSP)**

47
48 *Delete the heading Completion Dates and the three paragraphs that follow it, and replace them*
49 *with the following:*

1
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48

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.

- 1 **Additive**
2 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal,
3 which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.
4
- 5 **Alternate**
6 One of two or more units of work or groups of bid items, identified separately in the Bid
7 Proposal, from which the Contracting Agency may make a choice between different methods or
8 material of construction for performing the same work.
9
- 10 **Business Day**
11 A business day is any day from Monday through Friday except holidays as listed in Section 1-
12 08.5.
13
- 14 **Contract Bond**
15 The definition in the Standard Specifications for "Contract Bond" applies to whatever bond
16 form(s) are required by the Contract Documents, which may be a combination of a Payment
17 Bond and a Performance Bond.
18
- 19 **Contract Documents**
20 See definition for "Contract".
21
- 22 **Contract Time**
23 The period of time established by the terms and conditions of the Contract within which the
24 Work must be physically completed.
25
- 26 **Notice of Award**
27 The written notice from the Contracting Agency to the successful Bidder signifying the
28 Contracting Agency's acceptance of the Bid Proposal.
29
- 30 **Notice to Proceed**
31 The written notice from the Contracting Agency or Engineer to the Contractor authorizing and
32 directing the Contractor to proceed with the Work and establishing the date on which the
33 Contract time begins.
34
- 35 **Traffic**
36 Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and
37 equestrian traffic.
38
39

1 **1-02 BID PROCEDURES AND CONDITIONS**

2
3 **1-02.1 Prequalification of Bidders**

4 *Delete this section and replace it with the following:*

5
6 **1-02.1 Qualifications of Bidder**
7 **(January 24, 2011 APWA GSP)**

8
9 Before award of a public works contract, a bidder must meet at least the minimum qualifications
10 of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a
11 public works project.

12
13 **1-02.2 Plans and Specifications**
14 **(June 27, 2011 APWA GSP)**

15 *Delete this section and replace it with the following:*

16
17 Information as to where Bid Documents can be obtained or reviewed can be found in the Call
18 for Bids (Advertisement for Bids) for the work.

19
20 After award of the contract, plans and specifications will be issued to the Contractor at no cost
21 as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	6	Furnished automatically upon award.
Contract Provisions	6	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	2	Furnished only upon request.

22
23
24 Additional plans and Contract Provisions may be obtained by the Contractor from the source
25 stated in the Call for Bids, at the Contractor's own expense.

26
27 **1-02.4(1) General**
28 **(December 30, 2022 APWA GSP Option B)**

29
30 The first sentence of the ninth paragraph, beginning with "Prospective Bidder desiring...", is
31 revised to read:

32
33 Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall
34 request the explanation or interpretation in writing by close of business 6 business days
35 preceding the bid opening to allow a written reply to reach all prospective Bidders before
36 the submission of their Bids.

1 **1-02.5 Proposal Forms**
2 **(July 31, 2017 APWA GSP)**

3 *Delete this section and replace it with the following:*
4

5 The Proposal Form will identify the project and its location and describe the work. It will also list
6 estimated quantities, units of measurement, the items of work, and the materials to be furnished
7 at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but
8 are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date;
9 and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name,
10 address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if
11 applicable; a State of Washington Contractor's Registration Number; and a Business License
12 Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand,
13 preferably in black ink. The required certifications are included as part of the Proposal Form.
14

15 The Contracting Agency reserves the right to arrange the proposal forms with alternates and
16 additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all
17 alternates and additives set forth in the Proposal Form unless otherwise specified.
18

19 **1-02.6 Preparation of Proposal**
20 **(December 10, 2020 APWA GSP, Option B)**

21
22 *Supplement the second paragraph with the following:*

23 4. If a minimum bid amount has been established for any item, the unit or lump sum
24 price must equal or exceed the minimum amount stated.

25 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed
26 by the signer of the bid.
27

28 *Delete the last two paragraphs, and replace them with the following:*
29

30 The Bidder shall submit with their Bid a completed Contractor Certification Wage Law
31 Compliance form, provided by the Contracting Agency. Failure to return this certification as part
32 of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A
33 Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.
34

35 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.
36

37 A bid by a corporation shall be executed in the corporate name, by the president or a vice
38 president (or other corporate officer accompanied by evidence of authority to sign).
39

40 A bid by a partnership shall be executed in the partnership name, and signed by a partner. A
41 copy of the partnership agreement shall be submitted with the Bid Form if any UDBE
42 requirements are to be satisfied through such an agreement.
43

44 A bid by a joint venture shall be executed in the joint venture name and signed by a member of
45 the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if
46 any UDBE requirements are to be satisfied through such an agreement.
47

48 *Add the following new section:*

1
2 **1-02.6(1) Recycled Materials Proposal**
3 **(January 4, 2016 APWA GSP)**
4

5 The Bidder shall submit with the Bid, its proposal for incorporating recycled materials into the
6 project, using the form provided in the Contract Provisions.
7

8 **1-02.7 Bid Deposit**
9 **(June 14, 2023 Tacoma GSP)**

10 Delete this section and replace it with the following:
11

12 A deposit of at least 5 percent of the total Bid shall accompany each Bid. This deposit may be
13 certified check, cashier's check, or a proposal bond (Surety bond). Proposal bonds shall be on
14 the Contracting Agency's form and shall be signed by the Bidder and the Surety. A proposal
15 bond shall not be conditioned in any way to modify the minimum 5 percent required. The Surety
16 shall: (1) be registered with the Washington State Insurance Commissioner, and (2) appear on
17 the current Authorized Insurance List in the State of Washington published by the Office of the
18 Insurance Commissioner.
19

20 The failure to furnish a Bid deposit of a minimum of 5 percent shall make the Bid nonresponsive
21 and shall cause the Bid to be rejected by the Contracting Agency.
22

23 If submitting your bid electronically, a scanned version of the original bid bond or cashier's
24 check shall accompany your electronic bid submittal. The original bid bond or cashier's check
25 shall be sent to the Contracting Agency and received by the Contracting Agency prior to the bid
26 opening or the bidder may be deemed non-responsive.
27

28 **Original bid bonds or cashier's check will be delivered to:**
29

30 City of Tacoma Procurement & Payables Division
31 Tacoma Public Utilities
32 P.O. Box 11007
33 Tacoma, WA 98411-0007
34

35 **1-02.9 Delivery of Proposal**
36 **(January 19, 2022 APWA GSP Option B)**
37

38 *Delete this section and replace it with the following:*
39

40 Each Proposal shall be submitted in a sealed envelope, with the Project Name and Project
41 Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as
42 otherwise required in the Bid Documents, to ensure proper handling and delivery.
43

44 To be considered responsive on a FHWA-funded project, the Bidder may be required to submit
45 the following items, as required by Section 1-02.6:
46

- 47
48
49
 - DBE Utilization Certification (WSDOT 272-056)

- DBE Written Confirmation Document (WSDOT 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification
- Good Faith Effort (GFE) Documentation
- DBE Bid Item Breakdown (WSDOT 272-054)
- DBE Trucking Credit Form (WSDOT 272-058)

DBE Utilization Certification

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

DBE Written Confirmation and/or GFE Documentation

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

DBE Bid Item Breakdown and DBE Trucking Credit Form

The DBE Bid Item Breakdown and the DBE Trucking Credit Forms (if applicable) shall be received either with the Bid Proposal or as a Supplement to the Bid. The documents shall be received no later than 48 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. To be considered responsive, Bidders shall submit a completed DBE Bid Item Breakdown and a DBE Trucking Credit Form for each DBE Trucking firm listed on the DBE Utilization Certification, however, minor errors and corrections to DBE Bid Item Breakdown or DBE Trucking Credit Forms will be returned for correction for a period up to five calendar days (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. A DBE Bid Item Breakdown or DBE Trucking Credit Forms that are still incorrect after the correction period will be determined to be non-responsive.

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 e-mail to the following e-mail address: sendbid@cityoftacoma.org

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

1
2 If an emergency or unanticipated event interrupts normal work processes of the Contracting
3 Agency so that Proposals cannot be received at the office designated for receipt of bids as
4 specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to
5 be extended to the same time of day specified in the solicitation on the first work day on
6 which the normal work processes of the Contracting Agency resume.
7

8 **1-02.10 Withdrawing, Revising, or Supplementing Proposal**
9 **(October 5, 2023 Tacoma GSP)**

10 *Delete this section and replace it with the following:*

11
12 After submitting a Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or
13 supplement it if:

- 14
15 1. The Bidder submits a written request signed by an authorized person and physically
16 delivers it to:

17
18 City of Tacoma Procurement & Payables Division
19 Tacoma Public Utilities
20 3628 S 35th Street
21 Tacoma, WA 98409
22

- 23 2. The Contracting Agency receives the request before the time set for receipt of
24 Proposals, and
25 3. The revised or supplemented Bid Proposal (if any) is received by the Contracting
26 Agency before the time set for receipt of Bid Proposals.
27

28 If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the
29 time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal
30 package to the Bidder. The Bidder must then submit the revised or supplemented package in
31 its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall
32 be considered withdrawn.
33

34 Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded
35 by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to
36 withdraw, revise, or supplement a Bid Proposal are not acceptable.
37

38 **1-02.12 Public Opening of Proposals**
39 **(June 14, 2023 Tacoma GSP)**

40
41 *Delete this section and replace it with the following:*

42
43 Proposals will be opened and publicly read via webcast at the time indicated in the call for Bids
44 unless the Bid opening has been delayed or canceled.
45
46
47

48 This public bid opening will be held via webinar. Please use the link below or on the Request for
49 Bids page to join the webinar:
50

1 <https://us06web.zoom.us/j/88402680573?pwd=eThSaXZxNER0TWRhUGx6U0F2cURMZz09>

2
3 Preliminary and final bid results are posted at www.TacomaPurchasing.org.

4
5 **1-02.13 Irregular Proposals**
6 **(December 30, 2022 APWA GSP)**

7
8 *Delete this section and replace it with the following:*

- 9
10 1. A Proposal will be considered irregular and will be rejected if:
- 11 a. The Bidder is not prequalified when so required;
 - 12 b. The authorized Proposal form furnished by the Contracting Agency is not used or
 - 13 is altered;
 - 14 c. The completed Proposal form contains any unauthorized additions, deletions,
 - 15 alternate Bids, or conditions;
 - 16 d. The Bidder adds provisions reserving the right to reject or accept the award, or
 - 17 enter into the Contract;
 - 18 e. A price per unit cannot be determined from the Bid Proposal;
 - 19 f. The Proposal form is not properly executed;
 - 20 g. The Bidder fails to submit or properly complete a subcontractor list (WSDOT
 - 21 Form 271-015), if applicable, as required in Section 1-02.6;
 - 22 h. The Bidder fails to submit or properly complete a Disadvantaged Business
 - 23 Enterprise Certification (WSDOT Form 272-056), if applicable, as required in
 - 24 Section 1-02.6;
 - 25 i. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from
 - 26 each DBE firm listed on the Bidder's completed DBE Utilization Certification that
 - 27 they are in agreement with the bidder's DBE participation commitment, if
 - 28 applicable, as required in Section 1-02.6, or if the written confirmation that is
 - 29 submitted fails to meet the requirements of the Special Provisions;
 - 30 j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as
 - 31 required in Section 1-02.6, or if the documentation that is submitted fails to
 - 32 demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - 33 k. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if
 - 34 applicable, as required in Section 1-02.6, or if the documentation that is
 - 35 submitted fails to meet the requirements of the Special Provisions;
 - 36 l. The Bidder fails to submit DBE Trucking Credit Forms (WSDOT Form 272-058),
 - 37 if applicable, as required in Section 1-02.6, or if the documentation that is
 - 38 submitted fails to meet the requirements of the Special Provisions;
 - 39 m. The Bid Proposal does not constitute a definite and unqualified offer to meet the
 - 40 material terms of the Bid invitation; or
 - 41 n. More than one Proposal is submitted for the same project from a Bidder under
 - 42 the same or different names.
- 43
44 2. A Proposal may be considered irregular and may be rejected if:
- 45 a. The Proposal does not include a unit price for every Bid item;
 - 46 b. Any of the unit prices are excessively unbalanced (either above or below the
 - 47 amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
 - 48 c. Receipt of Addenda is not acknowledged;

- d. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
- e. If Proposal form entries are not made in ink.

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

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended.

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

If the Contracting Agency determines the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1) and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

**1-02.15 Pre Award Information
(December 30, 2022 APWA GSP)**

Revise this section to read:

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

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

1-03 AWARD AND EXECUTION OF CONTRACT

1 **1-03.1 Consideration of Bids**
2 **(December 30, 2022 APWA GSP)**

3
4 *Revise the first paragraph to read:*

5
6 After opening and reading proposals, the Contracting Agency will check them for correctness of
7 extensions of the prices per unit and the total price. If a discrepancy exists between the price
8 per unit and the extended amount of any bid item, the price per unit will control. If a minimum
9 bid amount has been established for any item and the bidder's unit or lump sum price is less
10 than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or
11 lump sum price, to the minimum specified amount and recalculate the extension. The total of
12 extensions, corrected where necessary, including sales taxes where applicable and such
13 additives and/or alternates as selected by the Contracting Agency, will be used by the
14 Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the
15 amount of the contract bond.

16
17 **1-03.1(1) Identical Bid Totals**
18 **(December 30, 2022 APWA GSP)**

19
20 *Revise this section to read:*

21
22 After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then the tie-
23 breaker will be the Bidder with an equal lowest bid, that proposed to use the highest percentage
24 of recycled materials in the Project, per the form submitted with the Bid Proposal. If those
25 percentages are also exactly equal, then the tie-breaker will be determined by drawing as
26 follows: Two or more slips of paper will be marked as follows: one marked "Winner" and the
27 other(s) marked "unsuccessful". The slips will be folded to make the marking unseen. The slips
28 will be placed inside a box. One authorized representative of each Bidder shall draw a slip from
29 the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the
30 Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip
31 marked "Winner" will be determined to be the successful Bidder and eligible for Award of the
32 Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest
33 responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the
34 highest proposed recycled materials amount, are eligible to draw.

35
36 **1-03.3 Execution of Contract**
37 **(January 19, 2022 APWA GSP)**

38
39 *Revise this section to read:*

40
41 Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the
42 successful Bidder shall provide the information necessary to execute the Contract to the
43 Contracting Agency. The Bidder shall send the contact information, including the full name,
44 email address, and phone number, for the authorized signer and bonding agent to the
45 Contracting Agency.

46
47 Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for
48 signature by the successful bidder on the first business day following award. The number of
49 copies to be executed by the Contractor will be determined by the Contracting Agency.

1 Within 10 calendar days after the award date, the successful bidder shall return the signed
2 Contracting Agency-prepared contract, an insurance certification as required by Section 1-
3 07.18, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage form
4 for the Construction Stormwater General Permit with sections I, III, and VIII completed when
5 provided. Before execution of the contract by the Contracting Agency, the successful bidder
6 shall provide any pre-award information the Contracting Agency may require under Section 1-
7 02.15.

8
9 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting
10 Agency nor shall any work begin within the project limits or within Contracting Agency-furnished
11 sites. The Contractor shall bear all risks for any work begun outside such areas and for any
12 materials ordered before the contract is executed by the Contracting Agency.

13
14 If the bidder experiences circumstances beyond their control that prevents return of the contract
15 documents within the calendar days after the award date stated above, the Contracting Agency
16 may grant up to a maximum of 10 additional calendar days for return of the documents,
17 provided the Contracting Agency deems the circumstances warrant it.

18
19 **1-03.4 Contract Bond**
20 **(July 23, 2015 APWA GSP)**

21 *Delete the first paragraph and replace it with the following:*

22
23 The successful bidder shall provide executed payment and performance bond(s) for the full
24 contract amount. The bond may be a combined payment and performance bond; or be
25 separate payment and performance bonds. In the case of separate payment and performance
26 bonds, each shall be for the full contract amount. The bond(s) shall:

- 27 1. Be on Contracting Agency-furnished form(s);
- 28 2. Be signed by an approved surety (or sureties) that:
 - 29 a. Is registered with the Washington State Insurance Commissioner, and
 - 30 b. Appears on the current Authorized Insurance List in the State of Washington
31 published by the Office of the Insurance Commissioner,
- 32 3. Guarantee that the Contractor will perform and comply with all obligations, duties, and
33 conditions under the Contract, including but not limited to the duty and obligation to
34 indemnify, defend, and protect the Contracting Agency against all losses and claims
35 related directly or indirectly from any failure:
 - 36 a. Of the Contractor (or any of the employees, subcontractors, or lower tier
37 subcontractors of the Contractor) to faithfully perform and comply with all contract
38 obligations, conditions, and duties, or
 - 39 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the
40 Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors,
41 material person, or any other person who provides supplies or provisions for carrying
42 out the work;
- 43 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the
44 project under titles 50, 51, and 82 RCW; and
- 45 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the
46 bond; and
- 47 6. Be signed by an officer of the Contractor empowered to sign official statements (sole
48 proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by
49 the president or vice president, unless accompanied by written proof of the authority of

1 the individual signing the bond(s) to bind the corporation (i.e., corporate resolution,
2 power of attorney, or a letter to such effect signed by the president or vice president).

3
4 **1-03.7 Judicial Review**
5 **(December 30, 2022 APWA GSP)**

6
7 *Revise this section to read:*

8
9 Any decision made by the Contracting Agency regarding the Award and execution of the
10 Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted
11 under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the
12 county where the Contracting Agency headquarters is located, provided that where an
13 action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

1 **1-04 SCOPE OF THE WORK**

2

3 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications,**
4 **and Addenda**

5

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

7

8 *Revise the second paragraph to read:*

9

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

12 1. Addenda,

13 2. Proposal Form,

14 3. Special Provisions,

15 4. Contract Plans,

16 5. Standard Specifications,

17 6. Contracting Agency's Standard Plans or Details (if any), and

18 7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

19

20 **1-04.4 Changes**

21 **(January 19, 2022 APWA GSP)**

22

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

24

25

1 **1-05 CONTROL OF WORK**

2
3 **1-05.4 Conformity With and Deviations from Plans and Stakes**

4
5 Supplement this section with the following:

6
7 *(January 13, 2021 WSDOT GSP Option 2)*

8 **Contractor Surveying – Roadway**

9
10 The Contracting Agency has provided primary survey control in the Plans.

11
12 The Contractor shall be responsible for setting, maintaining, and resetting all alignment
13 stakes, slope stakes, and grades necessary for the construction of the roadbed,
14 drainage, surfacing, paving, channelization and pavement marking, illumination and
15 signals, guardrails and barriers, and signing. Except for the survey control data to be
16 furnished by the Contracting Agency, calculations, surveying, and measuring required
17 for setting and maintaining the necessary lines and grades shall be the Contractor's
18 responsibility.

19
20 The Contractor shall inform the Engineer when monuments are discovered that were
21 not identified in the Plans and construction activity may disturb or damage the
22 monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected
23 throughout the length of the project or be replaced at the Contractors expense.

24
25 Detailed survey records shall be maintained, including a description of the work
26 performed on each shift, the methods utilized, and the control points used. The record
27 shall be adequate to allow the survey to be reproduced. A copy of each day's record
28 shall be provided to the Engineer within three working days after the end of the shift.

29
30 The meaning of words and terms used in this provision shall be as listed in "Definitions
31 of Surveying and Associated Terms" current edition, published by the American
32 Congress on Surveying and Mapping and the American Society of Civil Engineers.

33
34 The survey work shall include but not be limited to the following:

- 35
36
- 37 1. Verify the primary horizontal and vertical control furnished by the Contracting Agency,
38 and expand into secondary control by adding stakes and hubs as well as additional survey
39 control needed for the project. Provide descriptions of secondary control to the
40 Contracting Agency. The description shall include coordinates and elevations of all
41 secondary control points.
 - 42 2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks
43 on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs)
44 and at points on the alignments spaced no further than 50 feet.
 - 45 3. Establish clearing limits, placing stakes at all angle points and at intermediate points not
46 more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe
47 of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.
 - 48 4. Establish grading limits, placing slope stakes at centerline increments not more than 50
49 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite
- 50

(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)

1	Roadway paving pins for		
2	surfacing or paving	±0.01 feet	±0.2 feet
3			(parallel to alignment)
4			±0.1 feet
5			(normal to alignment)
6			

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

9
10 When staking roadway alignment and stationing, the Contractor shall perform
11 independent checks from different secondary control to ensure that the points staked
12 are within the specified survey accuracy tolerances.

13
14 The Contractor shall calculate coordinates for the alignment. The Contracting Agency
15 will verify these coordinates prior to issuing approval to the Contractor for commencing
16 with the work. The Contracting Agency will require up to seven calendar days from the
17 date the data is received.

18
19 Contract work to be performed using contractor-provided stakes shall not begin until the
20 stakes are approved by the Contracting Agency. Such approval shall not relieve the
21 Contractor of responsibility for the accuracy of the stakes.

22
23 Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are
24 needed that are not described in the Plans, then those stakes shall be marked, at no
25 additional cost to the Contracting Agency as ordered by the Engineer.

26
27 **Payment**

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

29
30 "Roadway Surveying", lump sum.

31
32 The lump sum contract price for "Roadway Surveying" shall be full pay for all labor,
33 equipment, materials, and supervision utilized to perform the Work specified, including
34 any resurveying, checking, correction of errors, replacement of missing or damaged
35 stakes, and coordination efforts.

36
37 **1-05.7 Removal of Defective and Unauthorized Work**
38 **(October 1, 2005 APWA GSP)**

39 *Supplement this section with the following:*

40
41 If the Contractor fails to remedy defective or unauthorized work within the time specified in a
42 written notice from the Engineer, or fails to perform any part of the work required by the Contract
43 Documents, the Engineer may correct and remedy such work as may be identified in the written
44 notice, with Contracting Agency forces or by such other means as the Contracting Agency may
45 deem necessary.

46
47 If the Contractor fails to comply with a written order to remedy what the Engineer determines to
48 be an emergency situation, the Engineer may have the defective and unauthorized work

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

5
6 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and
7 remedying defective or unauthorized work, or work the Contractor failed or refused to perform,
8 shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or
9 to become due, the Contractor. Such direct and indirect costs shall include in particular, but
10 without limitation, compensation for additional professional services required, and costs for
11 repair and replacement of work of others destroyed or damaged by correction, removal, or
12 replacement of the Contractor's unauthorized work.

13
14 No adjustment in Contract time or compensation will be allowed because of the delay in the
15 performance of the work attributable to the exercise of the Contracting Agency's rights provided
16 by this Section.

17
18 The rights exercised under the provisions of this section shall not diminish the Contracting
19 Agency's right to pursue any other avenue for additional remedy or damages with respect to the
20 Contractor's failure to perform the work as required.

21 22 **1-05.11 Final Inspection**

23 *Delete this section and replace it with the following:*

24 25 **1-05.11 Final Inspections and Operational Testing** 26 **(October 1, 2005 APWA GSP)**

27 28 **1-05.11(1) Substantial Completion Date**

29
30 When the Contractor considers the work to be substantially complete, the Contractor shall so
31 notify the Engineer and request the Engineer establish the Substantial Completion Date. The
32 Contractor's request shall list the specific items of work that remain to be completed in order to
33 reach physical completion. The Engineer will schedule an inspection of the work with the
34 Contractor to determine the status of completion. The Engineer may also establish the
35 Substantial Completion Date unilaterally.

36
37 If, after this inspection, the Engineer concurs with the Contractor that the work is substantially
38 complete and ready for its intended use, the Engineer, by written notice to the Contractor, will
39 set the Substantial Completion Date. If, after this inspection the Engineer does not consider the
40 work substantially complete and ready for its intended use, the Engineer will, by written notice,
41 so notify the Contractor giving the reasons therefore.

42
43 Upon receipt of written notice concurring in or denying substantial completion, whichever is
44 applicable, the Contractor shall pursue vigorously, diligently and without unauthorized
45 interruption, the work necessary to reach Substantial and Physical Completion. The Contractor
46 shall provide the Engineer with a revised schedule indicating when the Contractor expects to
47 reach substantial and physical completion of the work.

48
49 The above process shall be repeated until the Engineer establishes the Substantial Completion
50 Date and the Contractor considers the work physically complete and ready for final inspection.

1
2 **1-05.11(2) Final Inspection and Physical Completion Date**
3

4 When the Contractor considers the work physically complete and ready for final inspection, the
5 Contractor by written notice, shall request the Engineer to schedule a final inspection. The
6 Engineer will set a date for final inspection. The Engineer and the Contractor will then make a
7 final inspection and the Engineer will notify the Contractor in writing of all particulars in which the
8 final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately
9 take such corrective measures as are necessary to remedy the listed deficiencies. Corrective
10 work shall be pursued vigorously, diligently, and without interruption until physical completion of
11 the listed deficiencies. This process will continue until the Engineer is satisfied the listed
12 deficiencies have been corrected.
13

14 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written
15 notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take
16 whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.
17 The Contractor will not be allowed an extension of Contract time because of a delay in the
18 performance of the work attributable to the exercise of the Engineer's right hereunder.
19

20 Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting
21 Agency, in writing, of the date upon which the work was considered physically complete. That
22 date shall constitute the Physical Completion Date of the Contract, but shall not imply
23 acceptance of the work or that all the obligations of the Contractor under the contract have been
24 fulfilled.
25

26 **1-05.11(3) Operational Testing**
27

28 It is the intent of the Contracting Agency to have at the Physical Completion Date a complete
29 and operable system. Therefore, when the work involves the installation of machinery or other
30 mechanical equipment; street lighting, electrical distribution or signal systems; irrigation
31 systems; buildings; or other similar work it may be desirable for the Engineer to have the
32 Contractor operate and test the work for a period of time after final inspection but prior to the
33 physical completion date. Whenever items of work are listed in the Contract Provisions for
34 operational testing they shall be fully tested under operating conditions for the time period
35 specified to ensure their acceptability prior to the Physical Completion Date. During and
36 following the test period, the Contractor shall correct any items of workmanship, materials, or
37 equipment which prove faulty, or that are not in first class operating condition. Equipment,
38 electrical controls, meters, or other devices and equipment to be tested during this period shall
39 be tested under the observation of the Engineer, so that the Engineer may determine their
40 suitability for the purpose for which they were installed. The Physical Completion Date cannot
41 be established until testing and corrections have been completed to the satisfaction of the
42 Engineer.
43

44 The costs for power, gas, labor, material, supplies, and everything else needed to successfully
45 complete operational testing, shall be included in the unit Contract prices related to the system
46 being tested, unless specifically set forth otherwise in the proposal.
47

48 Operational and test periods, when required by the Engineer, shall not affect a manufacturer's
49 guaranties or warranties furnished under the terms of the Contract.
50
51

1 *Add the following new section:*

2
3 **1-05.13 Superintendents, Labor and Equipment of Contractor**
4 **(August 14, 2013 APWA GSP)**

5
6 *Delete the sixth and seventh paragraphs of this section.*

7
8 **1-05.14 Cooperation With Other Contractors**
9 **(October 4, 2023 Tacoma GSP)**

10 *The second paragraph is deleted and replaced with the following:*

11
12 The coordination of the Work shall be taken into account by the Contractor as part of the site
13 investigation in accordance with Section 1-02.4. Additionally, the Contracting Agency is
14 performing work in the vicinity of the project along S 21st Street & South C Street.

15 It is expected this work will continue throughout the duration of the project. Any resulting cost
16 associated with the coordination of work and reduced access to the project site shall be
17 incidental and included within the unit bid prices in the Contract.

18
19 It is anticipated that the following work adjacent to or within the limits of this project will be
20 performed by others during the course of this project and will require coordination of the work:

21
22 Prairie Line Trail Project

23 Contact: Olson Construction, Bryce Sturrock

24 Title: Project Manager

25 Phone: Cell # (253) 343-4850 Office: (253) 770-3844

26 Email: bryces@olsonbrothers.net

27
28 **1-05.15 Method of Serving Notices**
29 **(December 30, 2022 APWA GSP)**

30
31 *Revise the second paragraph to read:*

32
33 All correspondence from the Contractor shall be directed to the Project Engineer. All
34 correspondence from the Contractor constituting any notification, notice of protest, notice of
35 dispute, or other correspondence constituting notification required to be furnished under the
36 Contract, must be in paper format, hand delivered or sent via mail delivery service to the Project
37 Engineer's office. Electronic copies such as e-mails or electronically delivered copies of
38 correspondence will not constitute such notice and will not comply with the requirements of the
39 Contract.

40
41 *Add the following new section:*

42
43 **1-05.16 Water and Power**
44 **(October 1, 2005 APWA GSP)**

45
46 The Contractor shall make necessary arrangements, and shall bear the costs for power and
47 water necessary for the performance of the work, unless the Contract includes power and water
48 as a pay item.

49
50 *Add the following new section:*

51

1 **1-05.18 Record Drawings**
2 **(March 8, 2013 APWA GSP)**
3

4 The Contractor shall maintain one set of full size plans for Record Drawings, updated with clear
5 and accurate red-lined field revisions on a daily basis, and within 2 business days after receipt
6 of information that a change in Work has occurred. The Contractor shall not conceal any work
7 until the required information is recorded.
8

9 This Record Drawing set shall be used for this purpose alone, shall be kept separate from other
10 Plan sheets, and shall be clearly marked as Record Drawings. These Record Drawings shall be
11 kept on site at the Contractor's field office, and shall be available for review by the Contracting
12 Agency at all times. The Contractor shall bring the Record Drawings to each progress meeting
13 for review.
14

15 The preparation and upkeep of the Record Drawings is to be the assigned responsibility of a
16 single, experienced, and qualified individual. The quality of the Record Drawings, in terms of
17 accuracy, clarity, and completeness, is to be adequate to allow the Contracting Agency to
18 modify the computer-aided drafting (CAD) Contract Drawings to produce a complete set of
19 Record Drawings for the Contracting Agency without further investigative effort by the
20 Contracting Agency.
21

22 The Record Drawing markups shall document all changes in the Work, both concealed and
23 visible. Items that must be shown on the markups include but are not limited to:
24

- 25 • Actual dimensions, arrangement, and materials used when different than shown in the
26 Plans.
- 27 • Changes made by Change Order or Field Order.
- 28 • Changes made by the Contractor.
- 29 • Accurate locations of storm sewer, sanitary sewer, water mains and other water
30 appurtenances, structures, conduits, light standards, vaults, width of roadways,
31 sidewalks, landscaping areas, building footprints, channelization and pavement
32 markings, etc. Include pipe invert elevations, top of castings (manholes, inlets, etc.).
33

34 If the Contract calls for the Contracting Agency to do all surveying and staking, the Contracting
35 Agency will provide the elevations at the tolerances the Contracting Agency requires for the
36 Record Drawings.
37

38 When the Contract calls for the Contractor to do the surveying/staking, the applicable
39 tolerance limits include, but are not limited to the following:

	<u>Vertical</u>	<u>Horizontal</u>
As-built sanitary & storm invert and grate elevations	± 0.01 foot	± 0.01 foot
As-built monumentation	± 0.001 foot	± 0.001 foot
As-built waterlines, inverts, valves, hydrants	± 0.10 foot	± 0.10 foot
As-built ponds/swales/water features	± 0.10 foot	± 0.10 foot
As-built buildings (fin. Floor elev.)	± 0.01 foot	± 0.10 foot
As-built gas lines, power, TV, Tel, Com	± 0.10 foot	± 0.10 foot

As-built signs, signals, etc.

N/A

± 0.10 foot

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Making Entries on the Record Drawings:

- Use erasable colored pencil (not ink) for all markings on the Record Drawings, conforming to the following color code:
- Additions - Red
- Deletions - Green
- Comments - Blue
- Dimensions- Graphite
- Provide the applicable reference for all entries, such as the change order number, the request for information (RFI) number, or the approved shop drawing number.
- Date all entries.
- Clearly identify all items in the entry with notes similar to those in the Contract Drawings (such as pipe symbols, centerline elevations, materials, pipe joint abbreviations, etc.).

The Contractor shall certify on the Record Drawings that said drawings are an accurate depiction of built conditions, and in conformance with the requirements detailed above. The Contractor shall submit final Record Drawings to the Contracting Agency. Contracting Agency acceptance of the Record Drawings is one of the requirements for achieving Physical Completion.

Payment will be made for the following bid item:

Record Drawings (Minimum Bid \$5000)	Lump Sum
---	----------

Payment for this item will be made on a prorated monthly basis for work completed in accordance with this section up to 75% of the lump sum bid. The final 25% of the lump sum item will be paid upon submittal and approval of the completed Record Drawings set prepared in conformance with these Special Provisions.

A minimum bid amount has been entered in the Bid Proposal for this item. The Contractor must bid at least that amount.

1 **1-06 CONTROL OF MATERIAL**

2 *(Section 1-06 is supplemented with the following)*

3
4 **Build America/Buy America**

5
6 *(June 6, 2023 WSDOT GSP Option 2(A))*

7
8 **General Requirements**

9 In accordance with Division G, Title IX - Build America, Buy America Act (BABA), of Public Law
10 117-58 (Infrastructure Investment and Jobs Act), the following materials must be American-
11 made:

- 12
- 13 1. All steel and iron used in the project are produced in the United States. This means all
14 manufacturing processes, from the initial melting stage through the application of
15 coatings, occurred in the United States.
16
 - 17 2. All manufactured products used in the project are produced in the United States. This
18 means the manufactured product was manufactured in the United States, and the cost
19 of the components of the manufactured product that are mined, produced, or
20 manufactured in the United States is greater than 55 percent of the total cost of all
21 components of the manufactured product, unless another standard for determining the
22 minimum amount of domestic content of the manufactured product has been
23 established under applicable law or regulation.
24
 - 25 3. All construction materials are manufactured in the United States. This means that all
26 manufacturing processes for the construction material occurred in the United States.
27

28 An article, material, or supply will be classified in one of three categories: 1) Steel and Iron, 2)
29 Manufactured Product or 3) Construction Material. Only a single category will apply to an item
30 and be subject to the requirements of the BABA requirements of that category. Some contract
31 items are composed of multiple parts that may fall into different categories. Individual
32 components will be categorized as a construction material, manufactured product, or steel and
33 iron based on their composition when they arrive at the staging area or work site. When steel or
34 iron are a component of a manufactured product or construction material, the steel and iron
35 components will be subject to "Steel and Iron Requirements" of this Specification.
36

37 **Definitions**

- 38 1. Construction material: Defined as any article, material, or supply brought to the construction
39 site for incorporation into the final product. Construction materials include an article,
40 material, or supply that is or consists primarily of:
41
- 42 a. Non-ferrous metals;
 - 43
 - 44 b. Plastic and polymer-based products (including polyvinylchloride, composite building
45 materials, and polymers used in fiber optic cables);
46
 - 47 c. Glass (including optic glass);
48
 - 49 d. Lumber; or
 - 50
 - 51 e. Drywall.
52

1 Construction Materials do not include items of primarily iron or steel; manufactured
2 products; cement and cementitious materials; aggregates such as stone, sand, or gravel; or
3 aggregate binding agents or additives.
4

5 2. Manufactured Product: A Manufactured product includes any item produced as a result of
6 the manufacturing process. Items that consist of two or more of the listed construction
7 materials that have been combined together through a manufacturing process, and items
8 that include at least one of the listed materials combined with a
9 material that is not listed through a manufacturing process, should be treated as
10 manufactured products, rather than as construction materials.
11

12 3. Manufactured in the United States: A construction material will be considered as
13 manufactured in the United States if all manufacturing processes have occurred in the
14 United States.
15

16 4. Structural Steel: Defined as all structural steel products included in the project.
17

18 5. United States: To further define the coverage, a domestic product is a manufactured steel
19 construction material that was produced in one of the 50 states, the District of Columbia,
20 Puerto Rico, or in the territories and possessions of the United States.
21

22 **Steel and Iron Requirements**

23 Major quantities of steel and iron construction materials that are permanently incorporated into
24 the project shall consist of American-made materials only. BABA requirements do not apply to
25 temporary steel or iron items, e.g., temporary sheet piling, temporary bridges, steel scaffolding
26 and falsework.
27

28 Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the
29 foreign material used does not exceed one-tenth of one percent of the total contract cost or
30 \$2,500.00, whichever is greater.
31

32 American-made material is defined as material having all manufacturing processes occurring
33 domestically.
34

35 If domestically produced steel billets or iron ingots are exported outside of the area of coverage,
36 as defined above, for any manufacturing process then the resulting product does not conform to
37 the BABA requirements. Additionally, products manufactured domestically from foreign source
38 steel billets or iron ingots do not conform to the BABA requirements because the initial melting
39 and mixing of alloys to create the material occurred in a foreign country.
40

41 Manufacturing begins with the initial melting and mixing and continues through the coating
42 stage. Any process which modifies the chemical content, the physical size or shape, or the final
43 finish is considered a manufacturing process. The processes include rolling, extruding,
44 machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to
45 steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing,
46 aluminizing, painting, and any other coating that protects or enhances the value of steel or iron.
47 Any process from the original reduction from ore to the finished product constitutes a
48 manufacturing process for iron.
49

1 Due to a nationwide waiver, BABA requirements do not apply to raw materials (iron ore and
2 alloys), scrap (recycled steel or iron), and pig iron ore processed, pelletized, and reduced iron
3 ore.
4

5 The following are considered to be steel manufacturing processes:
6

- 7 1. Production of steel by any of the following processes:
 - 8 a. Open hearth furnace.
 - 9 b. Basic oxygen.
 - 10 c. Electric furnace.
 - 11 d. Direct reduction.
- 12 2. Rolling, heat treating, and any other similar processing.
- 13 3. Fabrication of the products:
 - 14 a. Spinning wire into cable or strand.
 - 15 b. Corrugating and rolling into culverts.
 - 16 c. Shop fabrication.

17 A certification of materials origin will be required for all items comprised of, or containing, steel
18 or iron construction materials prior to such items being incorporated into the permanent work.
19 The Contractor will not receive payment until the certification is received by the Engineer. The
20 certification shall be on WSDOT Form 350-109 provided by the Engineer, or such other form the
21 Contractor chooses, provided it contains the same information as WSDOT Form 350-109.
22

23 **Manufactured Products**

24 Due to a nationwide waiver, BABA requirements do not apply to manufactured products.
25 Manufactured products that contain steel and iron, regardless of a nationwide waiver, will follow
26 “Steel and Iron Requirements” of this Specification.
27

28 **Construction Material Requirements**

29 A Contractor provided certification of materials origin will be required before each progress
30 estimate or payment. The Contractor will not receive payment until the certification is received
31 by the Engineer. The Contractor shall certify that all construction materials installed during the
32 current progress estimate period meets the Build America, Buy America Act. The certification
33 shall be on WSDOT Form 350-110 provided by the Engineer, or such other form the Contractor
34 chooses, provided it contains the same information as WSDOT Form 350-110.
35

36 **1-06.6 Recycled Materials** 37 **(January 4, 2016 APWA GSP)**

38 *Delete this section, including its subsections, and replace it with the following:*
39

40 The Contractor shall make their best effort to utilize recycled materials in the construction of the
41 project. Approval of such material use shall be as detailed elsewhere in the Standard
42 Specifications.
43

1
2 Prior to Physical Completion the Contractor shall report the quantity of recycled materials that
3 were utilized in the construction of the project for each of the items listed in Section 9-03.21.
4 The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel
5 furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates
6 from concrete returned to the supplier). The Contractor's report shall be provided on DOT form
7 350-075 Recycled Materials Reporting.
8
9

1 **1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

2
3 **1-07.1 Laws to be Observed**
4 **(October 1, 2005 APWA GSP)**

5 *Supplement this section with the following:*

6
7 In cases of conflict between different safety regulations, the more stringent regulation shall
8 apply.

9
10 The Washington State Department of Labor and Industries shall be the sole and paramount
11 administrative agency responsible for the administration of the provisions of the Washington
12 Industrial Safety and Health Act of 1973 (WISHA).

13
14 The Contractor shall maintain at the project site office, or other well known place at the project
15 site, all articles necessary for providing first aid to the injured. The Contractor shall establish,
16 publish, and make known to all employees, procedures for ensuring immediate removal to a
17 hospital, or doctor's care, persons, including employees, who may have been injured on the
18 project site. Employees should not be permitted to work on the project site before the
19 Contractor has established and made known procedures for removal of injured persons to a
20 hospital or a doctor's care.

21
22 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the
23 Contractor's plant, appliances, and methods, and for any damage or injury resulting from their
24 failure, or improper maintenance, use, or operation. The Contractor shall be solely and
25 completely responsible for the conditions of the project site, including safety for all persons and
26 property in the performance of the work. This requirement shall apply continuously, and not be
27 limited to normal working hours. The required or implied duty of the Engineer to conduct
28 construction review of the Contractor's performance does not, and shall not, be intended to
29 include review and adequacy of the Contractor's safety measures in, on, or near the project site.

30
31 **1-07.2 State Taxes**

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

33
34 **1-07.2 State Tax**
35 **(June 27, 2011 APWA GSP)**

36
37 The Washington State Department of Revenue has issued special rules on the State sales tax.
38 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
39 contact the Washington State Department of Revenue for answers to questions in this area.
40 The Contracting Agency will not adjust its payment if the Contractor bases a bid on a
41 misunderstood tax liability.

42
43 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
44 amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2)
45 describes this exception.

46
47 The Contracting Agency will pay the retained percentage (or release the Contract Bond if a
48 FHWA-funded Project) only if the Contractor has obtained from the Washington State
49 Department of Revenue a certificate showing that all contract-related taxes have been paid
50 (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor

1 any amount the Contractor may owe the Washington State Department of Revenue, whether
2 the amount owed relates to this contract or not. Any amount so deducted will be paid into the
3 proper State fund.

4
5 **1-07.2(1) State Sales Tax — Rule 171**

6
7 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads,
8 etc., which are owned by a municipal corporation, or political subdivision of the state, or by the
9 United States, and which are used primarily for foot or vehicular traffic. This includes storm or
10 combined sewer systems within and included as a part of the street or road drainage system
11 and power lines when such are part of the roadway lighting system. For work performed in such
12 cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid
13 item prices, or other contract amounts, including those that the Contractor pays on the purchase
14 of the materials, equipment, or supplies used or consumed in doing the work.

15
16 **1-07.2(2) State Sales Tax — Rule 170**

17
18 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or
19 existing buildings, or other structures, upon real property. This includes, but is not limited to, the
20 construction of streets, roads, highways, etc., owned by the state of Washington; water mains
21 and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers
22 and disposal systems are within, and a part of, a street or road drainage system; telephone,
23 telegraph, electrical power distribution lines, or other conduits or lines in or above streets or
24 roads, unless such power lines become a part of a street or road lighting system; and installing
25 or attaching of any article of tangible personal property in or to real property, whether or not
26 such personal property becomes a part of the realty by virtue of installation.

27
28 For work performed in such cases, the Contractor shall collect from the Contracting Agency,
29 retail sales tax on the full contract price. The Contracting Agency will automatically add this
30 sales tax to each payment to the Contractor. For this reason, the Contractor shall not include
31 the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule
32 170, with the following exception.

33
34 Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a
35 subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable
36 supplies not integrated into the project. Such sales taxes shall be included in the unit bid item
37 prices or in any other contract amount.

38
39 **1-07.2(3) Services**

40
41 The Contractor shall not collect retail sales tax from the Contracting Agency on any contract
42 wholly for professional or other services (as defined in Washington State Department of
43 Revenue Rules 138 and 244).

44
45 **1-07.9 Wages**

46
47 **1-07.9(1) General**

48
49 *Section 1-07.9(1) is supplemented with the following:*
50 **(January 9, 2023 WSDOT GSP Option 1)**

1 The Federal wage rates incorporated in this contract have been established by the Secretary of
2 Labor under United States Department of Labor General Decision No. WA20230001.

3
4 The State rates incorporated in this contract are applicable to all construction activities
5 associated with this contract.
6

7 **1-07.9(5)A Required Documents**
8 **(December 30, 2022 APWA GSP)**
9

10 *This section is revised to read as follows:*

11 All Statements of Intent to Pay Prevailing Wages, Affidavits of Wages Paid and Certified
12 Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be
13 submitted to the Engineer and to the State L&I online Prevailing Wage Intent & Affidavit
14 (PWIA) system.
15

16
17 **1-07.11 Requirements for Nondiscrimination**
18 **(October 3, 2022 WSDOT GSP Option 1)**
19

20 *Section 1-07.11 is supplemented with the following:*

21
22 Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order
23 11246)

- 24 1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard
25 Federal Equal Employment Opportunity Construction Contract Specifications set forth herein.
26
27 2. The goals and timetables for minority and female participation set by the Office of Federal
28 Contract Compliance Programs, expressed in percentage terms for the Contractor's
29 aggregate work force in each construction craft and in each trade on all construction work in
the covered area, are as follows:

30 Women - Statewide

<u>TIMETABLE</u>	<u>GOAL</u>
Until further notice	6.9%

33 Minorities - by Standard Metropolitan Statistical Area (SMSA)

Spokane, WA:	
SMSA Counties:	
Spokane, WA WA Spokane.	2.8
Non-SMSA Counties	
WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA Pend Oreille; WA Stevens; WA Whitman.	3.0
Richland, WA	
SMSA Counties:	
Richland Kennewick, WA	5.4

1	WA Benton; WA Franklin.	
2	Non-SMSA Counties	3.6
3	WA Walla Walla.	
4	Yakima, WA:	
5	SMSA Counties:	
6	Yakima, WA	9.7
7	WA Yakima.	
8	Non-SMSA Counties	7.2
9	WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA Okanogan.	
10	Seattle, WA:	
11	SMSA Counties:	
12	Seattle Everett, WA	7.2
13	WA King; WA Snohomish.	
14	Tacoma, WA	6.2
15	WA Pierce.	
16	Non-SMSA Counties	6.1
17	WA Clallam; WA Grays Harbor; WA Island; WA Jefferson; WA Kitsap; WA	
18	Lewis; WA Mason; WA Pacific; WA San Juan; WA Skagit; WA Thurston; WA	
19	Whatcom.	
	Portland, OR:	
	SMSA Counties:	
	Portland, OR-WA	4.5
	WA Clark.	
	Non-SMSA Counties	3.8
20	WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.	

21 These goals are applicable to each nonexempt Contractor's total on-site construction
22 workforce, regardless of whether or not part of that workforce is performing work on a
23 Federal, or federally assisted project, contract, or subcontract until further notice.
24 Compliance with these goals and time tables is enforced by the Office of Federal Contract
25 compliance Programs.

26
27 The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part
28 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific
29 affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a),
30 and its efforts to meet the goals. The hours of minority and female employment and
31 training must be substantially uniform throughout the length of the contract, in each
32 construction craft and in each trade, and the Contractor shall make a good faith effort to

1 employ minorities and women evenly on each of its projects. The transfer of minority or
2 female employees or trainees from Contractor to Contractor or from project to project for
3 the sole purpose of meeting the Contractor's goal shall be a violation of the contract, the
4 Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will
5 be measured against the total work hours performed.
6

- 7 3. The Contractor shall provide written notification to the Office of Federal Contract Compliance
8 Programs (OFCCP) within 10 working days of award of any construction subcontract in
9 excess of \$10,000 or more that are Federally funded, at any tier for construction work under
10 the contract resulting from this solicitation. The notification shall list the name, address and
11 telephone number of the subcontractor; employer identification number of the subcontractor;
12 estimated dollar amount of the subcontract; estimated starting and completion dates of the
13 subcontract; and the geographical area in which the contract is to be performed. The
14 notification shall be sent to:

15 U.S. Department of Labor
16 Office of Federal Contract Compliance Programs Pacific Region
17 Attn: Regional Director
18 San Francisco Federal Building
19 90 – 7th Street, Suite 18-300
20 San Francisco, CA 94103(415) 625-7800 Phone
21 (415) 625-7799 Fax
22

- 23 4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area
24 is as designated herein.

25 Standard Federal Equal Employment Opportunity Construction Contract Specifications
26 (Executive Order 11246)

- 27 1. As used in these specifications:

28 a. Covered Area means the geographical area described in the solicitation from which
29 this contract resulted;

30 b. Director means Director, Office of Federal Contract Compliance Programs, United
31 States Department of Labor, or any person to whom the Director delegates
32 authority;

33 c. Employer Identification Number means the Federal Social Security number used on
34 the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941;

35 d. Minority includes:

36 (1) Black, a person having origins in any of the Black Racial Groups of Africa.

37 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of
38 Mexican, Puerto Rican, Cuban, Central American, South American, or
39 other Spanish origin.

- 1 (3) Asian or Pacific Islander, a person having origins in any of the original
2 peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and
3 Samoa.
- 4 (4) American Indian or Alaskan Native, a person having origins in any of the
5 original peoples of North America, and who maintain cultural identification
6 through tribal affiliation or community recognition.
- 7 2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of the work
8 involving any construction trade, it shall physically include in each subcontract in excess of
9 \$10,000 the provisions of these specifications and the Notice which contains the applicable
10 goals for minority and female participation and which is set forth in the solicitations from which
11 this contract resulted.
- 12 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved
13 by the U.S. Department of Labor in the covered area either individually or through an
14 association, its affirmative action obligations on all work in the Plan area (including goals and
15 timetables) shall be in accordance with that Plan for those trades which have unions
16 participating in the Plan. Contractors must be able to demonstrate their participation in and
17 compliance with the provisions of any such Hometown Plan. Each Contractor or
18 subcontractor participating in an approved Plan is individually required to comply with its
19 obligations under the EEO clause, and to make a good faith effort to achieve each goal under
20 the Plan in each trade in which it has employees. The overall good faith performance by
21 other Contractors or subcontractors toward a goal in an approved Plan does not excuse any
22 covered Contractor's or subcontractor's failure to take good faith effort to achieve the Plan
23 goals and timetables.
- 24 4. The Contractor shall implement the specific affirmative action standards provided in
25 paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation
26 from which this contract resulted are expressed as percentages of the total hours of
27 employment and training of minority and female utilization the Contractor should reasonably
28 be able to achieve in each construction trade in which it has employees in the covered area.
29 Covered construction contractors performing construction work in geographical areas where
30 they do not have a Federal or federally assisted construction contract shall apply the minority
31 and female goals established for the geographical area where the work is being performed.
32 The Contractor is expected to make substantially uniform progress in meeting its goals in
33 each craft during the period specified.
- 34 5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with
35 whom the Contractor has a collective bargaining agreement, to refer either minorities or
36 women shall excuse the Contractor's obligations under these specifications, Executive Order
37 11246, or the regulations promulgated pursuant thereto.
- 38 6. In order for the nonworking training hours of apprentices and trainees to be counted in
39 meeting the goals, such apprentices and trainees must be employed by the Contractor during
40 the training period, and the Contractor must have made a commitment to employ the
41 apprentices and trainees at the completion of their training, subject to the availability of
42 employment opportunities. Trainees must be trained pursuant to training programs approved
43 by the U.S. Department of Labor.

- 1 7. The Contractor shall take specific affirmative actions to ensure equal employment
2 opportunity. The evaluation of the Contractor's compliance with these specifications shall be
3 based upon its effort to achieve maximum results from its action. The Contractor shall
4 document these efforts fully, and shall implement affirmative action steps at least as
5 extensive as the following:
- 6 a. Ensure and maintain a working environment free of harassment, intimidation, and
7 coercion at all sites, and in all facilities at which the Contractor's employees are
8 assigned to work. The Contractor, where possible, will assign two or more women
9 to each construction project. The Contractor shall specifically ensure that all
10 foremen, superintendents, and other on-site supervisory personnel are aware of
11 and carry out the Contractor's obligation to maintain such a working environment,
12 with specific attention to minority or female individuals working at such sites or in
13 such facilities.
- 14 b. Establish and maintain a current list of minority and female recruitment sources,
15 provide written notification to minority and female recruitment sources and to
16 community organizations when the Contractor or its unions have employment
17 opportunities available, and maintain a record of the organizations' responses.
- 18 c. Maintain a current file of the names, addresses and telephone numbers of each
19 minority and female off-the-street applicant and minority or female referral from a
20 union, a recruitment source or community organization and of what action was taken
21 with respect to each such individual. If such individual was sent to the union hiring
22 hall for referral and was not referred back to the Contractor by the union or, if
23 referred, not employed by the Contractor, this shall be documented in the file with
24 the reason therefor, along with whatever additional actions the Contractor may have
25 taken.
- 26 d. Provide immediate written notification to the Director when the union or unions with
27 which the Contractor has a collective bargaining agreement has not referred to the
28 Contractor a minority person or woman sent by the Contractor, or when the
29 Contractor has other information that the union referral process has impeded the
30 Contractor's efforts to meet its obligations.
- 31 e. Develop on-the-job training opportunity and/or participate in training programs for
32 the area which expressly include minorities and women, including upgrading
33 programs and apprenticeship and trainee programs relevant to the Contractor's
34 employment needs, especially those programs funded or approved by the U.S.
35 Department of Labor. The Contractor shall provide notice of these programs to the
36 sources compiled under 7b above.
- 37 f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions
38 and training programs and requesting their cooperation in assisting the Contractor
39 in meeting its EEO obligations; by including it in any policy manual and collective
40 bargaining agreement; by publicizing it in the company newspaper, annual report,
41 etc.; by specific review of the policy with all management personnel and with all
42 minority and female employees at least once a year; and by posting the company

- 1 EEO policy on bulletin boards accessible to all employees at each location where
2 construction work is performed.
- 3 g. Review, at least annually, the company's EEO policy and affirmative action
4 obligations under these specifications with all employees having any responsibility
5 for hiring, assignment, layoff, termination or other employment decisions including
6 specific review of these items with on-site supervisory personnel such as
7 Superintendents, General Foremen, etc., prior to the initiation of construction work
8 at any job site. A written record shall be made and maintained identifying the time
9 and place of these meetings, persons attending, subject matter discussed, and
10 disposition of the subject matter.
- 11 h. Disseminate the Contractor's EEO policy externally by including it in any advertising
12 in the news media, specifically including minority and female news media, and
13 providing written notification to and discussing the Contractor's EEO policy with
14 other Contractors and Subcontractors with whom the Contractor does or anticipates
15 doing business.
- 16 i. Direct its recruitment efforts, both oral and written to minority, female and community
17 organizations, to schools with minority and female students and to minority and
18 female recruitment and training organizations serving the Contractor's recruitment
19 area and employment needs. Not later than one month prior to the date for the
20 acceptance of applications for apprenticeship or other training by any recruitment
21 source, the Contractor shall send written notification to organizations such as the
22 above, describing the openings, screening procedures, and tests to be used in the
23 selection process.
- 24 j. Encourage present minority and female employees to recruit other minority persons
25 and women and where reasonable, provide after school, summer and vacation
26 employment to minority and female youth both on the site and in other areas of a
27 Contractor's work force.
- 28 k. Validate all tests and other selection requirements where there is an obligation to
29 do so under 41 CFR Part 60-3.
- 30 l. Conduct, at least annually, an inventory and evaluation of all minority and female
31 personnel for promotional opportunities and encourage these employees to seek or
32 to prepare for, through appropriate training, etc., such opportunities.
- 33 m. Ensure that seniority practices, job classifications, work assignments and other
34 personnel practices, do not have a discriminatory effect by continually monitoring
35 all personnel and employment related activities to ensure that the EEO policy and
36 the Contractor's obligations under these specifications are being carried out.
- 37 n. Ensure that all facilities and company activities are nonsegregated except that
38 separate or single-user toilet and necessary changing facilities shall be provided to
39 assure privacy between the sexes.

- 1 o. Document and maintain a record of all solicitations of offers for subcontracts from
2 minority and female construction contractors and suppliers, including circulation of
3 solicitations to minority and female contractor associations and other business
4 associations.
- 5 p. Conduct a review, at least annually, of all supervisors' adherence to and
6 performance under the Contractor's EEO policies and affirmative action obligations.
- 7 8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling
8 one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor
9 association, joint contractor-union, contractor-community, or other similar group of which the
10 Contractor is a member and participant, may be asserted as fulfilling any one or more of the
11 obligations under 7a through 7p of this Special Provision provided that the Contractor actively
12 participates in the group, makes every effort to assure that the group has a positive impact
13 on the employment of minorities and women in the industry, ensure that the concrete benefits
14 of the program are reflected in the Contractor's minority and female workforce participation,
15 makes a good faith effort to meet its individual goals and timetables, and can provide access
16 to documentation which demonstrate the effectiveness of actions taken on behalf of the
17 Contractor. The obligation to comply, however, is the Contractor's and failure of such a group
18 to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
- 19 9. A single goal for minorities and a separate single goal for women have been established.
20 The Contractor, however, is required to provide equal employment opportunity and to take
21 affirmative action for all minority groups, both male and female, and all women, both minority
22 and non-minority. Consequently, the Contractor may be in violation of the Executive Order
23 if a particular group is employed in substantially disparate manner (for example, even though
24 the Contractor has achieved its goals for women generally, the Contractor may be in violation
25 of the Executive Order if a specific minority group of women is underutilized).
- 26 10. The Contractor shall not use the goals and timetables or affirmative action standards to
27 discriminate against any person because of race, color, religion, sex, or national origin.
- 28 11. The Contractor shall not enter into any subcontract with any person or firm debarred from
29 Government contracts pursuant to Executive Order 11246.
- 30 12. The Contractor shall carry out such sanctions and penalties for violation of these
31 specifications and of the Equal Opportunity Clause, including suspensions, terminations and
32 cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive
33 Order 11246, as amended, and its implementing regulations by the Office of Federal Contract
34 Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties
35 shall be in violation of these specifications and Executive Order 11246, as amended.
- 36 13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific
37 affirmative action steps, at least as extensive as those standards prescribed in paragraph 7
38 of this Special Provision, so as to achieve maximum results from its efforts to ensure equal
39 employment opportunity. If the Contractor fails to comply with the requirements of the
40 Executive Order, the implementing regulations, or these specifications, the Director shall
41 proceed in accordance with 41 CFR 60-4.8.

- 1 14. The Contractor shall designate a responsible official to monitor all employment related
2 activity to ensure that the company EEO policy is being carried out, to submit reports relating
3 to the provisions hereof as may be required by the government and to keep records. Records
4 shall at least include, for each employee, their name, address, telephone numbers,
5 construction trade, union affiliation if any, employee identification number when assigned,
6 social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or
7 laborer), dates of changes in status, hours worked per week in the indicated trade, rate of
8 pay, and locations at which the work was performed. Records shall be maintained in an
9 easily understandable and retrievable form; however, to the degree that existing records
10 satisfy this requirement, the Contractors will not be required to maintain separate records.
- 11 15. Nothing herein provided shall be construed as a limitation upon the application of other laws
12 which establish different standards of compliance or upon the application of requirements for
13 the hiring of local or other area residents (e.g., those under the Public Works Employment
14 Act of 1977 and the Community Development Block Grant Program).
- 15 16. Additional assistance for Federal Construction Contractors on contracts administered by
16 Washington State Department of Transportation or by Local Agencies may be found at:

17 Washington State Dept. of Transportation
18 Office of Equal Opportunity
19 PO Box 47314
20 310 Maple Park Ave. SE
21 Olympia WA
22 98504-7314
23 Ph: 360-705-7090 Fax: 360-
24 705-6801
25 <http://www.wsdot.wa.gov/equalopportunity/default.htm>

26
27 *Section 1-07.11 is supplemented with the following:*

28
29 *(October 1, 2020 APWA GSP, Option B)*

30 ***Disadvantaged Business Enterprise Participation***

31 The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 and
32 USDOT's official interpretations (i.e., Questions & Answers) apply to this Contract.
33 Demonstrating compliance with these Specifications is a Condition of Award (COA) of this
34 Contract. Failure to comply with the requirements of this Specification may result in your
35 Bid being found to be nonresponsive resulting in rejection or other sanctions as provided by
36 Contract.

37
38 **DBE Abbreviations and Definitions**

39 **Broker** – A business firm that provides a bona fide service, such as professional,
40 technical, consultant or managerial services and assistance in the procurement of
41 essential personnel, facilities, equipment, materials, or supplies required for the
42 performance of the Contract; or, persons/companies who arrange or expedite
43 transactions.

44
45 **Certified Business Description** – Specific descriptions of work the DBE is
46 certified to perform, as identified in the Certified Firm Directory, under the Vendor
47 Information page.

1
2 **Certified Firm Directory** – A database of all Minority, Women, and
3 Disadvantaged Business Enterprises currently certified by Washington State. The
4 on-line Directory is available to Bidders for their use in identifying and soliciting
5 interest from DBE firms. The database is located under the Firm Certification
6 section of the Diversity Management and Compliance System web page at:
7 <https://omwbe.diversitycompliance.com>.

8
9 **Commercially Useful Function (CUF)** – 49 CFR 26.55(c)(1) defines
10 commercially useful function as: “A DBE performs a commercially useful function
11 when it is responsible for execution of the work of the contract and is carrying out
12 its responsibilities by actually performing, managing, and supervising the work
13 involved. To perform a commercially useful function, the DBE must also be
14 responsible, with respect to materials and supplies used on the contract, for
15 negotiating price, determining quality and quantity, ordering the material, and
16 installing (where applicable) and paying for the material itself. To determine
17 whether a DBE is performing a commercially useful function, you must evaluate
18 the amount of work subcontracted, industry practices, whether the amount the firm
19 is to be paid under the contract is commensurate with the work it is actually
20 performing and the DBE credit claimed for its performance of the work, and other
21 relevant factors.”

22
23 **Disadvantaged Business Enterprise (DBE)** – A business firm certified by the
24 Washington State Office of Minority and Women’s Business Enterprises, as
25 meeting the criteria outlined in 49 CFR 26 regarding DBE certification.

26
27 **Force Account Work** – Work measured and paid in accordance with Section 1-
28 09.6.

29
30 **Good Faith Efforts** – Efforts to achieve the DBE COA Goal or other requirements
31 of this part which, by their scope, intensity, and appropriateness to the objective,
32 can reasonably be expected to fulfill the program requirement.

33
34 **Manufacturer (DBE)** – A DBE firm that operates or maintains a factory or
35 establishment that produces on the premises the materials, supplies, articles, or
36 equipment required under the Contract. A DBE Manufacturer shall produce
37 finished goods or products from raw or unfinished material or purchase and
38 substantially alters goods and materials to make them suitable for construction
39 use before reselling them.

40
41 **Reasonable Fee (DBE)** – For purposes of Brokers or service providers a
42 reasonable fee shall not exceed 5% of the total cost of the goods or services
43 brokered.

44
45 **Regular Dealer (DBE)** – A DBE firm that owns, operates, or maintains a store,
46 warehouse, or other establishment in which the materials or supplies required for
47 the performance of a Contract are bought, kept in stock, and regularly sold to the
48 public in the usual course of business. To be a Regular Dealer, the DBE firm must
49 be an established regular business that engages in as its principal business and in
50 its own name the purchase and sale of the products in question. A Regular Dealer

1 in such items as steel, cement, gravel, stone, and petroleum products need not
2 own, operate or maintain a place of business if it both owns and operates
3 distribution equipment for the products. Any supplementing of regular dealers'
4 own distribution equipment shall be by long-term formal lease agreements and not
5 on an ad-hoc basis. Brokers, packagers, manufacturers' representatives, or other
6 persons who arrange or expedite transactions shall not be regarded as Regular
7 Dealers within the meaning of this definition.
8

9 **DBE Commitment** – The scope of work and dollar amount the Bidder indicates
10 they will be subcontracting to be applied towards the DBE Condition of Award
11 Goal as shown on the DBE Utilization Certification Form for each DBE
12 Subcontractor. This DBE Commitment amount will be incorporated into the
13 Contract and shall be considered a Contract requirement. The Contractor shall
14 utilize the COA DBEs to perform the work and supply the materials for which they
15 are committed. Any changes to the DBE Commitment require the Engineer's prior
16 written approval.
17

18 **DBE Condition of Award (COA) Goal** – An assigned numerical amount specified
19 as a percentage of the Contract. Initially, this is the minimum amount that the
20 Bidder must commit to by submission of the Utilization Certification Form and/or
21 by Good Faith Effort (GFE).
22

23 **DBE COA Goal**

24 The Contracting Agency has established a DBE COA Goal for this Contract in the
25 amount of: **12 Percent**
26

27 **Crediting DBE Participation**

28 Subcontractors proposed as COA must be certified prior to the due date for bids on the
29 Contract. All non-COA DBE Subcontractors shall be certified before the subcontract on
30 which they are participating is executed.
31

32 DBE participation is only credited upon payment to the DBE.
33

34 The following are some definitions of what may be counted as DBE participation.
35

36 **DBE Prime Contractor**

37 Only take credit for that portion of the total dollar value of the Contract equal to the
38 distinct, clearly defined portion of the Work that the DBE Prime Contractor
39 performs with its own forces and is certified to perform.
40

41 **DBE Subcontractor**

42 Only take credit for that portion of the total dollar value of the subcontract that is
43 equal to the distinct, clearly defined portion of the Work that the DBE performs
44 with its own forces and is certified to perform. The value of work performed by the
45 DBE includes the cost of supplies and materials purchased by the DBE and
46 equipment leased by the DBE, for its work on the contract. Supplies, materials or
47 equipment obtained by a DBE that are not utilized or incorporated in the contract
48 work by the DBE will not be eligible for DBE credit.
49

1 The supplies, materials, and equipment purchased or leased from the Contractor
2 or its affiliate, including any Contractor's resources available to DBE
3 subcontractors at no cost, shall not be credited.
4

5 DBE credit will not be given in instances where the equipment lease includes the
6 operator. The DBE is expected to operate the equipment used in the performance
7 of its work under the contract with its own forces. Situations where equipment is
8 leased and used by the DBE, but payment is deducted from the Contractor's
9 payment to the DBE is not allowed.
10

11 When the subcontractor is part of a DBE Commitment, the following apply:
12

- 13 1. If a DBE subcontracts a portion of the Work of its contract to another firm,
14 the value of the subcontracted Work may be counted toward the DBE COA
15 Goal only if the Lower-Tier Subcontractor is also a DBE.
16
- 17 2. Work subcontracted to a Lower-Tier Subcontractor that is a DBE, may be
18 counted toward the DBE COA Goal.
19
- 20 3. Work subcontracted to a non-DBE does not count towards the DBE COA
21 Goal.
22

23 **DBE Subcontract and Lower Tier Subcontract Documents**

24 There must be a subcontract agreement that complies with 49 CFR Part 26 and
25 fully describes the distinct elements of Work committed to be performed by the
26 DBE.
27

28 **DBE Service Provider**

29 The value of fees or commissions charged by a DBE firm behaving in a manner of
30 a Broker, or another service provider for providing a bona fide service, such as
31 professional, technical, consultant, managerial services, or for providing bonds or
32 insurance specifically required for the performance of the contract will only be
33 credited as DBE participation, if the fee/commission is determined by the
34 Contracting Agency to be reasonable and the firm has performed a CUF.
35

36 **Force Account Work**

37 When the Bidder elects to utilize force account Work to meet the DBE COA Goal,
38 as demonstrated by listing this force account Work on the DBE Utilization
39 Certification Form, for the purposes of meeting the DBE COA Goal, only 50% of
40 the Proposal amount shall be credited toward the Bidder's Commitment to meet
41 the DBE COA Goal.
42

43 One hundred percent of the actual amounts paid to the DBE for the force account
44 Work shall be credited towards the DBE COA Goal or DBE participation.
45

46 **Temporary Traffic Control**

47 If the DBE firm only provides "Flagging", the DBE firm must provide a Traffic
48 Control Supervisor (TCS) and flagger, which are under the direct control of the
49 DBE. The DBE firm shall also provide all flagging equipment for its employees
50 (e.g. paddles, hard hats, and vests).

1
2 If the DBE firm provides “Traffic Control Services”, the DBE firm must provide a
3 TCS, flaggers, and traffic control items (e.g., cones, barrels, signs, etc.) and be in
4 total control of all items in implementing the traffic control for the project.
5

6 **Trucking**

7 DBE trucking firm participation may only be credited as DBE participation for the
8 value of the hauling services, not for the materials being hauled unless the
9 trucking firm is also certified as a supplier of those materials. In situations where
10 the DBE’s work is priced per ton, the value of the hauling service must be
11 calculated separately from the value of the materials in order to determine DBE
12 credit for hauling
13

14 The DBE trucking firm must own and operate at least one licensed, insured and
15 operational truck on the contract. The truck must be of the type that is necessary
16 to perform the hauling duties required under the contract. The DBE receives credit
17 for the value of the transportation services it provides on the Contract using trucks
18 it owns or leases, licenses, insures, and operates with drivers it employs.
19

20 The DBE may lease additional trucks from another DBE firm. The DBE who
21 leases additional trucks from another DBE firm receives credit for the value of the
22 transportation services the lessee DBE provides on the Contract.
23

24 The trucking Work subcontracted to any non-DBE trucking firm will not receive
25 credit for Work done on the project.
26

27 The DBE may lease trucks from a truck leasing company (recognized truck rental
28 center), but can only receive credit towards DBE participation if the DBE uses its
29 own employees as drivers.
30

31 **DBE Manufacturer and DBE Regular Dealer**

32 One hundred percent (100%) of the cost of the manufactured product obtained
33 from a DBE manufacturer may count towards the DBE COA Goal.
34

35 Sixty percent (60%) of the cost of materials or supplies purchased from a DBE
36 Regular Dealer may be credited towards the DBE Goal. If the role of the DBE
37 Regular Dealer is determined to be that of a Broker, then DBE credit shall be
38 limited to the fee or commission it receives for its services. Regular Dealer status
39 and the amount of credit is determined on a Contract-by-Contract basis.
40

41 DBE firms proposed to be used as a Regular Dealer must be approved before
42 being listed as a COA/used on a project. The WSDOT Approved Regular Dealer
43 list published on WSDOT’s Office of Equal Opportunity (OEO) web site must
44 include the specific project for which approval is being requested. For purposes of
45 the DBE COA Goal participation, the Regular Dealer must submit the Regular
46 Dealer Status Request form a minimum of five calendar days prior to bid opening.
47

48 Purchase of materials or supplies from a DBE which is neither a manufacturer nor
49 a regular dealer, (i.e. Broker) only the fees or commissions charged for assistance
50 in the procurement of the materials and supplies, or fees or transportation charges

1 for the delivery of materials or supplies required on the job site, may count
2 towards the DBE COA Goal provided the fees are not excessive as compared
3 with fees customarily allowed for similar services. Documentation will be required
4 to support the fee/commission charged by the DBE. The cost of the materials and
5 supplies themselves cannot be counted toward the DBE COA Goal.
6

7 Note: Requests to be listed as a Regular Dealer will only be processed if the
8 requesting firm is a material supplier certified by the Office of Minority and
9 Women's Business Enterprises in a NAICS code that falls within the
10 42XXXX NAICS Wholesale code section.
11

12 **Disadvantaged Business Enterprise Utilization**

13 To be eligible for award of the Contract, the Bidder shall properly complete and submit
14 a Disadvantaged Business Enterprise (DBE) Utilization Certification with the Bidder's
15 sealed Bid Proposal, as specified in Section 1-02.9 Delivery of Proposal. The Bidder's
16 DBE Utilization Certification must clearly demonstrate how the Bidder intends to meet
17 the DBE COA Goal. A DBE Utilization Certification (WSDOT Form 272-056) is included
18 in the Proposal package for this purpose as well as instructions on how to properly fill
19 out the form.
20

21 The Bidder is advised that the items listed below when listed in the Utilization
22 Certification must have their amounts reduced to the percentages shown and those
23 reduced amounts will be the amount applied towards meeting the DBE COA Goal.
24

- 25 • Force account at 50%
- 26 • Regular dealer at 60%
- 27

28 In the event of arithmetic errors in completing the DBE Utilization Certification, the
29 amount listed to be applied towards the DBE COA Goal for each DBE shall govern and
30 the DBE total amount shall be adjusted accordingly.
31

32 Note: The Contracting Agency shall consider as non-responsive and shall reject
33 any Bid Proposal submitted that does not contain a DBE Utilization
34 Certification Form that accurately demonstrates how the Bidder intends to
35 meet the DBE COA Goal.
36

37 **Disadvantaged Business Enterprise Written Confirmation Document(s)**

38 The Bidder shall submit an Disadvantaged Business Enterprise (DBE) Written
39 Confirmation Document (completed and signed by the DBE) for each DBE firm listed in
40 the Bidder's completed DBE Utilization Certification submitted with the Bid. Failure to do
41 so will result in the associated participation being disallowed, which may cause the Bid
42 to be determined to be nonresponsive resulting in Bid rejection.
43

44 The Confirmation Documents provide confirmation from the DBEs that they are
45 participating in the Contract as provided in the Bidder's Commitment. The Confirmation
46 Documents must be consistent with the Utilization Certification.
47

48 A DBE Written Confirmation Document (WSDOT Form 422-031) is included in the
49 Proposal package for this purpose.
50

1 The form(s) shall be received as specified in the special provisions for Section 1-02.9
2 Delivery of Proposal.

3
4 It is prohibited for the Bidder to require a DBE to submit a Written Confirmation
5 Document with any part of the form left blank. Should the Contracting Agency determine
6 that an incomplete Written Confirmation Document was signed by a DBE, the validity of
7 the document comes into question. The associated DBE participation may not receive
8 credit.

9
10 **Selection of Successful Bidder/Good Faith Efforts (GFE)**

11 The successful Bidder shall be selected on the basis of having submitted the lowest
12 responsive Bid, which demonstrates a good faith effort to achieve the DBE COA Goal.
13 The Contracting Agency, at any time during the selection process, may request a
14 breakdown of the bid items and amounts that are counted towards the overall contract
15 goal for any of the DBEs listed on the DBE Utilization Certification.

16
17 Achieving the DBE COA Goal may be accomplished in one of two ways:

- 18
19 1. By meeting the DBE COA Goal
20 Submission of the DBE Utilization Certification, supporting DBE Written
21 Confirmation Document(s) showing the Bidder has obtained enough DBE
22 participation to meet or exceed the DBE COA Goal, the DBE Bid Item
23 Breakdown and the DBE Trucking Credit Form, if applicable.
24
25 2. By documentation that the Bidder made adequate GFE to meet the DBE COA
26 Goal
27 The Bidder may demonstrate a GFE in whole or part through GFE
28 documentation ONLY IN THE EVENT a Bidder's efforts to solicit sufficient
29 DBE participation have been unsuccessful. The Bidder must supply GFE
30 documentation in addition to the DBE Utilization Certification, supporting DBE
31 Written Confirmation Document(s), the DBE Bid Item Breakdown form and
32 the DBE Trucking Credit Form, if applicable.
33

34 Note: In the case where a Bidder is awarded the contract based on demonstrating
35 adequate GFE, the advertised DBE COA Goal will not be reduced. The
36 Bidder shall demonstrate a GFE during the life of the Contract to attain the
37 advertised DBE COA Goal.
38

39 GFE documentation, the DBE Bid Item Breakdown form, and the DBE Trucking Credit
40 Form, if applicable, shall be submitted as specified in Section 1-02.9.

41
42 The Contracting Agency will review the GFE documentation and will determine if the
43 Bidder made an adequate good faith effort.
44

45 **Good Faith Effort (GFE) Documentation**

46 GFE is evaluated when:

- 47
48 1. Determining award of a Contract that has COA goal,
49
50 2. When a COA DBE is terminated and substitution is required, and

- 1
2 3. Prior to Physical Completion when determining whether the Contractor has
3 satisfied its DBE commitments.
4

5 49 CFR Part 26, Appendix A is intended as general guidance and does not, in itself,
6 demonstrate adequate good faith efforts. The following is a list of types of actions, which
7 would be considered as part of the Bidder's GFE to achieve DBE participation. It is not
8 intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive.
9 Other factors or types of efforts may be relevant in appropriate cases.
10

- 11 1. Soliciting through all reasonable and available means (e.g. attendance at pre-
12 bid meetings, advertising and/or written notices) the interest of all certified
13 DBEs who have the capability to perform the Work of the Contract. The
14 Bidder must solicit this interest within sufficient time to allow the DBEs to
15 respond to the solicitation. The Bidder must determine with certainty if the
16 DBEs are interested by taking appropriate steps to follow up initial
17 solicitations.
18
- 19 2. Selecting portions of the Work to be performed by DBEs in order to increase
20 the likelihood that the DBE COA Goal will be achieved. This includes, where
21 appropriate, breaking out contract Work items into economically feasible units
22 to facilitate DBE participation, even when the Bidder might otherwise prefer to
23 perform these Work items with its own forces.
24
- 25 3. Providing interested DBEs with adequate information about the Plans,
26 Specifications, and requirements of the Contract in a timely manner to assist
27 them in responding to a solicitation.
28
- 29 a. Negotiating in good faith with interested DBEs. It is the Bidder's
30 responsibility to make a portion of the Work available to DBE
31 subcontractors and suppliers and to select those portions of the Work or
32 material needs consistent with the available DBE subcontractors and
33 suppliers, so as to facilitate DBE participation. Evidence of such
34 negotiation includes the names, addresses, and telephone numbers of
35 DBEs that were considered; a description of the information provided
36 regarding the Plans and Specifications for the Work selected for
37 subcontracting; and evidence as to why additional agreements could not
38 be reached for DBEs to perform the Work.
39
- 40 b. A Bidder using good business judgment would consider a number of
41 factors in negotiating with subcontractors, including DBE subcontractors,
42 and would take a firm's price and capabilities as well as the DBE COA
43 Goal into consideration. However, the fact that there may be some
44 additional costs involved in finding and using DBEs is not in itself
45 sufficient reason for a Bidder's failure to meet the DBE COA Goal, as
46 long as such costs are reasonable. Also, the ability or desire of a Bidder
47 to perform the Work of a Contract with its own organization does not
48 relieve the Bidder of the responsibility to make Good Faith Efforts.
49 Bidders are not, however, required to accept higher quotes from DBEs if
50 the price difference is excessive or unreasonable.

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4. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The Bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the Bidder's efforts to meet the DBE COA Goal.
5. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or Bidder.
6. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
7. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, State, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.
8. Documentation of GFE must include copies of each DBE and non-DBE subcontractor quotes submitted to the Bidder when a non-DBE subcontractor is selected over a DBE for Work on the Contract. (ref. updated DBE regulations – 26.53(b)(2)(vi) & App. A)

Administrative Reconsideration of GFE Documentation

A Bidder has the right to request reconsideration if the GFE documentation submitted with their Bid was determined to be inadequate.

- The Bidder must request within 48 hours of notification of being nonresponsive or forfeit the right to reconsideration.
- The reconsideration decision on the adequacy of the Bidder's GFE documentation shall be made by an official who did not take part in the original determination.
- Only original GFE documentation submitted as a supplement to the Bid shall be considered. The Bidder shall not introduce new documentation at the reconsideration hearing.
- The Bidder shall have the opportunity to meet in person with the official for the purpose of setting forth the Bidder's position as to why the GFE documentation demonstrates a sufficient effort.
- The reconsideration official shall provide the Bidder with a written decision on reconsideration within five working days of the hearing explaining the basis for their finding.

1 **DBE Bid Item Breakdown**

2 The Bidder shall submit a DBE Bid Item Breakdown Form (WSDOT Form 272-054) as
3 specified in the Special Provisions for Section 1-02.9, Delivery of Proposal.
4

5 **DBE Trucking Credit Form**

6 The Bidder shall submit a DBE Trucking Credit Form (WSDOT Form 272-058), as
7 specified in the Special Provisions for Section 1-02.9, Delivery of Proposal.
8

9 Note: The DBE Trucking Credit Form is only required for a DBE Firm listed on the
10 DBE Utilization Certification as a subcontractor for “Trucking” or “Hauling”
11 and are performing a part of a bid item. For example, if the item of Work is
12 Structure Excavation including Haul, and another firm is doing the
13 excavation and the DBE Trucking firm is doing the haul, the form is
14 required. For a DBE subcontractor that is responsible for an entire item of
15 work that may require some use of trucks, the form is not required.
16

17 **Procedures between Award and Execution**

18 After Award and prior to Execution, the Contractor shall provide the additional
19 information described below. Failure to comply shall result in the forfeiture of the
20 Bidder’s Proposal bond or deposit.
21

- 22 1. A list of all firms who submitted a bid or quote in attempt to participate in this
23 project whether they were successful or not. Include the business name and
24 mailing address.
25

26 Note: The firms identified by the Contractor may be contacted by the Contracting
27 Agency to solicit general information as follows: age of the firm and
28 average of its gross annual receipts over the past three years.
29

30 **Procedures after Execution**

31 **Commercially Useful Function (CUF)**

32 The Contractor may only take credit for the payments made for Work performed
33 by a DBE that is determined to be performing a CUF. Payment must be
34 commensurate with the work actually performed by the DBE. This applies to all
35 DBEs performing Work on a project, whether or not the DBEs are COA, if the
36 Contractor wants to receive credit for their participation. The Engineer will conduct
37 CUF reviews to ascertain whether DBEs are performing a CUF. A DBE performs a
38 CUF when it is carrying out its responsibilities of its contract by actually
39 performing, managing, and supervising the Work involved. The DBE must be
40 responsible for negotiating price; determining quality and quantity; ordering the
41 material, installing (where applicable); and paying for the material itself. If a DBE
42 does not perform “all” of these functions on a furnish-and-install contract, it has
43 not performed a CUF and the cost of materials cannot be counted toward DBE
44 COA Goal. Leasing of equipment from a leasing company is allowed. However,
45 leasing/purchasing equipment from the Contractor is not allowed. Lease
46 agreements shall be provided prior to the Subcontractor beginning Work. Any use
47 of the Contractor’s equipment by a DBE may not be credited as countable
48 participation.
49

1 The DBE does not perform a CUF if its role is limited to that of an extra participant
2 in a transaction, contract, or project through which the funds are passed in order
3 to obtain the appearance of DBE participation.
4

5 In order for a DBE traffic control company to be considered to be performing a
6 CUF, the DBE must be in control of its work inclusive of supervision. The DBE
7 shall employ a Traffic Control Supervisor who is directly involved in the
8 management and supervision of the traffic control employees and services.
9

10 The following are some of the factors that the Engineer will use in determining
11 whether a DBE trucking company is performing a CUF:
12

- 13 • The DBE shall be responsible for the management and supervision of
14 the entire trucking operation for which it is responsible on the contract.
15 The owner demonstrates business related knowledge, shows up on site
16 and is determined to be actively running the business.
17
- 18 • The DBE itself shall own and operate at least one fully licensed, insured,
19 and operational truck used on the Contract. The drivers of the trucks
20 owned and leased by the DBE must be exclusively employed by the DBE
21 and reflected on the DBE's payroll.
22
- 23 • Lease agreements for trucks shall indicate that the DBE has exclusive
24 use of and control over the truck(s). This does not preclude the leased
25 truck from working for others provided it is with the consent of the DBE
26 and the lease provides the DBE absolute priority for use of the leased
27 truck.
28
- 29 • Leased trucks shall display the name and identification number of the
30 DBE.
31

32 **UDBE/DBE/FSBE Truck Unit Listing Log**

33 In addition to the subcontracting requirements of Section 1-08.1, each DBE
34 trucking firm shall submit supplemental information consisting of a completed
35 Primary UDBE/DBE/FSBE Truck Unit Listing Log (WSDOT Form 350-077), copy
36 of vehicle registrations, and all Rental/Lease agreements (if applicable). The
37 supplemental information shall be submitted to the Engineer prior to any trucking
38 services being performed for DBE credit. Incomplete or incorrect supplemental
39 information will be returned for correction. The corrected Primary
40 UDBE/DBE/FSBE Truck Unit Listing Log and any Updated Primary
41 UDBE/DBE/FSBE Truck Unit Listing Logs shall be submitted and accepted by the
42 Engineer no later than ten calendar days of utilizing applicable trucks. Failure to
43 submit or update the DBE Truck Unit Listing Log may result in trucks not being
44 credited as DBE participation.
45

46 Each DBE trucking firm shall complete a Daily UDBE/DBE/FSBE Trucking Unit
47 Listing Log for each day that the DBE performs trucking services for DBE credit.
48 The Daily UDBE/DBE/FSBE Trucking Unit Listing Log forms shall be submitted to
49 the Engineer by Friday of the week after the work was performed.
50

1 **Joint Checking**

2 A joint check is a check between a Subcontractor and the Contractor to the
3 supplier of materials/supplies. The check is issued by the Contractor as payer to
4 the Subcontractor and the material supplier jointly for items to be incorporated into
5 the project. The DBE must release the check to the supplier, while the Contractor
6 acts solely as the guarantor.
7

8 A joint check agreement must be approved by the Engineer and requested by the
9 DBE involved using the DBE Joint Check Request Form (form # 272-053) prior to
10 its use. The form must accompany the DBE Joint Check Agreement between the
11 parties involved, including the conditions of the arrangement and expected use of
12 the joint checks.
13

14 The approval to use joint checks and the use will be closely monitored by the
15 Engineer. To receive DBE credit for performing a CUF with respect to obtaining
16 materials and supplies, a DBE must “be responsible for negotiating price,
17 determining quality and quantity, ordering the material, installing and paying for
18 the material itself.” The Contractor shall submit DBE Joint Check Request Form
19 to the Engineer and be in receipt of written approval prior to using a joint check.
20

21 Material costs paid by the Contractor directly to the material supplier are not
22 allowed. If proper procedures are not followed or the Engineer determines that
23 the arrangement results in lack of independence for the DBE involved, no DBE
24 credit will be given for the DBE’s participation as it relates to the material cost.
25

26 **Prompt Payment**

27 Prompt payment to all subcontractors shall be in accordance with Section 1-08.1.
28 Prompt payment requirements apply to progress payments as well as return of
29 retainage.
30

31 **Subcontracts**

32 Prior to a DBE performing Work on the Contract, an executed subcontract
33 between the DBE and the Contractor shall be submitted to the Engineer. The
34 executed subcontracts shall be submitted by email to the following email address
35

36 ORegionOEO@wsdot.wa.gov

37
38 The prime contractor shall notify the Engineer in writing within five calendar days
39 of subcontract submittal.
40

41 **Reporting**

42 The Contractor and all subcontractors/suppliers/service providers that utilize
43 DBEs to perform work on the project, shall maintain appropriate records that will
44 enable the Engineer to verify DBE participation throughout the life of the project.
45

46 Refer to Section 1-08.1 for additional reporting requirements associated with this
47 contract.
48

1 **Changes in COA Work Committed to DBE**

2 The Contractor shall utilize the COA DBEs to perform the work and supply the materials
3 for which each is committed unless prior written approval by the Engineer is received by
4 the Contractor. The Contractor shall not be entitled to any payment for work or material
5 completed by the Contractor or subcontractors that was committed to be completed by
6 the COA DBEs in the DBE Utilization Certification form.

7
8 **Owner Initiated Changes**

9 In instances where the Engineer makes changes that result in changes to Work
10 that was committed to a COA DBE the Contractor may be directed to substitute
11 for the Work.

12
13 **Contractor Initiated Changes**

14 The Contractor cannot change the scope or reduce the amount of work committed
15 to a COA DBE without good cause. Reducing DBE Commitment is viewed as
16 partial DBE termination, and therefore subject to the termination procedures
17 below.

18
19 **Original Quantity Underruns**

20 In the event that Work committed to a DBE firm as part of the COA underruns the
21 original planned quantities the Contractor may be required to substitute other
22 remaining Work to another DBE.

23
24 **Contractor Proposed DBE Substitutions**

25 Requests to substitute a COA DBE must be for good cause (see DBE termination
26 process below), and requires prior written approval of the Engineer. After
27 receiving a termination with good cause approval, the Contractor may only replace
28 a DBE with another certified DBE. When any changes between Contract Award
29 and Execution result in a substitution of COA DBE, the substitute DBE shall have
30 been certified prior to the bid opening on the Contract.

31
32 **DBE Termination**

33 Termination of a COA DBE (or an approved substitute DBE) is only allowed in
34 whole or in part for good cause and with prior written approval of the Engineer. If
35 the Contractor terminates a COA DBE without the prior written approval of the
36 Engineer, the Contractor shall not be entitled to payment for work or material
37 committed to, but not performed/supplied by the COA DBE. In addition, sanctions
38 may apply as described elsewhere in this specification.

39
40 Prior to requesting approval to terminate a COA DBE, the Contractor shall give
41 notice in writing to the DBE with a copy to the Engineer of its intent to request to
42 terminate DBE Work and the reasons for doing so. The DBE shall have five (5)
43 days to respond to the Contractor's notice. The DBE's response shall either
44 support the termination or advise the Engineer and the Contractor of the reasons
45 it objects to the termination of its subcontract.

46
47 If the request for termination is approved, the Contractor is required to substitute
48 with another DBE to perform at least the same amount of work as the DBE that
49 was terminated (or provide documentation of GFE). A plan to replace the COA
50 DBE Commitment amount shall be submitted to the Engineer within 2 days of the

1 approval of termination. The plan to replace the Commitment shall provide the
2 same detail as that required in the DBE Utilization Certification.

3
4 The Contractor must have good cause to terminate a COA DBE.

5
6 Good cause typically includes situations where the DBE Subcontractor is unable
7 or unwilling to perform the work of its subcontract. Good cause may exist if:

- 8
- 9 • The DBE fails or refuses to execute a written contract.
 - 10
 - 11 • The DBE fails or refuses to perform the Work of its subcontract in a way
12 consistent with normal industry standards.
 - 13
 - 14 • The DBE fails or refuses to meet the Contractor's reasonable
15 nondiscriminatory bond requirements.
 - 16
 - 17 • The DBE becomes bankrupt, insolvent, or exhibits credit unworthiness.
 - 18
 - 19 • The DBE is ineligible to work on public works projects because of
20 suspension and debarment proceedings pursuant to federal law or
21 applicable State law.
 - 22
 - 23 • The DBE is ineligible to receive DBE credit for the type of work involved.
 - 24
 - 25 • The DBE voluntarily withdraws from the project and provides written
26 notice of its withdrawal.
 - 27
 - 28 • The DBE's work is deemed unsatisfactory by the Engineer and not in
29 compliance with the Contract.
 - 30
 - 31 • The DBE's owner dies or becomes disabled with the result that the DBE
32 is unable to complete its Work on the Contract.
 - 33

34 Good cause does not exist if:

- 35
- 36 • The Contractor seeks to terminate a COA DBE so that the Contractor
37 can self-perform the Work.
 - 38
 - 39 • The Contractor seeks to terminate a COA DBE so the Contractor can
40 substitute another DBE contractor or non-DBE contractor after Contract
41 Award.
 - 42
 - 43 • The failure or refusal of the COA DBE to perform its Work on the
44 subcontract results from the bad faith or discriminatory action of the
45 Contractor (e.g., the failure of the Contractor to make timely payments or
46 the unnecessary placing of obstacles in the path of the DBE's Work).
 - 47

48 **Decertification**

49 When a DBE is "decertified" from the DBE program during the course of the
50 Contract, the participation of that DBE shall continue to count as DBE participation

1 as long as the subcontract with the DBE was executed prior to the decertification
2 notice. The Contractor is obligated to substitute when a DBE does not have an
3 executed subcontract agreement at the time of decertification.
4

5 **Consequences of Non-Compliance**

6 **Breach of Contract**

7 Each contract with a Contractor (and each subcontract the Contractor signs with a
8 Subcontractor) must include the following assurance clause:
9

10 The Contractor, subrecipient, or Subcontractor shall not discriminate on the basis
11 of race, color, national origin, or sex in the performance of this contract. The
12 Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award
13 and administration of DOT-assisted contracts. Failure by the Contractor to carry
14 out these requirements is a material breach of this Contract, which may result in
15 the termination of this Contract or such other remedy as the recipient deems
16 appropriate, which may include, but is not limited to:
17

- 18 (1) Withholding monthly progress payments;
- 19 (2) Assessing sanctions;
- 20 (3) Liquidated damages; and/or
- 21 (4) Disqualifying the Contractor from future bidding as non-responsible.
22
23
24
25

26 **Notice**

27 If the Contractor or any Subcontractor, Consultant, Regular Dealer, or service
28 provider is deemed to be in non-compliance, the Contractor will be informed in
29 writing, by certified mail by the Engineer that sanctions will be imposed for failure
30 to meet the DBE COA Commitment and/or submit documentation of good faith
31 efforts. The notice will state the specific sanctions to be imposed which may
32 include impacting a Contractor or other entity's ability to participate in future
33 contracts.
34

35 **Sanctions**

36 If it is determined that the Contractor's failure to meet all or part of the DBE COA
37 Commitment is due to the Contractor's inadequate good faith efforts throughout the life
38 of the Contract, including failure to submit timely, required Good Faith Efforts information
39 and documentation, the Contractor may be required to pay DBE penalty equal to the
40 amount of the unmet Commitment, in addition to the sanctions outlined in Section 1-
41 07.11(5).
42

43 **Payment**

44 Compensation for all costs involved with complying with the conditions of this
45 Specification and any other associated DBE requirements is included in payment for the
46 associated Contract items of Work, except otherwise provided in the Specifications.
47
48
49

1 **1-07.12 Federal Agency Inspection**
2 **(October 3, 2023 WSDOT GSP Option 1)**

3
4 *Section 1-07.12 is supplemented with the following:*

5
6 **Required Federal Aid Provisions**

7
8 The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273) Revised
9 October 23, 2023 and the amendments thereto supersede any conflicting provisions of the
10 Standard Specifications and are made a part of this Contract; provided, however, that if any of
11 the provisions of FHWA 1273, as amended, are less restrictive than Washington State Law,
12 then the Washington State Law shall prevail.

13
14 The provisions of FHWA 1273, as amended, included in this Contract require that the
15 Contractor insert the FHWA 1273 and amendments thereto in each subcontract, together with
16 the wage rates which are part of the FHWA 1273, as amended. Also, a clause shall be included
17 in each subcontract requiring the subcontractors to insert the FHWA 1273 and amendments
18 thereto in any lower tier subcontracts, together with the wage rates. The Contractor shall also
19 ensure that this section, REQUIRED FEDERAL AID PROVISIONS, is inserted in each
20 subcontract for subcontractors and lower tier subcontractors. For this purpose, upon request to
21 the Engineer, the Contractor will be provided with extra copies of the FHWA 1273, the
22 amendments thereto, the applicable wage rates, and this Special Provision.

23
24 **1-07.17 Utilities and Similar Facilities**

25 *Section 1-07.17 is supplemented with the following:*
26 **(April 2, 2007 WSDOT GSP Option 1)**

27
28 Locations and dimensions shown in the Plans for existing facilities are in accordance with
29 available information obtained without uncovering, measuring, or other verification.

30
31 The Contractor shall coordinate their work with all utilities and other organizations which have to
32 adjust or revise their facilities within the project area. These may include, but are not limited to:

- 33
34
- 35 • City of Tacoma Light Division, Contact: Kevin Kelley, phone: (253) 502-8229
 - 36 • City of Tacoma Water Division, Contact: Kimberly Baard, phone: (253) 396-3317
 - 37 • City of Tacoma Traffic Division, Signal/Streetlight Shop, phone: (253) 591-5287
 - 38 • Rainier Connect, Contact: Brian Munson, phone: (253) 312-2819;
39 Brian.Munson@Rainierconnect.net
 - 40 • Puget Sound Energy, Contact: Mike Klapperich, Electric, phone: (253) 313-3790;
41 michael.klapperich@pse.com OR Amber Uhls, Gas, phone: (253) 476-6137;
42 amber.uhls@pse.com
 - 43 • Lumen, Contact: Al (Aliyah) Skaro; relocations@lumen.com
 - 44 • Comcast, Contact: Todd Gallant, phone: (253) 878-4955;
45 todd_gallant@cable.comcast.com
 - 46 • AT&T/Siena Engineering Group, Contact: Louie Van Hollebeke, phone: (425) 896-9850;
47 louie.vanhollebeke@sienaengineeringgroup.com OR Steve Duppenthaler, phone: (425)
48 286-3822; sd1891@att.com OR Roberta Anderson, phone: (425) 896-9839;
49 roberta.anderson@sienaengineeringgroup.com
 - 50 • Level 3 Communications, Level3NetworkRelocations@Level3.com
 - One-Number Locator Service "One Call System" telephone **1-800-424-5555**

- 1 • Verizon, Contact: David Lacombe, phone: (206) 305-5366
- 2 • MCI Metro Utility, Contact: Brad Landis, phone: (425) 229-3123
- 3 • T-Mobile, Contact: Steven Schauer, Phone: (360) 402-7725; sschauer@cogentco.com
- 4 • Zayo, Washington; zayo.relo.washington@zayo.com and CC: phil.braum@zayo.com

6 **1-07.18 Public Liability and Property Damage Insurance**

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

9 **1-07.18 Insurance**

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

12 **1-07.18(1) General Requirements**

- 13 A. The Contractor shall procure and maintain the insurance described in all subsections of
14 section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of
15 not less than A-: VII and licensed to do business in the State of Washington. The
16 Contracting Agency reserves the right to approve or reject the insurance provided, based on
17 the insurer's financial condition.
- 18
- 19 B. The Contractor shall keep this insurance in force without interruption from the
20 commencement of the Contractor's Work through the term of the Contract and for thirty (30)
21 days after the Physical Completion date, unless otherwise indicated below.
- 22
- 23 C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all
24 subsequent renewals, shall be no later than the effective date of this Contract. The policy
25 shall state that coverage is claims made and state the retroactive date. Claims-made form
26 coverage shall be maintained by the Contractor for a minimum of 36 months following the
27 Completion Date or earlier termination of this Contract, and the Contractor shall annually
28 provide the Contracting Agency with proof of renewal. If renewal of the claims made form of
29 coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase
30 an extended reporting period ("tail") or execute another form of guarantee acceptable to the
31 Contracting Agency to assure financial responsibility for liability for services performed.
- 32
- 33 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or
34 Umbrella Liability insurance policies shall be primary and non-contributory insurance
35 as respects the Contracting Agency's insurance, self-insurance, or self-insured pool
36 coverage. Any insurance, self-insurance, or self-insured pool coverage maintained
37 by the Contracting Agency shall be excess of the Contractor's insurance and shall
38 not contribute with it.
- 39
- 40 E. The Contractor shall provide the Contracting Agency and all additional insureds with written
41 notice of any policy cancellation, within two business days of their receipt of such notice.
- 42
- 43 F. The Contractor shall not begin work under the Contract until the required insurance has
44 been obtained and approved by the Contracting Agency
- 45
- 46 G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a
47 material breach of contract, upon which the Contracting Agency may, after giving five
48 business days' notice to the Contractor to correct the breach, immediately terminate the
49 Contract or, at its discretion, procure or renew such insurance and pay any and all premiums
50 in connection therewith, with any sums so expended to be repaid to the Contracting Agency

1 on demand, or at the sole discretion of the Contracting Agency, offset against funds due the
2 Contractor from the Contracting Agency.

3
4 H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of
5 the Contract and no additional payment will be made.

6
7 **1-07.18(1) Insurance Provider Requirements**

8 *Section 1-07.18(1) is supplemented with the following*

9
10 (March 9, 2023 WSDOT GSP, Option 1)

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

16
17 **1-07.18(2) Additional Insured**

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

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

23
24 The above-listed entities shall be additional insured(s) for the full available limits of liability
25 maintained by the Contractor, irrespective of whether such limits maintained by the Contractor
26 are greater than those required by this Contract, and irrespective of whether the Certificate of
27 Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those
28 maintained by the Contractor.

29
30 For Commercial General Liability insurance coverage, the required additional insured
31 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations
32 and CG 20 37 10 01 for completed operations.

33
34 **1-07.18(3) Subcontractors**

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

39
40 The Contractor shall ensure that all subcontractors of every tier add all entities listed in
41 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that
42 section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10
43 01 for ongoing operations and CG 20 37 10 01 for completed operations.

44
45 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting
46 Agency evidence of insurance and copies of the additional insured endorsements of each
47 subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

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

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

8
9 Verification of coverage shall include:

- 10 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
11 2. Copies of all endorsements naming Contracting Agency and all other entities listed in
12 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit
13 a copy of any blanket additional insured clause from its policies instead of a separate
14 endorsement.
15 3. Any other amendatory endorsements to show the coverage required herein.
16 4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these
17 requirements – actual endorsements must be submitted.

18
19 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting
20 Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required
21 on this Project, a full and certified copy of that policy is required when the Contractor delivers
22 the signed Contract for the work.

23
24 **1-07.18(5) Coverages and Limits**

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

29
30 All deductibles and self-insured retentions must be disclosed and are subject to approval by the
31 Contracting Agency. The cost of any claim payments falling within the deductible or self-insured
32 retention shall be the responsibility of the Contractor. In the event an additional insured incurs a
33 liability subject to any policy's deductibles or self-insured retention, said deductibles or self-
34 insured retention shall be the responsibility of the Contractor.

35
36 **1-07.18(5)A Commercial General Liability**

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

42
43 The Commercial General Liability insurance shall be endorsed to provide a per project general
44 aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

45
46 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's
47 completed operations for at least three years following Substantial Completion of the Work.

1 Such policy must provide the following minimum limits:
2 \$1,000,000 Each Occurrence
3 \$2,000,000 General Aggregate
4 \$2,000,000 Products & Completed Operations Aggregate
5 \$1,000,000 Personal & Advertising Injury each offence
6 \$1,000,000 Stop Gap / Employers' Liability each accident

7
8 **1-07.18(5)B Automobile Liability**

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

13
14 Such policy must provide the following minimum limit:
15 \$1,000,000 Combined single limit each accident

16
17 **1-07.18(5)C Workers' Compensation**

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

20
21 **1-07.18(5)D Excess or Umbrella Liability**
22 **(January 4, 2016 APWA GSP)**

23
24 The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than
25 \$500,000 each occurrence and annual aggregate. This excess or umbrella liability coverage
26 shall be excess over and as least as broad in coverage as the Contractor's Commercial General
27 and Auto Liability insurance

28
29 All entities listed under 1-07.18(2) of these Special Provisions shall be named as additional
30 insureds on the Contractor's Excess or Umbrella Liability insurance policy.

31
32 This requirement may be satisfied instead through the Contractor's primary Commercial
33 General and Automobile Liability coverages, or any combination thereof that achieves the
34 overall required limits of insurance.

35
36 **1-07.23 Public Convenience and Safety**

37
38 **1-07.23(1) Construction Under Traffic**
39 **(May 2, 2017 APWA GSP)**

40
41 *Revise the third sentence of the second paragraph to read:*

42
43 Accessibility to existing or temporary pedestrian push buttons shall not be impaired; if approved
44 by the Contracting Agency activating pedestrian recall timing or other accommodation may be
45 allowed during construction.

46
47
48

1 **1-07.24 Rights of Way**
2 **(July 23, 2015 APWA GSP)**

3
4 *Delete this section and replace it with the following:*

5
6 Street Right of Way lines, limits of easements, and limits of construction permits are indicated in
7 the Plans. The Contractor's construction activities shall be confined within these limits, unless
8 arrangements for use of private property are made.

9
10 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and
11 easements, both permanent and temporary, necessary for carrying out the work. Exceptions to
12 this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly
13 issued Addendum.

14
15 Whenever any of the work is accomplished on or through property other than public Right of
16 Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement
17 agreement obtained by the Contracting Agency from the owner of the private property. Copies
18 of the easement agreements may be included in the Contract Provisions or made available to
19 the Contractor as soon as practical after they have been obtained by the Engineer.

20
21 Whenever easements or rights of entry have not been acquired prior to advertising, these areas
22 are so noted in the Plans. The Contractor shall not proceed with any portion of the work in
23 areas where right of way, easements or rights of entry have not been acquired until the
24 Engineer certifies to the Contractor that the right of way or easement is available or that the right
25 of entry has been received. If the Contractor is delayed due to acts of omission on the part of
26 the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor
27 will be entitled to an extension of time. The Contractor agrees that such delay shall not be a
28 breach of contract.

29
30 Each property owner shall be given 48 hours notice prior to entry by the Contractor. This
31 includes entry onto easements and private property where private improvements must be
32 adjusted.

33
34 The Contractor shall be responsible for providing, without expense or liability to the Contracting
35 Agency, any additional land and access thereto that the Contractor may desire for temporary
36 construction facilities, storage of materials, or other Contractor needs. However, before using
37 any private property, whether adjoining the work or not, the Contractor shall file with the
38 Engineer a written permission of the private property owner, and, upon vacating the premises, a
39 written release from the property owner of each property disturbed or otherwise interfered with
40 by reasons of construction pursued under this contract. The statement shall be signed by the
41 private property owner, or proper authority acting for the owner of the private property affected,
42 stating that permission has been granted to use the property and all necessary permits have
43 been obtained or, in the case of a release, that the restoration of the property has been
44 satisfactorily accomplished. The statement shall include the parcel number, address, and date
45 of signature. Written releases must be filed with the Engineer before the Completion Date will
46 be established.

1
2 **1-08 PROSECUTION AND PROGRESS**

3
4 *Add the following new section:*

5 **1-08.0 Preliminary Matters**
6 **(May 25, 2006 APWA GSP)**

7
8 **1-08.0(1) Preconstruction Conference**
9 **(October 10, 2008 APWA GSP)**

10
11 Prior to the Contractor beginning the work, a preconstruction conference will be held between
12 the Contractor, the Engineer and such other interested parties as may be invited. The purpose
13 of the preconstruction conference will be:

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

22
23 The Contractor shall prepare and submit at the preconstruction conference the following:

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

27
28 *Add the following new section:*

29 **1-08.0(2) Hours of Work**
30 **(December 8, 2014 APWA GSP)**

31
32 Except in the case of emergency or unless otherwise approved by the Engineer, the normal
33 working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and
34 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different
35 than the normal working hours stated above, the request must be submitted in writing prior to
36 the preconstruction conference, subject to the provisions below. The working hours for the
37 Contract shall be established at or prior to the preconstruction conference.

38
39 All working hours and days are also subject to local permit and ordinance conditions (such as
40 noise ordinances).

41
42 If the Contractor wishes to deviate from the established working hours, the Contractor shall
43 submit a written request to the Engineer for consideration. This request shall state what hours
44 are being requested, and why. Requests shall be submitted for review no later than 14 days
45 prior to the day(s) the Contractor is requesting to change the hours.

46
47 If the Contracting Agency approves such a deviation, such approval may be subject to certain
48 other conditions, which will be detailed in writing. For example:

- 49 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting
50 Agency for the costs in excess of straight-time costs for Contracting Agency

1 representatives who worked during such times. (The Engineer may require designated
2 representatives to be present during the work. Representatives who may be deemed
3 necessary by the Engineer include, but are not limited to: survey crews; personnel from
4 the Contracting Agency's material testing lab; inspectors; and other Contracting Agency
5 employees or third party consultants when, in the opinion of the Engineer, such work
6 necessitates their presence.)

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

15
16 **1-08.1 Subcontracting**
17 **(December 30, 2022 APWA GSP, Option A)**

18
19 *Section 1-08.1 is supplemented with the following:*

20
21 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall
22 submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between
23 the Contractor and the subcontractor or between the subcontractor and any lower tier
24 subcontractor has been executed. This certification shall also guarantee that these subcontract
25 agreements include all the documents required by the Special Provision Federal Agency
26 Inspection.

27
28 A subcontractor or lower tier subcontractor will not be permitted to perform any work under the
29 contract until the following documents have been completed and submitted to the Engineer:

- 30 1. Request to Sublet Work (WSDOT Form 421-012), and
- 31 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid
32 Projects (WSDOT Form 420-004).

33
34 The Contractor shall submit to the Engineer a completed Monthly Retainage Report (WSDOT
35 Form 272-065) within 15 calendar days after receipt of every monthly progress payment until
36 every subcontractor and lower tier subcontractor's retainage has been released.

37
38 The Contractor's records pertaining to the requirements of this Special Provision shall be open
39 to inspection or audit by representatives of the Contracting Agency during the life of the contract
40 and for a period of not less than three years after the date of acceptance of the contract. The
41 Contractor shall retain these records for that period. The Contractor shall also guarantee that
42 these records of all subcontractors and lower tier subcontractors shall be available and open to
43 similar inspection or audit for the same time period.

1 **1-08.3(2)A Type A Progress Schedule**
2 **(December 30, 2022 APWA GSP)**

3 *Revise this section to read:*

4
5 The Contractor shall submit 6 copies of a Type A Progress Schedule no later than at the
6 preconstruction conference, or some other mutually agreed upon submittal time. The schedule
7 may be a critical path method (CPM) schedule, bar chart, or other standard schedule format.
8 Regardless of which format used, the schedule shall identify the critical path. The Engineer will
9 evaluate the Type A Progress Schedule and approve or return the schedule for corrections
10 within 15 calendar days of receiving the submittal.

11
12 **1-08.4 Prosecution of Work**

13 *Delete this section and replace it with the following:*

14
15 **1-08.4 Notice to Proceed and Prosecution of Work**
16 **(July 23, 2015 APWA GSP)**

17
18 Notice to Proceed will be given after the contract has been executed and the contract bond and
19 evidence of insurance have been approved and filed by the Contracting Agency. The
20 Contractor shall not commence with the work until the Notice to Proceed has been given by the
21 Engineer. The Contractor shall commence construction activities on the project site within ten
22 days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall
23 diligently pursue the work to the physical completion date within the time specified in the
24 contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the
25 Contractor of the responsibility to complete the work within the time(s) specified in the contract.

26
27 When shown in the Plans, the first order of work shall be the installation of high visibility fencing
28 to delineate all areas for protection or restoration, as described in the Contract. Installation of
29 high visibility fencing adjacent to the roadway shall occur after the placement of all necessary
30 signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing,
31 the Contractor shall request the Engineer to inspect the fence. No other work shall be performed
32 on the site until the Contracting Agency has accepted the installation of high visibility fencing, as
33 described in the Contract.

34
35 **1-08.5 Time for Completion**
36 **(December 30, 2022 APWA GSP, Option A)**

37
38 *Revise the third and fourth paragraphs to read:*

39
40 Contract time shall begin on the first working day following the Notice to Proceed Date.

41
42 Each working day shall be charged to the contract as it occurs, until the contract work is
43 physically complete. If substantial completion has been granted and all the authorized working
44 days have been used, charging of working days will cease. Each week the Engineer will provide
45 the Contractor a statement that shows the number of working days: (1) charged to the contract
46 the week before; (2) specified for the physical completion of the contract; and (3) remaining for
47 the physical completion of the contract. The statement will also show the nonworking days and
48 all partial or whole days the Engineer declares as unworkable. The statement will be identified as
49 a Written Determination by the Engineer. If the Contractor does not agree with the Written
50 Determination of working days, the Contractor shall pursue the protest procedures in

1 accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the
2 Contractor shall be deemed as having accepted the statement as correct. If the Contractor is
3 approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the
4 week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth
5 day of that week will be charged as a working day whether or not the Contractor works on that
6 day.

7
8 Revise the sixth paragraph to read:

9
10 The Engineer will give the Contractor written notice of the completion date of the contract after
11 all the Contractor's obligations under the contract have been performed by the Contractor. The
12 following events must occur before the Completion Date can be established:

- 13 1. The physical work on the project must be complete; and
- 14 2. The Contractor must furnish all documentation required by the contract and required by
15 law, to allow the Contracting Agency to process final acceptance of the contract. The
16 following documents must be received by the Project Engineer prior to establishing a
17 completion date:
 - 18 a. Certified Payrolls (per Section 1-07.9(5)).
 - 19 b. Material Acceptance Certification Documents
 - 20 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the
21 Contract Provisions.
 - 22 d. Final Contract Voucher Certification
 - 23 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all
24 Subcontractors
 - 25 f. A copy of the Notice of Termination sent to the Washington State Department of
26 Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the
27 Notice of Termination by Ecology; and no rejection of the Notice of Termination by
28 Ecology. This requirement will not apply if the Construction Stormwater General
29 Permit is transferred back to the Contracting Agency in accordance with Section 8-
30 01.3(16).
 - 31 g. Property owner releases per Section 1-07.24

32
33 *This section is supplemented with the following:*
34 **(March 13, 1995 WSDOT GSP, Option 7)**

35
36 This project shall be physically completed within 70 working days.

37
38 **1-08.9 Liquidated Damages**
39 **(September 8, 2020, WSDOT GSP, Option 3)**

40
41 *Section 1-08.9 is supplemented with the following:*

42
43 Liquidated damages in the amount of \$1,650.00 per working day will be assessed for failure to
44 physically complete the Contract within the physical completion time specified.
45

1 **1-09 MEASUREMENT AND PAYMENT**

2
3 **1-09.2(1) General Requirements for Weighing Equipment**
4 **(December 30, 2022 APWA GSP, Option 2)**

5
6 *Revise item 4 of the fifth paragraph to read:*

- 7
8 4. Test results and scale weight records for each day's hauling operations are provided to
9 the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman's Daily
10 Report, unless the printed ticket contains the same information that is on the Scaleman's
11 Daily Report Form. The scale operator must provide AM and/or PM tare weights for
12 each truck on the printed ticket.

13
14 **1-09.2(5) Measurement**
15 **(December 30, 2022 APWA GSP)**

16
17 *Revise the first paragraph to read:*

18
19 **Scale Verification Checks** – At the Engineer's discretion, the Engineer may perform
20 verification checks on the accuracy of each batch, hopper, or platform scale used in weighing
21 contract items of Work.

22
23 **1-09.6 Force Account**
24 **(December 30, 2022 APWA GSP)**

25
26 *Supplement this Section with the following:*

27
28 The Contracting Agency has estimated and included in the Proposal, dollar amounts for all
29 items to be paid per force account, only to provide a common proposal for Bidders. All such
30 dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency
31 does not warrant expressly or by implication, that the actual amount of work will correspond with
32 those estimates. Payment will be made on the basis of the amount of work actually authorized
33 by Engineer.

34
35 **1-09.9 Payments**
36 **(December 30, 2022 APWA GSP)**

37
38 *Section 1-09.9 is revised to read:*

39
40 The basis of payment will be the actual quantities of Work performed according to the Contract
41 and as specified for payment.

42
43 The Contractor shall submit a breakdown of the cost of lump sum bid items at the
44 Preconstruction Conference, to enable the Project Engineer to determine the Work performed
45 on a monthly basis. A breakdown is not required for lump sum items that include a basis for
46 incremental payments as part of the respective Specification. Absent a lump sum breakdown,
47 the Project Engineer will make a determination based on information available. The Project
48 Engineer's determination of the cost of work shall be final.

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

4
5 The initial progress estimate will be made not later than 30 days after the Contractor
6 commences the work, and successive progress estimates will be made every month thereafter
7 until the Completion Date. Progress estimates made during progress of the work are tentative,
8 and made only for the purpose of determining progress payments. The progress estimates are
9 subject to change at any time prior to the calculation of the final payment.

10
11 The value of the progress estimate will be the sum of the following:

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

21
22 Progress payments will be made in accordance with the progress estimate less:

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

27
28 Progress payments for work performed shall not be evidence of acceptable performance or an
29 admission by the Contracting Agency that any work has been satisfactorily completed. The
30 determination of payments under the contract will be final in accordance with Section 1-05.1.

31
32 Failure to perform obligations under the Contract by the Contractor may be decreed by the
33 Contracting Agency to be adequate reason for withholding any payments until compliance is
34 achieved.

35
36 Upon completion of all Work and after final inspection (Section 1-05.11), the amount due the
37 Contractor under the Contract will be paid based upon the final estimate made by the Engineer
38 and presentation of a Final Contract Voucher Certification to be signed by the Contractor. The
39 Contractor's signature on such voucher shall be deemed a release of all claims of the
40 Contractor unless a Certified Claim is filed in accordance with the requirements of Section 1-
41 09.11 and is expressly excepted from the Contractor's certification on the Final Contract
42 Voucher Certification. The date the Contracting Agency signs the Final Contract Voucher
43 Certification constitutes the final acceptance date (Section 1-05.12).

44
45 If the Contractor fails, refuses, or is unable to sign and return the Final Contract Voucher
46 Certification or any other documentation required for completion and final acceptance of the
47 Contract, the Contracting Agency reserves the right to establish a Completion Date (for the
48 purpose of meeting the requirements of RCW 60.28) and unilaterally accept the Contract.
49 Unilateral final acceptance will occur only after the Contractor has been provided the

1 opportunity, by written request from the Engineer, to voluntarily submit such documents. If
2 voluntary compliance is not achieved, formal notification of the impending establishment of a
3 Completion Date and unilateral final acceptance will be provided by email with delivery
4 confirmation from the Contracting Agency to the Contractor, which will provide 30 calendar days
5 for the Contractor to submit the necessary documents. The 30 calendar day period will begin on
6 the date the email with delivery confirmation is received by the Contractor. The date the
7 Contracting Agency unilaterally signs the Final Contract Voucher Certification shall constitute
8 the Completion Date and the final acceptance date (Section 1-05.12). The reservation by the
9 Contracting Agency to unilaterally accept the Contract will apply to Contracts that are Physically
10 Completed in accordance with Section 1-08.5, or for Contracts that are terminated in
11 accordance with Section 1-08.10. Unilateral final acceptance of the Contract by the Contracting
12 Agency does not in any way relieve the Contractor of their responsibility to comply with all
13 Federal, State, tribal, or local laws, ordinances, and regulations that affect the Work under the
14 Contract.

15
16 Payment to the Contractor of partial estimates, final estimates, and retained percentages shall
17 be subject to controlling laws.

18
19 **1-09.9(1) Option 1 Retainage**
20 **(June 27, 2011 WSDOT GSP)**

21
22 *Section 1-09.9(1) content and title is deleted and replaced with the following:*

23
24 Vacant

25
26 **1-09.13(3)A Arbitration General**
27 **(January 19, 2022 APWA GSP)**

28
29 *Revise the third paragraph to read:*

30
31 The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
32 arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the
33 Superior Court of the county in which the Contracting Agency's headquarters is located,
34 provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050
35 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the
36 specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis
37 for decisions.

38
39 **1-09.13(4) Venue for Litigation**
40 **(December 30, 2022 APWA GSP)**

41
42 *Revise this section to read:*

43
44 Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's
45 headquarters is located, provided that where claims are asserted against a county, RCW
46 36.01.050 shall control venue and jurisdiction of the Superior Court. It is mutually agreed by the
47 parties that when litigation occurs, the Contractor shall permit the Contracting Agency to have
48 timely access to any records deemed necessary by the Contracting Agency to assist in
49 evaluating the claims or action.

1 **1-10 TEMPORARY TRAFFIC CONTROL**

2
3 *Section 1-10.2 is supplemented with the following:*

4
5 **(November 2, 2022 WSDOT GSP, Option 1)**
6 **Work Zone Safety Contingency**

7
8 Enhancements to improve the effectiveness of the accepted traffic control plans to increase the
9 safety of the work zones shall be discussed on a weekly basis between the Contractor and the
10 Contracting Agency. Enhancements shall be mutually agreed upon by the Contractor and
11 Engineer prior to performing any Work to implement the enhancement.

12
13 Enhancements do not include the use of Uniformed Police Officers or WSP, address changes to
14 the allowed work hour restrictions, or changes to the staging plans in the Contract (if
15 applicable). If allowed by the Engineer, these items will be addressed in accordance with
16 Section 1-04.4.

17
18 The Contractor shall be solely responsible for submitting any traffic control plan revision to
19 implement the enhancement in accordance with Section 1-10.2(2)

20
21 **1-10.2(1) Option 1 General**
22 **(October 3, 2022 WSDOT GSP)**

23
24 *Section 1-10.2(1) is supplemented with the following:*

25
26 The Traffic Control Supervisor shall be certified by one of the following:

27
28 The Northwest Laborers-Employers Training Trust
29 27055 Ohio Ave.
30 Kingston, WA 98346
31 (360) 297-3035
32 <https://www.nwlett.edu>

33
34 Evergreen Safety Council
35 12545 135th Ave. NE
36 Kirkland, WA 98034-8709
37 1-800-521-0778
38 <https://www.esc.org>

39
40 The American Traffic Safety Services Association
41 Riverside Parkway, Suite 100
42 Fredericksburg, Virginia 22406-1022
43 Training Dept. Toll Free (877) 642-4637
44 Phone: (540) 368-1701
45 <https://atssa.com/training>

1 Integrity Safety
2 3912 NE 20th Ave.
3 Vancouver, WA 98686
4 (360) 574-6071
5 <https://www.integritysafety.com>

6
7 US Safety Alliance
8 (904) 705-5660
9 <https://www.ussafetyalliance.com>

10
11 K&D Services Inc.
12 2719 Rockefeller Ave.
13 Everett, WA 98201
14 (800) 343-4049
15 <https://www.kndservices.net>

16
17 **1-10.3(3)K Option 1 Portable Temporary Traffic Control Signal**
18 **(November 2, 2022 WSDOT GSP Option 1)**

19
20 Section 1-10.3(3)K is revised to read:

21
22 Where shown on a traffic control plan, the Contractor shall provide, operate, maintain, and
23 remove a portable temporary traffic control signal system (PTSS) to provide automatic control of
24 traffic through an intersection or alternating one lane traffic operations on a two-way facility. A
25 PTSS shall be defined as two or more traffic control units that operate together. The system
26 shall be trailer mounted, fully self-contained, and designed so that it can be easily transported
27 and deployed at different locations.

28
29 The Contractor shall submit a Type 2 Working Drawing consisting of the manufacturer's
30 specifications for the PTSS. A manufacturer's representative is required to demonstrate the
31 capabilities of the PTSS prior to approval and provide training to Contractor personnel as
32 necessary.

33
34 Remote manual control of the PTSS by the Traffic Control Supervisor (TCS) or a qualified
35 operator may be allowed if necessitated by Work area or traffic conditions and as allowed by the
36 Engineer.

37
38 Each PTSS shall provide two signal displays for all road approaches and driveways with
39 existing signalization. Where signal displays are used for driveways between primary PTSS
40 signal displays, only one signal display may be used. Where a PTSS controls a roadway with a
41 through movement, one of the signal displays for that approach shall be overhead. Where a
42 PTSS controls a roadway without a through movement, such as the stem of a tee intersection,
43 the use of an overhead signal display is not required if there is not enough room for the trailer
44 and approved by the Engineer. Maximum distance between signal display trailers shall be 1,500
45 feet, unless otherwise shown on the Plans or ordered by the Engineer in accordance with
46 Section 1-04.4.

47
48 The Engineer or designee will inspect the PTSS at initial installation/operation and approve the
49 signal timing. Final approval will be based on the results of the operational inspection.

1 The TCS shall monitor and ensure that the PTSS is fully operational and maintained as
2 specified by the manufacturer. This Work may include cleaning and replacing lamps and other
3 routine maintenance as needed.

4
5 In the event repairs or adjustments are required, the Contractor shall respond immediately and
6 replace the PTSS operations with flagger traffic control. Flagger control shall remain in
7 operation until the Roadway can be safely reopened to traffic. PTSS repairs or PTSS
8 replacement with backup units shall occur within 24 hours.

9
10 The Engineer will monitor PTSS operations and order adjustments as needed based on traffic
11 conditions. Timing adjustments require the approval of the Engineer.

12
13 As shown on the traffic control plan, temporary stop bars and “STOP HERE ON RED” Signs
14 (R10-6) shall be provided at the location traffic is expected to stop during the red display. The
15 stop bar locations shall be illuminated at night. The illumination shall be the responsibility of the
16 Contractor and shall be adjusted to ensure minimal glare to motorists.

17
18 When not in operation, remove signal heads from the view of traffic or cover signal heads with
19 bags made of non-ripping material specifically designed for covering signal heads, including
20 reflective backplates. Do not use trash bags of any type. Remove, cover, fold, or turn all
21 inappropriate signs so that they are not readable by oncoming traffic.

22
23 The Contractor shall provide and install all field wiring to make a complete and operational
24 PTSS and shall maintain the system throughout the life of the Contract.

25
26 PTSS shall not be installed within 300 feet of at-grade railroad crossing. PTSS shall not be
27 installed where driveways or Roadway access points are located between the primary signal
28 displays unless the intersecting roadways and driveways are controlled by another PTSS signal
29 unit as part of the overall PTSS.

30
31 **1-10.4(3) Option 1 Reinstating Unit Items With Lump Sum Traffic Control**
32 **(November 2, 2022 WSDOT GSP)**

33
34 *Section 1-10.4(3) is supplemented with the following:*

35
36 The bid proposal contains the item “Project Temporary Traffic Control,” lump sum and the
37 additional temporary traffic control items listed below. The provisions of Section 1-10.4(1),
38 Section 1-10.4(3), and Section 1-10.5(3) shall apply.

39
40 “Work Zone Safety Contingency,” by force account.
41 “Pedestrian Traffic Control,” per lump sum.

42
43 **1-10.5(2) Payment**
44 **(November 2, 2022 WSDOT GSP, Option 7)**
45 ***Item Bids with Lump Sum for Incidentals***

46
47 Section 1-10.5(2) is supplemented with the following:

48
49 (November 2, 2022)
50 “Work Zone Safety Contingency”, by force account.

1
2 All costs as authorized by the Engineer will be paid for by force account as specified in Section
3 1-09.6.

4
5 For purpose of providing a common proposal for all bidders, the Contracting Agency has
6 entered an amount for the item "Work Zone Safety Contingency" in the Proposal to become a
7 part of the Contractor's total bid.

8
9 The Engineer may choose to use existing bid items for the implementation of the agreed upon
10 enhancement.

11
12

1 **2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**
2 **(March 17, 2016 Tacoma GSP)**

3
4 **2-01.1 Description**

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

6 The Contractor shall clear, grub, and cleanup those areas contained within the "Clearing &
7 Grubbing" limits indicated on the Plans.

8
9
10 *This section is supplemented with the following:*

11
12 Trees, stumps, shrubs, and brush located outside the Clearing & Grubbing limits shall be
13 considered as part of "Clearing and Grubbing" when identified for removal on the Plans.

14
15 **2-01.2 Disposal of Usable Material and Debris**

16 *The second paragraph is revised to read:*

17
18 The Contractor shall dispose of all debris in accordance with Section 2-01.2(2).

19
20 **2-01.3(1) Clearing**

21 *This section is revised to read:*

- 22 1. Fell trees only within the area to be cleared.
- 23 2. Close-cut parallel to the slope of the ground all stumps to be left in the cleared area
24 outside the slope stakes.
- 25 3. Close cut all stumps that will be buried by fills 5-feet or less in depth.
- 26 4. Follow these requirements for all stumps that will be buried by fills deeper than 5-feet
27 from the top, side, or end surface of the embankment or any structure and are in a
28 location that will not be terraced as described in Section 2-03.3(14):
 - 29 a. Close-cut stumps under 18-inches in diameter.
 - 30 b. Trim stumps that exceed 18-inches in diameter to no more than 12-inches
31 above original ground level.
- 32 5. Leave standing any trees or native growth indicated by the Engineer.
- 33 6. Trim all trees to be left standing to the height specified by the Engineer, with a
34 minimum height of eight (8) feet above sidewalk and fourteen (14) feet above the
35 roadway surface. Neatly cut all limbs close to the tree trunk.
- 36 7. Thin clumps of native growth as the Engineer may direct.
- 37 8. Protect, by fencing if necessary, all trees or native growth from any damage caused
38 by construction operations.

39
40 **2-01.3(2) Grubbing**

41 *Item e is revised to read:*

42
43 Upon which embankments will be placed, except stumps may be close-cut or trimmed as
44 allowed in Section 2-01.3(1) item 4.

45
46 **2-01.4 Measurement and Payment**

47 *This section is revised to read:*

48
49 Clearing and Grubbing shall be paid by lump sum and shall apply to the clearing and grubbing
50 of all landscaped areas to be cleared as shown on the plans.

1
2
3
4
5
6
7
8

“Clearing and Grubbing”, per lump sum

The lump sum price for “Clearing and Grubbing” shall be full pay for all material, labor, and equipment for Clearing and Grubbing of the landscaped areas on the plans.

END OF SECTION

1 **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**
2 **(December 9, 2005 Tacoma GSP)**

3
4 **2-02.3(3) Removal of Pavement, Sidewalks, and Curbs**
5 *This section is deleted.*

6
7
8
9 **END OF SECTION**

10
11

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19

**2-03 ROADWAY EXCAVATION AND EMBANKMENT
(August 14, 2019 Tacoma GSP)**

2-03.1 Description

The last sentence of the first paragraph is deleted.

2-03.3(5) Slope Treatment

This section is deleted.

2-03.3(19) Removal of Pavement, Sidewalks, Curbs, and Gutters

This section is deleted.

.

END OF SECTION

1 **2-06 SUBGRADE PREPARATION**
2 **(September 20, 2018 Tacoma GSP)**

3
4 **2-06.3 Construction Requirements**

5 *This section is supplemented with the following:*

6
7 **Subgrade Repair for Subgrade Not Constructed Under Same Contract**

8 Upon removal of pavement, the Contractor and City Inspector shall walk the subgrade surface
9 to determine and delineate any subgrade areas that need to be repaired. Any Subgrade areas
10 that require repair, from the initial walkthrough, shall be determined solely by the City Inspector.
11 Any initial subgrade repairs shall be paid for according to Section 2-06.5(2). Subgrade repair
12 shall be performed in accordance with Section 2-06 and immediately after it has been
13 determined and delineated. In order to minimize damage to the subgrade, the Contractor is
14 encouraged to minimize pavement removal during the work.

15
16 **Subgrade Maintenance and Protection**

17 Immediately after the contractor constructs the subgrade or completes initial subgrade repair to
18 the City's satisfaction, the contractor shall maintain and protect the subgrade. Any defects or
19 damage of the subgrade thereafter shall be repaired or replaced according to Section 2-06, at
20 the Contractor's expense before placement of any succeeding courses or pavement.
21 Maintenance and protection of the subgrade shall be the responsibility of the Contractor. The
22 Contractor shall be required to take precautionary measures to prevent damage by heavy loads
23 or equipment, as well as from inclement weather.

24
25 The Contractor and City Inspector should walk the exposed subgrade on a daily basis to
26 determine if there is damage to the subgrade. Any Subgrade areas that require repair
27 according to this section shall be determined solely by the City Inspector.

28
29 **2-06.5 Measurement and Payment**

30 *This section is supplemented with the following:*

31
32 Subgrade Maintenance and Protection shall be paid by lump sum and shall apply to all
33 subgrade.

34
35 "Subgrade Maintenance and Protection", per lump sum

36
37 The lump sum price for "Subgrade Maintenance and Protection" shall be full pay for all material,
38 labor, and equipment for implementation of subgrade maintenance and protection, as
39 determined by the City Inspector.

40
41 If the contractor fails to protect the subgrade so that additional subgrade repairs are required as
42 determined by the City Inspector, then the city shall not owe payment for these additional
43 subgrade repairs in accordance with Section 2-06.3.

44
45 **2-06.5(2) Subgrade Not Constructed Under Same Contract**

46 *Item 5 under this section is deleted.*

47
48
49 **END OF SECTION**
50

1
2 **2-07 WATERING**
3 **(August 3, 2009 Tacoma GSP)**
4

5 **2-07.3 Construction Requirements**

6 *The last sentence of the first paragraph is revised to read:*
7

8 The Engineer may direct that the Contractor apply water during non-working hours such as
9 evenings, weekends, or recognized holidays.

10
11 *Section 2-07.3 is supplemented with the following:*
12

13 **2-07.3(1) Water Supplied from Hydrants**
14

15 There is no guarantee that all fire hydrants will be available for use for cleaning, lining, or any
16 other construction activities associated with this project. Prior to construction activities, it shall
17 be the Contractor's responsibility to verify which hydrants will be available by contacting
18 Tacoma Water. The Contractor shall use only those hydrants designated by Tacoma Water.
19

20 Water supplied from hydrants governed by Tacoma Water shall be used in strict compliance
21 with the "Operating Procedures for the use of Water Division Hydrants" available at the Tacoma
22 Water Permit Counter.
23

24 The Contractor shall obtain a Hydrant Permit prior to start of work by contacting the Water
25 Permit Counter at (253) 502-8247, 2nd floor, Tacoma Public Utilities, Administrative Building,
26 3628 South 35th Street, Tacoma, WA 98409. A copy of the approved Hydrant Permit shall be
27 submitted to the Engineer.
28

29 Contractor personnel shall be in possession of a valid Tacoma Public Utilities Hydrant
30 Certification Card prior to obtaining a permit. If necessary, contractor personnel shall undergo
31 training to receive the required certification. Contact the Water Permit Counter to set up training
32 as necessary.
33
34

35 **END OF SECTION**
36

1 **2-09 STRUCTURE EXCAVATION**
2 **(March 17, 2016 Tacoma GSP)**

3
4 **2-09.4 Measurement**

5 *This section is supplemented with the following:*

6
7 **Longitudinal Limits.** For all storm and sanitary sewers, the longitudinal measurement will be
8 from center of manhole to center of manhole or to the inside face of catch basins and similar
9 type structures.

10
11 *The fourth paragraph is revised to read:*

12
13 There will be no specific unit of measure for the excavation required for manholes, catch basins,
14 grate inlets, and drop inlets.

15
16 **2-09.5 Payment**

17 *The pay item for "Structure Excavation Class B" is supplemented with the following:*

18
19 "Structure Excavation Class B", per cubic yard.

20
21 The unit Contract price for "Structure Excavation Class B" shall be full payment for all
22 excavation, removal of water; storing, protecting and re-handling of suitable backfill material;
23 backfilling of the trench, compaction of backfill, and all other work necessary for the construction
24 of the sewer trench.

25
26
27 **END OF SECTION**
28
29

1 **2-13 VEGETATION REMOVAL**
2 **(March 17, 2003 Tacoma GSP)**

3
4 **2-13.1 Description**

5
6 This Work shall consist of the removal and disposal of vegetation identified on the Plans.
7

8 **2-13.2 Definition of Vegetation**

9
10 A "tree" is defined as any self-supporting, woody perennial plant having a main stem (trunk) and
11 which normally attains a height of at least ten (10) feet at maturity, usually with one (1) main
12 stem or trunk and many branches.
13

14 A "shrub" is defined as any woody perennial plant which normally attains a height of less than
15 ten (10) feet at maturity and which can be construed to have some landscape value.
16

17 "Brush" is defined as any perennial vegetation which normally attains a height of ten (10) feet or
18 less at maturity, which is not maintained as part of a landscape feature, which is "volunteer"
19 growth or which exists in a naturalized state. Examples include but are not limited to stands of
20 blackberries and scotch broom.
21

22 **2-13.3 Construction Requirements**

23
24 All stumps not identified for removal shall be close-cut parallel to the slope of the ground.
25

26 All stumps identified for stump grinding shall be ground to eight inches below final grade.
27

28 Disposal of all debris shall be in accordance with Section 2-01.2(2).
29

30 **2-13.4 Measurement**

31
32 Trees shall be classified by the measured circumference at a point four and one-half (4-½) feet
33 above average ground level. Trees that have several stems at the four and one-half (4-½) foot
34 height will be considered a tree clump. The largest diameter single stem will be measured and
35 will dictate the class rating. Only the largest, single stem in the clump will be utilized for
36 measurement and payment.
37

38 Stumps shall be classified by the measured circumference at the highest point of the stump
39 above the average ground level or a point four and one-half (4-1/2) feet above the average
40 ground level, whichever is less.
41

42 Trees and stumps will be classified as follows:
43

44	Less than 12 inches	Class 0
45	12 inches up to but not including 36 inches	Class I
46	36 inches up to but not including 72 inches	Class II
47	72 inches up to but not including 127 inches	Class III
48	127 inches or more (Tree height greater than 30 feet)	Class IV
49	127 inches or more (Tree height of 30 feet or less)	Class V

50

1 Trees, stumps, and stump grinding will be measured per each for each class.

2

3 Shrubs will be measured per each.

4

5 Brush will be measured per square yard.

6

7 **2-13.5 Payment**

8

9 Payment will be made in accordance with Section 1-04.1.

10

11 "Remove Tree, Class __", per each

12

13 "Remove Stump, Class __", per each

14

15 "Stump Grinding, Class __", per each

16

17 "Remove Shrub", per each

18

19 "Remove Brush", per square yard

20

21 The unit Contract price shall be full pay to remove and dispose of the vegetative matter.

22

23 The unit Contract price for "Remove Tree, Class 0" and "Remove Tree, Class I" shall include the
24 removal of the stump.

25

26

27

END OF SECTION

28

29

1
2 **2-14 PAVEMENT REMOVAL**
3 **(March 17, 2003 Tacoma GSP)**

4
5 **2-14.1 Description**
6

7 The Work described in this section includes the removal and disposal of pavement surfaces
8 identified on the Plans or as marked in the field.
9

10 **2-14.2 Pavement Classification**
11

12 Removal of pavement will be according to type and class based on composition and thickness,
13 as defined below:
14

15 **Type I** Pavement removal where all or portions of the existing pavement is being
16 removed in conjunction with street construction or any other removal not
17 described below for Type II or Type III.
18

19 **Type II** Pavement removal required for the placing of utilities at greater and varying
20 depths, such as sewers.
21

22 **Type III** Pavement removal required for narrow and shallow utility cuts in order to
23 install light cables, conduits and similar shallow utilities.
24

25 **Class A2** Class A2 pavement removal shall apply to the removal of asphalt concrete,
26 bituminous road surfacing, multiple lift bituminous surface treatments or any
27 combination of these components having an average thickness of two inches
28 or less.
29

30 **Class A4** Class A4 pavement removal shall apply to the removal of asphalt concrete,
31 bituminous road surfacing, multiple lift bituminous surface treatments or any
32 combination of these components having an average thickness between two
33 inches and four inches.
34

35 **Class A8** Class A8 pavement removal shall apply to the removal of asphalt concrete,
36 bituminous road surfacing, multiple lift bituminous surface treatments or any
37 combination of these components having an average thickness between four
38 inches and eight inches.
39

40 **Class C6** Class C6 pavement removal shall apply to all non-reinforced cement concrete
41 pavements or slabs having an average thickness of six inches or less. After
42 the curbs and pavement have been constructed, the Contractor may be
43 required to remove additional sidewalk necessary to provide proper
44 connections and grades, as determined by the Engineer.
45

46 **Class C12** Class C12 pavement removal shall apply to all non-reinforced cement
47 concrete pavements or slabs having an average thickness of between 6
48 inches and 12 inches.
49

1 **Class CA** Class CA pavement removal shall apply to all pavements that have a wearing
2 surface of asphalt concrete upon a cement concrete pavement or, cement
3 concrete base, and for which the total combined thickness of the pavement
4 averages between six inches and twelve inches.

5
6 **Class H** Class H pavement removal shall apply to early type pavement of a cement
7 concrete base with a brick or cobblestone surface and potentially an
8 additional layer of asphalt concrete pavement for which the total combined
9 thickness of the pavement averages between ten inches and twenty inches.

10 11 **2-14.3 Construction Requirements**

12
13 All final meetlines shall be sawcut.

14
15 Where monolithic cement concrete pavement and curb are being removed, the curb removal
16 shall be considered as pavement removal, and the measurement for payment will be to the back
17 of the curb.

18
19 The removal of existing street improvements shall be conducted in such a manner as not to
20 damage utilities and any portion of the improvement that is to remain in place. Any deviation in
21 this matter will obligate the Contractor, at no expense to the Contracting Agency, to repair,
22 replace, or otherwise make proper restoration to the satisfaction of the Engineer.

23
24 In the event a pavement averages more than the maximum thickness specified for its class, an
25 additional payment will be made to cover the extra thickness removed by a proportional
26 conversion into additional square yards.

27 28 **2-14.4 Measurement**

29
30 Pavement removal will be measured per square yard.

31
32 Type I pavement removal will be measured in its original position through the use of survey
33 techniques.

34 35 **2-14.5 Payment**

36
37 Payment will be made in accordance with Section 1-04.1.

38
39 “Remove Existing Pavement, Type ___ Class ___”, per square yard

40
41 All costs associated with saw cutting meet lines shall be included in the unit Contract price for
42 pavement removal.

43
44
45 **END OF SECTION**
46
47

1
2 **2-15 CURB AND CURB AND GUTTER REMOVAL**
3 **(March 17, 2003 Tacoma GSP)**

4
5 **2-15.1 Description**
6

7 The Work described in this section includes the complete removal and disposal of curbs and
8 curb and gutter identified on the Plans or as marked in the field.
9

10 **2-15.2 Curb Classification**
11

12 Removal of curb and/or curb and gutter will be based on composition, as defined below:
13

14 **Integral Curb** - Integral curb shall consist of curb that is constructed monolithic with the
15 adjacent cement concrete pavement.
16

17 **Curb** - Curb may consist of cement concrete curb, granite curb, or any other combination of
18 rigid material that extends below the pavement surface elevation.
19

20 **Extruded/Precast Curb** - Extruded or precast curb may consist of asphalt or concrete extruded
21 or precast curb that is installed on a pavement surface.
22

23 **Curb and Gutter** - Curb and gutter may be cement concrete, or a cement concrete curb with a
24 brick gutter on a cement concrete base, or other combination of rigid material.
25

26 **2-15.3 Construction Requirements**
27

28 Integral curb removal shall consist of the removal of the curb and the integral base section
29 under the curb. The removal shall be accomplished by sawcutting along the face of the curb.
30

31 The removal of the curb and/or curb and gutter shall be conducted in such a manner as not to
32 damage utilities and any portion of the improvement that is to remain in place. Any deviation in
33 this matter will obligate the Contractor, at no expense to the Contracting Agency, to repair,
34 replace, or otherwise make proper restoration to the satisfaction of the Engineer.
35

36 **2-15.4 Measurement**
37

38 Curb and curb and gutter removal will be measured per linear foot.
39

40 **2-15.5 Payment**
41

42 Payment will be made in accordance with Section 1-04.1.
43

44 "Remove Integral Curb", per linear foot
45

46 "Remove Curb", per linear foot
47

48 "Remove Extruded/Precast Curb", per linear foot
49

50 "Remove Curb and Gutter", per linear foot

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All costs associated with saw cutting necessary for the removal of curb and/or curb and gutter shall be included in the unit Contract price for removal.

END OF SECTION

1
2 **2-16 REMOVAL OF CATCH BASINS, MANHOLES, CURB INLETS, ETC.**
3 **(March 17, 2003 Tacoma GSP)**

4
5 **2-16.1 Description**
6

7 The Work described in this section includes the complete removal and disposal of catch basins,
8 manholes, and curb inlets as identified on the Plans.
9

10 **2-16.2 Vacant**
11

12 **2-16.3 Construction Requirements**
13

14 Where the structures are removed, the excavation shall be backfilled with native material if
15 deemed suitable by the Engineer or imported backfill material.
16

17 Material determined by the Engineer to be unsuitable at the time of excavation shall be removed
18 and replaced with imported backfill material. Payment will be made at the unit contract price of
19 the item in the proposal, or as extra work under Section 1-04.4 if not included as an item in the
20 proposal.
21

22 All pipe openings shall be plugged in accordance with 7-08.3(4).
23

24 The removal of the structures shall be conducted in such a manner as not to damage utilities
25 and any portion of the improvement that is to remain in place. Any deviation in this matter will
26 obligate the Contractor, at no expense to the Contracting Agency, to repair, replace, or
27 otherwise make proper restoration to the satisfaction of the Engineer.
28

29 **2-16.4 Measurement**
30

31 The removal of catch basins, manholes, and curb inlets will be measured per each.
32

33 **2-16.5 Payment**
34

35 Payment will be made in accordance with Section 1-04.1.
36

37 "Remove Catch Basin", per each
38

39 "Remove Manhole", per each
40

41 "Remove Curb Inlet", per each
42

43 All costs associated with the placement and compaction of the backfill material shall be included
44 in the unit Contract price for removal.
45

46
47 **END OF SECTION**
48

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**3-04 ACCEPTANCE OF AGGREGATE
(April 1, 2012 Tacoma GSP)**

3-04.1 Description

The first and third paragraphs are deleted.

The fourth paragraph is revised to read:

Nonstatistical evaluation will be used for the acceptance of aggregate materials.

3-04.3(1) General

The first sentence is revised to read:

For the purpose of acceptance sampling and testing, all test results obtained for a material type will be evaluated collectively.

3-04.3(4) Testing Results

This section is replaced with the following:

The results of all acceptance testing will be provided by the City's Project Engineer within 3 working day of testing.

3-04.3(6) Statistical Evaluation

This section is deleted:

END OF SECTION

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4-04 BALLAST AND CRUSHED SURFACING
(March 17, 2003 Tacoma GSP)

4-04.5 Payment

This section is supplemented with the following:

All costs for labor, equipment, and materials required to furnish, place, and compact the crushed surfacing top course for all asphalt concrete approaches and non-paved approaches shall be included in the unit Contract price for "Crushed Surfacing Top Course", per ton.

END OF SECTION

1 **5-02 BITUMINOUS SURFACE TREATMENT**
2 **(March 3, 2008 Tacoma GSP)**

3
4 **5-02.3(1) Equipment**

5 *The third sentence of the third paragraph is revised to read:*

6
7 Each roller shall not weigh less than 8-tons and shall be capable of providing constant contact
8 pressure.

9
10
11
12
13

END OF SECTION

1
2 **5-04 HOT MIX ASPHALT**

3
4 **(April 1, 2018 Tacoma GSP)**

5 *The title of this section is revised to read:*

6
7 **5-04 POROUS ASPHALT AND HOT MIX ASPHALT**

8 **(April 1, 2018 Tacoma GSP)**

9 *This section is revised according to the following overriding provisions:*

10
11 Nonstatistical or test point evaluation shall be the method for HMA compaction acceptance for
12 all HMA pavement, except where visual or commercial evaluation is specified. Visual evaluation
13 shall be considered synonymous with commercial evaluation. The Contracting Agency will not
14 be required to perform any acceptance by statistical evaluation.

15
16 All references to “statistical” are revised to read “nonstatistical”, and “nonstatistical” evaluation
17 shall be considered synonymous with “test point” evaluation. Thus, all Specifications for test
18 procedures, methods, construction requirements, and requirements for evaluation and
19 acceptance shall apply to the Work with the following exceptions:

- 20 • The Contracting Agency shall not be required to perform statistical analysis of any
21 acceptance test results.
- 22 • Quantities for sublots and lots shall be as determined by the Engineer. If test results
23 are found not to be within specification requirements, additional testing as needed to
24 determine a CPF may be performed.
- 25 • The Contracting Agency shall not be required to make price adjustments based on pay
26 factors and composite pay factors.

27
28 **5-04.2 Materials**

29
30 **5-04.2(1) How to Get an HMA Mix Design on the QPL**

31 **(April 1, 2018 Tacoma GSP)**

32 For Subsection 5-04.2(1) the term “Contracting Agency” is revised to read “WSDOT”.

33
34 **5-04.2(2) Mix Design – Obtaining Project Approval**

35 **(April 1, 2018 Tacoma GSP)**

36 *This section is revised to read:*

37
38 The Contactor shall submit each HMA mix design to the Contracting Agency on WSDOT Form
39 350-042. The Contractor shall provide a mix design based upon 3 million ESAL’s.

40
41 No paving shall begin prior to the HMA mix design acceptance by the Engineer for the Job Mix
42 Formula (JMF) that will be used for the same paving. The Contracting Agency will evaluate
43 HMA mix design submittals according to Visual Evaluation per Table 1. The mix design will be
44 the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any
45 adjustments to the JMF will require the approval of the Project Engineer and must be made in
46 accordance with Section 9-03.8(7).

47
48 Mix designs for HMA shall have the aggregate structure and asphalt binder content determined
49 in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of
50 Sections 9-03.8(2) and 9-03.8(6). The Contractor shall determine anti-strip additive

1 requirements for the HMA and submit laboratory test data for anti-stripping and rutting in
2 accordance with the following options:

- 3 • Hamburg Wheel track Test and Section 9-03.8(2), or
- 4 • Tensile Strength Ratio (TSR) Test per AASHTO T 283, or
- 5 • Previous WSDOT Lab mix design verification test data and stripping evaluation, per the
6 Engineer's discretion and as stated below.

7
8 With the HMA mix design submittal the Contractor shall provide one of the following mix design
9 verification certifications for Contracting Agency review:

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

16
17 **The mix design shall be performed by a lab accredited by a national authority such as
18 Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The
19 Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO
20 Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO
21 resource proficiency sample program.

22
23 At the discretion of the Engineer, the Contracting Agency may accept verified mix designs older
24 than 12 months from the original verification date with a certification from the Contractor that the
25 materials and sources are the same as those shown on the original mix design.

26
27 For the use of Commercial HMA, the Contractor shall select a class of HMA and design level of
28 Equivalent Single Axle Loads (ESAL's) appropriate for the required use. Commercial HMA can
29 be accepted by a Contractor certificate of compliance letter stating the material meets the HMA
30 requirements defined in the Contract.

31
32 **5-04.2(2)B Using HMA Additives**
33 **(April 1, 2018 Tacoma GSP)**

34 *This section is revised to read:*

35
36 The Contractor may, at the Contractor's discretion, elect to use additives that reduce the
37 optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include
38 organic additives, chemical additives and foaming processes. The use of Additives is subject to
39 the following:

- 40
41 • Do not use additives that reduce the mixing temperature in the production of High
42 RAP/Any RAS mixtures.
- 43
44 • Before using additives, obtain the Engineer's approval using WSDOT Form 350-
45 076 to describe the proposed additive and process.

46
47 *Add this new sub-section (equals March 9, 2016 APWA GSP except for PG 58V- 22):*

1 **5-04.3 Construction Requirements**

2
3 **5-04.3(2) Paving Under Traffic**
4 **(April 1, 2018 Tacoma GSP)**

5 *The second paragraph is supplemented with the following:*

6
7 No traffic shall be allowed on any newly placed pavement without the approval of the Engineer.

8
9 **5-04.3(3)C Pavers**
10 **(April 1, 2018 Tacoma GSP)**

11 *The second paragraph is deleted.*

12
13 **5-04.3(3)D Material Transfer Device or Material Transfer Vehicle**
14 **(April 1, 2018 Tacoma GSP)**

15 *The first paragraph is revised to read:*

16
17 A Material Transfer Device/Vehicle (MTD/V) shall not be used unless specific paving areas are
18 specified below. A MTD/V shall only be used according to this special provision for the following
19 paving areas:

20
21 none

22
23 **5-04.3(4)C Pavement Repair**
24 **(April 1, 2018 Tacoma GSP)**

25 *This section is revised to read:*

26
27 Pavement repair shall be in accordance with the City of Tacoma Right-of-Way Restoration
28 Policy found at:

29
30 https://www.cityoftacoma.org/government/city_departments/public_works/right-of-way

31
32 Pavement repair consists of asphalt concrete saw-cutting, removing asphalt concrete pavement,
33 removing crushed surfacing and subgrade, and installing Construction Geotextile for
34 Separation, placing crushed surfacing top course over the Construction Geotextile, and HMA in
35 accordance with the Contract or as directed by the Engineer.

36
37 Pavement repair excavation may also be performed by the use of a milling machine of a type
38 that has operated successfully on work comparable with that to be done under the Contract and
39 shall be approved by the Engineer prior to use. If a milling machine is used for excavation, the
40 excavation shall be as directed by the Engineer.

41
42 In all types of excavation, after the removal of the asphalt, the base material will be evaluated by
43 the Engineer to determine if it is suitable. If the base is determined not to be suitable, the
44 Contractor shall remove the base material and restore the sub-grade in accordance with Section
45 2-06 and the Plans, regardless of the method used for excavation.

46
47 Estimated plan quantities for pavement repair are approximate and are provided for bidding
48 purposes only. The actual dimensions to be used will be verified by the Engineer at the time of
49 construction. Contrary to Section 1-04.6, no changes to the unit prices bid for the various items
50 will be permitted due to any increase or decrease in the amount of pavement repair.

1 Payment for pavement repair shall be by the unit Bid prices according to the Contract for all
2 materials, labor, and equipment required to complete the pavement repair. Items not included
3 in the Proposal shall be paid for according to Section 1-04.1(2).

4
5 **5-04.3(6) Mixing**
6 **(Aug 1, 2020 Tacoma GSP)**

7 *The first paragraph is revised to read:*

8
9 The asphalt supplier shall add any recycling agent and anti-stripping additive to the liquid
10 asphalt binder prior to shipment to the asphalt mixing plant, when the mix design includes these
11 additives. The Contractor shall submit the anti-stripping additive amount and the manufacturer's
12 certification, together with the HMA mix design submittal in accordance with Section 5-04.2.
13 Paving shall not begin before the anti-stripping additive submittal is accepted by the Engineer.

14
15 **5-04.3(8) Aggregate Acceptance prior to Incorporation in HMA**
16 **(Aug 1, 2020 Tacoma GSP)**

17 *This section is revised to read:*

18
19 Sample aggregate in accordance with Section 3-04 prior to being incorporated into HMA. The
20 Contracting Agency shall evaluate the aggregate according to Special Provision 3-04.
21 Aggregate contributed from RAP or RAS shall not be evaluated under Section 3-04.

22
23 The combined aggregate bulk specific gravity (Gsb) blend as shown on the HMA Mix Design
24 report or evaluation report per Special Provision 5-04.2(2) will be used for VMA calculations.
25 The Contracting Agency shall not be required to perform a Gsb test.

26
27 **5-04.3(9) HMA Mixture Acceptance**
28 **(April 1, 2018 Tacoma GSP)**

29 *The first paragraph is revised to read:*

30
31 The Contracting Agency will evaluate the HMA mixture by nonstatistical or visual evaluation as
32 determined from the criteria in Table 7 or as determined by the Engineer.

33
34 **5-04.3(9)A Test Sections**
35 **(April 1, 2018 Tacoma GSP)**

36 *The first paragraph is revised to read:*

37
38 At the start of paving, if requested by the Contractor, a compaction test section shall be
39 constructed as directed by the Engineer to determine the compactibility of the mix design.
40 Compactibility shall be based on the ability of the mix to attain the specified minimum density
41 (91 percent of the maximum density determined by WSDOT SOP 729, and FOP for AASHTO T
42 209). Note that for PHMA the compaction requirements are different and are in accordance with
43 Special Provision Section 5-04.3(10)A.

44
45 Following determination of compactibility, the Contractor is responsible for the control of the
46 compaction effort. If the Contractor does not request a test section, the mix will be considered
47 compactible. See also Section 5-04.3(10)C2.

1 The Contractor shall also construct a test section when requested by the Engineer. Test
2 sections that are in complete compliance with the requirements of Section 5-04 can be
3 incorporated into the Work, and shall be included in the quantities for related Bid Items;
4 otherwise, the Contractor shall remove the defective pavement in failed test sections as
5 determined by the Engineer and at no cost to the Contracting Agency. The Contracting Agency
6 will only pay for HMA pavement that is accepted and incorporated into the project at the
7 discretion of the Engineer. See also Section 5-04.3(10)C2.

8
9 *The second paragraph is revised to read:*

10
11 The purpose of a test section is to determine whether or not the Contractor's mix design and
12 production processes will produce HMA meeting the Contract requirements related to mixture.
13 Construct HMA mixture test sections at the beginning of paving, using at least 100 tons and a
14 maximum of 800 tons or as specified by the Engineer. Each test section shall be constructed in
15 one continuous operation.

16
17 **5-04.3(9)B Mixture Acceptance – Statistical Evaluation**
18 **(April 1, 2018 Tacoma GSP)**

19 *The title of this Section is revised to read:*

20 **5-04.3(9)B Mixture Acceptance – Nonstatistical Evaluation**

21
22 **5-04.3(9)B1 Mixture Statistical Evaluation – Lots and Sublots**
23 **(April 1, 2018 Tacoma GSP)**

24 *The title of this Section is revised to read:*

25 **5-04.3(9)B1 Mixture Nonstatistical Evaluation – Lots and Sublots**
26 **(April 1, 2018 Tacoma GSP)**

27 *This Section is revised to read:*

28
29 For HMA in a structural application, sampling and testing for total project quantities less than
30 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a
31 total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance
32 test shall be performed:

- 33 i. If test results are found to be within specification requirements, additional testing
34 will be at the engineer's discretion.
 - 35 ii. If test results are found not to be within specification requirements, additional
36 testing as needed to determine a CPF shall be performed.
 - 37 iii. For a mixture lot in progress with a mixture CPF less than 0.75, a new mixture lot
38 will begin at the Contractor's request after the Engineer is satisfied that material
39 conforming to the Specifications can be produced. See also Section 5-
40 04.3(11)F.
 - 41 iv. If, before completing a mixture lot, the Contractor requests a change to the JMF
42 which is approved by the Engineer, the mixture produced in that lot after the
43 approved change will be evaluated on the basis of the changed JMF, and the
44 mixture produced in that lot before the approved change will be evaluated on the
45 basis of the unchanged JMF; however, the mixture before and after the change
46 will be evaluated in the same lot. Acceptance of subsequent mixture lots will be
47 evaluated on the basis of the changed JMF.
- 48
49

1 **5-04.3(9)E Mixture Acceptance – Notification of Acceptance Test Results**
2 **(Aug 1, 2020 Tacoma GSP)**

3 *This section is revised to read:*

4
5 The Contracting Agency will endeavor to provide written notification (via email to the
6 Contractor’s designee) of acceptance test results within 24 hours of the sample being made
7 available to the Contracting Agency. However, the Contractor agrees:

- 8
9 1. Quality control, defined as the system used by the Contractor to monitor, assess,
10 and adjust its production processes to ensure that the final HMA mixture will
11 meet the specified level of quality, is the sole responsibility of the Contractor.
12
13 2. The Contractor has no right to rely on any testing performed by the Contracting
14 Agency, nor does the Contractor have any right to rely on timely notification by
15 the Contracting Agency of the Contracting Agency’s test results (or statistical
16 analysis thereof), for any part of quality control and/or for making changes or
17 correction to any aspect of the HMA mixture.
18
19 3. The Contractor shall make no claim for untimely notification by the Contracting
20 Agency of the Contracting Agency’s test results (or statistical analysis thereof).
21

22 **5-04.3(10)B HMA Compaction - Cyclic Density**
23 **(April 1, 2018 Tacoma GSP)**

24 *This section is deleted.*

25
26 **5-04.3(10)C1 HMA Compaction Statistical Evaluation – Lots and Sublots**
27 **(April 1, 2018 Tacoma GSP)**

28 *This section is deleted.*

29
30 **5-04.3(10)C2 HMA Compaction Statistical Evaluation – Acceptance Testing**
31 **(April 1, 2018 Tacoma GSP)**

32
33 *The title of this section is revised to read:*

34 **5-04.3(10)C2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing**

35 *The second paragraph is revised to read:*

36
37 Compaction tests will be performed at a minimum of 5 various locations, as determined by the
38 Engineer, for each 400 tons placed. The locations will be determined by the stratified random
39 sampling procedure conforming to WSDOT Test Method T 716. For an area in progress with a
40 CPF less than 0.75, a new compaction sequence will begin at the Contractor's request after the
41 Project Engineer is satisfied that material conforming to the Specifications can be produced.
42 The Compaction Test Procedures will be provided to the Contractor by the Contracting Agency
43 at the Pre-Construction Conference or a Pre-Paving Meeting, prior to the placement of HMA
44 material on site.

45
46 *This Section is supplemented with the following:*

47
48 Cores may be used as an addition to the nuclear density gauge tests. When cores are taken by
49 the Engineer at the request of the Contractor, the request shall be made by noon of the first

1 working day following placement of the mix. The Engineer shall be reimbursed for the coring
2 expenses.

3
4 The Engineer will inform the Contractor of field compaction test results as work is being
5 performed. Formal Test Report(s) will be provided to the Contractor within 3 Working Days.

6
7 HMA for preleveling shall be compacted to the satisfaction of the Engineer.

8
9 **5-04.4 Measurement**

10 **(April 1, 2018 Tacoma GSP)**

11 *The first paragraph is revised to read:*

12
13 HMA Cl. ___ PG ___, PHMA, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured
14 by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of
15 asphalt binder, blending sand, mineral filler, anti-stripping additive, or any other component of
16 the mixture; and the measurement shall include asphalt wedge curbs, and thickened edges in
17 accordance with the Plans or as directed by the Engineer. If the Contractor elects to remove
18 and replace mix as allowed in Section 5-04.3(11), the material removed will not be measured.

19
20 *The second paragraph is revised to read:*

21
22 No specific unit of measure will apply to roadway cores, which shall be included in the
23 measurements for the HMA items that are included in the Proposal.

24
25 *This section is supplemented with the following:*

26
27 HMA for Approach Cl. ___ PG 58H-22 shall be measured per square yard of finished driveway
28 and approach.

29
30 No specific unit of measure will apply to Anti-Stripping Additive, which shall be included in the
31 measurements for the HMA items that are included in the Proposal.

32
33 **5-04.5 Payment**

34 **(April 1, 2018 Tacoma GSP)**

35 *Pay items for "Job Mix Compliance Price Adjustment" and "Compaction Price Adjustment" are*
36 *deleted.*

37
38 *The following pay items for HMA are revised to read:*

39
40 "HMA Cl. ___ PG ___", per ton.

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

42
43 The unit Contract price per ton for "HMA Cl. ___ PG ___", and "HMA for ___ Cl. ___ PG ___" shall
44 be full payment for all costs incurred to carry out the requirements of Section 5-04, including
45 coring and testing, and shall include anti-stripping additive, asphalt wedge curbs, thickened
46 edges, curb drains, and connection to existing drains in accordance with the Contract. Any
47 costs that are already included in other Bid items in the Proposal shall not be included in the unit
48 Contract prices per ton for these HMA Bid items.

49
50 *The pay item "HMA for Approach Cl. ___PG___" is revised to read:*

1
2 "HMA for Approach Cl. __ PG 58H-22", per square yard.

3
4 The unit Contract price per square yard for "HMA for Approach Cl. __ PG 58H-22" shall be full
5 payment for all costs incurred to carry out the requirements of Section 5-04, including anti-
6 stripping additive; and shall include asphalt wedge curbs, thickened edges, curb drains, and
7 connection to existing drains in accordance with the Contract. Any costs that are already
8 included in other Bid items in the Proposal shall not be included in the unit Contract price per
9 square yard for this HMA Bid item. The Contractor shall also include all costs associated with
10 excavating for driveways and approach, including haul and disposal in the unit Contract price
11 per square yard for "HMA for Approach Cl. __ PG 58H-22" , regardless of the depth.

12
13 *This section is supplemented with the following:*

14
15 "HMA Cl. __ PG __ for Pavement Patch", per ton.

16
17 The unit Contract price for pavement patch shall be full pay for all labor, equipment, and
18 materials required to complete the patching of the street, including joints, where required, and
19 removal of temporary base.

20
21 "Cold Plant Mix for Temporary Pavement Patch", per ton.

22
23 The unit Contract price for "Cold Plant Mix for Temporary Pavement Patch" shall be full pay for
24 all labor, equipment, and materials required to furnish and install; maintain; and remove and
25 dispose of the temporary patch.

26
27 Temporary pavement patches placed between October 1st and March 31st shall be HMA Cl. ½"
28 PG 58H-22.

29
30
31
32 **END OF SECTION**

33
34
35

1 **5-05 CEMENT CONCRETE PAVEMENT**
2 **(October 14, 2020 Tacoma GSP)**

3
4 **5-05.1 Description**

5 *This section is supplemented with the following:*

6
7 All concrete pavement restoration shall be performed in accordance with the City of Tacoma's
8 Right-of-Way Restoration Policy found at www.govME.org.

9
10 **5-05.3 Construction Requirements**

11
12 **5-05.3(1) Concrete Mix Design for Paving**

13 *The sixth paragraph is supplemented with the following:*

14
15 The submittal for the concrete mix design shall provide the following: the date, the amount of
16 materials (i.e. cement, sand, aggregates, water), the type and amount of each admixture, and
17 the designated 28-day compressive strength specific to the mix design being submitted. The
18 design compressive strength shall be a minimum of 4000 psi.

19
20 **5-05.3(4)A Acceptance of Portland Cement Concrete Pavement**

21 *This section is supplemented with the following:*

22
23 Acceptance of concrete will be on a non-statistical acceptance only.

24
25 *The first, second, third and fourth paragraphs are deleted.*

26
27 **5-05.3(8) Joints**

28 *The second paragraph is revised to read:*

29
30 The Contractor shall submit a concrete panel jointing plan in accordance with the Plans and
31 these Specifications. When a concrete panel jointing plan is included in the Plans, the
32 Contractor may adopt or submit a revised jointing plan in accordance with Standard Plans and
33 the Specifications at the Contractor's own expense. The Contractor's jointing plan shall be
34 approved in writing by the Engineer before the start of concrete paving.

35
36 When new pavement abuts existing pavement, the locations of the joints in the new pavement
37 shall match with the joints in the existing pavement unless otherwise approved by the Engineer.

38
39 **5-05.3(11) Finishing**

40
41 *The third paragraph is revised to read:*

42
43 In advance of curing operations, the pavement shall receive an initial texturing followed by final
44 finishing. Initial texturing shall be performed with a burlap drag or broom device, creating
45 striations in the same orientation as the final finish. The concrete roadway surface shall be
46 finished with a transverse tining finish. Where integral concrete curbs are constructed, the
47 roadway surface finish shall end 12 inches from the flowline.

1 *The fourth paragraph is revised to read:*

2
3 Burlap drags, brooms and tine devices may be installed on self-propelled equipment having
4 external alignment control. When texturing the pavement with burlap, the area of burlap in
5 contact with the pavement shall be maintained constant at all times. Broom and tine devices
6 shall be provided with positive elevation control. Downward pressure on pavement surface shall
7 be maintained at all times during texturing so as to achieve uniform texturing without
8 measurable variations in pavement profile. If self-propelled texturing machines are used, these
9 shall be operated so that travel speed during texturing is maintained constant. Failure of the
10 texturing equipment to perform according to this section shall constitute cause for stopping
11 placement of concrete until the equipment deficiency or malfunction is corrected.
12

13 *The fifth paragraph is revised to read:*

14
15 The surface finish shall be as shown per Plans and in accordance with these Special
16 Provisions. The Engineer may specify either transverse tining, or longitudinal tining, or a heavy
17 broom finish for any part of the project. Transverse tining is the standard concrete finish.
18

19 *The seventh paragraph is revised to read:*

20
21 **Test Panel:**

22 At the start of concrete pavement construction, the Contractor shall first finish a textured
23 concrete test panel and the Engineer shall give approval of the achieved finish according to this
24 section prior to further concrete pavement construction. If the test panel is rejected by the
25 Engineer, the Contractor shall remove and replace the test panel at no additional cost to the
26 Contracting Agency. The Contractor can designate one of the project panels as a test panel or
27 create a sacrificial test panel on site of at least four feet by eight feet.
28

29 Project panels not meeting the characteristics of the test panel shall be removed and replaced
30 at no additional cost to the Contracting Agency.
31

32 *The eighth through tenth paragraphs are deleted.*

33
34 **5-05.3(12) Surface Smoothness**

35 *The section is revised to read:*

36
37 The Contractor shall measure surface smoothness with a 10-foot straightedge as directed by
38 the Engineer. The finished grade surface shall not vary more than 1/8 inch from the bottom
39 edge of a 10-foot straightedge placed on the surface parallel to the centerline. Perpendicular to
40 the centerline, the finished grade surface shall not vary more than 1/4 inch from the bottom edge
41 of a 10-foot straightedge laid across any lane.
42

43 The completed surface shall be of uniform texture, smooth, shall conform to Plans as to crown
44 and grade, and shall be free from defects of all kinds. Corrective work shall be as directed by
45 the Engineer; and the Contractor shall complete corrective work at no additional expense,
46 including traffic control, to the City of Tacoma.
47

48 **The following additional requirements for placing concrete shall be in effect from**
49 **5-05.3(14) Cold Weather Work**

50 *This section is supplemented with the following:*

1
2 The following additional requirements for placing concrete shall be in effect from November 1 to
3 April 1:

- 4 • Engineer shall be notified at least 24 hours prior to placement of concrete.
- 5 • All concrete placement shall be completed no later than 2:00 p.m. each day.
- 6 • Where forms have been placed and the subgrade has been subjected to frost, no
7 concrete shall be placed until the ground is completely thawed. At that time, the
8 forms shall be adjusted and subgrade repaired as determined by the Engineer.
9

10 **5-05.4 Measurement**

11 *This section is revised to read:*

12
13 Measurement for cement concrete pavement and concrete base pavement shall be by the
14 square yard for the pavement completed and accepted according to Section 5-05 and the Plans,
15 including the area underneath curbs. No deduction will be made for castings in pavement.
16

17 Cement Concrete Pavement for Pavement Patches will be measured by the square yard

18
19 Epoxy-Coated Tie Bars with Drill Hole that are drilled into existing cement concrete pavement
20 will be measured per each tie bar installed according to the Plans and Section 5-05.
21

22 Dowel Bar Retrofit shall be measured per each retrofitted dowel bar installed into an existing
23 concrete pavement edge according to the Plans and Section 5-05.
24

25 **5-05.5 Payment**

26 *This section is revised to read:*

27
28 Payment will be made in accordance with Section 1-04.1.

29
30 “Cement Conc. Pavement, ___-Inch Section”, per square yard.
31

32 The unit Contract price per square yard for “Cement Conc. Pavement, ___-Inch Section” shall
33 be full payment for all costs incurred to carry out the requirements of Section 5-05 and the
34 Plans, and shall include furnishing and installing epoxy coated dowel bars and tie bars except
35 as specified for “Dowell Bar Retrofit” and “Epoxy-Coated Tie Bar with Drill Hole” in this section.
36

37 Tie bars that are drilled into existing cement concrete pavement that is not constructed under
38 the Contract will be paid for under the item “Epoxy-Coated Tie Bar with Drill Hole” when
39 included in the Proposal.
40

41 Dowell bars that are retrofitted into an existing concrete pavement that is not constructed under
42 the Contract will be paid for under the Bid item “Dowel Bar Retrofit” when included in the
43 Proposal.
44

45 “Epoxy-Coated Tie Bar with Drill Hole”, per each.

46
47 The unit Contract price per each for “Epoxy-Coated Tie Bar with Drill Hole” shall be full payment
48 for all equipment, tools, materials, and labor to drill holes, furnish and install tie-bars, epoxy-
49 bonding agent, grout according to Section 5-05 and the Plans.
50

1 "Dowel Bar Retrofit", per each.
2

3 The unit Contract price per each for "Dowel Bar Retrofit" shall be full payment for all equipment,
4 tools, materials, and labor to drill holes, furnish dowel bars, furnish and install parting
5 compound, and to construct the dowel bar retrofits according to Section 5-05 and the Plans.
6

7 "Cement Conc. Base Pavement, ___-Inch Section", per square yard.
8

9 The unit Contract price per square yard for "Cement Conc. Base Pavement, ___-Inch Section"
10 shall be full payment for all costs incurred to carry out the requirements of Section 5-05 and the
11 Plans, and shall include all costs associated with the furnishing and installing of all necessary
12 dowel bars and tie bars except as specified for "Dowel Bar Retrofit" and "Epoxy-Coated Tie Bar
13 with Drill Hole" in this section.
14

15 "Cement Conc. Pavement for Pavement Patch, ___-Inch Section", per square yard.
16

17 The unit Contract price for "Cement Conc. Pavement for Pavement Patch, ___-Inch Section"
18 shall be full payment for all costs incurred to carry out the requirements of Section 5-05 and the
19 Plans, and shall include all costs associated with the furnishing and installing of all necessary
20 dowel bars and tie bars except as specified for "Dowel Bar Retrofit" and "Epoxy-Coated Tie Bar
21 with Drill Hole" in this section.
22

23
24
25

END OF SECTION

1 **6-02 CONCRETE STRUCTURES**
2 **(February 16, 2011 Tacoma GSP)**

3
4 **6-02.3(2)B Commercial Concrete**

5 *This section is supplemented with the following:*

6
7 Where concrete Class 3000 is specified for driveways, the Contractor may use commercial
8 concrete.

9
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END OF SECTION

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7-02 CULVERTS
(April 1, 2012 Tacoma GSP)

7-02.2 Materials

This section is supplemented with the following:

All culvert pipe shall have a smooth interior wall.

END OF SECTION

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7-04 STORM SEWERS
(March 17, 2003 Tacoma GSP)

This section is deleted. The requirements of Section 7-17 shall apply to storm sewers.

END OF SECTION

1
2 **7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**
3 **(March 23, 2010 Tacoma GSP)**

4
5 **7-05.1 Description**

6 *This section is supplemented with the following:*

7
8 All references to sanitary sewers shall be construed to also mean storm sewers.

9
10 **7-05.3 Construction Requirements**

11 *The first sentence of the eleventh paragraph is revised to read:*

12
13 A flexible pipe-to-manhole connector shall be used in all connections of rigid and thermoplastic
14 pipes to **new** precast concrete manholes to provide a watertight joint between the pipe and the
15 manhole, unless otherwise directed by the Engineer. The connector shall be "Kor-N-Seal" with
16 "Wedge Korband"(Type I or II as required for pipe diameter), manufactured by NPC, Inc.,
17 Milford, New Hampshire, or Engineer approved equal. The connectors shall be installed in
18 accordance with the manufacturer's recommendations.

19
20 **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

21 *This section is revised to read:*

22
23 **7-05.3(1) Adjusting Utility Structures to Grade**

24
25 Where shown in the Plans or where directed by the Engineer, utility structures shall be adjusted
26 to grade as staked or as otherwise designated by the Engineer.

27
28 The materials and methods of construction shall conform to the requirements specified in
29 Section 7-05.3 and Standard Plan No. SU-25. The finished structure shall conform to the
30 requirements of the standard plan for the specific structure.

31
32 **7-05.3(3) Connections to Existing Manholes**

33 *The first sentence is revised to read:*

34
35 The Contractor shall inspect the existing manholes in the field to verify invert elevations and the
36 scope of work necessary to make the connection(s) prior to construction.

37
38 **7-05.4 Measurement**

39 *The sixth paragraph is revised to read:*

40
41 Connections to existing structures will be measured per each.

42
43 *This section is supplemented with the following:*

44
45 Reconnecting existing sewer pipes to new manhole structures will be measured per each.

46
47 Manholes with Cast-in-Place Base will be measured per each.

1 Catch Basin Type 2 __ in excess of 10 feet in height will be measured per linear foot for each
2 additional foot of height over 10 feet. Measurement will be the distance from the flow line of the
3 outlet pipe to the top of the manhole ring measured to the nearest foot.

4
5 **7-05.5 Payment**

6 *The first paragraph is supplemented with the following:*

7
8 The unit Contract price for “Manhole_____” shall be full pay for all work required to furnish and
9 install the new manhole to finished grade, including, but not limited to, excavating for, furnishing
10 backfill, compaction of backfill, connection of new pipe(s), channeling, covers, frames, ladders,
11 steps, and handholds, as applicable per Standard Plans.

12
13 The unit Contract price for “Catch Basin_____” shall be full pay for all work required to furnish
14 and install the new catch basin to finished grade, including, but not limited to, excavating for,
15 furnishing backfill, compaction of backfill, connection of new pipe(s), frame, cover, as applicable
16 per Standard Plans.

17
18 *The pay item for “Drop Manhole Connection“ is revised to read:*

19
20 “Drop Manhole Connection, ___-Inch Diam.”, per each.

21
22 *The pay item for “Connection to Drainage Structure” is revised to read:*

23
24 “Connect New Sewer Pipe ___-In. Diam. to Existing Structure”, per each

25
26 *This section is supplemented with the following:*

27
28 “Reconnect Existing Sewer Pipe, ___-In. Diam., to New Structure”, per each.

29
30 The unit Contract price per each shall be full pay for all labor, equipment and materials
31 necessary to reconnect the existing sewer pipe to the new structure as specified in Section 7-
32 05.3.

33
34 "Adjust Existing Catch Basin, Furnish New Frame and Grate", per each

35
36 The unit Contract price per each for “Adjust Existing Catch Basin, Furnish New Frame and
37 Grate” shall be full pay for all costs associated with adjusting the frame and grate to finished
38 grade, including but not limited to, excavating, furnish and place backfill, furnishing and installing
39 the new frame and grate, compacting, surfacing, and restoration.

40
41 "Adjust Existing Manhole, Furnish New Frame and Cover", per each

42
43 The unit Contract price per each for “Adjust Existing Manhole, Furnish New Frame and Cover”
44 shall be full pay for all costs associated with adjusting the frame and cover to finished grade,
45 including but not limited to, excavating, furnish and place backfill, furnishing and installing the
46 new frame and cover, compacting, surfacing, and restoration.

47
48 “Adjust Existing Valve Chamber to Grade”, per each

1 The unit Contract price per each for "Adjust Existing Valve Chamber to Grade" shall be full pay
2 for all costs associated with the adjusting the valve chamber to finished grade, including but not
3 limited to, excavating, furnish and place backfill, compacting, surfacing, and restoration.

4

5 "Manhole ___-In. Diam. Type ___, with Cast-in-Place Base", per each.

6

7 The unit Contract price per each for "Manhole ___-In. Diam. Type ___, with Cast-in-Place Base"
8 shall be full pay for all labor, equipment and materials required to furnish, excavate for, furnish
9 and place backfill, compact, and install to finished grade the new manhole with a cast-in-place
10 base, including, but not limited to, insuring proper support of existing main, channeling,
11 connection of new pipe, covers, frames, ladders, steps, and handholds, as applicable per
12 Standard Plans

13

14 "Catch Basin Type 2 Additional Height, ___ In. Diam.", per linear foot.

15

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END OF SECTION

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7-07 CLEANING EXISTING DRAINAGE STRUCTURES
(March 23, 2010 Tacoma GSP)

7-07.3 Construction Requirements
Item three of paragraph two is revised to read:

- 3. If sediment and water from structures does not meet the conditions described in 1 or 2 above, the Contractor shall collect and dispose of all water used and all debris generated in cleaning operations. No cleaning water or debris shall be flushed downstream beyond the limits of the work.

END OF SECTION

1 **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**
2 **(September 20, 2018 Tacoma GSP)**

3
4 **7-08.3(1)A Trenches**

5 *The tenth paragraph of this section is deleted. All dewatering requirements are found in section*
6 *8-01.3(1)C.*

7
8 **7-08.3(1)C Bedding the Pipe**

9 *This section is supplemented with the following:*

10
11 Pipe bedding for sanitary and storm sewers shall be in accordance with City of Tacoma
12 Standard Plan No. SU-16.

13
14 **7-08.3(2)F Plugs and Connections**

15 *This section is supplemented with the following:*

16
17 Rigid Couplings, manufactured by Romac Industries, Inc., or Engineer approved equal, shall be
18 used at any pipe joint in which bell and spigot or fused joints are not used. Flexible couplings
19 are not permitted, except for side sewer installation.

20
21 **7-08.3(2)G Jointing of Dissimilar Pipe**

22 *This section is revised to read:*

23
24 Dissimilar pipe shall be joined by use of rigid couplings manufactured by Romac Industries, Inc.,
25 or Engineer approved equal, except for side sewer installation.

26
27 **7-08.3(3) Backfilling**

28 *The second paragraph is revised to read:*

29
30 Pipe zone bedding and trench backfill shall be in accordance with City of Tacoma Standard Plan
31 No. SU-16. (Pipe zone backfill shall meet the requirements of Section 9-03.9(3) for Crushed
32 Surfacing Top Course. Backfill above pipe zone and extra excavation area backfill material
33 shall meet the requirements of Section 9-03.12(2), Gravel Backfill for Walls.) Recycled concrete
34 shall not be used for pipe zone bedding, pipe zone backfill, backfill above pipe zone, and extra
35 excavation area backfill.

36
37 *The fourth paragraph is revised to read:*

38
39 Backfill above the pipe zone shall be accomplished in such a manner that the pipe will not be
40 shifted out of position nor damaged by impact or overloading. If pipe is being placed in a new
41 embankment, backfill above the pipe zone shall be placed in accordance with Section 2-
42 03.3(14)C. If pipe is being placed under existing paved areas, or roadways, backfill above the
43 pipe zone shall be placed in horizontal layers no more than 12-inches thick and compacted to
44 95-percent maximum density. If pipe is being placed in non-traffic areas, backfill above the pipe
45 zone shall be placed in horizontal layers no more than 12-inches thick and compacted to 85-
46 percent maximum density. All compaction shall be in accordance with the Compaction Control
47 Test of Section 2-03.3(14)D. Material excavated from the trench shall be used for backfill above
48 the pipe zone, except that organic material, frozen lumps, wood, rocks, or pavement chunks
49 larger than 6-inches in maximum dimension shall not be used. Material determined by the
50 Engineer to be unsuitable for backfill at the time of excavation shall be removed and replaced

1 with imported backfill material meeting the requirements of Section 9-03.12(2). Material
2 determined to be suitable for backfill at the time of excavation shall be stockpiled and used for
3 backfill material. If the stockpiled material becomes unsuitable, the Contractor shall furnish
4 suitable material in an amount equal to that, which became unsuitable, at no expense to the
5 Contracting Agency.

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END OF SECTION

1
2 **7-17 SANITARY SEWERS**
3 **(March 4, 2014 Tacoma GSP)**

4
5 **7-17.1 Description**

6 *This section is supplemented with the following:*

7
8 All references to sanitary sewer shall also mean storm sewers.

9
10 **7-17.2 Materials**

11 *The first paragraph is revised to read:*

12
13 Pipe materials used for storm and sanitary sewers shall be as shown on plans. All references to
14 PVC shall mean Solid Wall PVC Sewer Pipe. Profile Wall PVC will not be permitted.

15
16 *This section is supplemented with the following:*

17
18 Polyvinyl Chloride (PVC) Pressure Pipe (4-inches and over) 9-30.1(5)A

19
20 **7-17.3(2)A General**

21 *The first paragraph is revised to read:*

22
23 Sewers and appurtenances shall be cleaned and tested after backfilling by either exfiltration or
24 low-pressure air method at the option of the Contractor, except where the ground water table is
25 such that the Engineer may require the infiltration test.

26
27 **7-17.3(2)H Television Inspection**

28 *The first sentence is revised to read:*

29
30 The Contracting Agency will video inspect all sanitary and storm sewers prior to paving where
31 paving occurs over sewers, or prior to final acceptance.

32
33 **7-17.4 Measurement**

34 *This section is supplemented with the following:*

35
36 Removal and replacement of unsuitable, contaminated and non-contaminated, backfill material
37 will be determined by the cubic yard in place, based on a neat line measurement per this
38 Section and Section 2-09. Any removal and replacement of unsuitable material outside neat
39 line measurement shall be incidental to the Bid item.

40
41 **Horizontal Limits:** The horizontal limits shall be as defined in Section 2-09.4.

42
43 **Longitudinal Limits:** The longitudinal limits shall be as defined in Section 2-09.4.

44
45 **Lower Limits:** The lower limits shall be the top of the pipe zone as shown on Standard Plan
46 No. SU-16.

47
48 **Upper Limits:** The upper limits shall be the subgrade elevation of the proposed roadway
49 section or pavement patch section.

1 All costs associated with the disposal of material located above the upper limits shall be
2 included in the unit contract price for other items of work, unless a proposal item is included for
3 this specific item of work.

4
5 Pipe zone limits are as defined in Standard Plan SU-16.

6
7 **7-17.5 Payment**

8 *The first paragraph is supplemented with the following:*

9
10 "PVC Storm Sewer Pipe ____ In. Diam.", per linear foot.

11
12 *The second paragraph is revised to read:*

13
14 The unit Contract price per linear foot for sewer pipe of the kind and size specified shall be full
15 pay for the furnishing, hauling, and assembling in place the complete installation, including but
16 not limited to, disposal of material excavated within the pipe zone, furnishing and installing pipe
17 bedding and backfill material within the pipe zone, and all wyes, tees, special fitting, joint
18 materials, and other appurtenances necessary for the completion of the installation to the
19 required line and grade, unless proposal items are included for these specific items of work.

20
21 *The pay item "Removal and Replacement of Unsuitable Material" is revised to read:*

22
23 "Removal and Replacement of Unsuitable Material", per cubic yard.

24
25 The unit Contract price per cubic yard for "Removal and Replacement of Unsuitable Material"
26 shall be full pay for all work required to haul and dispose of the unsuitable material as specified
27 in Section 7-08.3(1)A and the furnishing of suitable backfill material as specified in Section 7-
28 08.3(3).

29
30 For the purpose of providing a common proposal for bidders, the proposal quantity for "Removal
31 and Replacement of Unsuitable Material" is based on removal and replacement of all backfill
32 material.

33
34
35
36 **END OF SECTION**
37

1
2 **7-18 SIDE SEWERS**
3 **(March 4, 2014 Tacoma GSP)**
4

5 **7-18.1 Description**

6 *This section is supplemented with the following:*
7

8 The Contractor shall remove and replace existing side sewers as defined on the Plans and
9 reconnect the existing side sewer. The location of the side sewer at the main is estimated
10 based on a TV inspection of the main and may vary in either direction. The actual location at
11 the point of reconnection is unknown.
12

13 **7-18.3(1) General**

14 *This section is supplemented with the following:*
15

16 The Contractor shall use solid wall PVC pipe meeting the requirements of Section 9-05.12(1) for
17 all side sewers located 10 feet or more from a water service. If the side sewer is located within
18 10 feet of a water service, the Contractor shall use solid wall PVC pressure pipe meeting the
19 requirements of Section 9-30.1(5)A. If the side sewer crosses above a water main, the side
20 sewer shall be encased per the Department of Ecology Criteria for Sewage Works Design
21 (Orange Book) Section C1-9.1.4A. Any encasement of side sewers shall be paid for under
22 force account per Section 1-09.6.
23

24 **7-18.4 Measurement**

25 *This section is supplemented with the following:*
26

27 Measurement for payment shall be by the linear foot of pipe installed, and shall be along the
28 pipe invert, through tees, wyes and other fittings, from the centerline of the main to the
29 centerline of the cleanout.
30

31 **7-18.5 Payment**

32 *The second paragraph is revised to read:*
33

34 The unit Contract price per linear foot for sewer pipe of the various kind and size specified shall
35 be full pay for furnishing, hauling and assembling in place the completed installation including all
36 wyes, tees, special fittings, joint materials, bedding material, and end pipe marker, and any
37 other items necessary for the completion of the installation, unless Proposal items are included
38 for these specific items of Work.
39
40

41 **END OF SECTION**
42
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7-19 SEWER CLEANOUTS
(May 13, 2009 Tacoma GSP)

7-19.3 Construction Requirements

The third sentence of the first paragraph is deleted.

The fourth sentence of the third paragraph is deleted.

7-19.5 Payment

The third paragraph is revised to read:

The unit Contract price for "Sewer Cleanout" shall be full pay for furnishing and placing the wye, pipe, pipe bends, pipe plug, castings, and collar as specified herein and as shown on Standard Plan SU-24.

END OF SECTION

1 **8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**
2 **(April 1, 2018 Tacoma GSP)**

3
4 **8-01.1 Description**

5 *This section is supplemented with the following:*

6
7 The City of Tacoma Stormwater Management Manual is available on the City’s website at
8 www.cityoftacoma.org/stormwatermanual.

9
10 **8-01.3(1)A Submittals**

11 *This section is revised to read:*

12
13 The Contractor shall prepare and implement a project-specific Construction Stormwater
14 Pollution Prevention Plan (SWPPP) in accordance with the City of Tacoma Stormwater
15 Management Manual (SWMM), Volume 2. The SWPPP is a document that describes the
16 potential for pollution problems on a construction site and explains and illustrates the measures
17 to be taken on the construction site to control those problems.

18
19 The Construction SWPPP shall be prepared as a stand-alone document consisting of two
20 sections: Section 1) Construction SWPPP Narrative and Section 2) Temporary Erosion and
21 Sediment Control (TESC) Plans.

22
23 The Contracting Agency has prepared the Construction Stormwater Pollution Prevention Plan
24 Checklist to aid the Contractor in development of the SWPPP. This checklist provides the
25 Contractor with a tool to determine if all the major items are included in the Construction
26 SWPPP and on the TESC Plans and can be found in Volume 2, Chapter 2 of the SWMM.
27 Contractors are encouraged to complete and submit this checklist with the Construction
28 SWPPP.

29
30 The Department of Ecology has prepared a SWPPP template that can be used for projects in
31 the City of Tacoma. The template can be found on Ecology’s website at:
32 <http://www.ecy.wa.gov/programs/wq/stormwater/construction/resourcesguidance.html>. The
33 Contractor developing the SWPPP must ensure that all references are appropriate for the City
34 of Tacoma.

35
36 The SWPPP is considered a “living” document that shall be revised to account for additional
37 erosion control/pollution prevention BMPs as they become necessary and are implemented in
38 the field during project construction. A copy of the most current SWPPP and TESC Plan shall
39 remain on-site at all times and an additional copy shall be forwarded to the Engineer. At the
40 Contractor’s preference, revisions to the SWPPP and TESC Plan may be forwarded to the
41 Engineer rather than submitting a complete document. Revisions to the SWPPP and TESC
42 Plan may be kept on-site in a file along with the original SWPPP document.

43
44 The Contractor shall provide Stormwater Pollution Prevention Plan inspection reports or forms
45 per 8-01.3(1) B to the Project Engineer no later than the end of the next working day following
46 the inspection.

1 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

2 *This section is revised to read:*

3
4 The Contractor shall identify the ESC Lead at the Preconstruction Meeting and the contact
5 information for the ESC Lead shall be added to the Stormwater Pollution Prevention Plan
6 (SWPPP) Report and the Temporary Erosion and Sediment Control (TESC) Plan Sheet. The
7 ESC Lead shall maintain, for the life of the contract, a current Certified Erosion and Sediment
8 Control Lead (CESCL) certificate or maintain a current Certified Professional in Erosion and
9 Sediment Control (CPESC) certificate from a course approved by the Washington State
10 Department of Ecology. The CESCL or CPESC shall be listed on the Emergency Contact List
11 required under Section 1-05.13(1).

12
13 The CESCL or CPESC shall direct implementation of the measures identified in the SWPPP
14 and as shown on the TESC plan. Implementation shall include, but is not limited to the
15 following:

- 16
17 1. Installing and maintaining all temporary erosion and sediment control Best
18 Management Practices (BMPs) included in the SWPPP and as shown on the TESC
19 plan. Damaged or inadequate BMPs shall be corrected as needed to assure
20 continued performance of their intended function in accordance with BMP
21 specifications and Permit requirements.
- 22 2. Performing monitoring as required by the NPDES Construction Stormwater General
23 Permit.
- 24 3. Inspecting all on-site erosion and sediment control BMPs at least once every
25 calendar week and within 24 hours of any discharge from the site. A SWPPP
26 Inspection report or form shall be prepared for each inspection and shall be included
27 in the SWPPP file. A copy of each SWPPP Inspection report or form shall be
28 submitted to the Engineer no later than the end of the next working day following the
29 inspection. The report or form shall include, but not be limited to the following:
 - 30 a. When, where, and how BMPs were installed, maintained, modified, and
31 removed.
 - 32 b. Observations of BMP effectiveness and proper placement.
 - 33 c. Recommendations for improving future BMP performance with upgraded or
34 replacement BMPs when inspections reveal SWPPP inadequacies.
 - 35 d. Approximate amount of precipitation since last inspection and when last
36 inspection was performed.
- 37 4. Updating and maintaining a SWPPP file on site that includes, but is not limited to the
38 following:
 - 39 a. SWPPP Inspection Reports or Forms.
 - 40 b. SWPPP narrative.
 - 41 c. National Pollutant Discharge Elimination System Construction Stormwater
42 General Permit (Notice of Intent).
 - 43 d. All documentation and correspondence related to the NPDES Construction
44 Stormwater General Permit.
 - 45 e. Other applicable permits.

46
47 Upon request, the file shall be provided to the Engineer for review.
48
49

1 **8-01.3(8) Street Cleaning**

2 *The third paragraph is revised to read:*

3
4 Street washing with water shall not be permitted.

5
6 **8-01.3(9)D Inlet Protection**

7 *Replace the third paragraph of this section with the following:*

8
9 When the depth of accumulated sediment and debris reaches approximately 1/3 the height of
10 an internal device or 1/3 the height of the external device (or less when so specified by the
11 manufacturer), or as designated by the Engineer, the sediment and debris shall be removed and
12 disposed of per SWMM BMP C220 or as specified on the Plans or within the SWPPP.

13
14 *The section is supplemented with the following:*

15
16 Only bag-type filters are allowed for use in the public right of way.

17
18 **8-01.3(10) Wattles**

19 *The fifth and sixth sentences are revised to read:*

20
21 On gradually sloped or clay-type soils trenches shall be 3 to 5 inches deep. On loose soils, in
22 high rainfall areas, or on steep slopes, trenches shall be 3 to 5 inches deep, or 1/2 to 2/3 the
23 thickness of the wattle.

24
25 **8-01.4 Measurement**

26 *The third paragraph is revised to read:*

27 Check dams will be measured by the linear foot along the ground line of the completed check
28 dam. No additional measurement will be made for check dams that are required to be
29 rehabilitated or replaced due to wear.

30
31 *This section is supplemented with the following:*

32
33 No specific unit of measurement shall apply to the lump sum item "Stormwater Pollution
34 Prevention Plan (SWPPP)".

35
36 No specific unit of measurement shall apply to the lump sum item "Dewatering Plan".

37
38 No specific unit of measurement shall apply to the lump sum item "NPDES Construction
39 Stormwater General Permit".

40
41 *Add the following new sections:*

42
43 **8-01.4(1) Lump Sum Bid for Project (No Unit Items)**

44
45 When the bid Proposal contains the item "Erosion/Water Pollution Control", there will be no
46 measurement of unit items for Work defined by Section 8-01.4 except as described in Section 8-
47 01.4(2). Also, except as described in Section 8-01.4(2), all of Sections 8-01.4 and 8-01.5 are
48 deleted.

1 **8-01.5 Payment**

2
3 *This section is supplemented with the following:*

4
5 Where removal of erosion control BMPs is directed by the Engineer according to 8-01.3(16) or
6 according to these specification and the plans, removal shall be included in the lump sum or unit
7 cost for these respective BMPs.

8
9 “Erosion Control”, per lump sum. The lump sum contract price for “Erosion Control” shall be full
10 pay for all cost for labor, equipment, and materials to perform all work associated with erosion
11 control. Work shall include, but shall not be limited to, furnishing, purchase and delivery or
12 required materials, installation and maintenance of temporary erosion and sediment control
13 measures, and all costs incurred by the Contractor in performing the Contract Work defined in
14 Section 8-01, except for unit bid items in Section 8-01 when these are included in the bid
15 proposal. It is the Contractor’s responsibility to maintain, repair, and replace any and all erosion
16 control measures as required to maintain compliance with the NPDES Construction Stormwater
17 General Permit and Tacoma Municipal Code 12.08 for the entire duration of the Project.

18
19 “Stormwater Pollution Prevention Plan (SWPPP)”, per lump sum. The lump sum contract price
20 for “Stormwater Pollution Prevention Plan (SWPPP)” shall be full pay for all costs, including but
21 not limited to, preparing, submitting, revising, and resubmitting revisions for the Stormwater
22 Pollution Prevention Plan.

23
24 *Add the following new sections:*

25
26 **8-01.5(1) Lump Sum Bid for Project (No Unit Items)**

27
28 “Erosion/Water Pollution Control”, per lump sum

29
30 The lump sum contract price for “Erosion/Water Pollution Control” shall be full compensation for
31 all costs incurred by the Contractor in performing the Contract Work defined in Section 8-01,
32 except for costs compensated by Bid Proposal items inserted through Contract Provisions as
33 described in Section 8-01.5(2)

34
35 Where removal of erosion control BMPs is directed by the engineer according to 8-01.3(16) or
36 according to these specifications and the plans, removal shall be included in the lump sum or
37 unit cost for these respective BMPs.

38
39 **8-01.5(2) Reinstating Unit Items with Lump Sum Erosion/Water Pollution Control**

40
41 The Contract Provisions may establish the project as lump sum, in accordance with section 8-
42 01.4(1) and also reinstate the measurement of one or more of the items described in section 8-
43 01.4. When that occurs, the corresponding payment provision in Section 8-01.5 is not deleted
44 and the Work under that item will be paid as specified.

45
46 This section is supplemented with the following:

47
48 “Stormwater Pollution Prevention Plan (SWPPP)”, per lump sum

1 The lump sum contract price for “Stormwater Pollution Prevention Plan (SWPPP)” shall be full
2 pay for all costs, including but not limited to, preparing, submitting, revising, and resubmitting
3 revisions for the Stormwater Pollution Prevention Plan.

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END OF SECTION

1
2 **8-02 ROADSIDE RESTORATION**
3 **(May 15, 2023 Tacoma GSP)**

4
5 **8-02.3 Construction Requirements**

6 *This section is supplemented with the following:*

7
8 Soil excavated in connection with this Work shall be included in the measurements and
9 payments for "Roadway Excavation ____ Incl. Haul" in accordance with Section 2-03, Roadway
10 Excavation and Embankment.

11
12 The Contractor shall haul and dispose of all soil material excavated from the Project site in
13 accordance with Section 2-03.

14
15 **8-02.3(5) Roadside Seeding, Lawn and Planting Area Preparation**

16 *This section is supplemented with the following:*

17
18 All grades shall be maintained in the areas to be planted in a true and even condition. The
19 contractor shall be careful not to disturb any of the existing or cut slopes. Where final grades
20 have not been established, the areas shall be finish graded and all surfaces left in an even and
21 compacted condition. The finished grade shall be such that after planting, the grade shall be
22 flush with adjoining surfaces; positive drainage shall also be maintained.

23
24 **8-02.3(5)A Seeding Area Preparation**

25 *Items 3. and 4. of this section are revised to read:*

- 26
27 3. Bring area to a uniform grade and place amended topsoil or amend existing topsoil in
28 accordance with with Standard Plans GSI-01b through GSI-01d. Do not till soil on any
29 slopes at 3(H):1(V) or steeper. Rake to a smooth even grade without low areas that trap
30 water. The finished grade of the soil shall be 1/2 inch below the top of all curbs, junction
31 and valve boxes, walks, driveways and other structures.
- 32
33 4. Compact to provide a reasonably firm but friable seedbed. On slopes at least 20 feet in
34 width from back of walk to construction limits and flatter than 2(H):1(V), create
35 longitudinal depressions at least 2-inch deep by means of tractor track walking; unless
36 otherwise specified or as directed by The Engineer.

37
38 **8-02.3(5)B Lawn Area Preparation**

39 *Item 4. of this section is revised to read:*

- 40
41 4. Amend existing topsoil in place or import and place amended topsoil in accordance with
42 Standard Plans GSI-01b through GSI-01d. Rake to a smooth even grade without low
43 areas that trap water and compact with a 50-pound roller. The finished grade of the soil
44 shall be 1/2 inch below the top of all curbs, junction and valve boxes, walks, driveways
45 and other structures.

1 **8-02.3(5)C Planting Area Preparation**

2 *Items 5. And 6. of this section is revised to read:*

- 3
- 4 5. Amend existing topsoil in place or import and place amended topsoil in accordance with
- 5 Standard Plans GSI-01b through GSI-01d. Do not till or place loose topsoil without
- 6 compaction and stabilization measures on slopes 3H:1V or steeper.
- 7
- 8 6. The finished grade of the mulch or woodchips shall be 1/2 inch below the top of all
- 9 curbs, junction and valve boxes, walks, driveways and other structures.

10

11 **8-02.3(6) Mulch and Amendments**

12 *This section is supplemented with the following:*

13

14 Compost amendment shall be included in Topsoil Type A, B, or C in accordance with Standard

15 Plans GSI-01c and GSI-01d, and compost content is included in the Topsoil quantity.

16

17 Existing Topsoil areas shall be amended in place with Compost in accordance with Standard

18 Plan GSI-01b and as shown per Plans.

19

20 Soil Amendment General Requirements:

- 21
- 22 1) Soil Amendment areas, as described in this specification, shall include an amended topsoil
- 23 layer with a minimum depth of 8 inches
- 24
- 25 2) Planting beds shall be stabilized with bark or wood chip mulch to the depths specified on the
- 26 Plans.
- 27
- 28 3) Sequencing and Scheduling: Do not perform soil preparation work in areas subject to the
- 29 subsequent work of other sections, unless approved otherwise.
- 30
- 31 4) Contractor has the option of amending the soils at the "Pre-Approved Rates" as specified in
- 32 the below Soil Amendment Layer Table, or performing soil amendment at the "Calculated
- 33 Rates" required to meet the performance criteria specified in the Soil Amendment Layer Table.
- 34 Contractor shall perform soil characterization testing and have a qualified professional perform
- 35 the soil amendment calculations as outlined in Section 8-02.3(2)A Roadside Work Plan if
- 36 choosing to amend soils to meet the "Calculated Rates" performance criteria.

37

38 Soil Amendment Cultivation Requirements to amend existing topsoil in place:

39

40

41 Scarification Layer:

42

43 Scarify or till subgrade to depth of 9-inches (as needed to achieve 12-inches of loosened

44 soil after amendment placed). Entire surface should be disturbed by scarification prior to

45 starting soil amendments. Do not scarify within drip line of existing trees to be retained.

46

47

48

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50

1 Soil Amendment Layer:

A. Planting Beds:	B. Seeded Areas:
i. PRE-APPROVED RATE: Place and rototill 3-inches of compost into 5-inches of soil; ii. CALCULATED RATE: Place and rototill calculated amount of compost into depth of soil needed to achieve 8-inches of settled soil at minimum 10% organic content.	i. PRE-APPROVED RATE: Place and rototill 2-inches of compost into 6-inches of soil; ii. CALCULATED RATE: Place and rototill calculated amount of compost into depth of soil needed to achieve 8-inches of settled soil at minimum 5% organic content.
Rake beds to smooth, and remove surface rocks over 2-inch diameter.	Water or roll to compact soil to 85% of maximum.
	Rake to level, and remove surface woody debris and rocks larger than 1- inch diameter.

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8-02.3(6)A Compost

This section is supplemented with the following:

The Contractor shall submit the amount of cubic yards of Compost incorporated into the project to the Engineer, including mulch, amendment and as topsoil content. The Contractor shall submit the quantity of Compost per type and supplier.

8-02.3(6)B Fertilizers

This section is supplemented with the following:

Fertilizer shall be supplied and applied per landscaping supplier recommendation or BMP C 120 per the City of Tacoma Stormwater Management Manual, Volume 3, Chapter 1, Section 1.7.

8-02.3(8)C Pruning, Staking, Guying, and Wrapping

This section is supplemented with the following:

Under no circumstances shall tree or shrub pruning be done prior to inspection and approval of plants by the Engineer. Pruning cuts shall only be made to remove dead, damaged, diseased, or broken branches, and in no case shall remove the leader of the tree. If approved, all cuts shall be made in accordance with the ANSI A300 pruning standards at the point of connection with the parent stem, outside of the branch collar, leaving no stubs.

Pruning cuts shall be made in a manner to favor the earliest possible covering of the wound by callus growth. Cuts that produce large (greater than 1.5”) wounds or weaken the tree will not be acceptable. All pruning shall produce a clean cut without bruising or tearing the bark.

Evergreens shall not be pruned, except to remove injured branches. The use of pole shears and/or hedge shears for pruning deciduous or evergreen trees will not be permitted. All trimmings and other debris left over from the planting operations shall be collected and disposed of off the site.

All evergreen trees and deciduous trees over 15 feet in height shall be guyed with three wires or cables.

All deciduous and evergreen trees shall be staked the same day of planting.

1 **8-02.3(10) Lawn Installation**

2
3 **8-02.3(10)A Dates and Conditions for Lawn Installation**

4 *This section is supplemented with the following:*

5
6 Where no irrigation system is to be installed, hydroseed lawn shall be installed during the
7 following periods only:

- 8
- 9 March 1st – June 30th
- 10 September 1st - October 25

11
12 **8-02.3(10)B Lawn Seeding and Sodding**

13 *This section is supplemented with the following:*

14
15 Hydroseeding will shall be the method for lawn installation unless otherwise shown per Plans or
16 as directed by the Engineer. Lawn seeding and sodding shall be in accordance with BMP C
17 120 per the City of Tacoma Stormwater Management Manual, Volume 3, Chapter 1, Section
18 1.7. All permanent seeding areas shall be seeded with Low-Growing Turf Seed Mix:

Type of Seed	% by Weight
Dwarf tall fescue	45
Dwarf perennial rye	30
Red fescue	20
Colonial bentgrass	5

19
20
21 The rate of application shall be per manufacturer’s recommendation.

22
23 Seeding fertilizer shall be per manufacturer’s recommendation.

24
25 For Sodded Lawns: On sloped areas, the sod strips shall be laid perpendicular to the flow of
26 water.

27
28 **8-02.3(10)C Lawn Establishment**

29 *This section is supplemented with the following:*

30
31 Lawn that is replaced shall be of the same mixture and grade as the surviving lawn.

32
33 **8-02.3(11)B Bark or Woodchip Mulch**

34 *The third paragraph is revised to read:*

35
36 The Contractor shall place a uniform non-compacted depth of 3-4 inches inches of Bark or
37 Woodchip Mulch in accordance with the Plans and as directed by the Engineer. Mulch shall not
38 be applied directly to the base of stems and shall be feathered to plant material, leaving trunks,
39 stems, canes, and root collars with gap of 2 inches minimum free of mulch. Bark or Woodchip
40 Mulch shall be placed flush with the top of junction and valve boxes, curbs, sidewalk and
41 pavement edges.

1 **8-02.3(13) Plant Establishment**

2 *This section is supplemented with the following:*

3
4 The Contractor shall maintain the planting areas and all plants planted within the project limits to
5 ensure the resumption and continued growth of the planted material until expiration of the plant
6 warranty period per Special Provisions Section 8-02.3(14).

7
8 Maintenance shall include, but not be limited to, labor and materials necessary for removal of
9 foreign, dead, or rejected plant material, maintaining a weed-free condition, watering, and the
10 replacement of all unsatisfactory plant material planted under the contract.

11
12 Planting dates for replacement plant material will be approved by the Engineer.

13
14 The Contractor shall meet with the Engineer for the purpose of joint inspection of the project
15 once installation has been completed and thereafter on a periodic "as needed" basis as
16 determined by the Engineer, until the expiration of the plant warranty period per Special
17 Provisions Section 8-02.3(14). Thus, plant establishment shall be included in the Contract price
18 per each for the duration of the warranty and the Contract, whichever is the longer duration.

19
20 All conditions unsatisfactory to the Engineer shall be corrected by the Contractor within a ten-
21 day period immediately following the inspection. Failure to comply with corrective steps as
22 outlined by the Engineer shall constitute justification of the Contracting Agency to take
23 corrective steps and to deduct all costs thereof from any monies due the Contractor.

24
25 The Contractor shall replace all plants stolen or damaged by the acts of others until the physical
26 completion date of the contract.

27
28 **8-02.3(14) Plant Replacement**

29 *This section is supplemented with the following:*

30
31 The Contractor shall provide the Contracting Agency a one (1) year non pro-rated, full labor and
32 materials warranty for all planted material. The warranty shall cause the Contractor to remove
33 and replace all rejected plant material during the warranty period. The warranty period shall
34 begin at the date of physical completion of the contract and end one calendar year from that
35 date. Thus, plant establishment shall be included in the Contract price per each for the duration
36 of the warranty and the Contract, whichever is the longer duration.

37
38 The Contractor shall be responsible for growing or providing enough plants for replacement of
39 all plant material rejected during the warranty period. All rejected plant material shall be
40 replaced at dates approved by the Engineer.

41
42 All replacement plants shall be of the same species and quality as the plants they replace.
43 Plants may vary in size reflecting one season of growth should the Contractor elect to hold plant
44 material under nursery conditions for an additional year to serve as replacement plants.

45
46 Replacement plants will be subject to the original warranty provision as stated above.
47
48
49

1 **8-02.3(16) Roadside Maintenance Under Construction**

2 *This section is supplemented with the following:*

3
4 **Construction Cleanup**

5
6 Where staining, dust or other material has visibly accumulated on the adjoining buildings and
7 sidewalks as a result of the Contractor’s Work, the Contractor shall clean these off as directed
8 by the Engineer. The Contractor shall remove all siltation, spoils, debris and solid waste
9 resulting from the Contractor’s activities along the project right of way and dispose of it in
10 accordance with the Contract. The cost for any cleanup described in Section 8-02 shall be
11 included in the lump sum Contract price for “Roadside Restoration”.

12
13 *Section 8-02.3 is supplemented with the following:*

14
15 **8-02.3(17) Tree Protection**

16
17 The Contractor shall adhere to the requirements in City of Tacoma Standard Plans LS-08
18 through LS-11 and the arborist assessment in Appendix A. Tree protection signs can be found
19 in Appendix 5 of the Urban Forest Manual, which is available for download on the City of
20 Tacoma’s website.

21
22 **8-02.4 Measurement**

23 *The first paragraph is revised to read:*

24
25 Topsoil, mulch, and soil amendments will be measured by the cubic yard in the haul
26 conveyance at the point of delivery when included in the proposal.

27
28 *The third paragraph is revised to read:*

29
30 Compost will be measured by the cubic yard in the haul conveyance at the point of delivery.
31 Note that the quantity of Compost incorporated into the project must be reported and submitted
32 to the Engineer in all cases, and where included in other bid items.

33
34 *The fourth and fifth paragraphs are revised to read:*

35
36 Seeding, fertilizing, cultivation, weed control, and any preparation of lawn or planting areas are
37 included in other bid items such as “PSIPE__” and “Seeded Lawn Installation”.

38
39 *This section is supplemented with the following:*

40
41 Irrigation water used to establish vegetation will be considered included in the cost of plants.

42
43 No specific unit of measurement shall apply to the lump sum item “Tree Protection”.

44
45 No specific unit of measurement shall be applied to the lump sum Bid item “Plant
46 Establishment-1 Year”.

1 **8-02.5 Payment**

2 *The pay item for "PSIPE___" is revised to read:*

3
4 "PSIPE___", per each.

5
6 Payment per each for "PSIPE___" shall be full pay for all materials, labor, tools, equipment and
7 supplies necessary for weed control within planting areas, planting area preparation, root
8 barrier, fine grading, planting, cultivating, watering, and clean-up for the particular items called
9 for in the Plans and Specifications for the duration of the Contract. A one (1) year plant
10 warranty shall be included in the unit contract price. Plant establishment shall be included in the
11 Contract price per each for the duration of the warranty and the Contract, whichever is the
12 longer duration.

13
14 *This section is supplemented with the following:*

15
16 "Topsoil Type A", per cubic yard

17
18 The unit Contract price per cubic yard for "Topsoil Type A" shall be full compensation for
19 producing the topsoil mix, including Compost amendment in accordance with Standard Plan
20 GSI-01d, haul and delivery, placing, grading, and compacting the topsoil in accordance with the
21 Plans and Specifications.

22
23 "Topsoil Type B", per cubic yard

24
25 The unit Contract price per cubic yard for "Topsoil Type B" shall be full compensation for
26 excavating, hauling, and stockpiling the topsoil, and placing, tilling in Compost amendment as
27 required in accordance with Standard Plan GSI-01c, fine grading and compacting the topsoil in
28 accordance with the Plans and Specifications.

29
30 "Topsoil Type C", per cubic yard

31
32 The unit Contract price per cubic yard for "Topsoil Type C" shall be full compensation for
33 excavating, hauling, delivering, and stockpiling the topsoil, and placing, tilling in Compost
34 amendment as required in accordance with Standard Plan GSI-01c, fine grading and
35 compacting the topsoil in accordance with the Plans and Specifications.

36
37 The unit contract price per cubic yard for "___ Compost" shall be full pay for furnishing and
38 spreading the compost onto the existing topsoil.

39
40 "Fine Compost", per cubic yard.

41
42 "Medium Compost", per cubic yard.

43
44 "Coarse Compost", per cubic yard.

45
46 "Soil Amendment", per cubic yard

47
48 The unit contract price per cubic yard for "Soil Amendment" shall be full pay for all labor,
49 material and equipment necessary to complete the Work as specified, which includes scarifying
50 subgrade (where applicable), fine grading, furnishing, hauling, placing, spreading, processing,

1 cultivating, and incorporating the soil amendment into the existing soil in accordance with
2 Standard Plan GSI-01b.

3
4 Any sample collection, testing, or calculations required herein as part of "Soil Amendment" shall
5 be included in the applicable soil amendment unit cost and shall not be measured for payment.

6
7 "Wood Chip Mulch", per cubic yard

8
9 The unit Contract price per cubic yard for "Wood Chip Mulch" shall be full pay for all labor,
10 materials, tools, and equipment necessary to complete the Work as specified, which includes
11 hauling, spreading the mulch onto the existing soil.

12
13 "Tree Protection", per lump sum.

14
15 The lump sum contract price for "Tree Protection" shall be full pay for all labor, equipment, and
16 materials required to protect existing trees within the general limits of the project or as directed
17 by the Engineer.

18
19 "Roadside Restoration", lump sum.

20
21 The lump sum payment for "Roadside Restoration" shall be full payment for all costs incurred to
22 carry out the requirements of Section 8-02 and any Roadside Restoration items not specifically
23 included in other bid items, including but not limited to Construction Cleanup, grass sod and
24 seed, watering, planting area preparation, soil amendment, grading, cultivating, and gravel
25 replacement.

26
27 **END OF SECTION**
28
29
30

1 **8-03 IRRIGATION SYSTEM**
2 **(April 1, 2018 Tacoma GSP)**

3
4 **8-03.3 Construction Requirements**

5 *The third paragraph is supplemented with the following:*

6
7 All electrical work from the electrical source to the controller junction box must be completed by
8 a licensed electrical contractor

9
10 **8-03.3(5) Installation**

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

12
13 Final position of turf heads shall be level or ½ inch below finished grade measured from the top
14 of the sprinkler.

15
16 *The fourth paragraph is revised to read:*

17
18 Final position of valve boxes, capped sleeves, and quick coupler valves shall be level with the
19 finished grade or mulch.

20
21 *This section is supplemented with the following:*

22
23 The Contractor shall advise the Engineer at least 24 hours before pressure tests are to be
24 conducted.

25
26 A zone diagram shall be posted in the controller to facilitate the selection of the valves to be
27 operated.

28
29
30
31
32

END OF SECTION

1
2 **8-04 CURBS, GUTTERS, AND SPILLWAYS**
3 **(April 1, 2018 Tacoma GSP)**

4
5 **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

6 *The first paragraph is revised to read:*

7
8 Cement concrete curb, curb and gutters, gutters, and spillways shall be constructed with air
9 entrained concrete Class 3000 conforming to the requirements of Section 6-02.

10
11 *Section 8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways is supplemented with the*
12 *following:*

13
14 **8-04.3(1)C Integral Cement Concrete Curb**

15
16 When integral curb is being constructed with the pavement, fresh concrete for the integral curb
17 shall be placed at such time as will enable the top section of the curb to be consolidated,
18 finished, and bonded to the pavement slab while the concrete is plastic.

19
20 Where curb is not being placed integral with the pavement slab, reinforcing steel dowels shall
21 be placed in the base section for the curb in accordance with the standard drawing.

22
23 *Section 8-04.3 Construction Requirements is supplemented with the following:*

24
25 **8-04.3(6) Cold Weather Work**

26
27 The following additional requirements for placing concrete shall be in effect from November 1 to
28 April 1:

- 29
30
 - The Engineer shall be notified at least 24 hours prior to placement of concrete.
 - All concrete placement shall be completed no later than 2:00 p.m. each day.
 - Where forms have been placed and the subgrade has been subjected to frost, no
33 concrete shall be placed until the ground is completely thawed. At that time, the forms
34 shall be adjusted and subgrade repaired as determined by the Engineer.

35
36 **8-04.5 Payment**

37 *This section is supplemented with the following:*

38
39 "Integral Cement Conc. Traffic Curb", per linear foot

40 "Extruded Curb Type _____", per linear foot.

41
42
43 **END OF SECTION**
44
45
46

1
2 **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**
3 **(April 1, 2018 Tacoma GSP)**
4

5 **8-06.3 Construction Requirements**

6 *The first paragraph is revised to read:*
7

8 Cement concrete driveway approaches shall be constructed with air entrained concrete Class
9 3000 conforming to the requirements of Section 6-02 or Portland Cement Concrete Pavement
10 conforming to the requirements of Section 5-05.

11
12 *This section is supplemented with the following sub-section:*
13

14 **8-06.3(1) Cold Weather Work**
15

16 The following additional requirements for placing concrete shall be in effect from November 1 to
17 April 1:
18

- 19 • The Engineer shall be notified at least 24 hours prior to placement of concrete.
- 20 • All concrete placement shall be completed no later than 2:00 p.m. each day.
- 21 • Where forms have been placed and the subgrade has been subjected to frost, no
22 concrete shall be placed until the ground is completely thawed. At that time, the forms
23 shall be adjusted and subgrade repaired as determined by the Engineer.
24

25 **8-06.5 Payment**

26 *The third paragraph is revised to read:*
27

28 Excavation required for the construction of the driveway entrance shall be paid for under the unit
29 Contract price for "Roadway Excavation, Incl. Haul" when included in the Proposal. Otherwise,
30 the Contractor shall include all costs associated with excavating, including haul and disposal,
31 regardless of the depth in the unit Contract price for "Cement Conc. Driveway Entrance
32 Type__".
33
34

35 **END OF SECTION**
36
37

1
2 **8-13 MONUMENT CASES**
3 **(March 17, 2003 Tacoma GSP)**
4

5 *This section is revised to read:*
6

7 **8-13 MONUMENTS**
8

9 **8-13.1 Description**
10

11 This Work shall consist of constructing monuments in accordance with the Standard Plan and
12 these Specifications, in conformity with the lines and locations shown in the Plans or as staked
13 by the Engineer.
14

15 **8-13.2 Materials**
16

17 Concrete shall be Class 3000 in accordance with the requirements of Section 6-02. 'Ready Mix'
18 bag concrete shall not be used.
19

20 Bronze markers will be supplied by the Contracting Agency on City funded projects.
21

22 **8-13.3 Construction Requirements**
23

24 The Contractor shall construct the poured monument in accordance with the City of Tacoma
25 Standard Plan SU-01.
26

27 **8-13.4 Measurement**
28

29 Measurement of the poured monument will be per each.
30

31 **8-13.5 Payment**
32

33 Payment will be made in accordance with Section 1-04.1.
34

35 "Poured Monument", per each.
36

37 The unit Contract price per each for "Poured Monument" shall be full pay for all labor,
38 equipment, and materials required to furnish and install the monument, including the removal of
39 existing monuments and necessary pavement removal to accommodate the installation in
40 accordance with the standard plan and specifications.
41

42
43 **END OF SECTION**
44
45

1
2 **8-14 CEMENT CONCRETE SIDEWALKS**
3 **(March 23, 2010 Tacoma GSP)**

4
5 **8-14.3 Construction Requirements**

6
7 **8-14.3(3) Placing and Finishing Concrete**

8 *The fourth paragraph is revised to read:*

9
10 Curb ramps shall be of the type specified in the Plans. The detectable warning pattern shall
11 have the truncated dome shape shown in the Standard Plans.

12
13 **8-14.3(4) Curing**

14 *The second sentence is revised to read:*

15
16 Curing shall be in accordance with Section 5-05.3(13).

17
18 *Section 8-14 is supplemented with the following:*

19
20 **8-14.3(20) Cold Weather Work**

21
22 The following additional requirements for placing concrete shall be in effect from November 1 to
23 April 1:

- 24
- 25 • The Engineer shall be notified at least 24 hours prior to placement of concrete.
 - 26 • All concrete placement shall be completed no later than 2:00 p.m. each day.
 - 27 • Where forms have been placed and the subgrade has been subjected to frost, no
28 concrete shall be placed until the ground is completely thawed. At that time, the forms
29 shall be adjusted and subgrade repaired as determined by the Engineer.
- 30

31 **8-14.3(21) Thickened Edge for Sidewalk**

32
33 Thickened edge shall be constructed in accordance with the standard plan.

34
35 **8-14.5 Payment**

36 *The pay item "Cement Conc. Sidewalk" is supplemented with the following:*

37
38 All additional costs related to the construction of thickened edges shall be included in the unit
39 contract cost for "Cement Conc. Sidewalk".

40
41 *The sixth paragraph is revised to read:*

42
43 Excavation required for the construction of the sidewalk shall be paid for under the unit contract
44 price for "Roadway Excavation, Incl. Haul" when included in the proposal. Otherwise, the
45 Contractor shall include all costs associated with excavating, including haul and disposal,
46 regardless of the depth in the unit contract price for "Cement Conc. Sidewalk" and/or "Cement
47 Conc. Curb Ramp Type ___".

48
49
50 **END OF SECTION**

1
2 **8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, AND ELECTRICAL**
3 **(August 14, 2019 GSP)**

4
5 **8-20.1(3) Permitting and Inspections**

6 *The third paragraph is revised to read:*

7
8 All new services require a Tacoma Public Utilities Permit and inspection by Tacoma Power. All
9 work on the load side of the service will be inspected by the Signal and Streetlight Shop
10 Inspector.

11
12 **8-20.2 Materials**

13 *This section is supplemented with the following:*

14
15 The Contractor shall warranty all electrical and mechanical equipment described in this section
16 for satisfactory in service operation for one year following project acceptance. Warranty shall
17 include troubleshooting, labor, materials and all other costs to bring the equipment to a
18 satisfactory level of service. Normal maintenance is not included in the warranty.

19
20 **8-20.2(1) Equipment List and Drawings**

21 *This section is revised to read:*

22
23 Within 20 days following execution of the Contract, the Contractor shall submit to
24 the Engineer a completed "Request for Approval of Material" that describes the material
25 proposed for use to fulfill the Plans and Specifications.

26
27 The Contractor shall submit Type 2 Working Drawings consisting of supplemental data, sample
28 articles, or both, of the material proposed for use. Supplemental
29 data includes such items as catalog cuts, product Specifications, shop drawings, wiring
30 diagrams, etc.

31
32 The Contractor shall submit Type 2 Working Drawings consisting of the following information for
33 each different type of luminaire required on the Contract:

- 34
- 35 1. Isocandela diagrams showing vertical light distribution, vertical control limits, and
 - 36 lateral light distribution classification.
 - 37 2. Details showing the lamp socket positions with respect to lamp and refractor for each
 - 38 light distribution type. This requires that the Contracting Agency know what the light
 - 39 pattern available are and the light distribution.
- 40

41 Additional submittals for proposed alternate LED Roadway Luminaires shall be in conformance
42 with section 9-29.10.

43
44 The Contractor shall submit for approval Type 3E Working Drawings in accordance with Section
45 1-05.3 for each type of light standard and each type of signal standard called for on this project.

46
47 The Engineer's acceptance of any submitted documentation shall in no way relieve the
48 Contractor from compliance with the safety and performance requirements as specified herein.

49
50 Submittals required shall include but not be limited to the following:

- 1
- 2 1. A Type 2 Working Drawing consisting of a material staging plan, should the
- 3 Contractor propose Contracting Agency-owned property for staging areas.
- 4 2. A Type 2 Working Drawing consisting of a cable vault installation plan showing the
- 5 exact proposed installation location by Roadway station, offset and the scheduled
- 6 sequence for each cable vault installation.
- 7 3. A Type 2E Working Drawing consisting of a pit plan, for each boring pit, depicting the
- 8 protection of traffic and pedestrians, pit dimensions, shoring, bracing, struts, walers,
- 9 sheet piles, conduit skids, and means of attachment, casing type, and casing size.
- 10 4. A Type 2E Working Drawing consisting of a boring plan depicting the boring system
- 11 and entire support system.
- 12

13 **8-20.3 Construction Requirements**

14 **8-20.3(1) General**

15 *This section is supplemented with the following:*

16

17

18 The Contractor shall call 24 hours prior for inspection before covering any underground conduit,

19 prior to installing any detection loops, or placing concrete for foundations. For inspections,

20 notify Traffic Signal/Streetlighting at (253) 591-5287.

21

22 Work shall be sequenced such that after the new signal is placed in operation, the Contractor

23 shall remove any equipment not required for the operation of the new signal. The Contractor

24 shall remove the old vehicle and pedestrian signal heads immediately after the new system is

25 operational.

26

27 For new signals, the contractor shall provide a Portable Message Change Sign in each direction

28 and operate the PMCS for one week before, and one week after activating the new signal. This

29 work shall be paid for in accordance with Section 1-10.

30

31 Uniformed police officers shall be provided by the Contractor to direct traffic at any time the

32 signal is not in normal operation. This work shall be paid for in accordance with Section 1-10.

33

34 The following existing and temporary equipment shall be deconstructed/removed by the

35 Contractor and delivered to the City of Tacoma Signal/Streetlight Shop located at 3401A South

36 Orchard Street. Care shall be exercised in removing and salvaging the equipment. Any

37 equipment damaged during removal, hauling, and stockpiling shall be repaired or replaced by

38 the Contractor at no expense to the City.

- 39 • All signal heads and mounting hardware
- 40 • Flashing beacons, and flasher control panel
- 41 • Steel poles, mast arms, and hardware
- 42 • Aluminum poles, mast arms, and hardware
- 43 • Controller cabinets and all internal hardware and wiring
- 44 • Vehicle detection systems, including video, microwave, and infrared systems, and
- 45 associated hardware
- 46 • All Opticom equipment or other preemption and priority equipment.
- 47 • LED luminaries, LED retrofit kits, and LED lamps
- 48 • Ornamental/Decorative fixtures and poles/posts
- 49 • Pedestrian signals, poles, and pushbuttons.
- 50 • Signs, brackets, and hardware

- Locking junction box security lids, security bolts, and all other wire theft deterrent security hardware

All other equipment shall be removed of and disposed of by the Contractor, including but not limited to the following:

- Wood poles
- All wiring outside of the controller cabinet
- Loops
- Non-LED cobra-head fixtures

8-20.3(4) Foundations

This section is supplemented with the following:

Breakaway Base Connection brackets for pedestrian pushbutton poles (Type PPB) shall be installed with the flanges parallel to the traveled way, as shown on WSDOT standard plan J-20.15-03.

Anchor bolts for streetlight standards and for strain poles shall extend a minimum of two threads and a maximum of six threads above the top heavy-hex-nut. A minimum of three threads shall remain between bottom of the leveling hex-nut and the top of the foundation.

Foundations shall be excavated using an auger and poured against undisturbed material unless otherwise approved by the Engineer. Vacuum excavation should be used where there is a possibility of conflict with utilities or other facilities.

Forming the foundation with galvanized culvert pipe or similar forming methods will only be allowed when soil conditions or other factors make this method of construction necessary and is approved by the Engineer. Biodegradable forming tubes shall be fully removed from the cured concrete prior to backfilling. When using culvert or tubes, the following backfill requirements will apply. The area between the form and undisturbed material shall be filled with CDF. For lightly loaded installations and only with the approval of the Engineer, Crushed Surfacing Top Course meeting the requirements of Section 9-03.9(3) may be used. Placement shall be in accordance with Section 2-09.3(1)E and shall be backfilled and compacted in the presence of the Engineer.

8-20.3(5) Conduit

8-20.3(5)A General

This section is supplemented with the following:

As soon as the mandrel has been pulled through, both ends of the conduit shall be sealed in an approved manner. Location wire, in conformance with 9-29, shall be installed in all empty conduits. At least three (3) feet of the location wire shall be neatly coiled and secured to the conduit in the same manner as is shown in Washington State Department of Transportation Standard Plan J-28.70-01, Details A and B.

8-20.3(5)B Conduit Type

This section is supplemented with the following:

Conduit under driveways and other vehicular access ways shall be Schedule 80 high-density polyethylene (HDPE), Schedule 80 PVC, or rigid metal conduit (RMC)

1
2 Conduit installed in a joint trench, with power, and that is installed a minimum of 36-inches from
3 finished grade may utilize Schedule 40 PVC in lieu of Schedule 80 PVC. This allowance shall
4 not be construed to permit the use of dissimilar materials in a single run.

5
6 Pole riser conduit material types shall be in accordance with applicable City of Tacoma standard
7 plans.

8
9 **8-20.3(5)D Conduit Placement**

10 *This Section is supplemented with the following:*

11
12 Conduit terminating in pole foundations shall extend to 3 inches below the handhole.

13
14 Conduit terminating in controller foundations shall terminate 1 inch above the foundation.

15
16 **8-20.3(5)E1 Open Trenching**

17 *Subsection 5 is revised to read:*

- 18
19 5. Trenches located within the paved roadway shall be backfilled with 3 inches of sand over
20 the conduit, followed by material meeting the requirements of Section 9-03.12(3).
21 Compaction shall be in conformance with Section 2-09.3(1)E. All street cuts shall be
22 repaired in accordance with the standard plans.

23
24 *This section is supplemented with the following new Subsections:*

- 25
26 7. Where multiple conduit are installed in the same trench, the trench shall be of sufficient
27 width to accommodate all conduit, with a minimum 3-inch separation between each
28 conduit, and a minimum clearance of 1-inch on the sides of the trench. When conduit is
29 laid horizontal to one another, the conduit shall be laid at the same elevation, parallel
30 with one another. When conduit is laid vertically in the same trench, conduit spacers
31 shall be used to maintain the 3-inch separation. Spacers shall be installed in
32 accordance with the manufacturer's recommendations for conduit of that size and type.
33 Additional spacers shall be required where the supported conduit is sagging more than
34 20% of the nominal diameter of the conduit.
35 8. In all conduit trenches, metallic, detectible, utility warning tape shall be placed at twelve
36 (12) inches below final grade.

37
38 **8-20.3(6) Junction Boxes, Cable Vaults, and Pull boxes**

39 *This section is supplemented with the following:*

40
41 Unless otherwise specified in the plans, or as otherwise directed by the engineer, all junction
42 boxes exposed to vehicular traffic shall be Heavy-Duty. Field adjustment of junction boxes,
43 which cause junction boxes to be installed within an intersection radius and within four feet of
44 the curb face may be required to be Heavy-Duty. Final placement and type of all junction boxes
45 within an intersection shall be as directed by the Engineer.

46
47 Adjacent junction boxes shall be separated by a minimum of three-inches.

48
49 Concrete meeting the requirements of 6-02.3(2)B shall be placed surrounding all junction boxes
50 except as otherwise provided for below. Concrete shall be flush with the top of the junction box

1 and the adjacent improvements. Concrete shall be cast in place. Junction boxes shall be
2 secured with the concrete border as follows:

- 3
- 4 1. When the junction box is located within a concrete or asphalt section and is located a
5 minimum of 12-inches from the edge of the section, a concrete border will not be
6 required.
- 7 2. Where junction boxes are located within 12-inches from the edge of the concrete or
8 asphalt section, the junction box shall be secured on all sides with a minimum 12-inch wide,
9 6-inch deep concrete section. Concrete shall be finished in the same manner as the
10 adjacent concrete where applicable.
- 11 3. Where junction boxes are located within a planter strip, a landscaped area, or other non-
12 hardened surface, the junction box shall be bordered on all sides with a minimum 6-inch
13 wide, 12-inch deep concrete section flush with the top of the junction box.

14
15 **8-20.3(7) Messenger Cable, Fittings**

16 *The second paragraph of this section is deleted.*

17
18 *This section is supplemented with the following:*

19
20 Cable ties shall be used to neatly secure the signal cable to the span wire at 10-inch centers
21 and shall be tightened at top. Excess tie material shall be completely cut off. The signal control
22 cable shall be below the span wire and shall be straight with no twisting or spiraling.

23
24 A minimum 5% sag shall be provided in the span wire when fully loaded with all vehicular signal
25 heads, unless otherwise directed by the Engineer.

26
27 **8-20.3(8) Wiring**

28 *The third paragraph is revised to read:*

29
30 All splices in underground illumination circuits, induction loop circuits, and magnetometer
31 circuits shall be installed at junction boxes. The only splice allowed in an induction loop circuit
32 shall be the shielded cable to loop wire splice. The only splice allowed in a magnetometer
33 circuit shall be the probe lead-in cable to the magnetometer cable splice.

34
35 Induction loop splices and magnetometer splices shall be heat shrink type with moisture
36 blocking material, sized for the conductors. Magnetometer and induction loop splices shall be
37 soldered. The end of the sheathing shall be sealed with a heat shrink insulator.

38
39 *The fourth paragraph is revised to read:*

40
41 Signal wiring shall be in conformance with the following:

- 42
- 43 1. All termination for traffic signal control systems shall be in accordance with City of
44 Tacoma Standard Plan TS-15.
- 45 2. All signal wiring shall be 5-conductor or 2-conductor 14 gauge stranded copper wire
46 unless otherwise shown in the plans.
- 47 3. For 5-section and bimodal heads, 2-5c-14 gauge conductors shall be utilized.
- 48 4. 5c wire shall not be split between high voltage and low voltage. Where a pedestrian
49 head and a pedestrian push button share a common pole, a separate 2c shall be
50 pulled in for the push button.

- 1 5. A single 5c may be split between two pedestrian heads on a common pole with a
2 jumper across the neutral.
- 3 6. Opticom and detection wiring shall be per manufacturer's recommendations.

4
5 All wiring entering the cabinet shall be gathered across the conduits to the right front of the
6 cabinet, neatly tied, and circle the base of the cabinet counterclockwise as further described
7 below:

- 8
9 1. Communication cables shall circle the base of the cabinet, counterclockwise from
10 front right, one full circle, and around to the back of the right panel. Cables shall
11 follow up the back of the right panel and terminate on the terminal strip identified by
12 the Engineer. Unless otherwise directed by the Engineer, cable outer jacket
13 sheathing shall be removed from a point two (2) inches below the terminal strip.
14 Cables shall be uniform in length, with sufficient slack to reach any terminal on the
15 terminal strip. Individual wire slack shall be neatly looped back and tied. A
16 bolt/flanged nut alligator jaw shield bond connector shall be utilized.
- 17 2. Power service conductors shall circle the base of the cabinet, counterclockwise from
18 front right, one full circle, and back around to the front right of the base.
- 19 3. Detection cables shall circle the base of the cabinet, counterclockwise from front
20 right to the back of the left panel. Cables shall follow up the back of the left panel
21 and terminate as directed in the field.
- 22 4. Signal vehicle and pedestrian head shall circle the base of the cabinet,
23 counterclockwise from front right, to back left. Cable outer jacket sheathing shall be
24 removed from the point that the conductor reaches the back left of the cabinet to the
25 ends of the conductors. All vehicle and pedestrian conductors in the cabinets shall
26 be uniform in length, with sufficient slack to reach any terminal on the load bay.
27 Individual wire slack shall be neatly looped back and tied.
- 28 5. Push button conductors shall circle the base of the cabinet, counterclockwise from
29 front right, to front left. Cable outer jacket sheathing shall be removed from the point
30 that the conductor reaches the front left of the cabinet to the ends of the conductors.
31 All push button conductors in the cabinets shall be uniform in length, with sufficient
32 slack to reach any terminal on the terminal strip. Individual wire slack shall be neatly
33 looped back and tied.

34 35 **8-20.3(10) Service, Transformer, and Intelligent Transportation System (ITS) Cabinets**

36 *The second, third, and fifth paragraphs are deleted.*

37 38 **8-20.3(14) Signal Systems**

39 40 **8-20.3(14)A Signal Controllers**

41 *This section is revised to read:*

42
43 The fully wired control cabinet, the controller, the MMU, and detection hardware for the cabinet
44 shall be delivered to the City of Tacoma Traffic Signal Shop for configuration, programming,
45 testing, and certification prior to installation. At the Contractor's request, the City will off load the
46 equipment. The Contractor shall notify the City 24 hours in advance of the equipment delivery.

47
48 A minimum of two weeks shall be required for the City to configure and test the cabinet and
49 controller for each intersection. If multiple cabinets and controllers are delivered, the Contractor

1 shall identify the sequence for configuration and allow one additional week for each additional
2 cabinet and controller delivered.

3
4 The Contractor shall be responsible for transporting the controller cabinet from the
5 Signal/Streetlight Shop site to the jobsite, and for installation of the cabinet and all field wiring.
6 Field wiring shall be performed in accordance with 8-20.3(8) and as directed by City of Tacoma
7 Signal and Streetlight personnel in the field.

8
9 **8-20.3(14)B Signal Heads**

10 *This section is supplemented with the following:*

11
12 For span wire installation, the red indications shall be leveled to within 1 inch for each direction
13 as approved by the City. The height to the bottom of the lowest head shall be 17 feet, plus or
14 minus 3 inches. Height to the bottom of the lowest four-section or five-section head shall be a
15 minimum of 16 feet-3 inches, plus or minus 3 inches.

16
17 For span wire installation, the signal stem (drop pipe) shall be 1 to 3 feet long unless otherwise
18 approved by the Engineer.

19
20 *Section 8-20.3(14) is supplemented with the following new section:*

21 **8-20.3(14)F Thermal, Microwave, and LED Optical Vehicle Detection**

22
23 A representative from the City of Tacoma Signal and Streetlight operations shop shall be on site
24 during all work within the signal cabinet. The Contractor shall notify the Engineer two working
25 days in advance of work within the cabinet.

26
27 The Contractor shall install and test the detection system in accordance with the manufacturer's
28 recommendations and these special provisions. Detection units shall be mounted and all
29 cabling shall be in accordance with the manufacture's recommendations. The installation shall
30 include all field equipment as well as all equipment required in the controller cabinet.

31
32 Detection unit locations as shown on the plans are approximate. Detection units shall be
33 mounted at a sufficient height to prevent occlusion from cross traffic. Detection units shall be
34 field adjusted as directed by the Engineer and equipment manufacturer for maximum coverage.
35 A factory-certified representative of the equipment manufacturer shall inspect and provide a
36 written verification that the installation has been performed in accordance with the
37 manufacturers requirements.

38
39 The factory-certified representative of the equipment manufacturer shall supervise all testing of
40 the equipment and shall provide written documentation showing acceptance of the testing and
41 verification that the system is a complete, fully functional system.

42
43 All equipment shall be warranted against manufacturing defects in materials and workmanship
44 for a period of 3 years from the date of signal turn-on.

45
46 **8-20.3(17)B "As Built" Plans**

47 *This section is supplemented with the following:*

48
49 These drawings shall show the routing of all underground conduits. The locations of the conduit
50 shall be dimensioned with a precision and accuracy of 1 foot.

1
2 **8-20.4 Measurement**

3 *This section is revised to read:*

- 4
5 "Traffic Signal System, Complete", per lump sum.
6 "ITS System, Complete", per lump sum.
7

8 **8-20.5 Payment**

9 *This section is supplemented with the following:*

10
11 The lump sum price for "Traffic Signal System, Complete" shall be full pay for furnishing all
12 labor, equipment, materials and supplies necessary to complete the work as specified. All items
13 and labor necessary to supply, install, and test the system including, but not limited to, conduit,
14 junction boxes, service circuit breaker and connections, battery backup system,
15 signal/service/battery backup system foundation(s), vehicular and pedestrian signal heads,
16 pedestrian pushbuttons, emergency vehicle preemption, temporary and/or permanent vehicle
17 detection system(s), connections with existing conduit and junction boxes, mast arm mounted
18 traffic signs, restoring facilities destroyed or damaged during construction, removing and
19 salvaging existing signal equipment, the installation of a temporary signal system as needed,
20 relocation of temporary signal equipment (vehicle heads, pre-emption, pedestrian heads,
21 pedestrian push buttons, video detection) to accommodate construction phasing throughout the
22 project, installation of non-slip MMA coating on new or existing lids located within accessible
23 surfaces, and all other components necessary to make a complete traffic signal system shall be
24 included within the lump sum measurement. The lump sum bid price shall include all costs
25 associated with the construction of the cement concrete pad and pedestal for the controller and
26 service cabinets as well as for the cement concrete pads around signal poles. All costs for
27 installing signing on signal mast arms or temporary signal installations shall be incidental to the
28 bid item(s) in this section and no additional compensation will be made. Luminaires and
29 luminaire arms positioned on signal poles will be considered a part of the traffic signal system
30 lump sum measurement. Removal of an existing signal system or existing signal components
31 shall be included within the lump sum measurement. After construction is complete, it is
32 Contractor's responsibility to adjust, relocate, and reposition all traffic signal heads to their final
33 position as shown on the Contract Documents, and shall be considered incidental to the lump
34 sum measurement. Trenches shall be backfilled and HMA paved at the end of shift for opening
35 road. Incidental to lump sum signal upgrade.
36

37 The lump sum price for "ITS System, Complete" shall be full pay for furnishing all labor,
38 equipment, materials and supplies necessary to complete the work as specified. The lump sum
39 price shall include all costs associated with connecting the ITS system to the signal cabinet and
40 for making modifications to the existing systems as necessary. All items and labor necessary to
41 supply, install, and test the conduit, single-mode fiber optic cable, junction boxes, connections
42 with signal controllers, connections with existing conduit, junction boxes and fiber optic vaults,
43 connections with existing interconnect systems, pull rope, plugs, restoring facilities destroyed or
44 damaged during construction, salvaging existing materials, installation of non-slip MMA coating
45 on new or existing lids located within accessible surfaces, and all other components necessary
46 to make a complete interconnect communication system as well as a system ready for the
47 future installation of fiber optic cable shall be included within the lump sum measurement.
48 Interconnect cable installed in existing conduit will be included in the lump sum measurement.
49 Trenches shall be backfilled and HMA paved at the end of shift for opening road. Incidental to
50 lump sum ITS upgrade.

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END OF SECTION

1 **8-22 PAVEMENT MARKING**
2 **(April 1, 2018 Tacoma GSP)**

3
4 **8-22.2 Materials**

5 *This section is supplemented with the following:*

6
7 All legends and arrows including “Plastic Arrow”, “Plastic Sharrow Symbol”, and “Plastic Letter”
8 markings shall be a Preformed retro-reflective thermoplastic pavement marking material
9 incorporating a pre-applied bead coating that can be adhered to asphalt, concrete and Portland
10 Cement Concrete pavements by means of heat fusion. All “Plastic Chevron”, “Plastic Crosswalk
11 Line”, and “Plastic Stop Line” shall be hot applied thermoplastic. The applied markings shall be
12 very durable, oil and grease impervious, and provide immediate and continuing retro-reflectivity
13 meeting the requirements of Section 9-34.3(2).

14
15 “Green Durable Product” materials shall meet the requirements of section 9-34.3(4) for MMA.

16
17 Materials used for curb paint shall be the same as for pavement marking paint per Section 9-
18 34.2.

19
20 **8-22.3 Construction Requirements**

21
22 **8-22.3(3)E Installation**

23 *This section is supplemented with the following for applying Type B material:*

24
25 **Effective Performance Life:** When properly applied, in accordance with manufacturer’s
26 instructions, the preformed marking materials shall be neat and durable. The markings shall
27 remain skid resistant and show no lifting, shrinkage, tearing, roll back, or other signs of poor
28 adhesion.

29
30 **Packaging:** The flexible preformed marking material, for use as transverse or bike symbols as
31 well as legends, shall be available in flat form material up to a maximum of 2 foot width by 4 foot
32 length. The material shall be packed in suitable cartons clearly labeled for ease of identifying
33 the contents. Packaging shall not use plastic liners within to separate material from itself.
34 Product packaging shall identify part number and mil thickness.

35
36 **Material Replacement Provisions:** Any properly applied preformed marking materials that
37 shall smear or soften independent of pavement movement or condition within a period of one
38 year from date of application shall be replaced by the supplier.

39
40 **Installation:** The preformed marking materials shall be applied in accordance with the
41 manufacturer’s recommendations on clean and dry surfaces. New Portland concrete cement
42 surfaces must be sandblasted to entirely remove curing compound. Marking configuration shall
43 be in accordance with the “Manual on Uniform Traffic Control Devices,” where applicable.

44
45 **New Surfaces:** Preformed marking materials specified for newly paved asphalt road surfaces
46 shall be capable of being applied as the original permanent marking on the day the surface is
47 paved.

48
49 **Fusion:** The preformed marking materials shall be fusible to the pavement by means of a
50 propane torch recommended by the manufacturer.

1
2 **Technical Services:** The supplier shall provide technical services as may be required.
3

4 **8-22.3(4) Tolerances for Lines**

5 *The allowable tolerance for "Length of Line" is revised to read:*
6

7 **Length of Line:** The longitudinal accumulative error within a 32-foot length of skip stripe shall
8 not exceed plus or minus 1 inch.
9

10 **8-22.3(6) Removal of Pavement Markings**

11 This section is supplemented with the following:
12

13 Vacuum shrouded equipment, or other equally effective means, shall be used to contain and
14 collect all pavement marking debris and excess water. Collected water and debris shall be
15 disposed of off the project site in accordance with Department of Ecology or other federal, state
16 or local regulations. The removal of raised pavement markers shall be incidental to the removal
17 of the associated striping/markings.
18

19 **8-22.4 Measurement**

20 *The last sentence of the sixth paragraph is revised to read:*
21

22 Crosswalk lines will be measured by the linear foot of marking installed.
23

24 Stop lines will be measured by the linear foot of marking installed.
25

26 Lane lines will be measured by the linear foot of marking installed.
27

28 Painted curb will be measured by the linear foot of curb line as "Painted Curb."
29

30 Plastic Sharrow Symbols will be measured by each typical sharrow symbol installed.
31

32 **8-22.5 Payment**

33 *This section is supplemented with the following:*
34

35 "Plastic Crosswalk Line", per linear foot.
36

37 "Painted Curb", per linear foot.
38

39 "Removing Paint Line", per linear foot.
40

41 "Removing Painted Traffic Marking," per each.
42

43 "Plastic Traffic Arrow", per each.
44

45 "Plastic Wide Line", per linear foot.
46

47 "Plastic Traffic Letter", per each.
48

49 "Plastic Stop Line", per linear foot.
50

1 "Plastic Crosshatch Marking", per linear foot.

2

3 "Paint Line", per linear foot.

4

5 "Plastic Line". per linear foot.

6

7

8

END OF SECTION

9

10

1 **9-03 AGGREGATES**
2 **(September 20, 2018 Tacoma GSP)**

3
4 **9-03.6 Vacant**
5 **(Jun 16, 2016 Tacoma GSP)**

6 *This section, including the title, is revised to read:*

7
8 **9-03.6 Aggregates for Asphalt Treated Base (ATB)**

9
10 **9-03.6(1) General Requirements**

11
12 Aggregates for asphalt treated base shall be manufactured from ledge rock, talus, or
13 gravel, in accordance with the provisions of Section 3-01 that meet the following test
14 requirements:

15
16 Los Angeles Wear, 500 Rev. 30% max.
17 Degradation Factor 15 min.

18
19 **9-03.6(2) Grading**

20
21 Aggregates for asphalt treated base shall meet the following requirements for grading:

22

Sieve Size	Percent Passing
2"	100
1/2"	56-100
No. 4	32-72
No. 10	22-57
No. 40	8-32
No. 200	2.0-9.0

23
24 All percentages are by weight.

25
26 **9-03.6(3) Test Requirements**

27
28 When the aggregates are combined within the limits set forth in Section 9-03.6(2) and mixed in
29 the laboratory with the designated grade of asphalt, the mixture shall be capable of meeting
30 the following test values:

31
32 % of Theoretical Maximum Specific Gravity (GMM) (approximate) 93@
33 100 gyrations
34 AASHTO T324, WSDOT TM T718 or ASTM D3625 Pass
35 (Acceptable anti-strip evaluation tests)

36
37 The sand equivalent value of the mineral aggregate for asphalt treated base (ATB) shall
38 not be less than 35.
39
40

1 **9-03.8 Aggregates for Hot Mix Asphalt**
2 **(March 9, 2016 APWA GSP)**

3 *Supplement section 9-03.8 with the following:*

4
5 **Aggregates for Porous Hot Mix Asphalt/Porous Warm Mix Asphalt (PHMA/PWMA)**
6 **General Requirements**

7
8 Aggregates for Porous Hot Mix Asphalt (PHMA) or Porous Warm Mix Asphalt (PWMA) shall be
9 manufactured from ledge rock, talus, or gravel, in accordance with the provisions of Section 3-
10 01 that meet the following test requirements:

11
12 Los Angeles Wear, 500 Rev. 30% max.

13 Degradation Factor 15 min.

14
15 **Grading**

16 Aggregates for PHMA/PWMA shall meet the following requirements for grading:

17

Sieve Size	Percent Passing*
3/4" square	100
1/2" square	90 - 100
3/8" square	55 - 90
U.S. No. 4	10 - 40
U.S. No. 8	0 - 20
U.S. No. 40	0 - 13
U.S. No. 200	0 - 5

* All percentages are by weight.

18
19 The aggregate for PHMA/PWMA shall consist of crushed stone with a percent fracture greater
20 than 90% on two faces on the No. 4 sieve and above, and shall be tested in accordance with
21 the field operating procedures for AASHTO T 335.

22
23 **9-03.12 Gravel Backfill**

24 *Add the following new Section:*

25
26 **9-03.12(10) Pea Gravel**
27 **(September 20, 2018 Tacoma GSP)**

28

Sieve Size	Percent Passing*
3/4" square	100
3/8" square	95-100
U.S. No. 8	0 - 10
U.S. No. 200	0 - 3

29 Sand Equivalent 35 Minimum

30 * All percentages are by weight

31
32 **9-03.21 Recycled Material**
33

1 **9-03.21(1) General Requirements**
2 **(Jun 16, 2016 Tacoma GSP)**

3 *This section is supplemented with the following:*

4
5 Recycled materials will only be permitted upon approval of the Engineer. Recycled concrete
6 shall not be permitted for use as pipe zone backfill, backfill above pipe zone, and extra
7 excavation area backfill material.

8
9

10 **END OF SECTION**

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9-07 REINFORCING STEEL
(March 23, 2010 Tacoma GSP)

9-07.5(2) Corrosion Resistant Dowel Bars (For Cement Concrete Pavement)
This section is supplemented with the following:

Dowel bars for all streets shall be corrosion resistant.

END OF SECTION

1 **9-08 PAINTS AND RELATED MATERIALS**

2 **(March 23, 2010 Tacoma GSP)**

3 *The following section is added:*

4
5 **9-08.20 Painting Surfaces Systems**

6
7 The surfaces shall be painted in accordance with the type materials and exposures as identified
8 in this section. The Contractor shall provide the Engineer with a paint mil.

9
10 **9-08.20(1) Steel**

11
12 A. Exposed/outside exposure (non-galvanized)

- 13 1. Primer Coat Section 9-08.1(2)C (2.5-mils)
14 2. Intermediate Coat Section 9-08.1(2)G (3.5-mils)
15 3. Top Coat: Section 9-08.1(2)H (1.0-mils)

16
17 B. Exposed/Interior exposure (non-galvanized)

- 18 1. Primer Coat: Section 9-08.1(2)C (2.5-mils)
19 2. Intermediate Coat: Section 9-08.1(2)G (3.5-mils)
20 3. Top Coat: Section 9-08.1(2)H (1.0-mils)

21
22 C. Unexposed/interior & exterior (non-galvanized)

- 23 1. Primer Coat: Section 9-08.1(2)C (2.5-mils)

24
25 D. Exposed/interior & outside exposure (galvanized)

- 26 1. Primer Coat: Section 9-08.1(2)E (2.5-mils)
27 2. Top Coat: Section 9-08.1(2)H (1.0-mils)

28
29 E. Powder Coating and Galvanize Coating shall be applied where indicated in the
30 contract documents. All other surfaces to be coated per Section 6- 07.3.

31
32 F. Painting shall be applied in accordance with Section 6-07.3.

33
34 **9-08.20(2) Concrete**

35
36 A. Exposed/outside exposure

- 37 1. 1st Cost: Section 9-08.3 (3.0-mils)

38
39 B. Exposed/Interior exposure

- 40 1. 1st Cost: Section 9-08.1(3) (2.0-mils)
41 2. 2nd Cost: Section 9-08.1(3) (1.0-mils)

42
43 C. Surface to be painted where indicated on contract plans

44
45 D. Colors to be selected by the Project Engineer

46
47 **9-08.20(3) Wood**

48
49 All surfaces to be coated where and in accordance with contract documents as indicated.

50
51 **END OF SECTION**

1
2 **9-14 EROSION CONTROL AND ROADSIDE PLANTING**
3 **(May 15, 2023 Tacoma GSP)**

4
5 **9-14.2 Topsoil**

6
7 **9-14.2(1) Topsoil Type A**

8 *This Section is revised to read:*

9
10 Topsoil Type A shall meet the following requirements:

- 11
- 12 • The source Topsoil shall be friable and loamy, and can contain loam, sandy loam, silty
13 loam, clay loam, or a sandy clay loam.
 - 14 • Topsoil Type A shall be organically amended with Compost before delivery to the job
15 site, and the Compost shall conform to Special Provision 9-14.5(8).
 - 16 • The amended Topsoil shall have minimum 10% organic matter for use in planting beds;
17 typically containing 40% compost.
 - 18 • The amended Topsoil shall have minimum 5% organic matter for grass seeding and
19 lawn areas; typically containing 25% compost.
 - 20 • The pH shall be between 6.0 and 8.0.
 - 21 • The amended Topsoil shall have maximum 25% passing the #200 sieve.
 - 22 • The amended Topsoil shall not exhibit visible water or dust during handling.
- 23

24 **9-14.5(8) Compost**

25 *This Section is supplemented with the following:*

26
27 The Compost supplier shall produce Compost from a certified composting facility. Certified
28 compost facilities are included on a list and an interactive map available on the Washington
29 State Department of Ecology Composting website:

30
31 [https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-materials/Managing-](https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-materials/Managing-organics-compost)
32 [organics-compost](https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-materials/Managing-organics-compost)

33
34 Compost shall meet the definition for “composted material” per WAC 173-350-100 and comply
35 with standards in WAC 173-350-220, except the feedstock may contain bio solids or manure
36 feed stocks. When feedstock material is sourced in a pest quarantine area the owners of the
37 organic waste shall comply with WAC 16-470-124 including processing conditions and heat
38 treatments for pest control; and shall obtain a special permit from the Washington State
39 Department of Agriculture.

40
41 City of Tacoma TAGRO Potting Soil Mix, which is derived from the municipal solid waste
42 compost program, can be used as Compost or shall be added as part of the Compost mix for
43 landscaping and roadside restoration, including topsoil amendment and topsoil mix content.

44
45 Compost shall meet the following additional criteria:

- 46
- 47 • No visible water or dust during handling
 - 48 • 40% minimum to 65% maximum organic content per TMECC
 - 49 • Carbon to Nitrogen ratio below 25:1, or up to 35:1 for plants native to Puget Sound
50 lowland region, or up to 40% as a coarse compost for surface mulch only.

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For use as Topsoil amendment in BMP L613, Post Construction Soil Quality and Depth, Compost shall meet the following additional criteria:

- The Compost must originate from a feedstock that contains compost derived from municipal solid waste compost programs, such as TAGRO. Facilities that produce compost from post-consumer food waste, yard debris, and food scraps can be found on the [Department of Ecology WA composting facilities and material types table](#).
- The compost must originate from a feedstock that has a minimum of 65% recycled plant waste comprised of “yard debris”, “crop residues”, and “bulking agents”. A maximum of 35% post-consumer food waste can be substituted for recycled plant waste. The Compost may have up to 35% bio solids or manure. Percentages are specified by volume. Quoted terms are defined in WAC 173-350-100.
- Stable and mature per TMECC, meaning the Compost tests results show low oxygen use and low CO2 generation, and as capable of supporting plant growth.
- Use a Fine Compost per gradation in Section 9-14.5(8).
- Refer to Standard Plan series GSI-01b through GSI-01d for application.

END OF SECTION

1 **9-28 SIGNING MATERIALS AND FABRICATION**
2 **(April 1, 2012 Tacoma GSP)**

3
4 **9-28.1 General**

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

6
7 Permanent signs which measure 36 inches or less on a side and are to be mounted on a single
8 post shall be constructed of single 0.080-inch aluminum panels.

9
10 *The third sentence of the first paragraph is hereby revised to read:*

11
12 Sign overlay panels shall be 0.050-inch aluminum panels.

13
14 **9-28.9 Fiberglass Reinforced Plastic Signs**

15 *This section is deleted in its entirety.*

16
17
18
19
20

END OF SECTION

1 **9-29 ILLUMINATION, SIGNALS, ELECTRICAL**
2 **(August 14, 2019 Tacoma GSP)**

3
4 **9-29.1(6) Detectable Underground Warning Tape**

5 *This section is supplemented with the following:*

6
7 For electrical circuits detectable underground warning tape shall be high visibility red, with
8 continuous legend of "Caution Electric Line Buried Below" or equal. The warning tape shall be
9 polyethylene with a metallic backing. The polyethylene shall be a minimum 3 inches wide, 4 mils
10 thick.

11
12 **9-29.2 Junction Boxes, Cable Vaults and Pull Boxes**

13
14 Unless otherwise specified, all junction boxes containing illumination and signal control cable
15 shall be Type 1, Standard Duty with alternate 2 locking lid per state standard plan J-40.10-02.

16
17 Unless otherwise specified, all junction boxes containing interconnect cabling shall be Type 2,
18 Standard Duty with alternate 2 locking lid per state standard plan J-40.10-02.

19
20 **9-29.2(4) Cover Markings**

21 *The second paragraph of this section is revised to read:*

22
23 Covers shall be marked or embossed with "LT" for boxes containing illumination circuits.
24 Covers shall be marked or embossed with "TS" for boxes containing traffic signal circuits

25
26 **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

27 *This section is supplemented with the following:*

28
29 Where not otherwise specified, all wiring shall meet standard of the industry for the application
30 employed. Wiring shall be consistent with manufacturers' recommendations and meet all
31 applicable codes.

32
33 **9-29.3(2)A Single Conductor**

34
35 **9-29.3(2)A1 Single Conductor Current Carrying**

36 *This section is supplementing with the following:*

37
38 Service connections shall be stranded copper size AWG #6 USE unless otherwise shown in the
39 plans. Black conductor insulation shall be used for the service and the neutral conductor shall
40 be white. Color tape marking shall not be acceptable for the neutral conductor.

41
42 **9-29.3(2)A2 Grounding Electrode Conductor**

43 *This section is supplemented with the following:*

44
45 Grounding electrode conductor shall be minimum #8 AWG unless otherwise shown in the plans.
46 When the ground is pulled through a conduit, the wire shall be insulated. Color tape marking
47 shall not be acceptable for marking the ground.

1 **9-29.3(2)A3 Equipment Grounding and Bonding Conductors**

2 *This section is supplemented with the following:*

3
4 Equipment grounding shall be minimum #8 AWG unless otherwise shown in the plans. When
5 the ground is pulled through a conduit, the wire shall be insulated. Color tape marking shall not
6 be acceptable for marking the ground.

7
8 **9-29.3(2)B Multi-Conductor Cable**

9 *This section is supplemented with the following:*

10
11 Two-conductor through 10-conductor unshielded signal control cable, shall have stranded
12 copper conductors, size AWG 14, and shall conform to International Municipal Signal
13 Association (IMSA) signal cable 20-1.

14
15 **9-29.3(2)F Detector Loop Wire**

16 *This section is revised to read:*

17
18 The loop wire shall be IMSA 51-7, #14 AWG, encased in an orange colored HDPE jacket.
19 Shielded loop lead-in wire shall be #18 stranded tinned-copper, twisted pair, 2 conductor cable
20 with polyethylene insulation, conductors cabled, and shall have aluminum-polyester foil-shield
21 furnished in 100% coverage, stranded tinned-copper drain wire and an overall chrome-vinyl
22 jacket.

23
24 **9-29.3(2)I Twisted Pair Communication Cable**

25 *This section is revised to read:*

26
27 The cable for interconnect for underground installation shall be IMSA 40-2 #19 AWG 6 twisted
28 pair, shielded, PE outer jacket or IMSA 40-4 #19 AWG 6 twisted pair, figure 8, shielded, PE
29 outer jacket for overhead installation.

30
31 **9-29.4 Messenger Cable, Fittings**

32 *This section is supplemented with the following:*

33
34 Messenger cable shall be 5/16-inch, seven-wire strand messenger cables conforming to ASTM
35 A 475, extra-high strength grade, 11,200 lbs. min. breaking strength, Class B galvanized.

36
37 All guy eye anchor rods shall be double-hub type.

38
39 Weatherheads shall be clamp-on type PVC. Where used for signal or flashing beacon
40 conductors, the center of the wire entrance shall be cut or machined out to a large diameter to
41 accommodate entry of multi-conductors. All edges shall be smoothed to avoid chaffing.

42
43 All miscellaneous nuts, bolts, washers and fittings shall be stainless steel or brass unless
44 otherwise noted.

45
46 All metal line hardware shall be hot-dipped galvanized in conformance with the requirements of
47 ASTM Designation A-153. All eyebolts shall be thimble eye design cast or welded to form a
48 solid eye.

1 5-strand, class B galvanized steel, pretwisted guy strand dead ends, high strength cable
2 conforming to ASTM Designation A-475, shall be utilized at all span wire terminations. 1/2" rope
3 wire thimbles shall be required where span wire connects to all poles or bull rings, except where
4 thimble eye bolts are used. Span wire shall normally be installed directly pole to pole, unless
5 otherwise directed or specified.

6
7 Strain insulators shall be installed where connecting to wood poles. Where span wire is
8 connected to a steel or concrete pole, insulators shall not be installed. Strain insulators shall be
9 wet process, porcelain, conforming to EEI-NEMA Class 54-2 standards for 12,000-pound
10 ultimate strength and shall be installed 9 feet from the pole.

11 **9-29.6 Light and Signal Standards**

12 *This section is supplemented with the following:*

13
14 All light and signal standards shall be fixed base.

15
16
17 The head of the handhold security bolt shall be flush with the face of plate. The face plate of
18 the handhole shall be flush with pole.

19 **9-29.6(3) Timber Light Standards, Timber Strain Poles, Timber Service Supports**

20 *This section is supplemented with the following:*

21 All timber poles shall be Class II unless otherwise specified.

22
23 Mast arms for wood poles shall be "tapered elliptical" or "tapered truss" style, of a size sufficient
24 to be used with a luminaire weight of 48 pounds with an EPA of 1.1 square feet. Arms shall
25 have 2-3/8 inches O.D. x 8-inch long slip fitter for mounting luminaire.

26 27 **9-29.6(5) Foundation Hardware**

28 *This section is supplemented with the following:*

29 All pedestrian pushbutton poles (Type PPB) shall be installed utilizing a Breakaway Base
30 Connection system in conformance with WSDOT standard plan J-20.15-03. Bracket shall be
31 sized to accommodate a standard push button pole with an outside diameter of 3.5-inches.
32 Anchor bolt receivers shall be installed at 2-3/4-inch by 7-15/16 inch on center.

33
34
35 *Section 9-29.6 is supplemented with the following new section:*

36 37 **9-29.6(6) City of Tacoma Universal Pole**

38
39 Unless otherwise specified, light standards and strain poles shall be in conformance with the
40 following City of Tacoma standard design.

41 **Strength**

42 Each pole and mast arm shall have adequate strength for the designated luminaire with 1.8
43 safety factor for maximum combined stresses using 90 mph isotach (117 mph gusts) per
44 AASHTO specifications for structure supports for highway luminaires. Design shall be based on
45 total loading of 50 pounds and EPA of 2.0 square feet.

1 **Standard Bolt Spacing**

2 30 Foot poles -- Baseplate shall accommodate 1 inch anchor bolts. The bolt circle shall be
3 between 11 inches and 13 inches.

4 40 Foot Poles -- Baseplate shall accommodate 1 inch anchor bolts. The bolt circle shall be
5 between 12.5 inches and 14.5 inches.

6
7 **9-29.6(6)A Steel Strain Poles**

8
9 Each pole shall be of tapered round or octagonal construction.

10
11 CLASS 1 POLE: Design for dead load tensions up to 1500 pounds

12 CLASS 2 POLE: Design for dead load tensions up to 2600 pounds

13
14 Class 1 poles shall have a minimum base diameter of 12-inches for octagonal poles and 12-1/4-
15 inches for round poles. Poles shall have a minimum wall thickness of 0.3125-inches. Anchor
16 bolts shall be 1-1/2-inch by 60-inches and shall have a spacing of 11-5/16-inches on center, on
17 the square. It is the responsibility of the pole manufacturer to maintain proper clearance
18 between the pole shaft and nuts for the anchor bolts.

19
20 Class 2 poles shall have a minimum base diameter of 13-1/2-inches for octagonal poles and 14-
21 inches for round poles. Poles shall have a minimum wall thickness of 0.375-inches. Anchor
22 bolts shall be 2-inch by 66-inches and shall have a spacing of 12-3/4-inches on center, on the
23 square. It is the responsibility of the pole manufacturer to maintain proper clearance between
24 the pole shaft and nuts for the anchor bolts

25
26 Poles shall be of single-ply construction. Multiple-ply poles shall not be allowed.

27
28 Each pole shall be of tapered round or octagonal construction. Pole taper shall be in the range
29 of 0.13 to 0.14 in/ft.

30
31 A base plate and top casting shall be securely attached to each pole. The attachment of the
32 base plate to the pole shall be a welded connection sufficient to develop the full strength of the
33 pole. The base plate shall have four (4) holes which will sufficiently accommodate the specified
34 anchor bolts for the pole class.

35
36 Pole shall be of sufficient strength to allow for the span wire to be installed to sag an amount
37 equal to 5% of the span length.

38
39 The maximum acceptable deflection, at 30 feet above the base, is 5 inches. The specified
40 deflection shall be at a loading condition of 1,500 pounds horizontal pull at 30 feet above the
41 base for Class 1 Poles. For Class 2 Poles, the loading condition shall be 2,600 pounds
42 horizontal pull at 30 feet above the base.

43
44 Structural material shall be zinc-coated by a "hot-dip" process in accordance with ASTM A123
45 and the final coating shall measure 0.0039 inch or more in thickness as determined by a
46 magnetic thickness gauge. All tapped holes shall be chased after galvanizing. Hardware shall
47 be coated in accordance with ASTM A307.

1 The finished pole shall be reasonably straight and free from injurious defects. If galvanizing is
2 damaged, the maximum area to be repaired is defined in accordance with ASTM A123 Section
3 4.6. The maximum area to be repaired in the field shall be determined in advance by the
4 Engineer. Repair areas damaged during construction, handling, transport or installation by one
5 of the approved methods in accordance with ASTM A780 whenever damage exceeds 3/16
6 inches in width. Minimum thickness for repair shall measure 0.0039 inches.

7
8 The company shall furnish the purchaser with template prints showing spacing and size of holes
9 in base for the anchor rods.

10
11 The material shall carry the manufacturer's standard guarantee against any defect in material or
12 workmanship for a minimum period of one year following the date of installation. The Contractor
13 shall submit mil test reports for all steel used in the manufacturing of strain poles and pedestals.

14
15 The Contractor shall submit a Certificate of Compliance with ASTM Standards and
16 Specifications for galvanizing. The certificate, signed by the galvanizer, shall detail galvanizing
17 process and testing procedure to determine that galvanizing meets minimum thickness
18 specified.

19
20 The contractor shall submit welder certification. Welders must be certified to AWS standards.

21
22 Each pole shall include the following:

- 23 1. One (1) rain-tight pole cap.
 - 24 2. One (1) 4-inch by 6-1/2-inch handhole at base end with cover plate opposite to mast
25 arm.
 - 26 3. Anchor bolts shall be hot dipped galvanized steel with two (2) galvanized nuts and
27 two (2) washers for each bolt. Only 12-inches of threaded end of the bolts must be
28 galvanized. 1-1/2-inch diameter bolts shall have 8-inches of top thread and 2-inch
29 diameter bolts shall have 10-inches of top thread.
 - 30 4. Anchor bolts shall have threaded bottom ends to receive an anchor plate and nut.
31 The nut shall be tack-welded to the anchor plate. Anchor plates for 1-1/2-inch
32 diameter anchor bolts shall be 4-inch square by 1-inch thick. Anchor plates for 2-
33 inch diameter anchor bolts shall be 6-inch square by 1-inch thick
 - 34 5. One (1) adjustable strain clamp to be mountable between 26 to 28 feet above the
35 base. Clamp shall provide facility to attach span wire at four-quarter points.
 - 36 6. Provisions for mounting a mast arm of specified length. All poles shall be supplied
37 with one mast arm mounting flange. The centerline of the flange shall be
38 approximately 6 inches below the top of 38-foot poles and 24 inches below the top of
39 30-foot poles. The flanges shall conform with the detail drawing included in the
40 Special Provisions. Poles ordered without mast arms but with provisions for a later
41 addition of a mast arm shall be provided with a metal cover and gasket to protect the
42 opening being provided. The cover shall be bolted to the pole using the holes
43 provided for fastening the mast arm.
 - 44 7. One (1) two-inch coupling to receive clamp-on type aluminum weatherhead
45 positioned at 27 feet, and no more than 45° from the location of the mast arm, unless
46 otherwise specified.
 - 47 8. One (1) 1-1/4-inch coupling for wire inlet located directly opposite the mast arm.
 - 48 9. One (1) grounding lug-hole in lip of handhole for 1/2-NC brass bolt.
- 49

1 **9-29.13 Control Cabinet Assemblies**

2 *This section is revised to read:*

3
4 The Traffic Controller Cabinet Assembly shall be completely wired and tested to the 2003
5 NEMA TS2 Traffic Controller Assemblies Specification with NTCIP Requirements Version
6 02.06, as amended by these specifications.

7
8 Cabinets shall be compatible with both Siemens M50 and M60 series controllers.

9
10 The following submittals will be required for the review and approval by the City prior to
11 fabrication and wiring:

- 12
13 1. Proposed cabinet layout diagram including shelving/rack locations. In addition, detailed
14 diagrams shall be provided for the left side, right side, and back panels. Drawings shall
15 be clearly labeled and dimensioned.
- 16 2. Proposed cabinet wiring diagram shall be submitted for the review and approval by the
17 City. Wiring of cabinets shall not commence prior to City approval of the cabinet wiring
18 plan.

19 All submittal comments shall be incorporated into a final set of prints and each cabinet shall be
20 furnished to three (3) complete sets of cabinet prints. All cabinet wiring, and layout shall come
21 on (1) E1 size sheet, multiple pages shall not be allowed. Upon request (1) CDROM or USB
22 flash drive with AutoCAD v2008 cabinet drawing for the cabinet wiring.

23
24
25 **9-29.13(1) Traffic Control Cabinets**

26 Each Traffic Controller Cabinet shall meet the following general operating requirements:

- 27 1. The wired cabinet facility shall use the latest technology applicable meeting the
28 requirements identified by these specifications.
- 29 2. The cabinet shall be designed for 16 channel operation. Load switch(s) 1-8 shall be
30 vehicle phases 1-8; load switch(s) 9-12 shall be pedestrian phases 2, 4, 6, 8; load
31 switch(s) 13-16 shall be overlaps A, B, C, & D; these load switch sockets shall be
32 configured in this manor without rewiring the back side of the load-bay. BIU load switch
33 drivers 1-16 shall be wired to appropriate load switch socket.
- 34 3. The cabinet shall be wired for (32) channels of detection and (4) channels of Opticom™
35 preemption.
- 36 4. The use of PC boards shall not be allowed except in detector racks and SDLC interface
37 panels. With the exception of detection racks, the use of plug and play modules shall
38 not be allowed
- 39 5. All cabinet 120VAC wires shall be 18AWG or greater, including controller "A" and MMU
40 "A & B" cables.
- 41 6. All welds shall be free from burrs, cracks, blowholes or other irregularities.
- 42 7. The cabinet shall be UL listed.

1 **9-29.13(1)A Cabinet Enclosures**

2 All Cabinet enclosures shall meet the following requirements:

- 3 1. Controller cabinets that are not designated in the project plans and specifications as
4 UPS Controller Cabinets shall be sized in accordance with NEMA P44 Controller
5 Cabinet standards.
- 6 2. The cabinet shall meet NEMA 3R rating for enclosures.
- 7 3. The cabinet shall be fabricated from 0.125" minimum thickness 5052 H32 ASTM B209
8 aluminum alloy and be of clean cut design and appearance. The Cabinet shall be
9 supplied with a natural mill finish inside and out, unless otherwise specified.
- 10 4. All exterior seams shall be manufactured with a neatly formed continuous weld
11 construction.
- 12 5. All external fasteners shall be stainless steel. Interior cabinet welds shall be continuous
13 for all lap and butt welds. Intermittent welds or silicone adhesive shall not be accepted
14 in place of a weld for weather-tight penetrations. Pop rivets shall not be allowed on any
15 external surface.
- 16 6. The cabinet shall be designed for mounting on a concrete pad with anchor bolts and
17 typical flanges inside the cabinet. The cabinet base shall have continuously welded
18 interior mounting reinforcement plates with the same anchor bolt-hole pattern as the
19 footprint dimensions.
- 20 7. Unless otherwise approved by the Engineer, there shall be a minimum ten (10) inch
21 vertical clearance above the front half portion of the base area to provide a clearance for
22 conduit and cable entering the cabinet.
- 23 8. The cabinet shall be double-flanged where it contacts cabinet doors.
- 24 9. The top of the cabinet shall be sloped down 1" towards the rear to facilitate water runoff.
25 The roof shall be sloped at a 90° angle at the front of the cabinet. Lesser slope angles
26 are not allowed.
- 27 10. The cabinet shall be equipped with "C" channel rails welded to the interior of the cabinet
28 such that panels may be mounted to the interior of the cabinet without drilling through
29 the outer cabinet. The "C" channel rails shall be sufficient in strength to accommodate
30 planned and reasonably anticipated future equipment needs. At a minimum, the cabinet
31 shall have (2) welded on the back wall, and (4) welded on each side wall with (2) pairs
32 on 8-inch centers. The side and back wall C channel rails shall run the entire usable
33 height of the cabinet walls.
- 34 11. The cabinet shall come with lifting ears affixed to the upper exterior of the cabinet. The
35 lifting ears shall utilize only one bolt such that the ears can be reoriented.

36 **9-29.13(1)A1 Cabinet Enclosures for UPS Systems**

37 Controller cabinets that are designated in the project plans and specifications as UPS Controller
38 Cabinets shall be 70" high x 44" width x 25.5" depth (nominal dimensions) and meet the
39 footprint dimensions as specified in Section 7.3, table 7-1 of NEMA TS2 standards for a Type P
40 cabinet.

41

42

1 UPS Controller Cabinet enclosures shall meet all applicable requirements of Section 9-
2 29.13(1)A and shall meet the following additional requirements:

- 3 1. The controller cabinet shall have (2) separate compartments. A Main compartment and
4 a Battery Backup System (BBS) compartment.
- 5 2. The main compartment shall be accessible from the front door and shall house the
6 cabinet load facilities and electronics. The Battery Backup System (BBS) compartment
7 shall be accessible from the side door and shall contain the UPS system batteries.
- 8 3. The cabinet shall be designed such that when the UPS system inverter and ATS
9 assembly are mounted in the BBS compartment, they shall be fully accessible when the
10 front door is open.

11
12 **9-29.13(1)B Cabinet Doors and Locks**

13 Cabinet Doors and Locks shall conform to the following:

- 14 1. A hinged door shall be provided on the front of the cabinet permitting complete access to
15 the cabinet and the equipment to be contained therein.
- 16 2. Cabinet doors shall be mounted with single continuous stainless steel piano hinges that
17 run the length of the door. The hinges shall be attached via stainless steel tamper
18 resistant bolts.
- 19 3. Closed-cell, neoprene gaskets shall be bonded to the inside of cabinet doors. The
20 gaskets shall cover all areas where the doors contact the double flanged cabinet
21 housing exterior and be thick enough to provide a watertight seal.
- 22 4. Bearing rollers shall be applied to ends of door latches to discourage metal-on-metal
23 surfaces from rubbing.
- 24 5. All lock assemblies shall be positioned such that the door handle does not cause
25 interference with the key when opening the door.
- 26 6. A complete set of keys shall be supplied providing access to all doors, including the front
27 cabinet door, the cabinet side door (where applicable), the police door and the generator
28 receptacle door.

29 The front cabinet door shall meet the following additional requirements:

- 30 1. The front door of the cabinet shall be equipped with a universal lock bracket and lock
31 that operates with a traffic industry conventional #2 key.
- 32 2. A stiffener plate shall be welded to the inside of the front door to prevent flexing.
- 33 3. The front door shall have a two-position, three-point door stop that accommodates open-
34 angles at 90°, 125°, and 150°.
- 35 4. The front door handle shall be ¾" round stock stainless steel bar. Door handle
36 mechanisms shall be interchangeable and field replaceable.

37 A side door on UPS Controller Cabinets shall be provided for accessing the BBS compartment.
38 The cabinet side door shall meet the following additional requirements:

- 39 1. The side door shall be one piece construction without any recessed compartments.
- 40 2. The side door shall have a three-position, two-point door stop that accommodates open-
41 angles at roughly 80°, 100°, and 120°.

- 1 3. The side door shall use a recessed hexagonal socket in lieu of a door handle.

2
3 **9-29.13(1)C Recessed Compartments**

4 The front door shall contain (2) flush mount locking recessed compartments. The upper
5 compartment shall house a police door and the lower compartment shall house a generator
6 bypass receptacle.

- 7 1. The welds for the police compartment and the generator receptacle compartment shall
8 be done on the outside of the front door.
- 9 2. The police door compartment shall come with a conventional police lock.
- 10 3. The generator bypass receptacle compartment shall have an integrated door slide
11 mechanism that allows the door to be closed and locked after a generator has been
12 connected to the internal receptacle.
- 13 4. The generator bypass receptacle compartment shall be equipped with a universal lock
14 bracket and a standard traffic signal Corbin #2 tumbler series lock.
- 15 5. The locking generator bypass compartment will be used to connect a generator for
16 operating the cabinet during loss of service line power. The generator compartment shall
17 be capable of being closed and locked while a generator is connected. The mechanism
18 for allowing generator cable access, while the compartment is closed, shall be an
19 integral part of the generator bypass door, via a sliding panel that will normally be in the
20 closed position.

21
22 **9-29.13(1)D Cabinet Ventilation**

23 Cabinet ventilation shall be provided as follows:

- 24 1. A louvered air entrance shall be located at the bottom of the front cabinet door.
- 25 2. For UPS Cabinets, a louvered air entrance shall also be provided at the bottom of the
26 side cabinet door.
- 27 3. Louvered air entrances shall satisfy NEMA rod entry test requirements for 3R ventilated
28 enclosures. The baffle panel that holds the fan assemblies shall be sealed on the
29 interior of the cabinet.
- 30 4. The cabinet shall come with (2) three-stage, multi-ply progressive density polyester,
31 disposable air filter; and the filter performance shall conform to listed UL 900 Class 2
32 and shall conform to ASHRAE Standard 52.1. The filter shall be secured to entrance on
33 main door by two (2) horizontally-mounted restraints.
- 34 5. The cabinet shall be provided with two (2) finger safe fans mounted on the right and left
35 sides of the cabinet plenum, and shall be thermostatically controlled. Fans shall have a
36 rating of 100 CFM and the thermostat setting to allow variable turn-on between 90
37 degrees and 140 degrees Fahrenheit. The fan motor shall use ball-bearings. This unit
38 shall be fitted with an electrical noise suppressor. The safe touch thermostat and power
39 terminal block(s) shall be din rail mounted on the cabinet plenum.

40
41 **9-29.13(1)E Cabinet Shelving**

42 Cabinet Shelving shall be provided as follows:

- 43 1. The cabinet shall have two (2) aluminum 0.75-inch shelves that span the width of the
44 cabinet. Shelves shall be double beveled 10" deep and reinforced with welded V

1 channel, fabricated from 5052-H32 0.125-inch thick aluminum with double flanged edges
2 rolled front to back. Slotted holes shall be inserted every 7" for the purpose of tying off
3 wire bundles.

4 2. A slide-out computer shelf 16" length by 12" width by 2" depth shall be installed
5 underneath the bottom equipment shelf. The shelf shall be mounted just left of center so
6 that controller cables will not interfere with the operation of the shelf when equipment is
7 installed. The computer shelf shall have a hinged cover that opens from the front and
8 shall be powder-coated black. The computer shelf shall be fully retractable under the
9 bottom equipment shelf. When fully extended, the computer shelf shall hold a minimum
10 of 50lbs and shall automatically secure in place, mechanically, with a tool-less release
11 mechanism.

12 3. For UPS Controller Cabinets, the BBS compartment shall come with (1) 14.25" x 7.75"
13 flanged shelf designed to hold the batteries. In the UPS configuration, the main cabinet
14 shall come with a third shelf that runs the entire width of the cabinet above the BBS
15 compartment.
16

17 **9-29.13(2) Wiring**

18 All wiring within the cabinet shall be neat and firm. All cabinet wire shall be amply rated for the
19 function intended and shall include the use of terminal and suitable identification labels.
20

21 Connectors and harnesses shall be provided as defined in the latest NEMA TS 2 standard.
22 Connector A & B shall be supplied for the monitor unit. In addition to the TS 2 10-pin
23 connector, the cabinet shall also be wired with a standard 55-pin NEMA TS 1 Connector A.
24

25 Wire for harnesses shall conform to MIL-W-16878E Type B, and shall be rated to 600 volt,
26 105 degree Celsius. Wire shall be 22 gage, 19 strand. Wires shall be connected to the
27 heads in the form of crimp-pinned connections. Solder lugs shall not be allowed.

28 Connectors shall conform to MIL-C-26482 Series 1. Cables shall be covered with nylon
29 expandable sleeving. Spiral wrap shall not be used. Termination points of the harnesses
30 shall be accessible to the technician without requiring the back panel to be dropped. Unused
31 harness wires shall be tied to the furthest location on the front of the back panel and shall be
32 capped off.
33

34 Wires other than harnesses for the monitor and controller shall be THHN, rated at 600 volt,
35 105 degree Celsius, and shall be a minimum of 22 AWG.
36

37 Non insulated connectors shall be utilized for all connections to the Detector Input Terminal
38 Strip.
39

40 **9-29.13(3) Electrical Design**

41 **9-29.13(3)A Load Bay**

42 The design of the load-bay shall conform to NEMA TS2 Section 5, Terminals and Facilities,
43 unless modified herein. The load bay shall be the termination point for the controller unit (CU)
44 10-pin TS2 MSA cable, The CU 55-pin TS1 MSA cable, and the (MMU) MSA & B cables. The
45 terminal facilities layout shall be arranged in a manner that allows all equipment in the cabinet
46 and all screw terminals to be readily accessible by maintenance personnel.
47
48
49

- 1 The load bay shall be fully wired and meet the following requirements:
- 2 1. The load bay assembly shall be constructed of smooth finished aluminum, sufficient
- 3 in size for the intended purpose, and with a minimum nominal thickness of 0.125
- 4 inches (1/8 inch). The load bay assembly shall be mounted between 7-inches and 9-
- 5 inches above the bottom of the cabinet.
- 6 2. The load bay assembly (panel) shall be hinged and capable of folding down to allow
- 7 full access to all wiring and connectors on the back side of the load bay. The panel
- 8 shall be constructed, and wiring shall have sufficient slack, such that folding down
- 9 the back panel shall not interfere with the operation of the traffic signal while in
- 10 service.
- 11 (1) All wire shall enter the lower edge of the panel to facilitate folding down back
- 12 panel. The controller (CU) and malfunction management (MMU) cables shall
- 13 be routed through the back of the load-bay so that they will not be subject to
- 14 damage during load-bay roll down.
- 15 (2) All solder terminals shall be accessible when the load-bay is folded down.
- 16 (3) The assembly shall be able to fold down without requiring other components,
- 17 cables or switches to be removed.
- 18 (4) The load bay shall be designed so that all other cabinet screw terminals are
- 19 accessible without removing cabinet electronics.
- 20 (5) The panel shall be able to be fully secured when in its upright position.
- 21 (6) The top of the load-bay panel shall attach directly to "C" channel spring nuts
- 22 without the use of standoffs and spacers.
- 23 (7) The load bay shall be balanced such that it will not roll down when the spring
- 24 nuts are removed, even when fully loaded with load switches, flashers and
- 25 flash transfer relays.
- 26 3. The load-bay facility shall be wired for 16 channels.
- 27 (1) Load switch(s) 1-8 shall be vehicle phases 1-8
- 28 (2) Load switch(s) 9-12 shall be pedestrian phases 2, 4, 6, & 8
- 29 (3) Load switches 13-16 shall be overlaps A, B, C & D
- 30 (4) Load switches 1-8 & 13-16 shall be routed through a flash transfer relay.
- 31 4. The following sockets will be provided:
- 32 (1) Minimum sixteen (16) load switch sockets for NEMA load switches.
- 33 (2) Six (6) flash transfer relay sockets.
- 34 (3) One (1) flasher socket.
- 35 5. Install 2K-ohm, 12 watt load resistors as indicated below. The resistors should be
- 36 installed to allow good air circulation. All load resistors shall be easily accessible
- 37 from the back of the load bay.
- 38 (1) Install on green and yellow outputs of sockets 1, 3, 5, and 7
- 39 (2) Install on yellow outputs of sockets 9, 10, 11, and 12
- 40 (3) Install on green and yellow outputs of sockets 13, 14, 15, and 16

- 1 6. All load switches and flasher shall be supported by a bracket extending at least ½
2 the length of the load switch.
- 3 7. Controller Unit (CU) Wiring: Wiring for the 10-pin TS2 MSA cable and the 55-pin
4 TS1 MSA cable shall be soldered to backside of a load bay screw-type terminal strip.
5 All controller pins functions shall be terminated.
- 6 8. Malfunction Monitoring Unit (MMU) Wiring: MMU MSA & B cables shall be soldered
7 to backside of a screw-type terminal strip. All MMU pin functions shall be terminated.
- 8 9. Relays:
 - 9 (1) All 24 VDC relays shall have the same base socket, but it shall be different
10 from the 115VAC relays.
 - 11 (2) All 115VAC relays shall have the same base socket, but it shall be different
12 from the 24VDC relays. (not applicable to flash transfer relays)
 - 13 (3) The load bay shall have a relay that drops +24VDC to load switches when
14 the cabinet is in flash.
- 15 10. The load bay shall have terminals to access the flash circuits 1 and 2.
- 16 11. There shall be a wire between the pedestrian yellow field terminals and another
17 terminal on the load bay. The MMU channel 9-12 yellows shall terminate next to said
18 pedestrian yellows terminal.
- 19 12. The load-bay shall be silkscreened on both sides. Silkscreen shall be numbers and
20 functions on the front side, and numbers only on the back side.
- 21 13. Field wiring terminations shall be per channel across the bottom of the load-bay.
22 Each channel shall have 3 terminations corresponding to the appropriate vehicle
23 phase Green, Yellow and Red. Default wiring shall be left to right vehicle phases 1-8,
24 pedestrian phases 2, 4, 6, 8 and overlap channels A, B, C, and D following the order
25 of the load switches. Field terminals shall be #10 screw terminal and be rated for
26 600V.
- 27 14. System shall be wired to flash all vehicle channels. Flash programming shall be
28 either red, yellow or no flash simply by changing wires on the front of the load-bay.
29 WIG/WAG flashing operation shall alternate between the used vehicle phases as
30 follows:
 - 31 (1) WIG: Phases 1, 4, 5, 8, OLA, & OLD
 - 32 (2) WAG: Phases 2, 3, 6, 7, OLB, & OLC
- 33 15. The intersection shall be capable of being placed on flashing operation by the conflict
34 monitor, remote input, internal controller time clock and door switch. Remote and
35 internal controller time clock flash shall be in accordance with MUTCD flash. Conflict
36 flash shall be all-red.
- 37 16. All spare circuits shall be wired and terminated on a terminal strip and shown on the
38 wiring diagram.
- 39 17. All cable wires shall be terminated. No tie-off of unused terminals will be allowed.

40 All wiring shall conform to NEMA TS2 Standards. Load bay wiring shall conform to the following
41 colors and minimum wire sizes:

42

1	Vehicle green load switch output	14 gauge brown
2	Vehicle yellow load switch output	14 gauge yellow
3	Vehicle red load switch output	14 gauge red
4	Pedestrian Don't Walk switch	14 gauge orange
5	Pedestrian Walk switch	14 gauge blue
6	Pedestrian Clearance load switch	14 gauge yellow
7		
8	Vehicle green load switch input	22 gauge brown
9	Vehicle yellow load switch input	22 gauge yellow
10	Vehicle red load switch input	22 gauge red
11	Pedestrian Don't Walk input	22 gauge orange
12	Pedestrian Walk input	22 gauge blue
13	Pedestrian Clearance input	22 gauge yellow
14		
15	Logic Ground	18 gauge white with red tracer
16	+24V DC	18 gauge red with white tracer
17	+12V DC	18 gauge pink
18	AC+ Line	14 gauge black
19	AC- Line	14 gauge white
20	Earth Ground	16 gauge green
21	AC line (load bay)	12/14 gauge black
22	AC neutral (load bay)	12/14 gauge white
23		
24	Controller A Cables – AC+	18 gauge black
25	Controller A Cables – AC-	18 gauge white
26	Controller A Cables – Earth Ground	18 gauge green
27	Controller A Cables – All other cables	22 gauge blue
28		
29	MMU A & B Cables – AC+	18 gauge black
30	MMU A & B Cables – AC-	18 gauge white
31	MMU A & B Cables – Earth Ground	18 gauge green
32	MMU A & B Cables – Start Delay Relay	
33	Common	18 gauge black
34	Normally Open	18 gauge black
35	Normally Closed	18 gauge black
36	MMU A & B Cables – All other cables	22 gauge orange

37
38 The field terminal blocks shall have a screw Type No. 10 post capable of accepting no less than
39 3 No. 12 AWG wires fitted with spade connectors. Four (4) 12-position terminal blocks shall be
40 provided in a single row across the bottom of the main panel. Spade lugs from internal cabinet
41 wiring are not allowed on field terminal screws. There shall be a second row of four (4) 12-
42 position terminal blocks with screw type #10 above the field terminal blocks. These blocks shall
43 operate the flash program. It shall be changeable from the front of the load-bay. All load
44 switches, flasher, and flash transfer relay sockets shall be marked and mounted with screws.
45 Rivets and clip-mounting is unacceptable.

46
47 The terminal block above the Pedestrian field blocks shall be tied to the Don't Walks and Walks
48 with orange and blue 14AWG wire. This shall provide termination for pushbutton control wires
49 without utilizing field terminals.

50

1 The power terminal blocks shall have a screw Type No. 10 post capable of accepting no less
2 than 3 No. 12 AWG wires fitted with spade connectors. One (1) 12-position terminal blocks shall
3 be provided vertically on the right side of the load bay. The placement of the power terminal
4 block on any other panel shall not be allowed.

5
6 Wire size 16 AWG or smaller at solder joints shall be hooked or looped around the eyelet or
7 terminal block post prior to soldering to ensure circuit integrity. All wires shall have lugs or
8 terminal fittings when not soldered. Lap joint/tack on soldering is not acceptable. All soldered
9 connections shall be made with 60/40 solder and non-corrosive, non-conductive flux. All wiring
10 shall be run neatly and shall use mechanical clamps and conductors shall not be spliced
11 between terminations. Cables shall be sleeved in braided nylon mesh and wires shall not be
12 exposed.

13
14 All wires terminated behind the main panel or on the back side of other panels shall be
15 SOLDERED. No pressure or solder-less connectors shall be used. Printed circuit boards shall
16 not be allowed.

17 **9-29.13(3)B Side Panels**

18 Side panels shall be mounted on "C" channels as specified herein. All panels shall be smooth
19 finished aluminum sufficient in size and thickness for the intended purpose and anticipated
20 equipment required. Side panels shall be no smaller than 16 gauge and no larger than 12
21 gauge. Side panels shall be mounted no closer than 13" from the rear of the cabinet and no
22 closer than 2" from bottom of cabinet.

23
24
25 The Back Left (BKLT) side panel(s) shall contain the following:

- 26 1. BKLT/PSIP – Power Supply Interface Panel
 - 27 a. 12-position, double row, high barrier block with #8/32 slotted brass screws
 - 28 b. See Section 9-29.13(3)B1 for additional requirements
- 29 2. BKLT/SDLC – SDLC Interface Panel
 - 30 a. 10-port SDLC terminal
 - 31 b. See Section 9-29.13(3)B2 for additional requirements
- 32 3. Additional blank panels are not required for vacant space in the back left of the
33 cabinet.

34
35 The Front Left (FRLT) side panel(s) shall contain the following:

- 36 1. FRLT/VDIP – Video Detection Interface Panel
 - 37 a. See Section 9-29.13(3)B3 for requirements
- 38 2. FRLT/DP – Detection Panel
 - 39 a. Vehicle Detection: 64-position, double row, high barrier block with #8/32
40 slotted brass screws
 - 41 b. Emergency Vehicle Preemption: 8-position, double row, high barrier block
42 with #8/32 slotted brass screws
 - 43 c. Pedestrian Detection: 8-position, double row, high barrier block with #8/32
44 slotted brass screws
 - 45 d. Pedestrian Returns: Two (2) 8-position, single row, high barrier block, with
46 #8/32 slotted brass screws
 - 47 e. Isolated Neutral Buss: 24-position, solid copper bar with #10/32 slotted brass
48 screws.
 - 49 f. Ground Buss: 16-position (minimum), standard copper grounding buss bar
50 suitable for #14 through #4 cu.
 - 51 g. See Section 9-29.13(3)B4 for additional requirements

- 1 3. Blank aluminum spare panels shall be installed in the available space on the front left
2 side of the cabinet.
3

4 The Back Right (BKRT) side panel(s) shall contain the following:

- 5 1. BKRT/PS - Power strip convenience outlets as identified by these specifications.
6 Reference 9-29.13(3)C and 9-29.13(3)B5.
7 2. Additional blank panels are not required for vacant space in the back right side of the
8 cabinet.
9

10 The Front Right (FRRT) side panel(s) shall contain the following:

- 11 1. FRRT/PP - Power Panel
12 a. See Section 9-29.13(3)B5 for additional requirements
13 2. FRRT/CIP - Communication Interface Panel
14 a. See Section 9-29.13(3)B6 for additional requirements
15 3. Blank aluminum spare panels shall be installed in the available space on the front
16 right side of the cabinet.
17

18 **9-29.13(3)B1 Power Supply Interface Panel**

19 The power supply interface panel shall be mounted on the upper back left wall of the cabinet
20 above the top shelf. The power supply interface panel shall include terminations for all the
21 cabinet power supply inputs and outputs. It shall have a protective plastic cover.
22

23 **9-29.13(3)B2 SDLC Interface Panel**

24 All SDLC cables shall be terminated on both ends, securely terminated to the SDLC interface
25 panel with screw type connection and professionally routed in the cabinet interior to easily reach
26 the controller, malfunction management unit, BIUs. All SDLC connectors shall be fully
27 populated with 15 pins each. SDLC cables shall be tie wrapped in a neat and orderly way.
28

29 **9-29.13(3)B3 Video Detection Interface Panel**

30 The video detection interface panel shall be the single point interface for video power and coax
31 cabling. The panel shall have (6) individual 1 amp circuit breakers so that individual cameras
32 can be replaced in the field without disrupting the entire video detection system, a (10) position
33 terminal block with #8/32 screws to provide termination for 120VAC and camera 120AC line and
34 copper neutral and ground buss bars with raised slotted & torque style screws.
35

36 A coax surge arrestor shall be installed for each coax based video detection camera identified in
37 the project plans and specifications. The coax surge arrestor shall meet or exceed the
38 manufacturer's recommendations for the cameras installed. Surge arrestors are not required to
39 be installed in the cabinet when a coax based detection system is not identified in the plans and
40 specifications.
41

42 **9-29.13(3)B4 Detection Panel**

43 The detection panel shall be mounted on the left side of the main cabinet compartment below
44 the bottom shelf. The detection panel shall support (32) channels of vehicle detection, (4)
45 channels of emergency vehicle preemption, (4) channels or pedestrian detection with (2)
46 terminal screws per channel and (8) pedestrian returns on a single panel. The pedestrian call
47 terminal block shall be (2) single row terminals. They shall be connected by removable buss
48 bars. The loop wires shall be a 22AWG twisted pair. One of the twisted pair wires of all colors
49 shall have a white tracer and land on the second position terminal of each loop. The emergency

1 preempt wires shall be color coded as follows. +24VDC orange, preempt inputs yellow and
2 ground blue. The auxiliary vehicle preemption shall be white with a yellow tracer.

3
4 The panel shall also include a (24) position solid copper neutral buss bar with pan head slotted
5 screws and a (16) position minimum solid copper ground buss bar with raised slotted & torque
6 style screws. They shall be mounted horizontally at the bottom of the panel.

7 8 **9-29.13(3)B5 Power Panel**

9 The power panel shall handle all the power distribution and protection for the cabinet and shall
10 be mounted in the bottom right side of the cabinet. All equipment shall be mounted on an
11 appropriately sized silkscreened aluminum panel and include at a minimum the following
12 equipment:

- 13 1. A 30-amp main breaker shall be supplied. This breaker shall supply power to the
14 load bay, load switches, controller, MMU, power supply, detector racks, power strip
15 and auxiliary panels.
- 16 2. A 15-amp auxiliary breaker shall supply power to the fan, cabinet lights and GFI.
- 17 3. A 60-amp, 125 VAC radio interference line filter.
- 18 4. Power panel shall include a two-stage, electrically isolated transient voltage
19 suppressor capable of dissipating a high energy surge of 20KA (8x20 microsecond
20 pulses) while clamping the output voltage to 340 volts or less. Isolation shall be
21 provided between the neutral and ground connections. Power to all cabinet
22 electronics equipment and power strip shall come through this surge suppression
23 circuit. There shall be a 2-position terminal block with slotted #10/32 slotted brass
24 screws on the power panel, between the power strip mounted in the cabinet and the
25 transient voltage suppressor for easy replacement.
- 26 5. A normally open, solid state relay rated for 50-amp minimum for the load switch
27 power. (No Mercury Contactors shall be allowed.)
- 28 6. One see-through Plexiglas cover on stand-offs to protect maintenance personnel
29 from AC line voltages. This shall be removable by loosening screws but without
30 removing screws.
- 31 7. One (1) 24-position solid copper neutral buss bar with slotted #10/32 slotted brass
32 screws
- 33 8. Minimum 24-position, standard solid copper ground buss bars with raised slotted &
34 torque style screw heads suitable for #14 through #4 cu.
- 35 9. Two MOVs shall be terminated on the 120AC in field terminal. One tied between line
36 and ground, the other between neutral and ground.
- 37 10. Line side AC Power Terminal, 3-position, double row. Power Terminal shall be a
38 dead-front type rated at a minimum of 300V, 50 amp and suitable for #6 cu.
- 39 11. The neutral buss bar, the ground buss bar, and the line side power terminal shall be
40 installed at the bottom of the power panel. The buss bars shall be installed
41 horizontally and the terminal shall be installed with the same orientation such that the
42 wires coming into the cabinet can be easily connected from the bottom of the
43 cabinet.

44
45 All circuit breakers shall be Siemens, Square D, GE, Eaton/Cutler Hammer, or Engineer
46 approved equal.

1 **9-29.13(3)B6 Communication Interface Panel**

2 There shall be (2) 12-position, double row, high barrier terminal blocks, with #6/32 slotted brass
3 screws on the left bottom side of the spare panel on the right side wall of the cabinet.
4

5 **9-29.13(3)B7 Fiberoptic Termination Panel**

6 The cabinet shall come with a 12 port wall mounted fiberoptic termination panel suitable for an
7 outdoor enclosure. Dimensions shall be 10-inches wide, 5.12-inches high and 3.25-inches
8 deep. Capacity shall be two plates, up to 48 fibers. Material shall be heavy gauge steel.
9

10 Two coupler plate connectors shall be provided meeting the following requirements:

- 11 • Connector family shall be single-mode SC
- 12 • Fibers per connector shall be Duplex
- 13 • Connector Type/Polish shall be APC
- 14 • Material shall be Metal
- 15 • Number of Couplers shall be 6 each.

16
17 Panel shall come with appropriate compatible splice trays, and cable clamps.
18

19 **9-29.13(3)C Convenience Outlets**

20 The cabinet shall be wired with (1) 120 VAC convenience outlet with a ground fault interrupter
21 (GFI) and (1) 120 VAC power strip without ground fault interrupters. The ground fault outlet
22 (GFI) shall be mounted on the right side of the main compartment on or near the power panel.
23 The power strip shall be near the top shelf of the main compartment in the upper left corner of
24 the cabinet and the wiring shall be neatly secured. No outlets shall be mounted on the door.
25 The non-GFI power strip shall be on a separate circuit from the GFI outlet, and provide a
26 minimum of six (6) outlets. The power strip shall be fed through the transient voltage suppressor
27 located on the cabinet power panel. There shall be a 2-position terminal block on the power
28 panel, between the power strip and the transient voltage suppressor for easy replacement.
29

30 **9-29.13(3)D Cabinet Illumination**

31 Two LED light strips shall be provided for cabinet illumination. One shall be mounted to the top
32 front of the cabinet interior, and shall be rated at a minimum of 475 lumens. A second LED light
33 to illuminate the load bay area and shall be mounted below the rollout drawer (computer shelf),
34 and shall be rated at a minimum of 240 lumens. The light shall be attached so that it remains
35 stationary when the drawer is extended. A door switch shall be wired so as to allow both lights
36 to operate only when the door is open.
37

38 **9-29.13(3)E Generator Bypass Compartment and Cable**

39 Inside the generator compartment there shall be a silkscreened panel housing:

- 40 1. 30A / 125V flanged inlet receptacle capable of accepting a standard 30 amp
41 generator plug. The receptacle shall be appropriate for an extra heavy duty
42 industrial application meeting the following requirements:
 - 43 a. Backwired terminations for ease of installation
 - 44 b. NEMA L5-30P
 - 45 c. Listed to UL 498
 - 46 d. Fed Spec: W-C-596
 - 47 e. Certified to CSA C22.2 No. 42
 - 48 f. Housing/Flange: Nylon
 - 49 g. Terminal Retainer: Clear Polycarbonate
 - 50 h. Blades: Brass

- 1 i. Terminal Screws: #10-32 Brass (Phillips / Slotted / Robertson)
- 2 j. Terminal Clamp: Cold Rolled Steel – nickel plated
- 3 k. Assembly Screws: Steel - nickel plated
- 4 l. Mounting Screw: Nickel plated brass
- 5 m. Electrical: Current Interrupting Certified for current interrupting at full rated
- 6 current
- 7 n. Dielectric Voltage: Withstands 2,000V minimum
- 8 o. Mechanical: Cord Grip Accomodation #16 AWG - #8 AWG solid or stranded
- 9 copper wire only.
- 10 p. Terminal Identification: In accordance with UL 498
- 11 q. Flammability: HB or better per UL94/CSA 22.2 No.0.17
- 12 r. Moisture Resistance: IP20 Suitability
- 13 s. Operating Temperatures: Maximum Continuous 75°C. Minimum -40°C (w/o
- 14 impact)
- 15
- 16 2. A 50A, 2 pole, 4 contact cam switch with split 120VAC line and neutral feeds. The
- 17 switch shall be a break before make type.
- 18 3. (2) LED lamps with sockets. One LED shall be illuminated when the cabinet has
- 19 service line power available and the other when the cabinet has generator power
- 20 available. All LED's shall be field replaceable without putting the intersection in flash
- 21 and shall carry a 5 year manufacturer warranty.
- 22

23 All wiring to the generator bypass compartment shall be contained in a single cable bundle. The
24 cable shall connect to the backside of the electrical components and shall only be accessible
25 from the inside of the cabinet front door. All electrical components on the inside of the front door
26 that carry AC voltage shall be covered by a see-through plexi-glass cover. The generator
27 bypass cable shall terminate at the same power panel location as service line voltage.
28

29 **9-29.13(3)F Police Panel**

30 Behind the police panel door there shall be switches for use by emergency personnel. The
31 wiring for these switches shall be accessible when the auxiliary panel is open.
32

33 The following switches shall be included:

- 34 1. **Flash Switch:** There shall be a switch for the police that puts the cabinet into flashing
35 operations. The switch shall have two positions, "Auto" (up) and "Flash" (down). The
36 "Auto" position shall allow normal signal operation. The "Flash" position shall
37 immediately cause all signal displays to flash as programmed for emergency flash and
38 apply stop time to the controller. When the police flash switch is returned to "Auto", the
39 controller shall restart except when the MMU has commanded flash operation. The
40 effect shall be to disable the police panel switch when the MMU has detected a
41 malfunction and all controller and MMU indications shall be available to the technician
42 regardless of the position of the police flash switch. The switch shall be a general-
43 purpose bat style toggle switch with 0.688-inch long bat.
- 44 2. **Signals On/Off Switch:** There shall be a switch that renders the field signal displays
45 electrically dead while maintaining controller operation for purpose of monitoring
46 controller operations. The switch shall be a general-purpose bat style toggle switch with
47 0.688-inch long bat.

48

1 **9-29.13(3)G Auxiliary Switch Panel**

2 The cabinet shall include an auxiliary switch panel mounted to the interior side of the police
3 panel compartment on the cabinet front door. The panel shall be secured to the police panel
4 compartment by (2) Philips head screws and shall be hinged at the bottom to allow access to
5 the soldered side of the switches. Both sides of the panel shall be silkscreened. All of the
6 switches shall be protected by a hinged see-through Plexiglas cover.

7
8 The following switches shall be included:

- 9 1. **Controller ON/OFF Switch:** There shall be a switch that renders the controller and
10 load-switching devices electrically dead while maintaining flashing operations for
11 purpose of changing the controller or load-switching devices. The switch shall be a
12 general-purpose bat style toggle switch with 0.688-inch long bat.
- 13 2. **Signals ON/OFF Switch:** There shall be a switch that renders the field signal displays
14 electrically dead while maintaining controller operation for purpose of monitoring
15 controller operations. The switch shall be a general-purpose bat style toggle switch with
16 0.688-inch long bat.
- 17 3. **Stop Time Switch:** There shall be a 3-position switch labeled “Normal” (up), “Off”
18 (center), and “On” (down). With the switch in the “Normal” position, a stop timing
19 command shall be applied to the controller by the police flash switch or the MMU
20 (Malfunction Management Unit). When the switch is in its “Off” position, stop timing
21 commands shall be removed from the controller. The “On” position shall cause the
22 controller to stop time. The switch shall be a general-purpose bat style toggle switch with
23 0.688-inch long bat.
- 24 4. **Technician Flash Switch:** There shall be a switch that places the field signal displays in
25 flashing operation while the controller continues to operate. This flash shall have no
26 effect on the operation of the controller or MMU. The switch shall be a general-purpose
27 bat style toggle switch with 0.688-inch long bat.
- 28 5. **Light Switch:** There shall be a switch that turns cabinet lighting off with the main door
29 open. The switch shall be a general-purpose bat style toggle switch with 0.688-inch long
30 bat.

31
32 **9-29.13(4) Auxiliary Equipment**

33
34 **9-29.13(4)A Traffic Signal Controller**

35 Traffic Signal Controller shall be a Siemens Controller, EPAC M62 with an ATC
36 Communications Module. The CPU operating system shall be Linux. The Contractor shall
37 contact the City of Tacoma Traffic Signal Shop at 253-491-5287 to obtain the current firmware
38 version to be utilized.

39
40 **9-29.13(4)B Malfunction Management Unit (MMU)**

41 The cabinet shall come with a Malfunction Management Unit (MMU). The cabinet shall come
42 with a (MMU) that meets all the requirements of NEMA TS2-2003 while remaining downward
43 compatible with NEMA TS1. It shall have (2) high contrast LCD displays and an internal
44 diagnostic wizard. It shall come with a 10/100 Ethernet port. It shall come with software to run
45 flashing yellow arrow operation. The MMU shall be an Eberle Design, Inc. (EDI) model MMU2-
46 16LEip. Contractor shall provide a compatible TS2 program card onboard memory.

1 **9-29.13(4)C Load Switches**

2 Modular solid state relay cube-type load switching assemblies, in accordance with the latest
3 NEMA TS 2 Standards, shall be used for opening and closing signal light circuits and shall be
4 jack-mounted external to the controller unit. Indicator lights shall be connected to input circuits.
5 Load switches shall be rated at fifteen (15) amps per circuit. Each cabinet shall contain twelve
6 (12) load switches.
7

8 **9-29.13(4)D NEMA Flasher**

9 The flasher shall be solid state, two circuit with a minimum current rating of fifteen (15) amps per
10 circuit. The flasher shall be cube type and have LED indications.
11

12 **9-29.13(4)E Flasher Transfer Relay**

13 The cabinet shall come with (6) 120V NEMA heavy duty flash transfer relays designed for use in
14 traffic signal cabinets. Flash transfer relays shall meet the following requirements:

- 15 • Contacts
 - 16 ○ Configuration: DPDT
 - 17 ○ Materials: 3/8" Silver Cadmium Oxide
 - 18 ○ Contact Ratings: Tungsten Load Rating 20 Amps at 120 VAC (2.4 KW)
- 19 • Coils
 - 20 ○ Nominal Input Voltage: 110/120 VAC 50/60 Hz
 - 21 ○ Nominal Coil Power: 7.0 VA
 - 22 ○ Coil Resistance: 970 Ohms +/-10%
 - 23 ○ Coil Insulation: Molded class F
 - 24 ○ Insulation Resistance: 100 Megaohms minimum
- 25 • Operation:
 - 26 ○ Pull-In voltage: $\leq 75\%$ of nominal voltage
 - 27 ○ Drop-Out voltage: $\geq 30\%$ of nominal voltage
 - 28 ○ Operate Time: 20 ms. approx.
 - 29 ○ Release Time: 20 ms. approx.
 - 30 ○ Operating Temperature: Ambient: -40°C to +65°C
 - 31 ○ Expected Life:
 - 32 ■ Electrical: 200,000 operations min. @ rated load
 - 33 ■ Mechanical: 5,000,000 operations min. @ no load
 - 34 ○ Dielectric Strength:
 - 35 ■ Across Open Contacts: 1200 VRMS
 - 36 ■ Contacts to Coil: 2200 VRMS
 - 37 ■ Contacts to Frame: 2200 VRMS
 - 38 ■ Pole to Pole: 2200 VRMS
- 39 • Mechanical Data:
 - 40 ○ Operating Position: Any
 - 41 ○ Mounting: NEMA 8 pin socket
 - 42 ○ Terminals: 0.250" x 0.055" (6.35 mm x 1.40 mm)
 - 43 ○ Insulation Material: Thermoplastic 94V-2 rating
 - 44 ○ Cover Material: Clear Polycarbonate 94V-2 Rating
 - 45 ○ Cover Protection Category: 40 IP rating
 - 46 ○ Expected Life:
 - 47 ■ Electrical at Rated Load (Min.) 100,000 Operations
 - 48 ■ Mechanical Life 10,000,000 Operations
 - 49 ○ Dielectric Strength:
 - 50 ■ Between Contacts: 1200 VRMS, 60 Hz
 - 51 ■ Between Other Elements 2200 VRMS, 60 Hz

1 **9-29.13(4)F Loop Detector Card Rack**

2 Two (2) fully wired 8-position card racks, shall be installed. Detector racks shall be capable of
3 using both two channel and four channel detection devices. One of the card racks shall also
4 have the additional capacity and be fully wired for an Opticom Model 760 Card. Racks shall be
5 secured to the detector shelf as far to the right as possible within the cabinet in such a manner
6 as to afford easy access for maintenance, without interfering with access to any of the ports.
7 The racks shall accommodate 4.5 inch high, 6.875 inch long, 1.12 inch wide two channel, two
8 output per channel detector modules. Connectors shall be 44 contacts (22 each side) spaced on
9 0.156" centers. Each rack shall be provided with a bus interface unit (BIU). These shall meet all
10 the requirements of NEMA TS-2 1988 standards. In addition, all BIUs shall provide separate
11 front panel indicator LED's for DC power status and SDLC Port 1 transmit and receive status.
12

13 The (BIU)'s shall be Eberle Design, Inc. model BIU-700, Econolite model BIU-64, Reno A&E
14 model BIU/2, or Engineer approved equal.
15

16 The loop cabling shall be connected via a 37 pin DB connector using spring clips. The Opticom
17 cable shall be connected via a 24 pin connector using locking latches. The power cable shall be
18 a 6 pin connector. All power wires shall be 18AWG. The addressing of detector racks shall be
19 accomplished via dipswitches mounted to the PCB. There shall be the capability to turn off the
20 TS2 status to the BIU for the uses of TS1 detector equipment via dipswitches mounted to the
21 PCB. There shall be a 34 pin connector using locking latches that breaks the output from the
22 detector to the input of the BIU, there shall also be +24VDC and logic ground on this connector.
23 All racks shall have space at the bottom front for labeling. All racks shall be designed for
24 horizontal stacking. Separate racks for detection and preemption are not allowed.
25

26 **9-29.13(4)G Detector Power Supply**

27 The cabinet shall come with a shelf mounted cabinet power supply meeting at minimum NEMA
28 TS 2-2003 (R2008) standards. It shall be a heavy duty device that provides +12VDC at 5 Amps
29 / +24VDC at 3 Amps / 12VAC at 0.25 Amp, and line frequency reference at 50 mA. The power
30 supply shall provide a separate front panel indicator LED for each of the four outputs. Front
31 panel banana jack test points for 12VDC, 24VDC, and logic ground shall also be provided. The
32 power supply shall provide 5A of power and be able to cover the load of four (4) complete
33 detector racks.
34

35 **9-29.13(4)H Ethernet over Copper Switch**

36 Ethernet over Copper Switch shall be Actelis ML 684D with two SFP-LC ports, unless otherwise
37 specified. A standard 110 VAC power adapter, a DSL-Octal Cable 2xRJ45, and a minimum 6'
38 Ethernet patch cable shall be provided with each. Two (2) SFP Optics 100Base-FX SM,
39 1310NM, 15KM, LC fiber optic units shall be provided with each Switch.
40

41 **9-29.13(4)I Uninterruptable Power System (UPS)**

42 The cabinet shall come with a complete uninterruptable power system (UPS), also referred to as
43 a Batter Backup System (BBS). The UPS shall include at a minimum a UPS module with
44 SNMP, ATS assembly, batteries, battery heater mats, battery cables and a battery management
45 system. All other ancillary equipment for a complete functioning UPS system shall be included.
46

47 The key UPS system components are identified in the subsection below.
48

1 **9-29.13(4)I1 UPS Module**

2 The cabinet shall come with (1) FXM 1100W uninterruptible power supply or approved
3 equivalent that supplies clean reliable power control and management. It shall have Automatic
4 Voltage Regulation (AVR), an Ethernet SNMP interface and a control and power connection
5 panel that is rotatable for viewing in any vertical or horizontal orientation. It shall have nominal
6 dimensions of 5.22" x 15.5" x 8.75" and come with mounting brackets. The UPS module shall be
7 an Alpha model 017-201-23 or approved equivalent.
8

9 **9-29.13(4)I2 UATS/UGTS Assembly**

10 The cabinet shall come with (1) universal automatic transfer switch and universal generator
11 transfer switch connected between the UPS module and the batteries. It shall have surge
12 protection, have dimensions of 3.25" x 15.5" x 6.00" and come with mounting brackets. The ATS
13 module shall be an Alpha model 020-168-25 or approved equivalent.
14

15 **9-29.13(4)I3 UPS Batteries**

16 The cabinet shall come with (4) high performance Absorbed Glass Mat (AGM) AlphaCell™
17 batteries with 112Ah runtime. The BBS batteries shall be Alpha model 240XTV or equivalent.
18

19 **9-29.13(4)I4 UPS Battery Harness**

20 The cabinet shall come with (1) battery cable (10) foot long wired for (4) batteries. The battery
21 harness shall be Alpha model 740-678-27 or equivalent.
22

23 **9-29.13(4)I5 Battery Management System**

24 The cabinet shall come with AlphaGuard™ battery charge management system Alpha model
25 012-306-21 or approved equivalent.
26

27 **9-29.13(4)J Preemption/Priority Equipment**

28 The cabinet shall come with (1) 4-channel rack mounted Opticom™ phase selector. This device
29 shall be capable of receiving encoded signals from Opticom series 700 emitters and detectors.
30 The Opticom™ phase selectors shall be Global Traffic Technologies model 764 or equivalent.
31

32 **9-29.13(5) Manufacturer Testing and Certification**

33 The complete cabinet assembly with electronics shall undergo complete input/output function
34 testing by the manufacturer before being released to the City of Tacoma.. Testing shall be done
35 via service feed to the 120VAC field terminal. Service power shall be routed through the
36 generator bypass switch, UPS inverter before being connected to the power panel so that all
37 service load circuits are tested.
38

39 If the cabinet specified comes with a UPS system (BBS) and batteries; the entire controller
40 cabinet assembly shall undergo a BBS field test procedure where the cabinet is run off battery
41 power for a minimum of one hour.
42

43 **9-29.16 Vehicular Signal Heads, Displays, and Housing**

44 **9-29.16(2)B Signal Housing**

45 *The second paragraph is supplemented with the following:*
46

47
48 The door shall open a minimum of 160 degrees.
49
50

1 *The third paragraph is supplemented with the following:*
2

3 The sections shall be held firmly together by corrosion-resistant hardware in such a manner that
4 additional sections may be added easily.
5

6 *The fourth paragraph is supplemented with the following:*
7

8 The terminal strip for a standard three-section head shall be a minimum five-position, ten-
9 terminal, barrier-type strip with No. 8 screw-type fasteners. To one side of each terminal shall
10 be attached the white, red, yellow and green signal section leads, leaving the opposite terminal
11 for field wires. Multi-section heads shall be provided with a terminal strip located in the yellow
12 (center) section. Lead shall be No. 18 AWG type with 1/32-inch wall, 105-1/4 centigrade
13 thermoplastic insulation.
14

15 **9-29.16(3) Polycarbonate Traffic Signal Heads**

16 *This section is deleted.*
17

18 **9-29.17 Signal Head Mounting Brackets and Fittings**

19 *This section is revised to read:*
20

21 Vehicle and pedestrian signal heads shall be as detailed in the standard plans.
22

23 Span wire vehicle signal hanger hardware shall consist of span wire clamp, balance adjuster,
24 wire entrance fitting and vehicle head locking device.
25

26 A. Construction

- 27 1. Bronze hangers are required.
- 28 2. The minimum size of pins shall be 5/8-inch diameter. Pins shall be stainless steel.
- 29 3. The minimum size of the 'J' or 'U' cable clamps is 1/2-inch diameter. Cable clamp
30 bolts shall be stainless steel. Clamping insert shall be used.
- 31 4. The cable saddle shall be at least 9 inches long.
- 32 5. All cotter pins shall be brass and washers shall be stainless steel.
- 33 6. All hardware shall be of stainless steel, bronze or brass materials.
- 34 7. Signal stem shall be locked with a square headed set screw 1/4-inch minimum in
35 diameter.
- 36 8. Wire entrance shall be a minimum of 1-1/4-inch diameter and shall have a female
37 threaded base for nipple.
- 38 9. The balance adjuster directional lock shall be of the clamping type with 1/2-inch
39 through bolt for locking. No set screw or lock nut acceptable.
- 40 10. All stems shall be secured to signal head with proper lock fitting.
41

42 Vehicle signal heads attached to a mast arm shall use a type M mounting bracket as detailed in
43 the standard plans and in accordance with Section 8-20.3(14)B and Section 9-29.17.
44

45 **9-29.18 Vehicle Detector**

46 *This section is supplemented with the following:*

47 Unless otherwise specified in the contract plans, the vehicle detection system provided shall be
48 a Gridsmart detection system with the performance and pedestrian modules included.
49
50

1 **9-29.18(3) Gridsmart Detection System**

2 The Gridsmart system provided shall provide all necessary components required in order to fully
3 install, setup, test, operate and maintain a fully functional detection system, including, but not
4 limited to, the following components:

- 5
6 1. Gridsmart Power over Ethernet Bell Camera(s)
7 2. GS2 Gridsmart Processor with the following Modules:
8 (1) Performance Module
9 (2) Pedestrian Module
10 3. Mounting Hardware
11 4. Connection Cables

12 Unless otherwise identified in the project plans, one Bell Camera is required for each
13 intersection. Additional cameras may be required, and will be identified in the project plans
14 when two or more major arterials intersect, or where sight lines require additional cameras.
15 Changes to the intersection layout, or camera locations may require additional cameras for
16 proper functionality. Field adjustments to the camera location shall not be permitted without
17 approval from the Engineer.

18 All mounting hardware and cabling shall meet the manufacturer's recommendations, unless
19 otherwise specified herein.
20

21 **9-29.19 Pedestrian Push Buttons**

22 *This section is supplemented with the following:*

23
24 Pushbutton systems shall be fully compliant with Accessible Pedestrian System requirements
25 as defined by the American with Disabilities Act. Pushbutton systems shall be two wire systems
26 (four wire systems shall not be permitted).
27

28 Unless otherwise specified, the pedestrian push button central control unit shall be Polara shelf
29 mount control unit capable of communication through a SDLC cable (Polara Model iCCU-S).
30

31 Push buttons stations shall be Polara - iN2 series with the following options:

- 32 1. 9x12 Front Plate Adapter
33 2. 9x12 Faceplate compliant with MUTCD R10-3b
34 3. No braille on Face Plate
35 4. Custom Messages
36 5. Black Button Cover
37

38 Extenders may be required for locations where the APS buttons are not within an acceptable
39 reach. Extenders or adapters may be required to accommodate the size of the faceplates for
40 locations where two pushbuttons are mounted to the same pole.
41

42 **9-29.20 Pedestrian Signals**

43 *This section is supplemented with the following:*

44
45 All pedestrian signals housings shall be die-cast aluminum.
46
47

1 *The Vacant Section 9-29.22 is replaced with the following:*

2
3 **9-29.22 Preemption Hardware**

4
5 Preemption Hardware shall be Opticom TM Model 721 unless otherwise specified.

6
7 **9-29.24 Service Cabinets**

8 *This section is supplemented with the following:*

9
10 Service cabinets shall be pole mounted, exterior NEMA 3R Rated with a bolt on HUB for top
11 entry. Cabinet shall be a maximum 10 inches wide, 14 inches high, and 5 inches deep.

12
13 Load Center shall have between 100 and 150 Amps, with capacity for 6 spaces and 12 circuits,
14 or 8 spaces and 16 circuits as required by Code.

15
16 Service panels shall be Square D – QO Series

17
18 **9-29.24(2) Electrical Circuit Breakers and Contactors**

19 *The first paragraph is supplemented with the following:*

20
21 Mercury relays shall not be accepted. Contactors shall be one of the following brands:

- 22 1. Square D
- 23 2. Siemens
- 24 3. Eaton/Cutler Hammer
- 25 4. Engineer Approved Equal

26
27 *The second paragraph is deleted.*

28
29 *The third sentence of the third paragraph is deleted.*

30
31 *The third paragraph is supplemented with the following:*

32
33 All service panel breakers shall be one of the following brands/series

- 34 1. Square D – QO Series
- 35 2. Siemens – Type BL
- 36 3. Eaton/Cutler Hammer – Quick Lag Type BA
- 37 4. Engineer approved Equal

38
39 All surface mount breakers shall be one of the following Brands/Series:

- 40 1. Square D (Type QOU)
- 41 2. Siemens
- 42 3. Eaton/Cutler Hammer
- 43 4. General Electric
- 44 5. Engineer approved Equal

45
46
47 **END OF SECTION**

48
49 **END OF SPECIAL PROVISIONS**

50

1 **(January 9, 2023)**
2 **Standard Plans**

3 The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01,
4 effective September 30, 2022, is made a part of this contract.

5
6 The Standard Plans are revised as follows:

7
8 A-10.30

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

11
12 INSTALLATION detail, SECTION A: The "1/4" callout is revised to read "+/- 1/4" (SEE
13 CONTRACT ~ Note: The + 1/4" installation is shown in the Section A view)"

14
15 B-90.40

16 Valve Detail – DELETED

17
18 C-8

19 DELETED

20
21 C-8A

22 DELETED

23
24 C-20.42

25 Plan View (Case 22A-31), callout, was; "BEAM GUARDRAIL ANCHOR TYPE 10 PAY
26 LIMIT" is revised to read; "BEAM GUARDRAIL ANCHOR TYPE 11 PAY LIMIT"

27
28 C-23.60

29 DELETED

30
31 C-23.70

32 Sheet 1, Detail A, callout, was – "EIGHT 5/8" x 1/2" (IN) BOLTS W/ HEX NUTS AND
33 WASHERS (SEE NOTE 5)" is revised to read: "EIGHT 5/8" x 1-1/2" (IN) BOLTS W/ HEX
34 NUTS AND WASHERS (SEE NOTE 5)".

35 Sheet 2, ANCHOR RAIL ELEMENT DETAIL and associated Enlarged Detail, 3/4" Diameter
36 hole pattern (8 holes), callout, "3/4" DIAMETER HOLE (TYP.)" is revised to read: "29/32" x
37 1 1/8" (IN) SLOT (TYP.)"

38
39 D-2.04

40 DELETED

41
42 D-2.06

43 DELETED

44
45 D-2.08

46 DELETED

47
48 D-2.32

49 DELETED

50

1 D-2.34
2 DELETED

3
4 D-2.60
5 DELETED

6
7 D-2.62
8 DELETED

9
10 D-2.64
11 DELETED

12
13 D-2.66
14 DELETED

15
16 D-2.68
17 DELETED

18
19 D-2.80
20 DELETED

21
22 D-2.88
23 DELETED

24
25 D-3.15
26 DELETED

27
28 D-3.16
29 DELETED

30
31 D-3.17
32 DELETED

33
34 D-3.10

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

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

42
43 D-3.11

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

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

1
2 D-10.10

3 Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
4 barriers attached on top of the wall are considered non-standard and shall be designed in
5 accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated
6 in the 11/3/15 Bridge Design memorandum.
7

8 D-10.15

9 Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
10 barriers attached on top of the wall are considered non-standard and shall be designed in
11 accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge
12 Design memorandum.
13

14 D-10.30

15 Wall Type 5 may be used in all cases.
16

17 D-10.35

18 Wall Type 6 may be used in all cases.
19

20 D-10.40

21 Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
22 barriers attached on top of the wall are considered non-standard and shall be designed in
23 accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge
24 Design memorandum.
25

26 D-10.45

27 Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
28 barriers attached on top of the wall are considered non-standard and shall be designed in
29 accordance with the current WSDOT BDM and the revisions stated in the revisions stated
30 in the 11/3/15 Bridge Design memorandum.
31

32 D-15.10

33 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
34 withdrawn. Special designs in accordance with the current WSDOT BDM are required in
35 place of these STD Plans.
36

37 D-15.20

38 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
39 withdrawn. Special designs in accordance with the current WSDOT BDM are required in
40 place of these STD Plans.
41

42 D-15.30

43 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
44 withdrawn. Special designs in accordance with the current WSDOT BDM are required in
45 place of these STD Plans.
46

47 F-10.18

48 Note 2, "Region Traffic engineer approval is needed to install a truck apron lower than 3". -
49 DELETED
50

51 J-10.10

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

8 J-10.16

9 Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14
10

11 J-10.17

12 Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14
13

14 J-10.18

15 Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14
16

17 J-20.10

18 Elevation View, horizontal dimension to edge of sidewalk 10" (IN) OR LESS DESIRABLE ~
19 18" (IN) MAXIMUM is revised to read: "10" (IN) MAXIMUM"
20

21 J-20.26

22 Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton
23 post."
24

25 J-20.16

26 View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE
27

28 J-21.10

29 Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – "ANCHOR BOLTS ~
30 ¾" (IN) x 30" (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY" IS REVISED TO
31 READ: "ANCHOR BOLTS ~ ¾" (IN) x 30" (IN) FULL THREAD ~ FOUR REQ'D. PER
32 ASSEMBLY"

33 Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of
34 the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR.. Delete "(TYP.)" from the
35 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4
36 reinf. Bar.

37 Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of
38 the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the
39 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4
40 reinf. Bar.

41 Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of
42 the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the
43 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4
44 reinf. Bar.

45 Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of
46 the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the
47 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4
48 reinf. Bar.

49 Detail F, callout, "Heavy Hex Clamping Bolt (TYP.) ~ ¾" (IN) Diam. Torque Clamping Bolts
50 (see Note 3)" is revised to read; "Heavy Hex Clamping Bolt (TYP.) ~ ¾" (IN) Diam. Torque
51 Clamping Bolts (see Note 1)"

1 Detail F, callout, "3/4" (IN) x 2' – 6" Anchor Bolt (TYP.) ~ Four Required (See Note 4)" is
2 revised to read; "3/4" (IN) x 2' – 6" Anchor Bolt (TYP.) ~ Three Required (See Note 2)"
3

4 J-21.15

5 Partial View, callout, was – LOCK NIPPLE ~ 1 1/2" DIAM., is revised to read; CHASE
6 NIPPLE ~ 1 1/2" (IN) DIAM.
7

8 J-21.16

9 Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE
10

11 J-22.15

12 Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0"
13 (2x) Detail A, callout, was – LOCK NIPPLE ~ 1 1/2" DIAM. is revised to read; CHASE
14 NIPPLE ~ 1 1/2" (IN) DIAM.
15

16 J-40.10

17 Sheet 2 of 2, Detail F, callout, "12 – 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 12" S. S.
18 FLAT WASHER" is revised to read; "12 – 13 x 1 1/2" S.S. PENTA HEAD BOLT AND 1/2" (IN)
19 S. S. FLAT WASHER"
20

21 J-40.36

22 Note 1, second sentence; "Finish shall be # 2B for backbox and # 4 for the cover." Is
23 revised to read; "Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and
24 Pickled) for the cover.
25

26 J-40.37

27 Note 1, second sentence; "Finish shall be # 2B for backbox and # 4 for the cover." Is
28 revised to read; "Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and
29 Pickled) for the cover.
30

31 J-75.20

32 Key Notes, note 16, second bullet point, was: "1/2" (IN) x 0.45" (IN) Stainless Steel Bands",
33 add the following to the end of the note: "Alternate: Stainless steel cable with stainless steel
34 ends, nuts, bolts, and washers may be used in place of stainless steel bands and
35 associated hardware."
36

37 J-75.41

38 DELETED
39

40 J-75.55

41 Notes, Note A1, Revise reference, was – G-90.29, should be – G-90.20.
42

43 K-80.20

44 DELETED
45

46 L-5.10

47 Sheet 2, Typical Elevation, callout - "2' – 0" MIN. LAP SPLICE BETWEEN (mark) A #3 BAR
48 AND WALL REINFORCEMENT ~ TYPICAL" is revised to read: "2' – 0" MIN. LAP SPLICE
49 BETWEEN (MARK) A #4 BAR AND WALL REINFORCEMENT ~ TYPICAL"

1 Section C, callout; “(mark) A #3” is revised to read: “(mark) A #4”, callout - “(mark) B #3” is
2 revised to read: “(mark) B #4”, callout - “(mark) C #3 TIE” is revised to read: “(mark) C #4
3 TIE”

4 Reinforcing Steel Bending Diagram, (mark) B detail, callout – “128 deg.” is revised to read:
5 “123 deg.”, callout – “51 deg.” is revised to read: “57 deg.”
6

7 The following are the Standard Plan numbers applicable at the time this project was
8 advertised. The date shown with each plan number is the publication approval date shown
9 in the lower right-hand corner of that plan. Standard Plans showing different dates shall not
10 be used in this contract.
11

A-10.10-00.....8/7/07	A-30.35-00.....10/12/07	A-50.10-01.....8/17/21
A-10.20-00.....10/5/07	A-40.00-01.....7/6/22	A-50.40-01.....8/17/21
A-10.30-00.....10/5/07	A-40.10-04.....7/31/19	A-60.10-03.....12/23/14
A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.20-03.....12/23/14
A-30.10-00.....11/8/07	A-40.20-04.....1/18/17	A-60.30-01.....6/28/18
A-30.30-01.....6/16/11	A-40.50-02.....12/23/14	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-30.70-04.....2/27/18	B-75.60-00.....6/8/06
B-10.20-02.....3/2/18	B-30.80-01.....2/27/18	B-80.20-00.....6/8/06
B-10.40-02.....8/17/21	B-30.90-02.....1/26/17	B-80.40-00.....6/1/06
B-10.70-02.....8/17/21	B-35.20-00.....6/8/06	B-85.10-01.....6/10/08
B-15.20-01.....2/7/12	B-35.40-00.....6/8/06	B-85.20-00.....6/1/06
B-15.40-01.....2/7/12	B-40.20-00.....6/1/06	B-85.30-00.....6/1/06
B-15.60-02.....1/26/17	B-40.40-02.....1/26/17	B-85.40-00.....6/8/06
B-20.20-02.....3/16/12	B-45.20-01.....7/11/17	B-85.50-01.....6/10/08
B-20.40-04.....2/27/18	B-45.40-01.....7/21/17	B-90.10-00.....6/8/06
B-20.60-03.....3/15/12	B-50.20-00.....6/1/06	B-90.20-00.....6/8/06
B-25.20-02.....2/27/18	B-55.20-03.....8/17/21	B-90.30-00.....6/8/06
B-25.60-02.....2/27/18	B-60.20-02.....9/9/20	B-90.40-01.....1/26/17
B-30.05-00.....9/9/20	B-60.40-01.....2/27/18	B-90.50-00.....6/8/06
B-30.10-03.....2/27/18	B-65.20-01.....4/26/12	B-95.20-02.....8/17/21
B-30.15-00.....2/27/18	B-65.40-00.....6/1/06	B-95.40-01.....6/28/18
B-30.20-04.....2/27/18	B-70.20-01.....3/15/22	
B-30.30-03.....2/27/18	B-70.60-01.....1/26/17	
B-30.40-03.....2/27/18		

C-1.....9/8/22	C-22.40-09.....9/8/22	C-60.70-01.....9/8/22
C-1b.....9/8/22	C-22.45-06.....9/8/22	C-60.80-01.....9/8/22
C-1d.....10/31/03	C-23.70-00.....8/22/22	C-70.15-00.....8/17/21
C-2c.....8/12/19	C-24.10-03.....7/24/22	C-70.10-03.....8/20/21
C-4f.....8/12/19	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-80.10-02.....9/16/20
C-20.10-08.....9/8/22	C-25.30-01.....8/20/21	C-80.20-01.....6/11/14
C-20.14-05.....9/8/22	C-25.80-05.....8/12/19	C-80.30-02.....8/20/21
C-20.15-02.....6/11/14	C-60.10-02.....9/8/22	C-80.40-01.....6/11/14
C-20.18-04.....9/8/22	C-60.15-00.....8/17/21	C-85.10-00.....4/8/12

C-20.40-09.....9/8/22	C-60.20-01.....9/8/22	C-85.11-01.....9/16/20
C-20.41-04.....8/22/22	C-60.30-01.....8/17/21	C-85.15-02.....8/27/21
C-20.42-05.....7/14/15	C-60.40-00.....8/17/21	C-85-18-03.....9/8/22
C-20.43-00.....8/22/22	C-60.45-00.....8/17/21	
C-20.45.03.....9/8/22	C-60.50-00.....8/17/21	
C-22.16-07.....9/16/20	C-60.60-00.....8/17/21	

1

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

2

E-1.....2/21/07	E-4.....8/27/03
E-2.....5/29/98	E-4a.....8/27/03

3

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-10.18-03.....3/28/22	F-30.10-04.....9/25/20	F-45.10-03.....8/13/21
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	

4

G-10.10-00.....9/20/07	G-26.10-00.....7/31/19
G-20.10-03.....8/20/21	G-30.10-04.....6/23/15
G-22.10-04.....6/28/18	G-50.10-03.....6/28/18
G-24.10-00.....11/8/07	G-90.10-03.....7/11/17
G-24.20-01.....2/7/12	G-90.20-05.....7/11/17
G-24.30-02.....6/28/18	G-90.30-04.....7/11/17
G-24.40-07.....6/28/18	G-95.10-02.....6/28/18
G-24.50-05.....8/7/19	G-95.20-03.....6/28/18
G-24.60-05.....6/28/18	G-95.30-03.....6/28/18
G-25.10-05.....9/16/20	

5

H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-02.....8/17/21
H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-02.....8/17/21
H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	

6

I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
I-30.10-02.....3/22/13	I-30.30-02.....6/12/19	I-50.20-02.....7/6/22
I-30.15-02.....3/22/13	I-30.40-02.....6/12/19	I-60.10-01.....6/10/13
I-30.16-01.....7/11/19	I-30.60-02.....6/12/19	I-60.20-01.....6/10/13
I-30.17-01.....6/12/19	I-40.10-00.....9/20/07	I-80.10-02.....7/15/16

7

J-05.50-00.....8/30/22	J-28.10-02.....8/7/19	J-50.25-00.....6/3/11
J-10.....7/18/97	J-28.22-00.....8/07/07	J-50.30-00.....6/3/11
J-10.10-04.....9/16/20	J-28.24-02.....9/16/20	J-60.05-01.....7/21/16
J-10.12-00.....9/16/20	J-28.26-01.....12/02/08	J-60.11-00.....5/20/13
J-10.14-00.....9/16/20	J-28.30-03.....6/11/14	J-60.12-00.....5/20/13
J-10.15-01.....6/11/14	J-28.40-02.....6/11/14	J-60.13-00.....6/16/10

J-10.16-02.....8/18/21	J-28.42-01.....6/11/14	J-60.14-01.....7/31/19
J-10.17-02.....8/18/21	J-28.43-01.....6/28/18	J-75.10-02.....7/10/15
J-10.18-02.....8/18/21	J-28.45-03.....7/21/16	J-75.20-01.....7/10/15
J-10.20-04.....8/18/21	J-28.50-03.....7/21/16	J-75.30-02.....7/10/15
J-10.21-02.....8/18/21	J-28.60-03.....8/27/21	J-75.50-00.....8/30/22
J-10.22-02.....8/18/21	J-28.70-04.....8/30/22	J-75.55-00.....8/30/22
J-10.25-00.....7/11/17	J-29.10-02.....8/26/22	J-80.05-00.....8/30/22
J-10.26-00.....8/30/22	J-29.15-01.....7/21/16	J-80.10-01.....8/18/21
J-12.15-00.....6/28/18	J-29.16-02.....7/21/16	J-80.12-00.....8/18/21
J-12.16-00.....6/28/18	J-30.10-01.....8/26/22	J-80.15-00.....6/28/18
J-15.10-01.....6/11/14	J-40.01-00.....8/30/22	J-81.10-02.....8/18/21
J-15.15-02.....7/10/15	J-40.05-00.....7/21/16	J-81.12-00.....9/3/21
J-20.01-00.....8/30/22	J-40.10-04.....4/28/16	J-84.05-00.....8/30/22
J-20.10-04.....7/31/19	J-40.20-03.....4/28/16	J-86.10-00.....6/28/18
J-20.11-03.....7/31/19	J-40.30-04.....4/28/16	J-90.10-03.....6/28/18
J-20.15-03.....6/30/14	J-40.35-01.....5/29/13	J-90.20-03.....6/28/18
J-20.16-02.....6/30/14	J-40.36-02.....7/21/17	J-90.21-02.....6/28/18
J-20.20-02.....5/20/13	J-40.37-02.....7/21/17	J-90.50-00.....6/28/18
J-20.26-01.....7/12/12	J-40.38-01.....5/20/13	
J-21.10-04.....6/30/14	J-40.39-00.....5/20/13	
J-21.15-01.....6/10/13	J-40.40-02.....7/31/19	
J-21.16-01.....6/10/13	J-45.36-00.....7/21/17	
J-21.17-01.....6/10/13	J-50.05-00.....7/21/17	
J-21.20-01.....6/10/13	J-50.10-01.....7/31/19	
J-22.15-02.....7/10/15	J-50.11-02.....7/31/19	
J-22.16-03.....7/10/15	J-50.12-02.....8/7/19	
J-26.10-03.....7/21/16	J-50.13-01.....8/30/22	
J-26.15-01.....5/17/12	J-50.15-01.....7/21/17	
J-26.20-01.....6/28/18	J-50.16-01.....3/22/13	
J-27.10-01.....7/21/16	J-50.18-00.....8/7/19	
J-27.15-00.....3/15/12	J-50.19-00.....8/7/19	
J-28.01-00.....8/30/22	J-50.20-00.....6/3/11	

1

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

2

L-5.10-00.....9/19/22	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

3

M-1.20-04.....9/25/20	M-11.10-04.....8/2/22	M-40.20-00.....10/12/07
M-1.40-03.....9/25/20	M-12.10-03.....8/2/22	M-40.30-01.....7/11/17
M-1.60-03.....9/25/20	M-15.10-01.....2/6/07	M-40.40-00.....9/20/07
M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.50-00.....9/20/07
M-2.20-03.....7/10/15	M-20.10-04.....8/2/22	M-40.60-00.....9/20/07
M-2.21-00.....7/10/15	M-20.20-02.....4/20/15	M-60.10-01.....6/3/11
M-3.10-04.....9/25/20	M-20.30-04.....2/29/16	M-60.20-03.....8/17/21
M-3.20-04.....8/2/22	M-20.40-03.....6/24/14	M-65.10-03.....8/17/21
M-3.30-04.....9/25/20	M-20.50-02.....6/3/11	M-80.10-01.....6/3/11
M-3.40-04.....9/25/20	M-24.20-02.....4/20/15	M-80.20-00.....6/10/08
M-3.50-03.....9/25/20	M-24.40-02.....4/20/15	M-80.30-00.....6/10/08

M-5.10-03.....9/25/20	M-24.60-04.....6/24/14
M-7.50-01.....1/30/07	M-24.65-00.....7/11/17
M-9.50-02.....6/24/14	M-24.66-00.....7/11/17
M-9.60-00.....2/10/09	M-40.10-03.....6/24/14

APPENDIX A

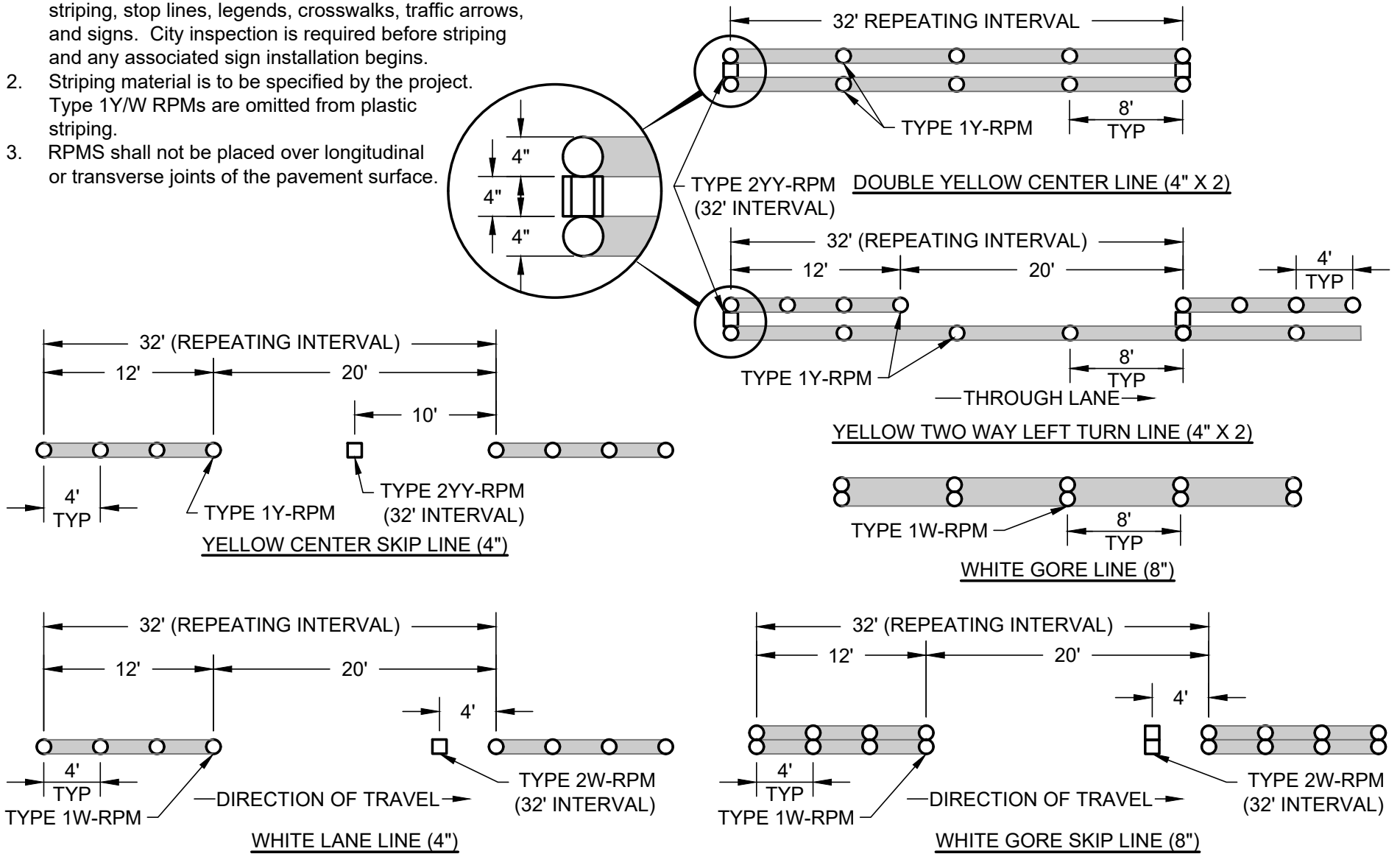
CITY OF TACOMA

and

WSDOT STANDARD PLANS

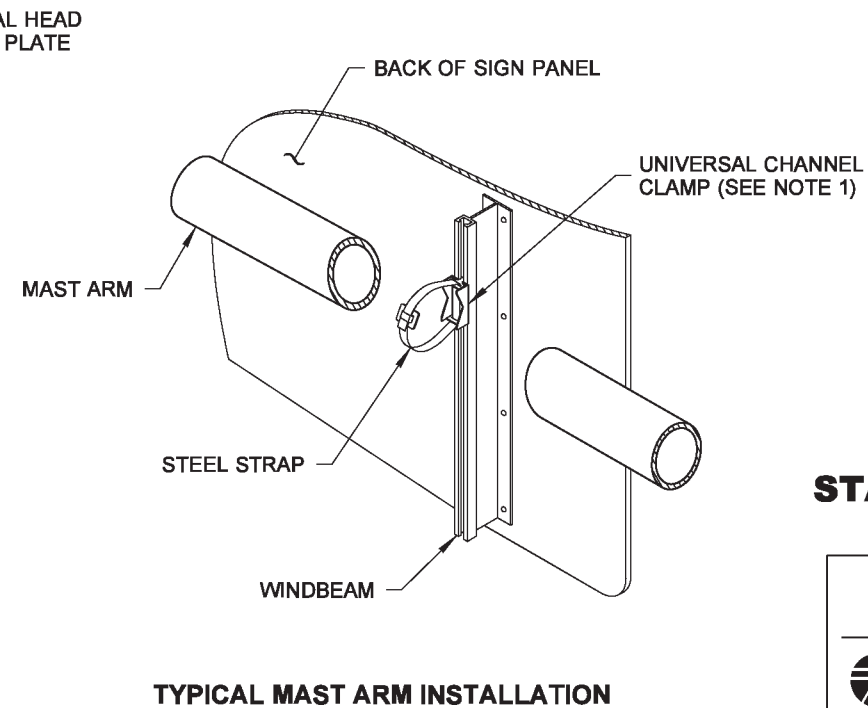
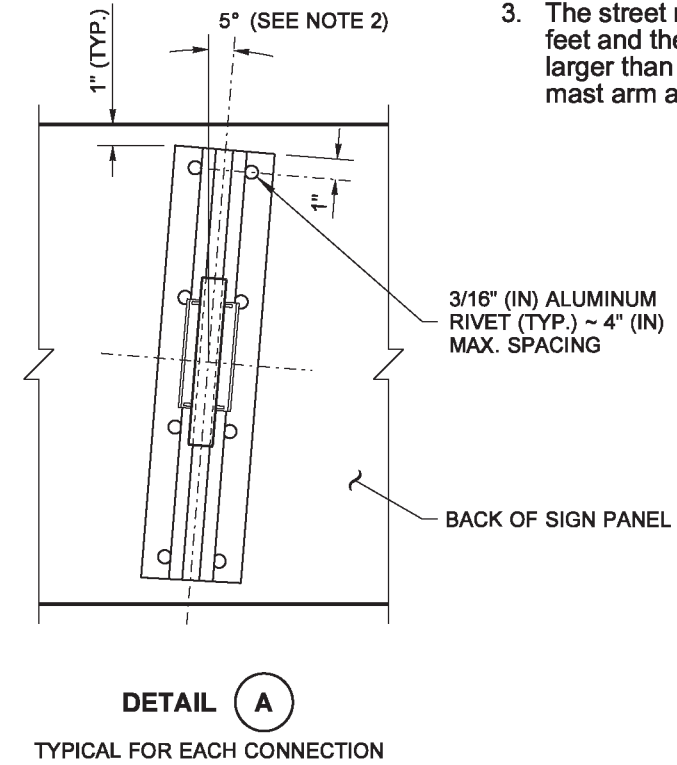
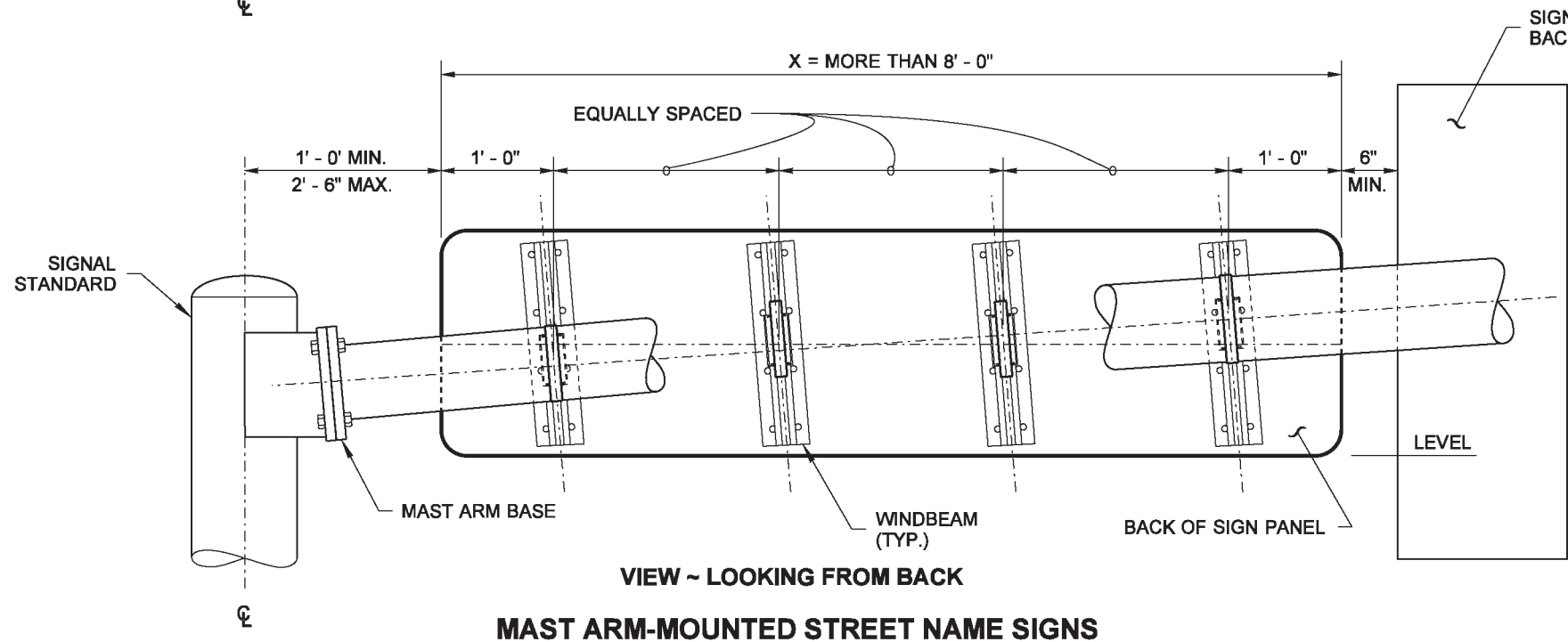
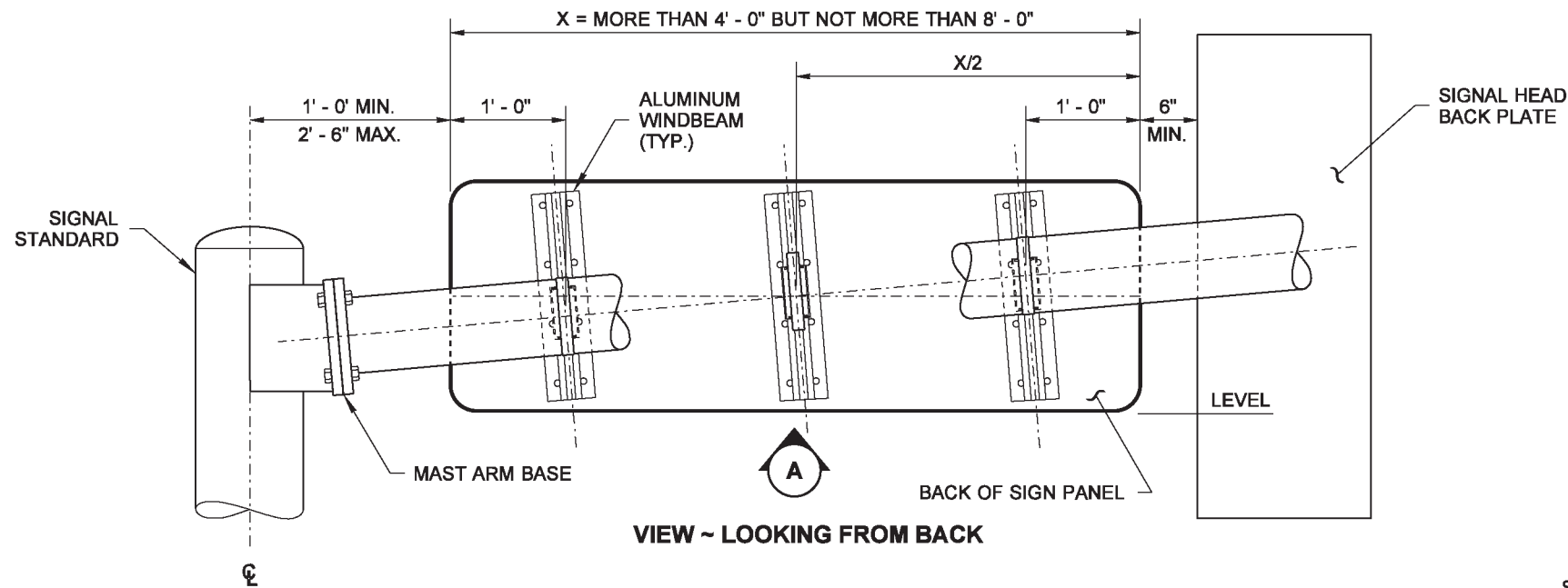
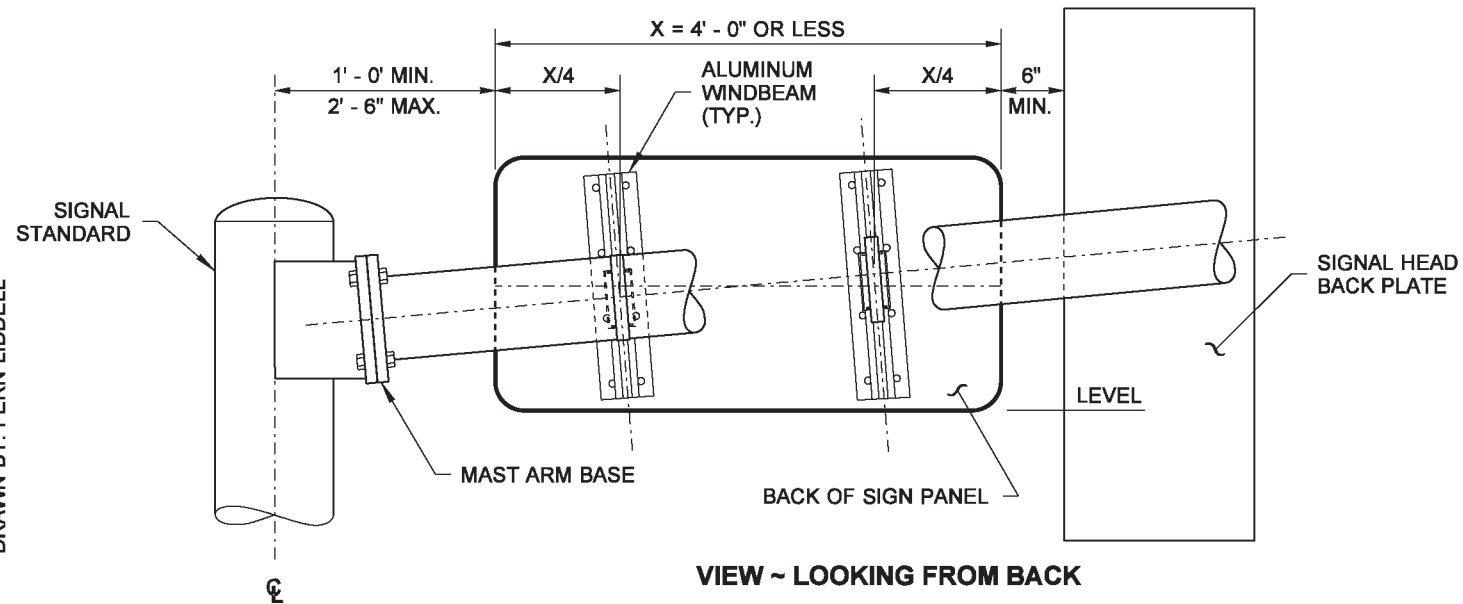
NOTES:

1. The contractor will provide necessary control points for striping, stop lines, legends, crosswalks, traffic arrows, and signs. City inspection is required before striping and any associated sign installation begins.
2. Striping material is to be specified by the project. Type 1Y/W RPMs are omitted from plastic striping.
3. RPMS shall not be placed over longitudinal or transverse joints of the pavement surface.



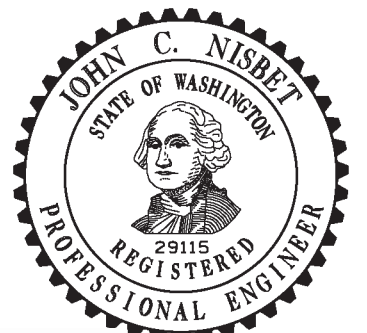
<p>DS RVDR PUBLIC WORKS N/A TACOMA POWER</p>	<p>REVIEWED BY DS EW ENVIRONMENTAL SERVICES N/A TACOMA WATER</p>		<p>APPROVED FOR PUBLICATION DocuSigned by: CITY ENGINEER 12/19/2022 DATE</p>	<p>CITY OF TACOMA LONGITUDINAL PAVEMENT MARKINGS STANDARD PLAN NO. CH-03A</p>
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DRAWN BY: FERN LIDDELL



NOTES

1. Mounting brackets with steel straps shall be a stainless steel band and buckle system product or an approved equal. Mounting brackets shall be universal channel clamps; steel straps shall be 3/4" (in) wide and 0.030" (in) thick.
2. All signs installed on mast arms or standards (poles) require windbeams. All signs shall be installed with horizontal edges level. A skewed windbeam is required only when the sign is mounted within 12" (in) of the mast arm base (see Detail "A").
3. The street name sign shall be a maximum of 36 square feet and the sign height is a maximum of 3' (ft); signs larger than 36 square feet require a special design mast arm and signal pole.



Nisbet, John
Jun 22 2015 9:49 AM

**SIGN INSTALLATION
ON SIGNAL AND
LIGHT STANDARDS
STANDARD PLAN G-30.10-04**

SHEET 1 OF 2 SHEETS

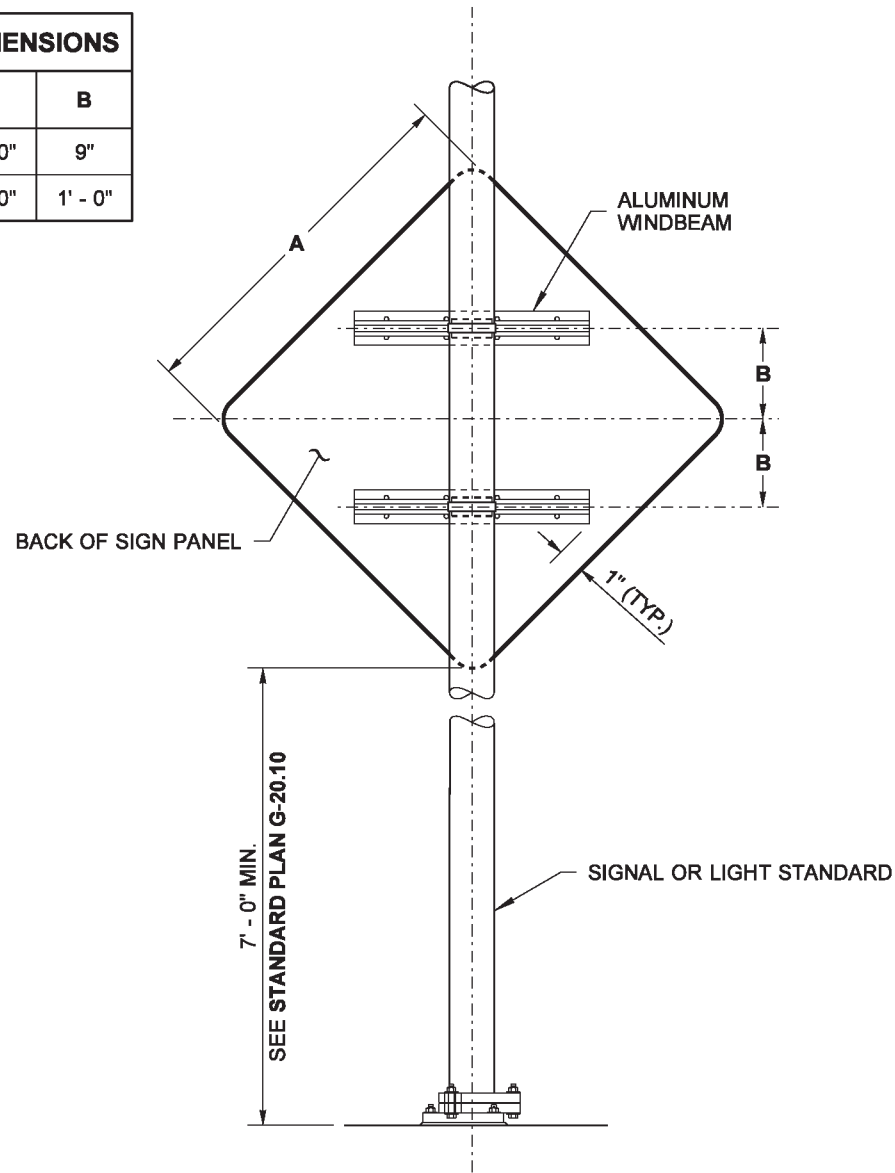
APPROVED FOR PUBLICATION

Carpenter, Jeff
Jun 23 2015 7:31 AM

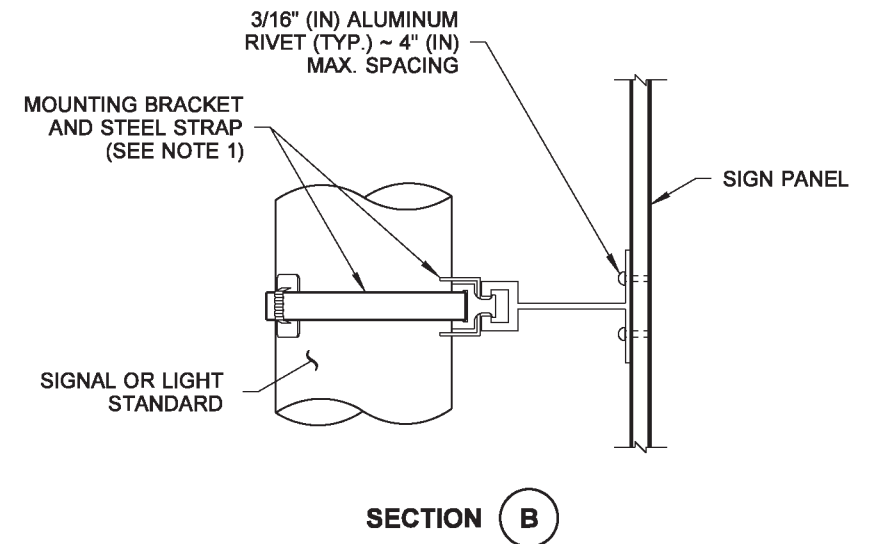
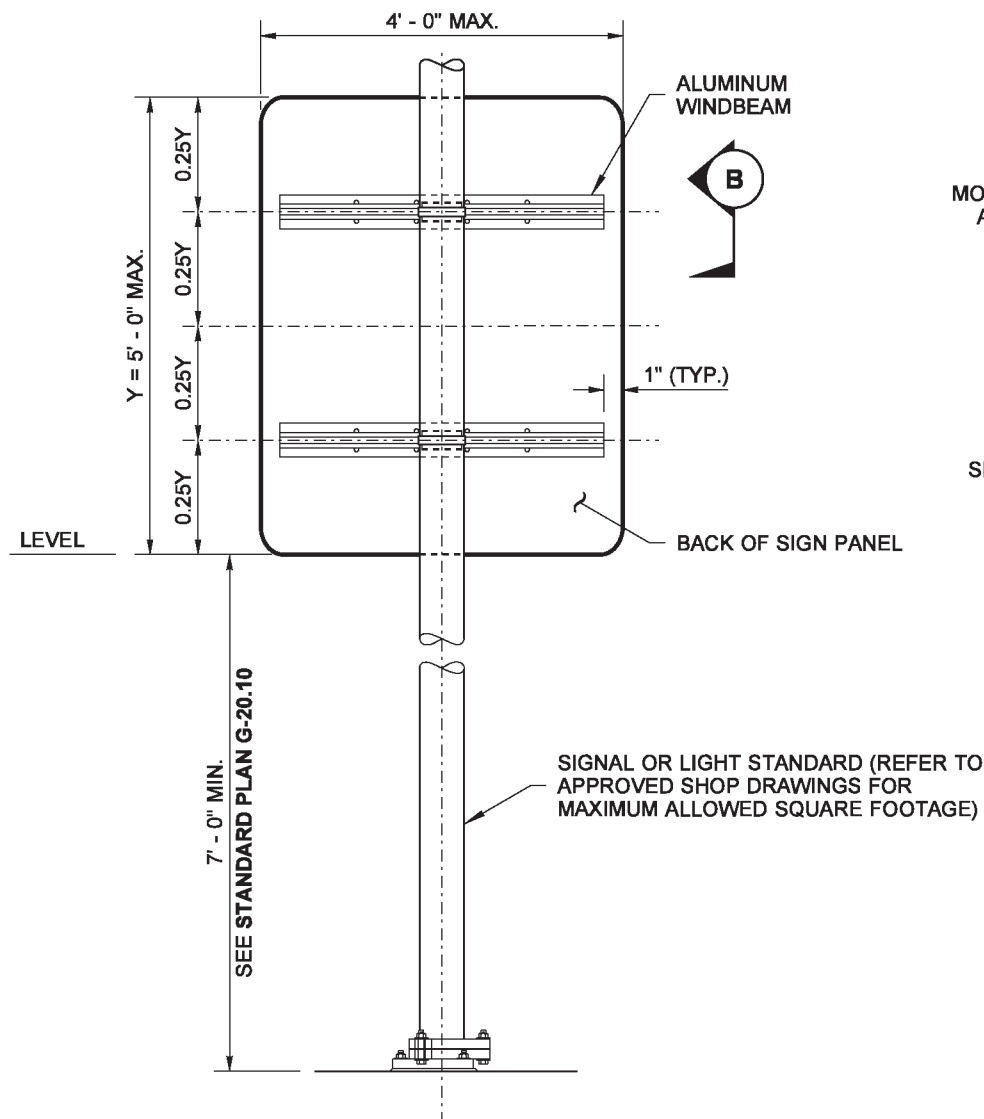
STATE DESIGN ENGINEER



DIMENSIONS	
A	B
3' - 0"	9"
4' - 0"	1' - 0"

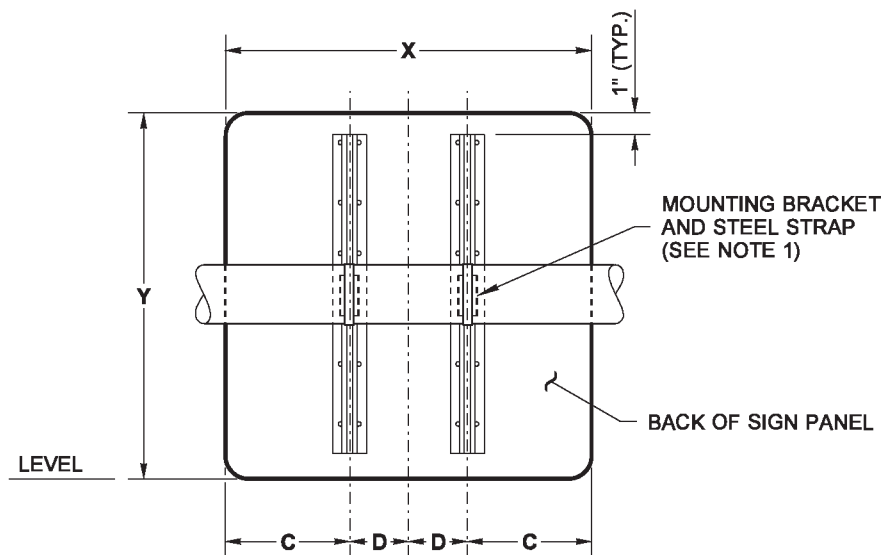


SIGN INSTALLATION ON SIGNAL OR LIGHT STANDARD



DIMENSIONS			
X	Y	C	D
3' - 0"	2' - 6"	1' - 0"	6"
3' - 0"	3' - 0"	1' - 0"	6"
3' - 0"	4' - 0"	1' - 3"	9"
4' - 0"	2' - 6"	1' - 3"	9"

NOTE:
Any Lane Use Sign greater than 7.5 sq ft. requires a Special Design Mast Arm and Signal Pole.



MAST ARM-MOUNTED LANE USE SIGNS



Nisbet, John
Jun 22 2015 9:50 AM

**SIGN INSTALLATION
ON SIGNAL AND
LIGHT STANDARDS
STANDARD PLAN G-30.10-04**

SHEET 2 OF 2 SHEETS

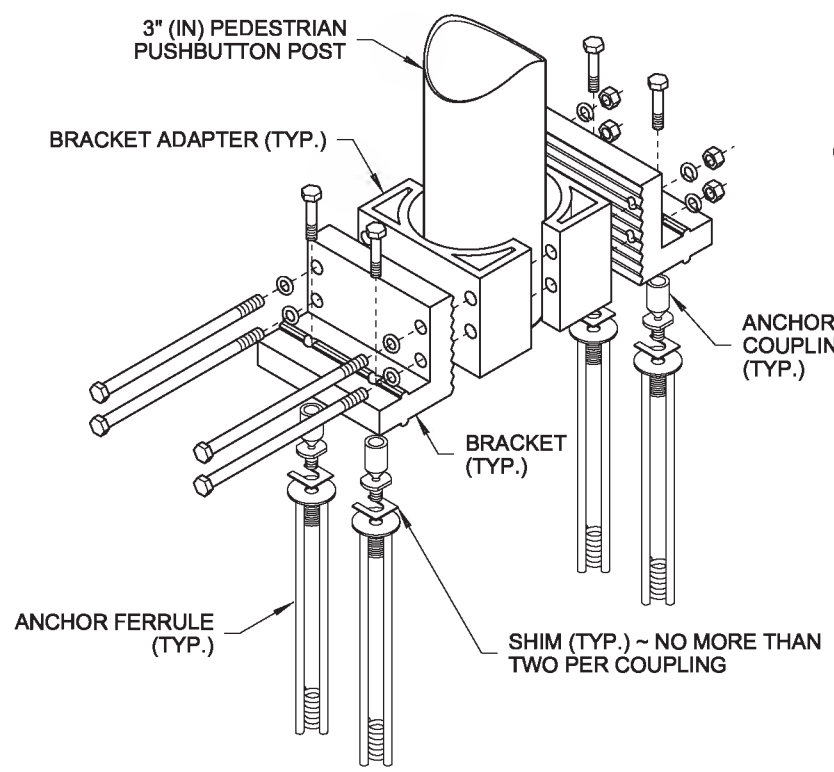
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Carpenter, Jeff
Jun 23 2015 7:31 AM

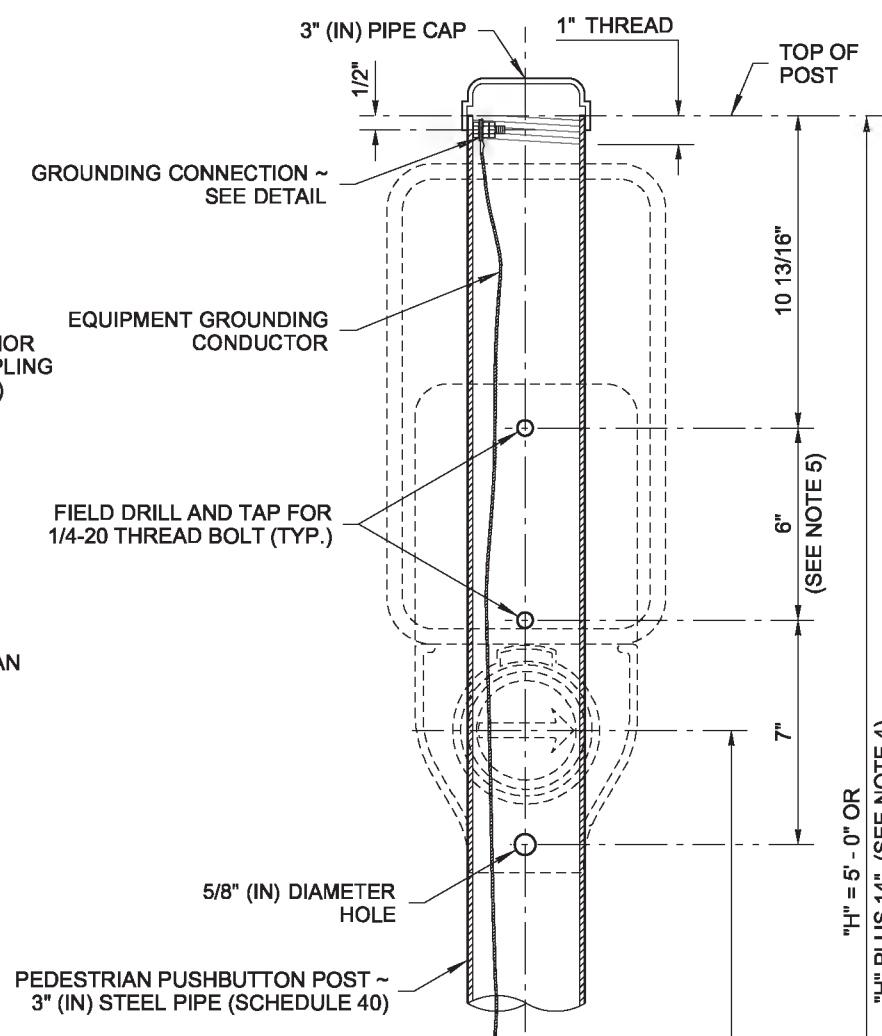
STATE DESIGN ENGINEER



DRAWN BY: FERN LIDDELL



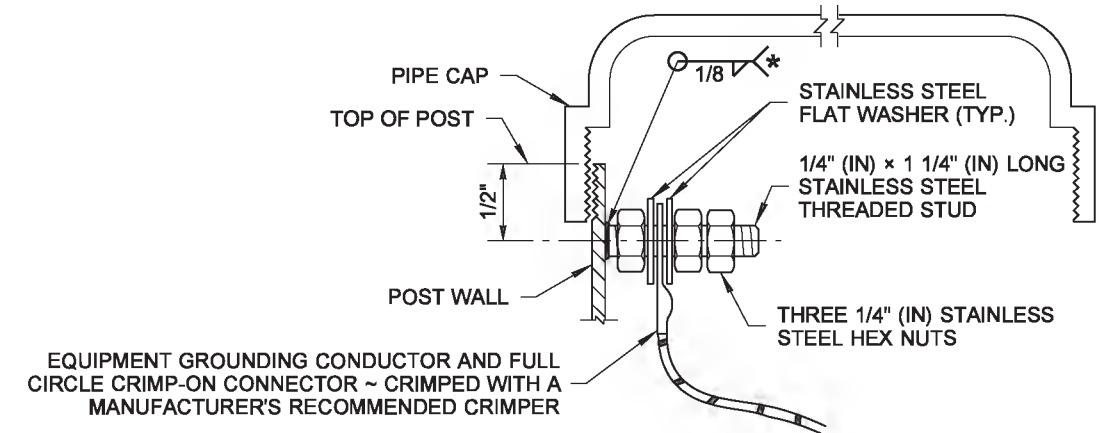
**EXPLODED VIEW
BREAKAWAY BASE CONNECTOR**
(SEE NOTE 1)



POST DETAIL

NOTES

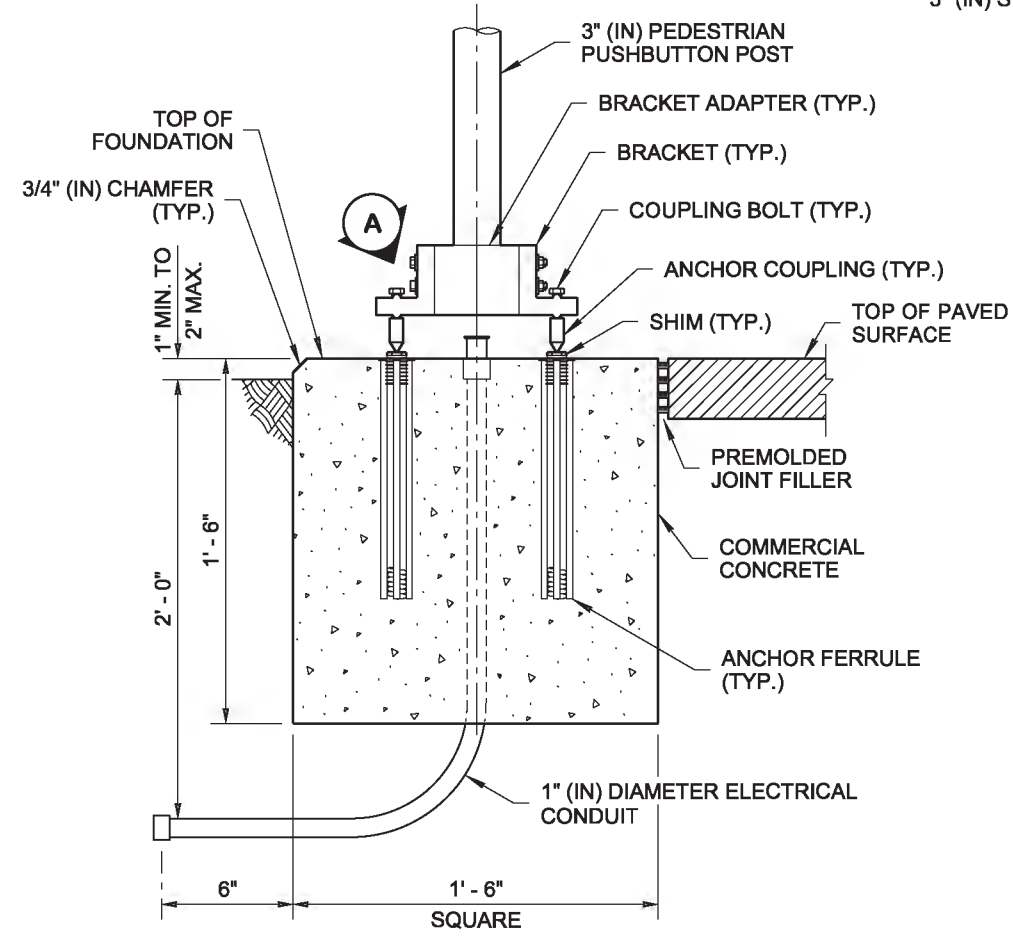
1. See **Standard Specification 9-06.16** for Breakaway Base Connection details. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The Breakaway Base Connection details are only shown on this plan to illustrate how parts are assembled.
2. See **Standard Plan J-20.26** for Accessible Pedestrian Pushbutton details.
3. Secure conductor in adjacent Junction Box per detail in **Standard Plan J-28.70**.
4. Where shown in the plans, install plaque (R10-32P) "PUSH BUTTON FOR 2 SECONDS FOR EXTRA CROSSING TIME" above the Accessible Pedestrian Signal (APS) assembly. Add 14" (in) to post height to accommodate plaque and leave a 2" (in) space between signs.
5. Mounting distances vary between manufacturers. See manufacturer's recommendations for mounting information.
6. Junction Box serving the Standard shall preferably be located 5' - 0" (10' - 0" Max.) from the Standard.



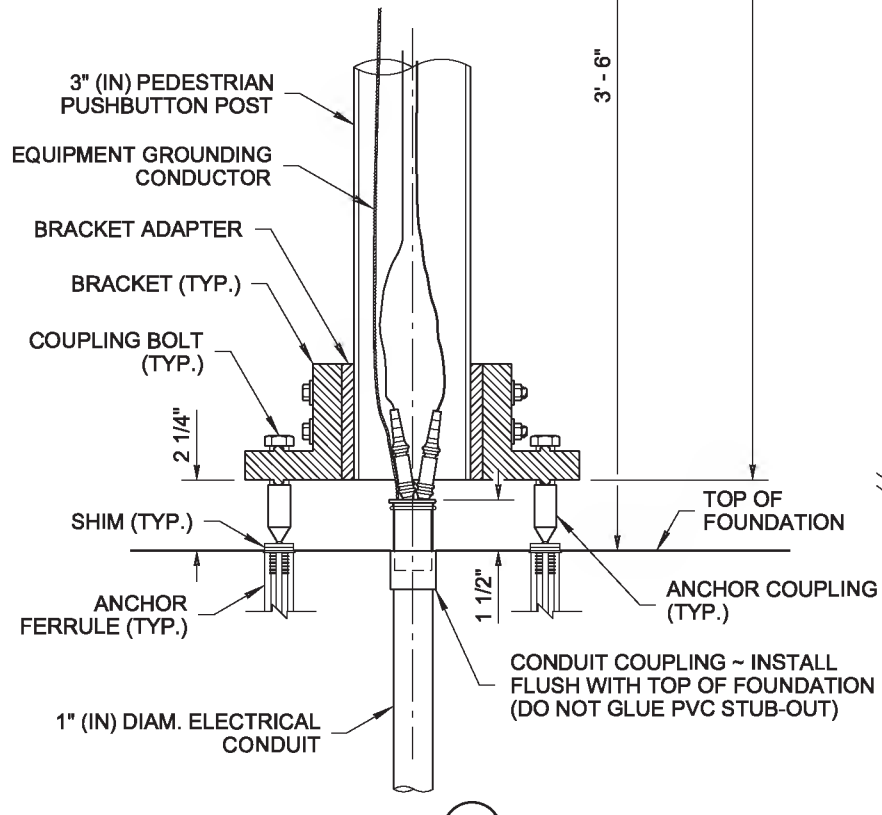
GROUNDING CONNECTION DETAIL

* WELD STUD TO POLE WALL TO MAXIMUM EXTENT POSSIBLE ~ 1/2" (IN) MINIMUM WELD

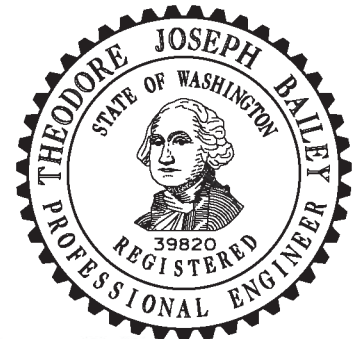
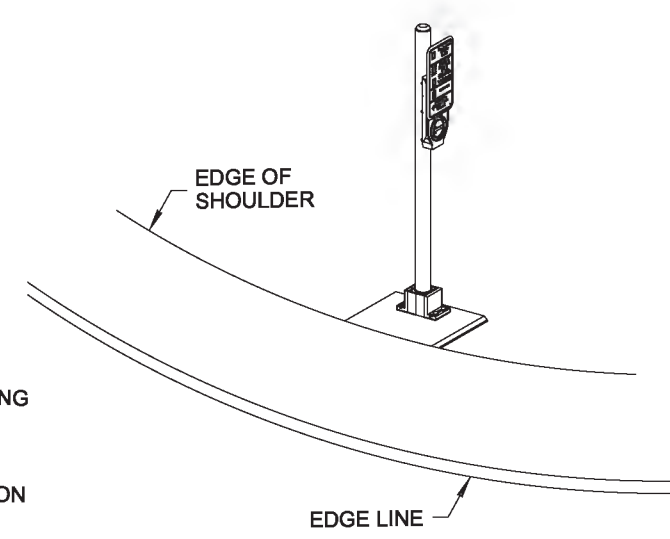
CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS (SHOWN EXPLODED FOR CLARITY)



FOUNDATION DETAIL



DETAIL A



Theodore Joseph Bailey Bailey, Ted
Jun 26 2014 4:25 PM

**ACCESSIBLE BREAKAWAY
PEDESTRIAN PUSHBUTTON
(PPB) POST**

STANDARD PLAN J-20.15-03

SHEET 1 OF 1 SHEET

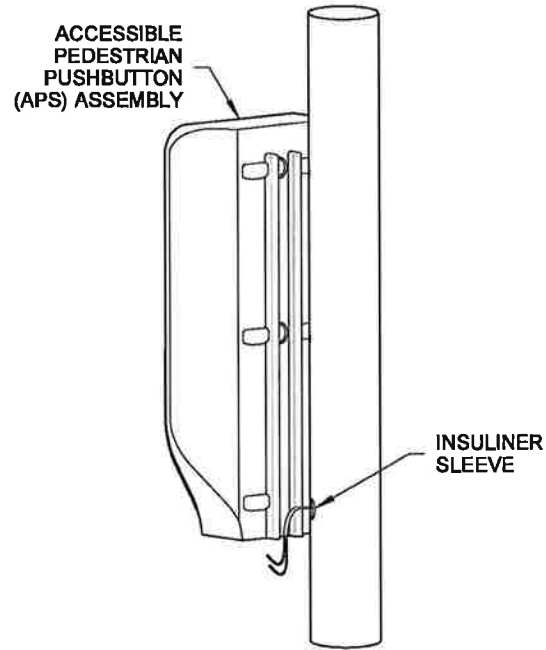
APPROVED FOR PUBLICATION

Paula B. ... Jun 30 2014 3:11 PM

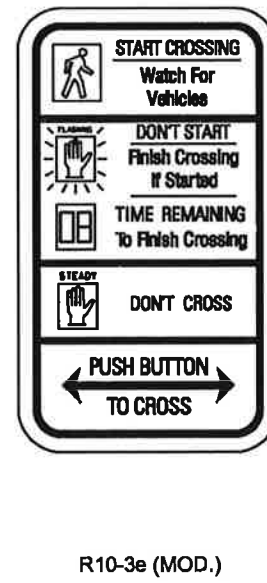
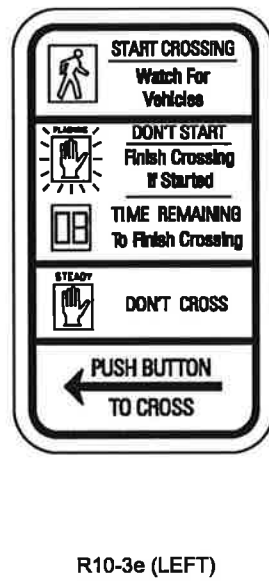
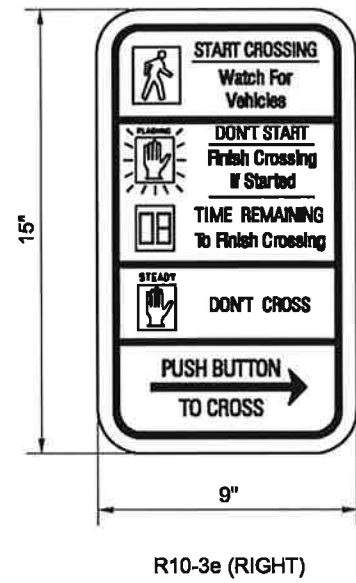
STATE DESIGN ENGINEER



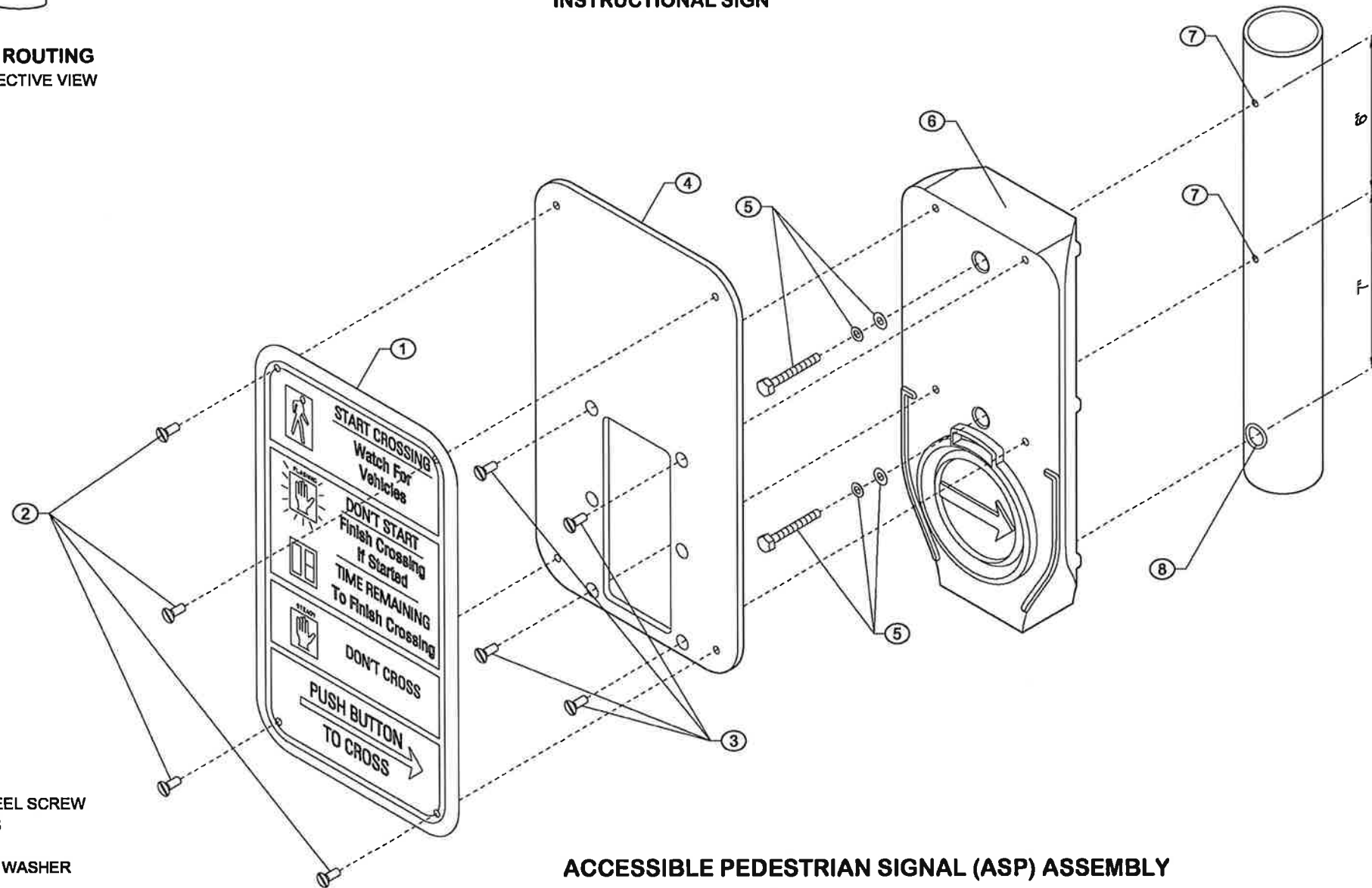
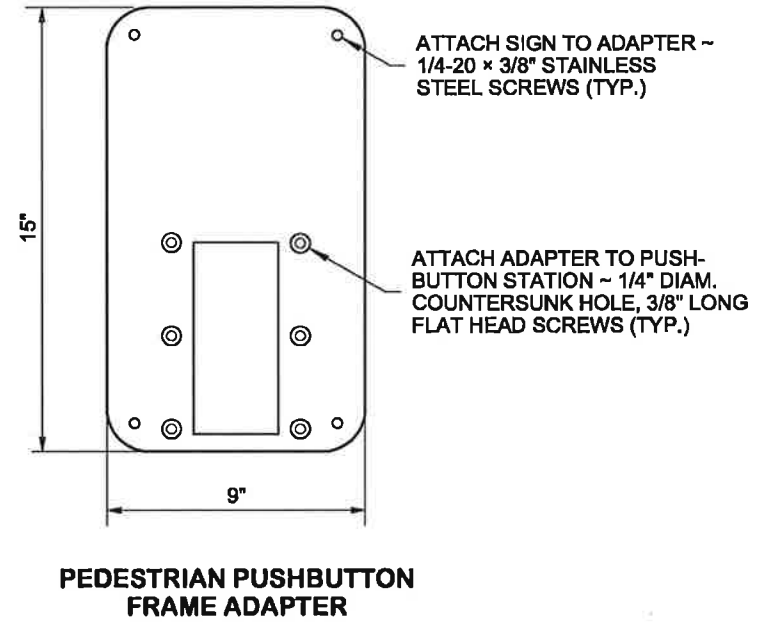
DRAWN BY: LISA CYFORD



WIRE ROUTING
PERSPECTIVE VIEW



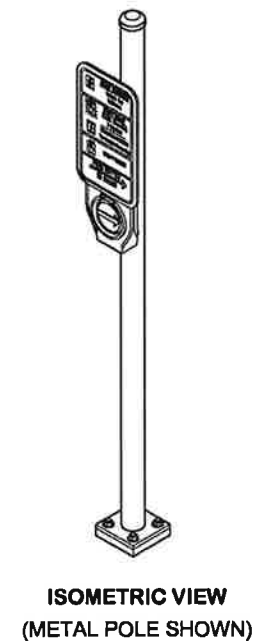
PEDESTRIAN PUSHBUTTON
INSTRUCTIONAL SIGN



KEY

- ① FACE PLATE
- ② 1/4-20 x 3/8" LONG STAINLESS STEEL SCREW
- ③ 1/4-20 STAINLESS STEEL SCREWS
- ④ PUSHBUTTON FRAME ADAPTER
- ⑤ 1/4-20 STAINLESS STEEL BOLT W/ WASHER AND LOCK WASHER
- ⑥ PUSHBUTTON STATION
- ⑦ DRILL AND TAP SHAFT FOR 1/4" DIAM. BOLT
- ⑧ DRILL AND TAP SHAFT FOR 5/8" WIRE GUIDE HOLE - ADD INSULINER

ACCESSIBLE PEDESTRIAN SIGNAL (ASP) ASSEMBLY
METAL POLE INSTALLATION
PPB-M



7/10/2012

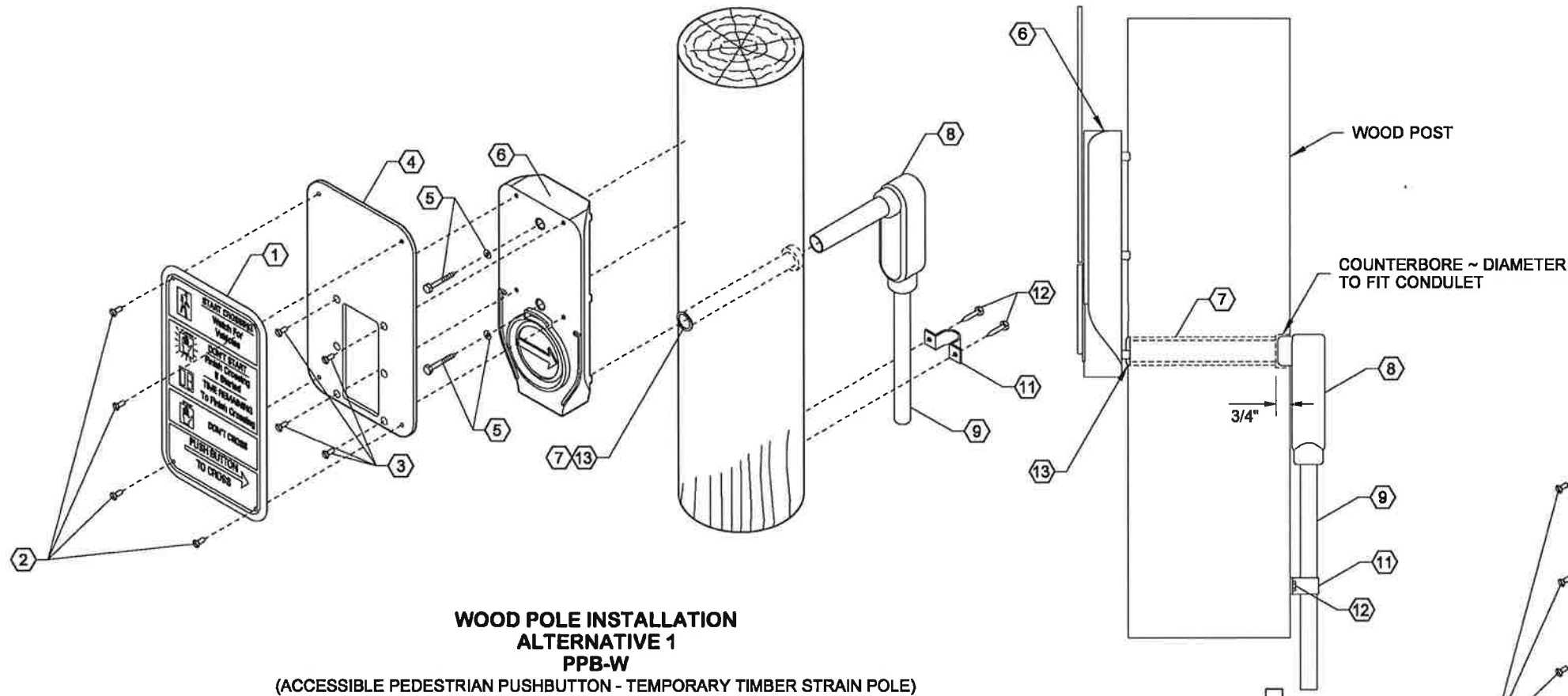
ACCESSIBLE PEDESTRIAN
PUSHBUTTON (PPB)
DETAILS
STANDARD PLAN J-20.26-01

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

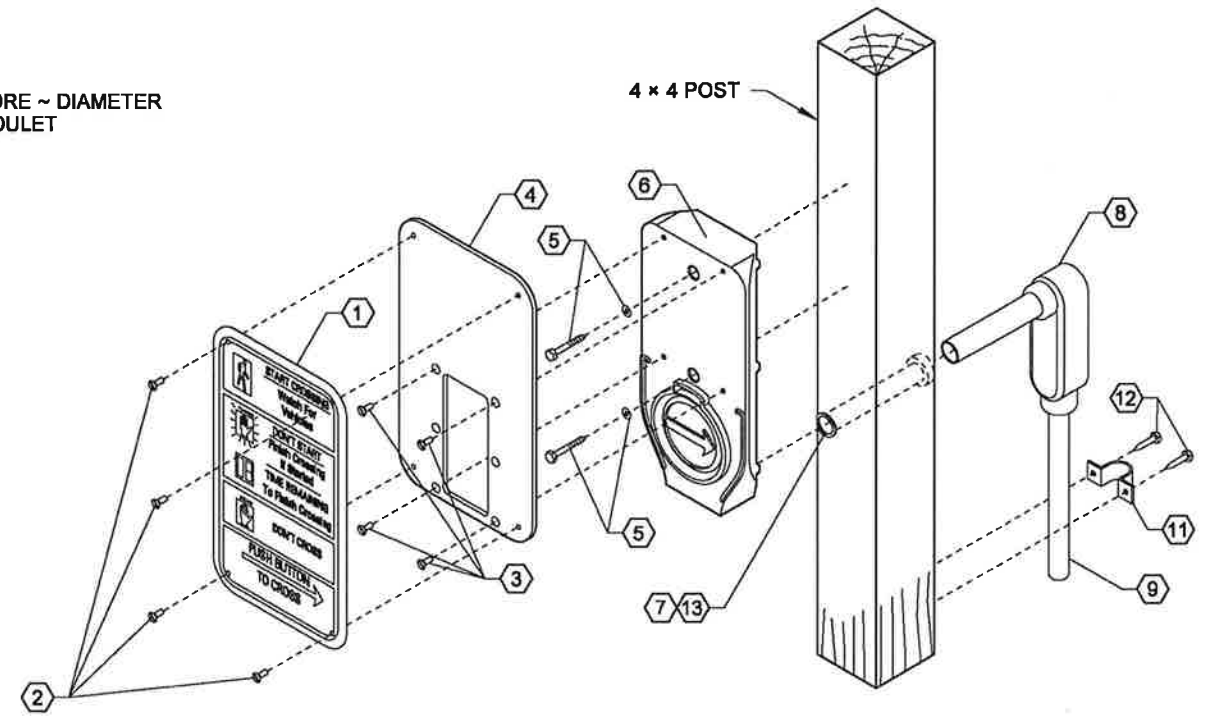
Pamela R. Smith
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation



**WOOD POLE INSTALLATION
ALTERNATIVE 1
PPB-W**

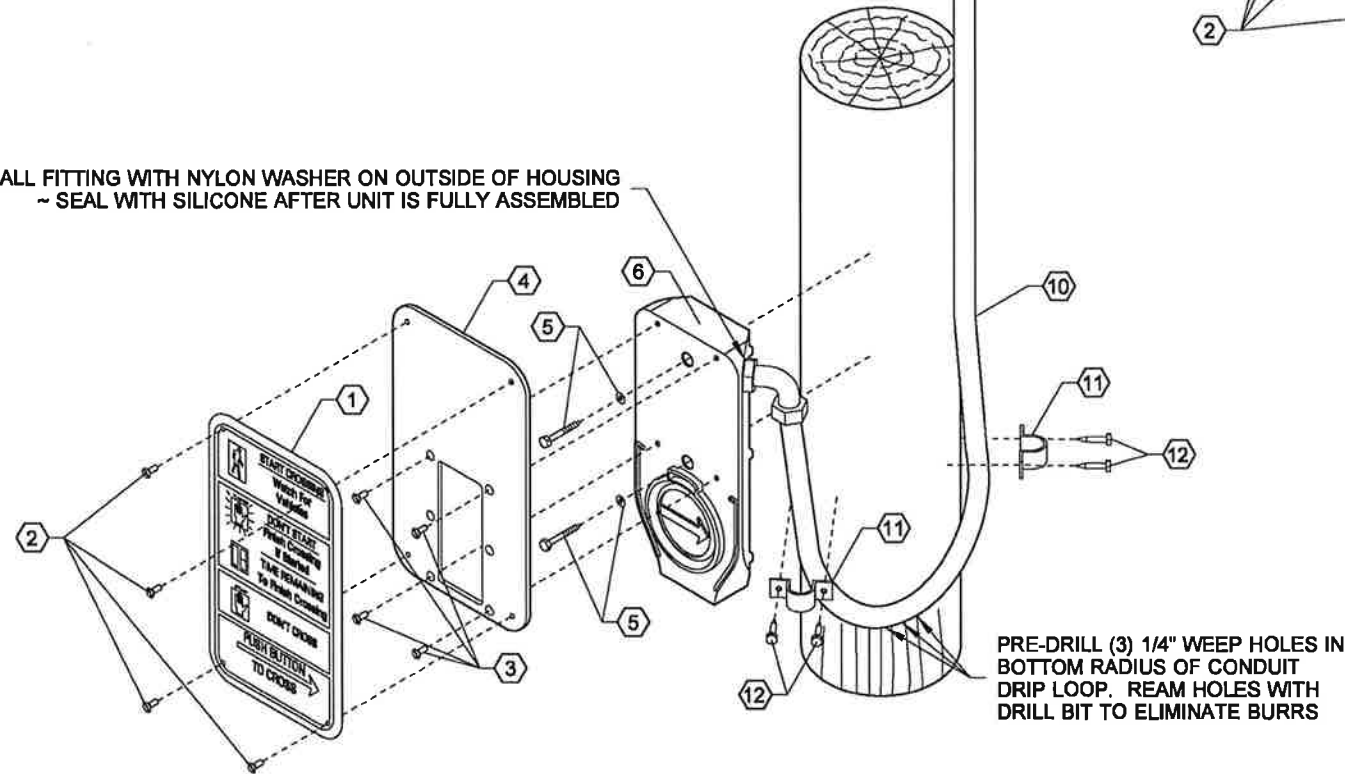
(ACCESSIBLE PEDESTRIAN PUSHBUTTON - TEMPORARY TIMBER STRAIN POLE)



**WOOD POLE INSTALLATION
ALTERNATIVE 3
PPB-W**

(ACCESSIBLE PEDESTRIAN PUSHBUTTON - TEMPORARY TIMBER POLE)

INSTALL FITTING WITH NYLON WASHER ON OUTSIDE OF HOUSING
~ SEAL WITH SILICONE AFTER UNIT IS FULLY ASSEMBLED



ACCESSIBLE PEDESTRIAN SIGNAL (ASP) ASSEMBLY

**WOOD POLE INSTALLATION
ALTERNATIVE 2
PPB-W**

(ACCESSIBLE PEDESTRIAN PUSHBUTTON - TEMPORARY TIMBER STRAIN POLE)

TEMPORARY TIMBER POLE

KEY

- 1 FACE PLATE
- 2 1/4-20 x 3/8" LONG STAINLESS STEEL SCREW
- 3 1/4-20 STAINLESS STEEL SCREWS
- 4 PUSHBUTTON FRAME ADAPTER
- 5 LAG BOLT WITH WASHER
- 6 PUSHBUTTON STATION
- 7 CONDUIT DIAMETER + 1/8" HOLE THRU POLE
- 8 CONDULET
- 9 3/4" CONDUIT
- 10 LIQUID-TITE FLEX CONDUIT
- 11 ONE PIECE TWO HOLE CLAMP
- 12 LAG BOLT
- 13 INSULINER SLEEVE



7/10/2012

**ACCESSIBLE PEDESTRIAN
PUSHBUTTON (PPB)
DETAILS**

STANDARD PLAN J-20.26-01

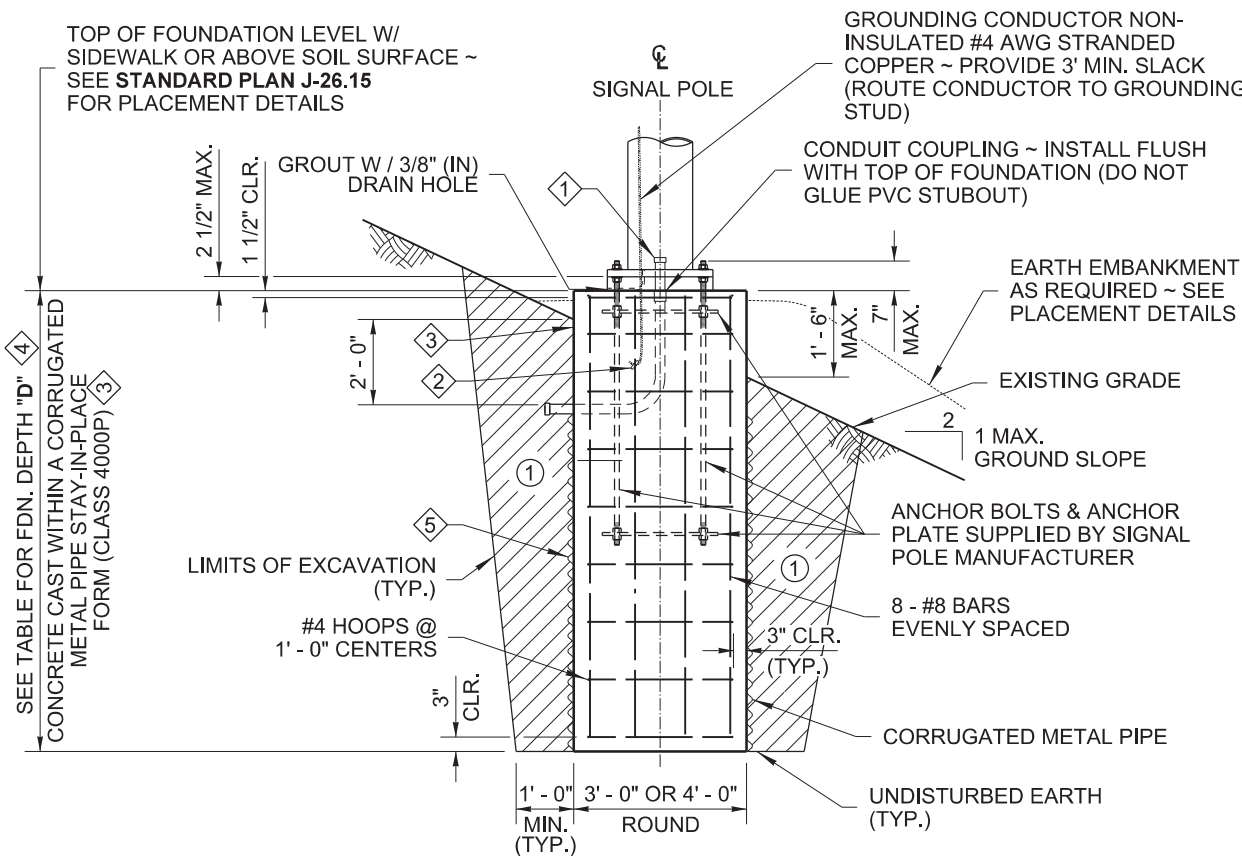
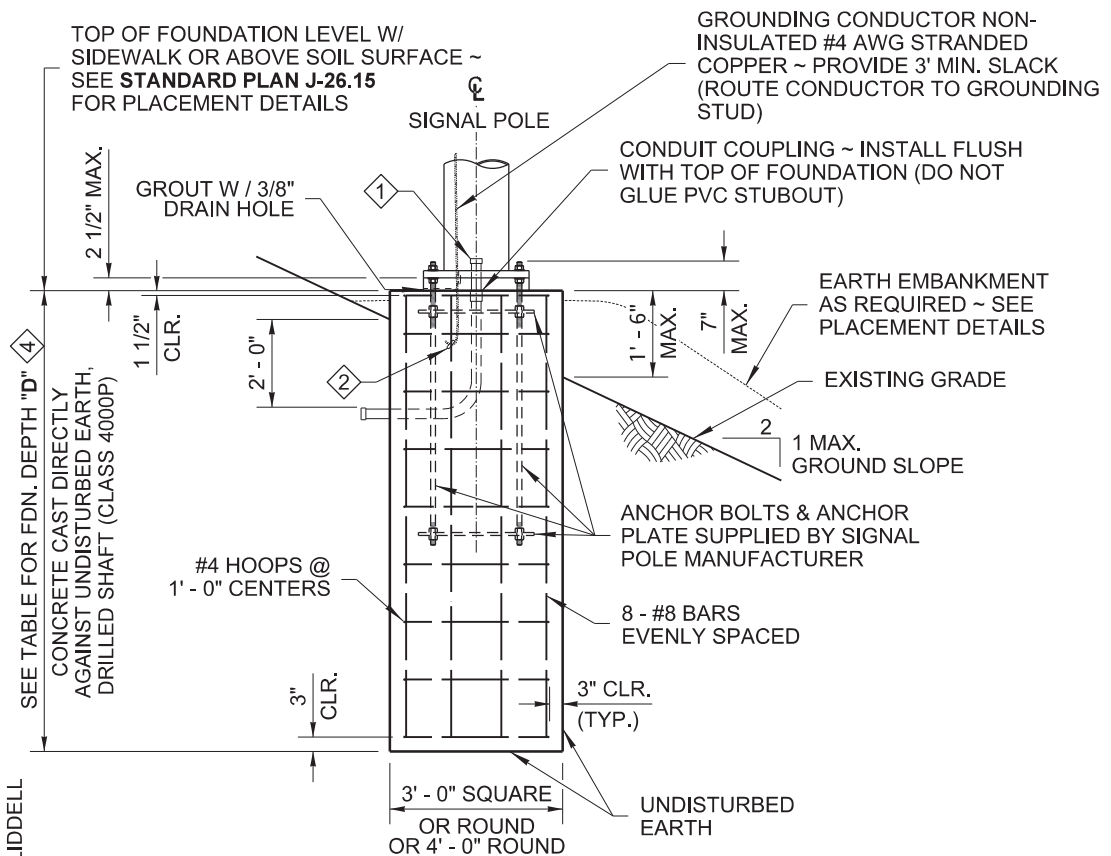
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Paula B. Smith 7/12/12

STATE DESIGN ENGINEER DATE





- NOTES**
- This structure has been designed according to the Fifth Edition 2009 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Basic wind velocity is 90 mph, Design Life/Recurrence Interval 50 years, and Fatigue Category III.
 - Foundations are designed for Type II, III, and SD Signal Standards with a maximum mast arm length of 65'.
 - Foundations are designed for Single Mast Arm Standards and Double Mast Arm Standards with 90° between arms. Special foundation design is required for Double Arm Standards where the angle between mast arms is other than 90°. For Double Mast Arm Standards with 90° between arms, use larger XYZ value for foundation depth selection.
 - Foundations not within the parameters of this standard require Special Design. Contact the **WSDOT Bridge and Structures Office** through the Engineer for Special Foundation Designs.
 - Where a foundation is constructed within a Media Filter Drain, the foundation depth shown in the Contract Plans shall be increased by the depth of the Media Filter Drain.
 - The top 2 feet of the foundation shall use a smooth form (such as paper or cardboard). After the concrete has cured, this entire form shall be removed.
 - For design parameters between the values listed in Table, depth requirements may be interpolated between the values provided.
 - Install Signal Foundation Identification Tag. See **Standard Plan J-26.15** for details.

FOUNDATION REINFORCEMENT DETAIL
CONCRETE CAST DIRECTLY AGAINST UNDISTURBED EARTH, DRILLED SHAFT

ALTERNATE # 1

FOUNDATION REINFORCEMENT AND BACKFILL DETAIL
CONCRETE CAST WITHIN A CORRUGATED METAL PIPE STAY-IN-PLACE FORM

ALTERNATE # 2

- ① CONDUIT SIZE AND QUANTITY AS SHOWN IN THE CONTRACT; CAP BOTH ENDS.
- ② CLAMP CONDUCTOR TO STEEL REINFORCING WITH LISTED CONNECTOR SUITABLE FOR USE EMBEDDED IN CONCRETE

- ③ PAPER OR CARDBOARD FORM SHALL NOT STAY-IN-PLACE
- ④ SEE NOTE 5

ALTERNATE #2 - CONSTRUCTION METHOD
METAL (SUBSURFACE) FORM REQUIRED

FOUNDATION DEPTH "D" TABLE

ALTERNATE # 1 DRILLED SHAFT-TYPE CONSTRUCTION
FOR LATERAL BEARING PRESSURE = 2500 PSF & Ø = 34°, 1500 PSF & Ø = 28°, 1000 PSF & Ø = 26°

GROUND SLOPE = 3H : 1V OR FLATTER										GROUND SLOPE = GREATER THAN 3H : 1V TO 2H : 1V									
ALLOWABLE LATERAL BEARING PRESSURE	FOUNDATION TYPE	XYZ (FT ³)								ALLOWABLE LATERAL BEARING PRESSURE	FOUNDATION TYPE	XYZ (FT ³)							
		700	900	1350	1500	1900	2300	2600	3000			700	900	1350	1500	1900	2300	2600	3000
1000 PSF	3' - 0" ROUND	10' - 0"	10' - 0"	11' - 0"	11' - 0"	15' - 0"	18' - 0"	20' - 0"	20' - 0"	1000 PSF	3' - 0" ROUND	SPECIAL FOUNDATION TYPE							
	3' - 0" SQUARE	8' - 0"	8' - 0"	9' - 0"	9' - 0"	10' - 0"	11' - 0"	12' - 0"	12' - 0"		3' - 0" SQUARE	SPECIAL FOUNDATION TYPE							
	4' - 0" ROUND	8' - 0"	8' - 0"	9' - 0"	9' - 0"	10' - 0"	11' - 0"	12' - 0"	12' - 0"		4' - 0" ROUND	SPECIAL FOUNDATION TYPE							
1500 PSF	3' - 0" ROUND	8' - 0"	8' - 0"	9' - 0"	11' - 0"	13' - 0"	15' - 0"	18' - 0"	18' - 0"	1500 PSF	3' - 0" ROUND	11' - 0"	11' - 0"	12' - 0"	14' - 0"	16' - 0"	18' - 0"	21' - 0"	21' - 0"
	3' - 0" SQUARE	7' - 0"	7' - 0"	7' - 0"	8' - 0"	8' - 0"	9' - 0"	10' - 0"	10' - 0"		3' - 0" SQUARE	10' - 0"	10' - 0"	10' - 0"	11' - 0"	11' - 0"	12' - 0"	13' - 0"	13' - 0"
	4' - 0" ROUND	7' - 0"	7' - 0"	7' - 0"	8' - 0"	8' - 0"	9' - 0"	10' - 0"	10' - 0"		4' - 0" ROUND	10' - 0"	10' - 0"	10' - 0"	11' - 0"	11' - 0"	12' - 0"	13' - 0"	13' - 0"
2500 PSF OR GREATER	3' - 0" ROUND	6' - 0"	6' - 0"	7' - 0"	8' - 0"	9' - 0"	11' - 0"	15' - 0"	15' - 0"	2500 PSF OR GREATER	3' - 0" ROUND	9' - 0"	9' - 0"	10' - 0"	12' - 0"	12' - 0"	14' - 0"	18' - 0"	18' - 0"
	3' - 0" SQUARE	6' - 0"	6' - 0"	6' - 0"	6' - 0"	7' - 0"	7' - 0"	8' - 0"	8' - 0"		3' - 0" SQUARE	9' - 0"	9' - 0"	9' - 0"	9' - 0"	10' - 0"	10' - 0"	11' - 0"	11' - 0"
	4' - 0" ROUND	6' - 0"	6' - 0"	6' - 0"	6' - 0"	7' - 0"	7' - 0"	8' - 0"	8' - 0"		4' - 0" ROUND	9' - 0"	9' - 0"	9' - 0"	9' - 0"	10' - 0"	10' - 0"	11' - 0"	11' - 0"

ALTERNATE # 2 CORRUGATED METAL PIPE TYPE CONSTRUCTION
FOR LATERAL BEARING PRESSURE = 2500 PSF & Ø = 23°, 1500 PSF & Ø = 18°, 1000 PSF & Ø = 17°

GROUND SLOPE = 3H : 1V OR FLATTER										GROUND SLOPE = GREATER THAN 3H : 1V TO 2H : 1V									
ALLOWABLE LATERAL BEARING PRESSURE	FOUNDATION TYPE	XYZ (FT ³)								ALLOWABLE LATERAL BEARING PRESSURE	FOUNDATION TYPE	XYZ (FT ³)							
		700	900	1350	1500	1900	2300	2600	3000			700	900	1350	1500	1900	2300	2600	3000
1000 PSF	3' - 0" ROUND	10' - 0"	10' - 0"	11' - 0"	15' - 0"	20' - 0"	25' - 0"	28' - 0"	28' - 0"	1000 PSF	3' - 0" ROUND	SPECIAL FOUNDATION TYPE							
	4' - 0" ROUND	8' - 0"	8' - 0"	9' - 0"	12' - 0"	13' - 0"	14' - 0"	15' - 0"	15' - 0"		4' - 0" ROUND	SPECIAL FOUNDATION TYPE							
1500 PSF	3' - 0" ROUND	8' - 0"	8' - 0"	11' - 0"	15' - 0"	18' - 0"	21' - 0"	25' - 0"	25' - 0"	1500 PSF	3' - 0" ROUND	11' - 0"	11' - 0"	14' - 0"	18' - 0"	21' - 0"	24' - 0"	28' - 0"	23' - 0"
	4' - 0" ROUND	7' - 0"	7' - 0"	7' - 0"	8' - 0"	10' - 0"	13' - 0"	15' - 0"	15' - 0"		4' - 0" ROUND	10' - 0"	10' - 0"	10' - 0"	11' - 0"	13' - 0"	16' - 0"	18' - 0"	18' - 0"
2500 PSF OR GREATER	3' - 0" ROUND	6' - 0"	6' - 0"	7' - 0"	11' - 0"	13' - 0"	18' - 0"	20' - 0"	20' - 0"	2500 PSF OR GREATER	3' - 0" ROUND	9' - 0"	9' - 0"	10' - 0"	14' - 0"	16' - 0"	21' - 0"	23' - 0"	23' - 0"
	4' - 0" ROUND	6' - 0"	6' - 0"	6' - 0"	6' - 0"	7' - 0"	9' - 0"	9' - 0"	9' - 0"		4' - 0" ROUND	9' - 0"	9' - 0"	9' - 0"	9' - 0"	10' - 0"	12' - 0"	12' - 0"	12' - 0"

When the existing soil will not retain a vertical face, over-excavate the foundation area and install a 36" or 48" diameter corrugated metal (pipe) form. The top of the corrugated metal form shall terminate 1 foot below final grade. Continue forming to full height using paper or cardboard form to achieve a smooth finish on final exposed cement concrete. Support the form as necessary to remain plumb.

Place the concrete foundation.

After concrete has cured, remove the entire paper or cardboard form portion.

- ① Shoring or Extra Excavation as required. Excavated area shall be backfilled with Controlled-Density Fill (CDF), or with soil in accordance with **Standard Specification Section 8-20.3(2)** and Compaction Method 1 of **Standard Specification Section 2-09.3(1)E**.



Zeldenrust, Richard
Jul 20 2016 8:25 AM

TRAFFIC SIGNAL STANDARD FOUNDATION

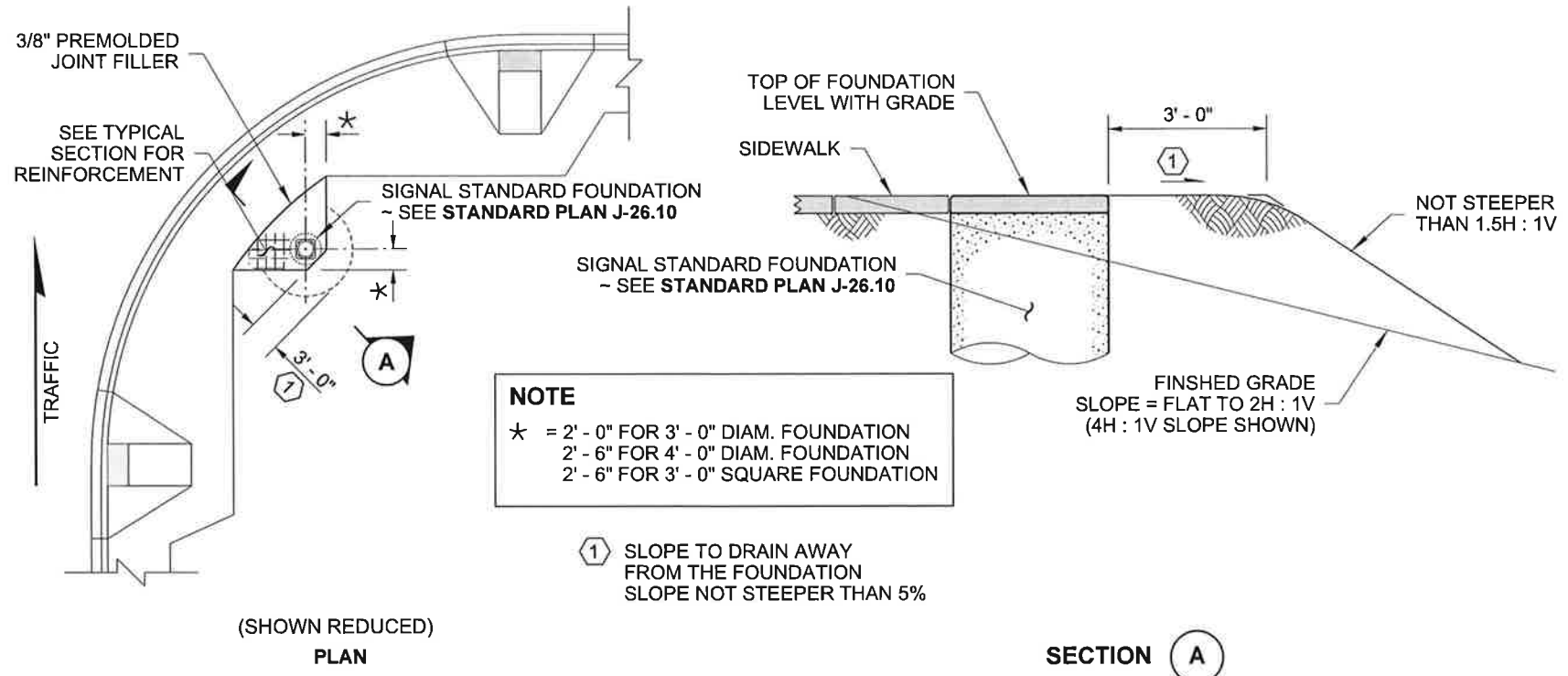
STANDARD PLAN J-26.10-03

SHEET 1 OF 1 SHEET

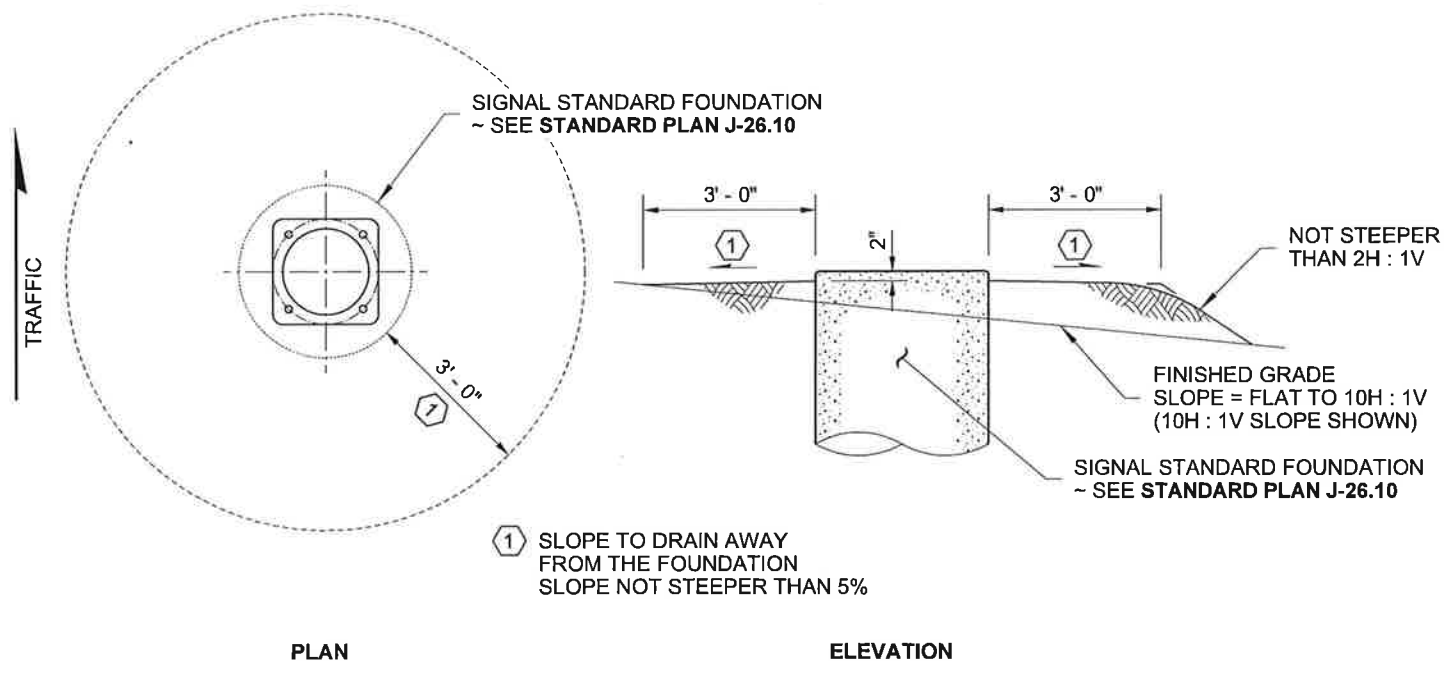
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Carpenter, Jeff
Jul 21 2016 8:27 AM

STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL

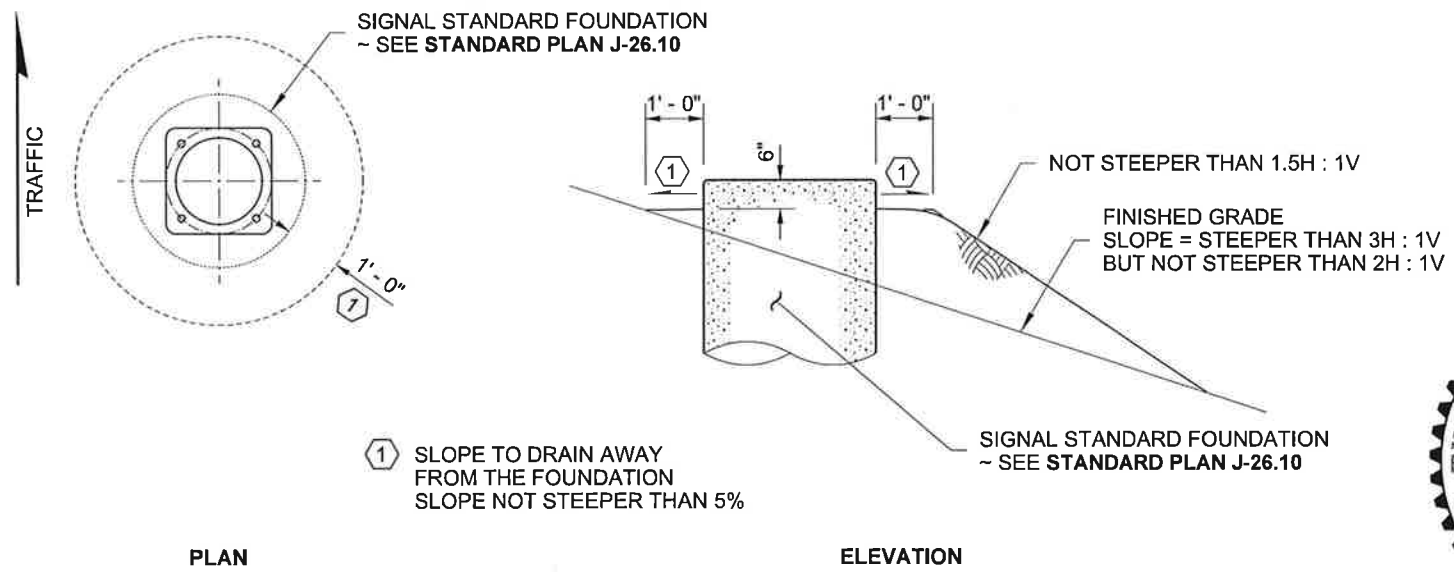


FOUNDATION IN OR NEAR SIDEWALK
CASE A

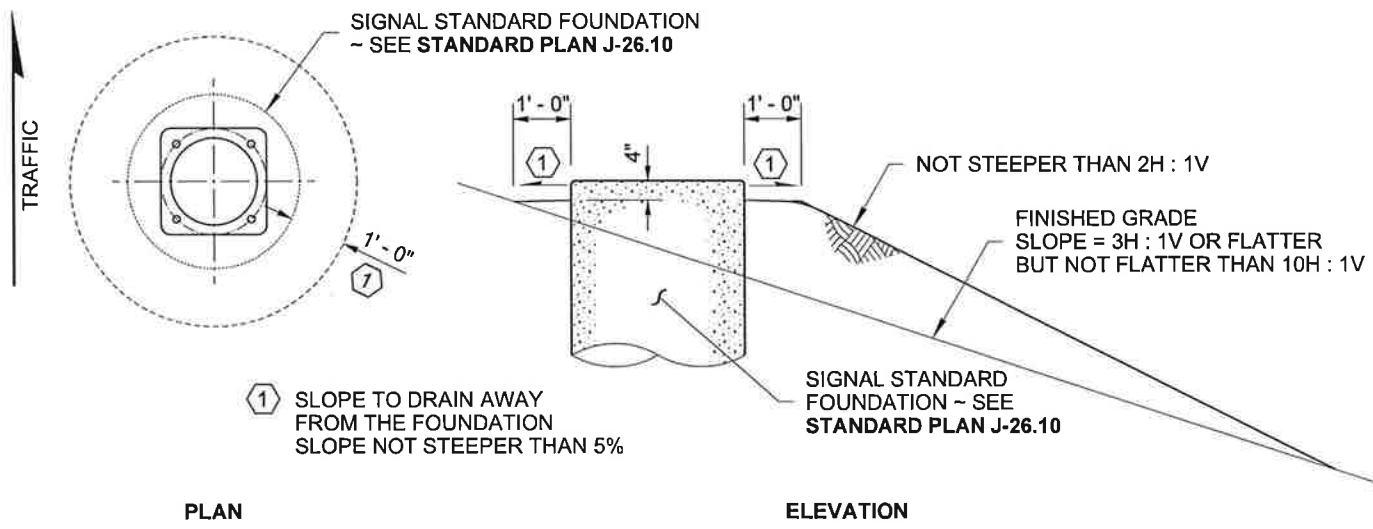


EXISTING GRADE OR FILL SLOPE = FLAT TO 10H : 1V
CASE B

DRAWN BY: LISA CYFORD



EXISTING GRADE OR FILL SLOPE = 3H : 1V TO 2H : 1V
CASE D



EXISTING GRADE OR FILL SLOPE = 10H : 1V TO ≤ 3H : 1V
CASE C



5/15/2012

SIGNAL STANDARD FOUNDATION PLACEMENTS
STANDARD PLAN J-26.15-01

SHEET 1 OF 3 SHEETS

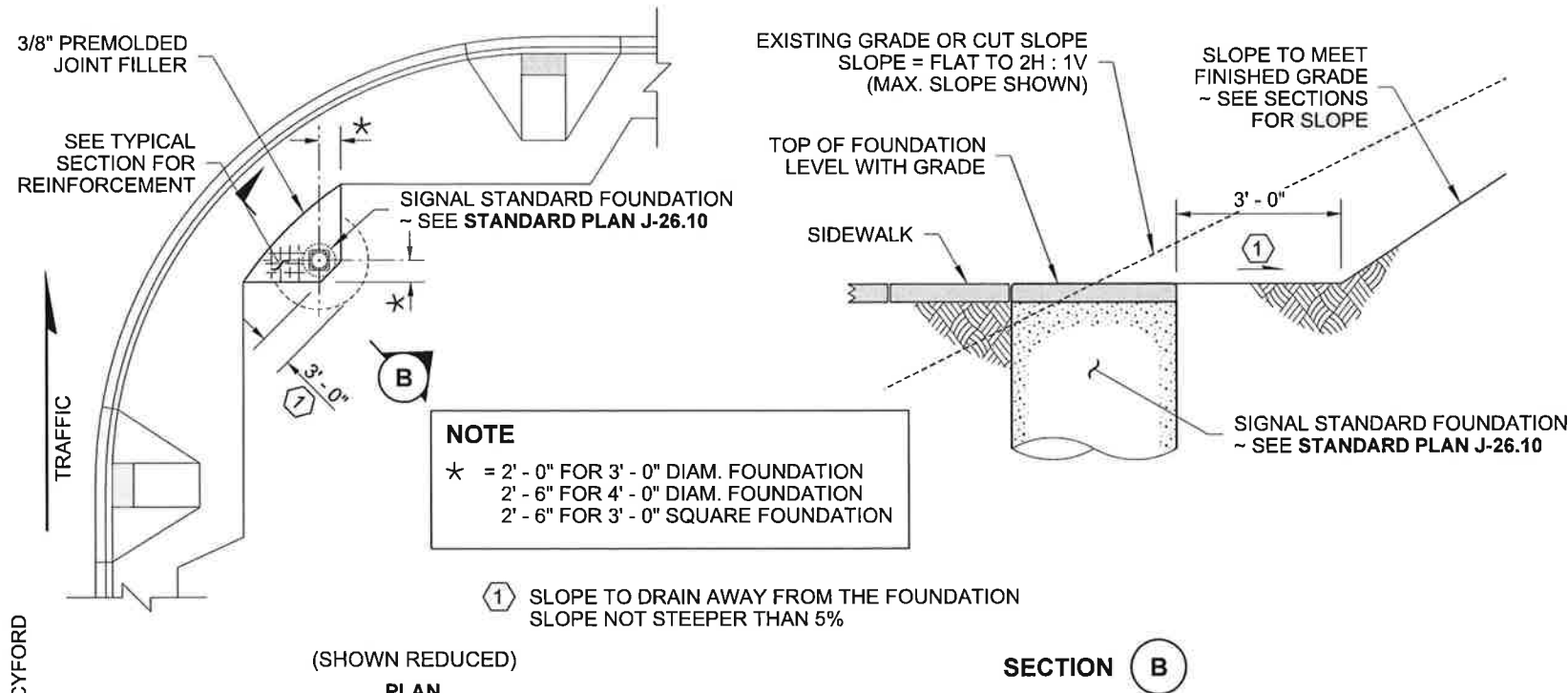
APPROVED FOR PUBLICATION

Pavel B. [Signature] 5/17/12

STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

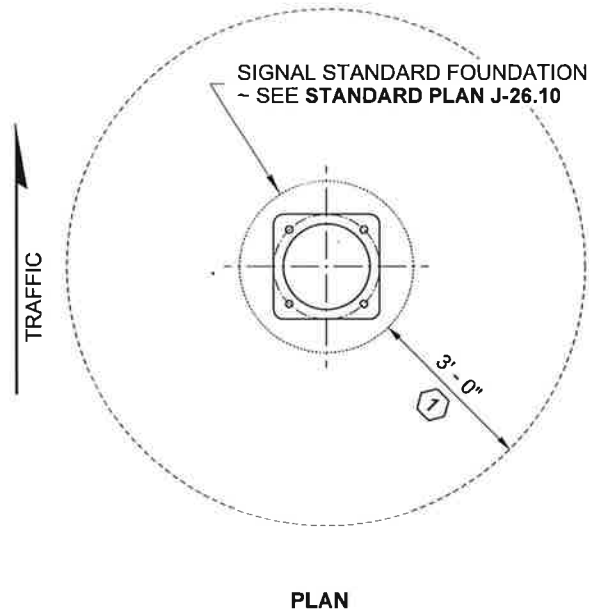
DRAWN BY: LISA CYFORD



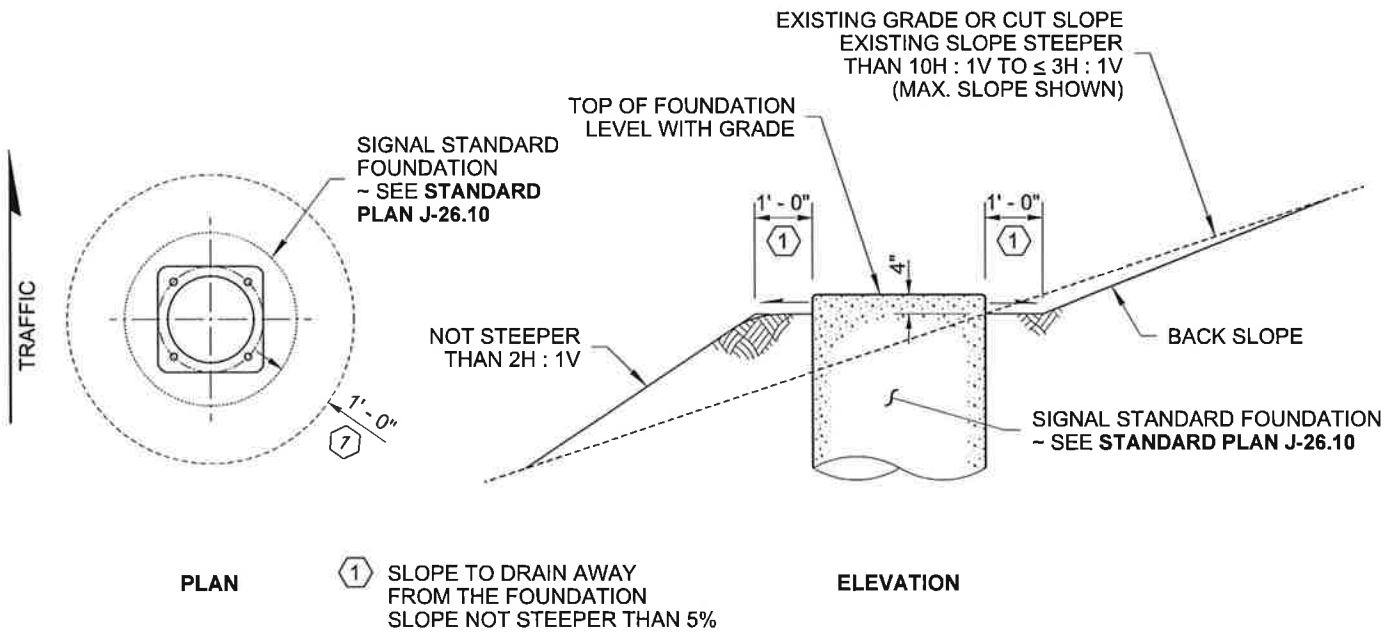
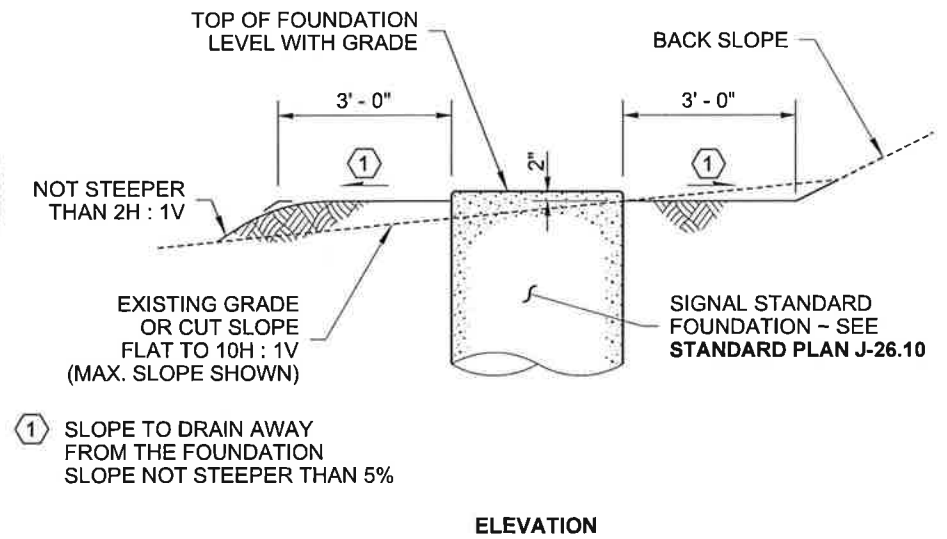
(SHOWN REDUCED)
PLAN

**FOUNDATION IN OR NEAR SIDEWALK
CASE E**

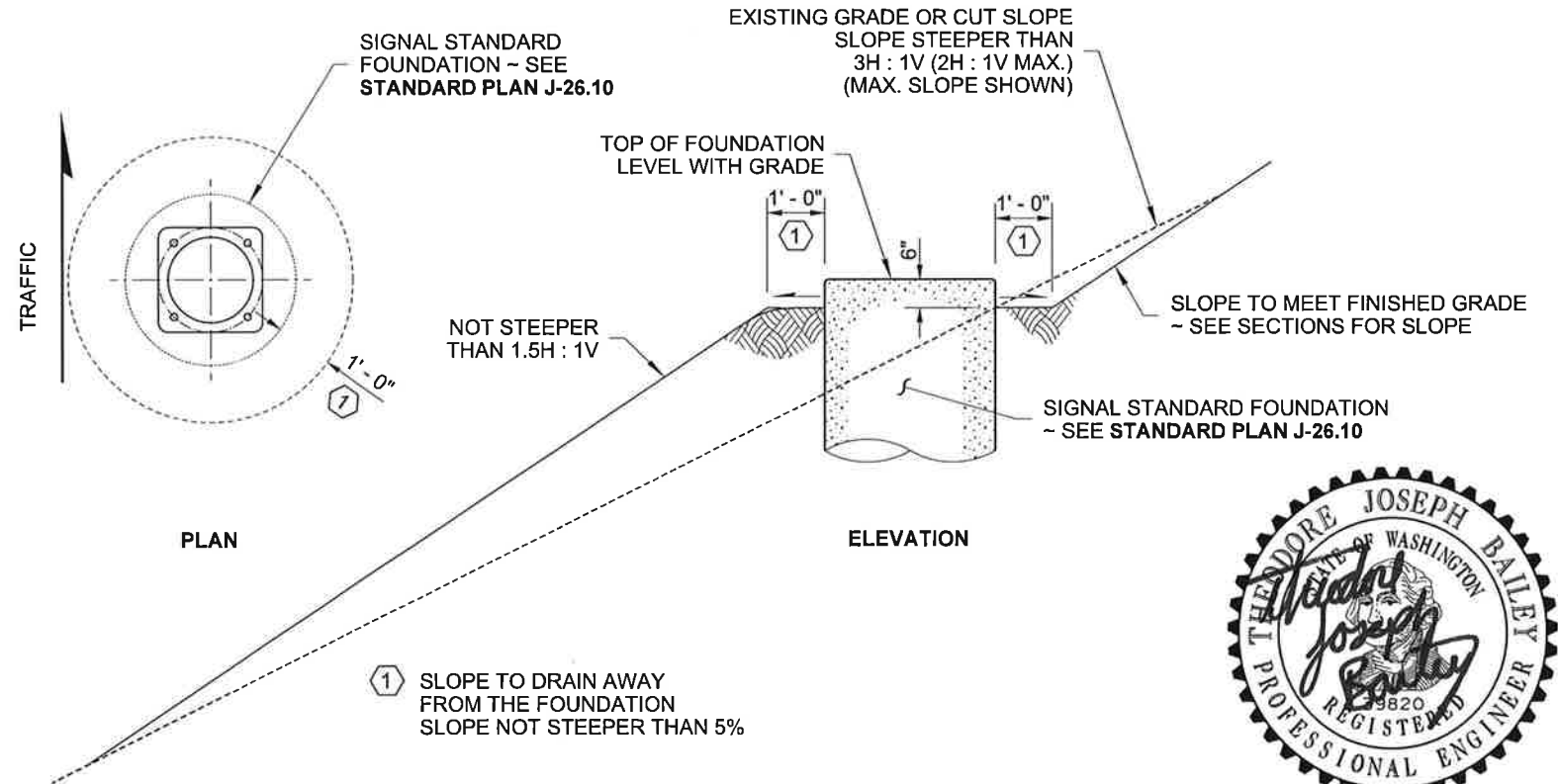
SECTION **B**



**EXISTING GRADE OR CUT SLOPE FLAT TO 10H : 1V
CASE F**



**EXISTING GRADE OR CUT SLOPE 10H : 1V TO ≤ 3H : 1V
CASE G**



**EXISTING GRADE OR CUT SLOPE STEEPER THAN 3H : 1V (2H : 1V MAX.)
CASE H**



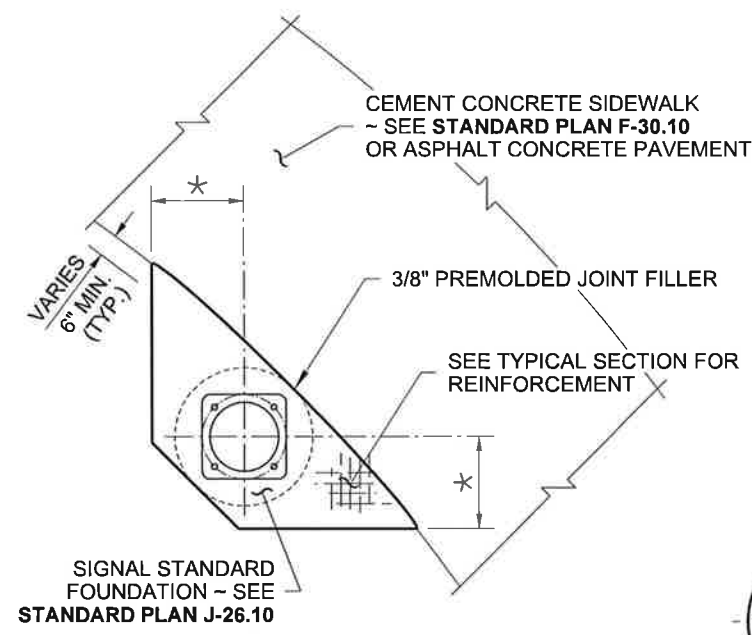
5/15/2012

**SIGNAL STANDARD
FOUNDATION PLACEMENTS
STANDARD PLAN J-26.15-01**

SHEET 2 OF 3 SHEETS

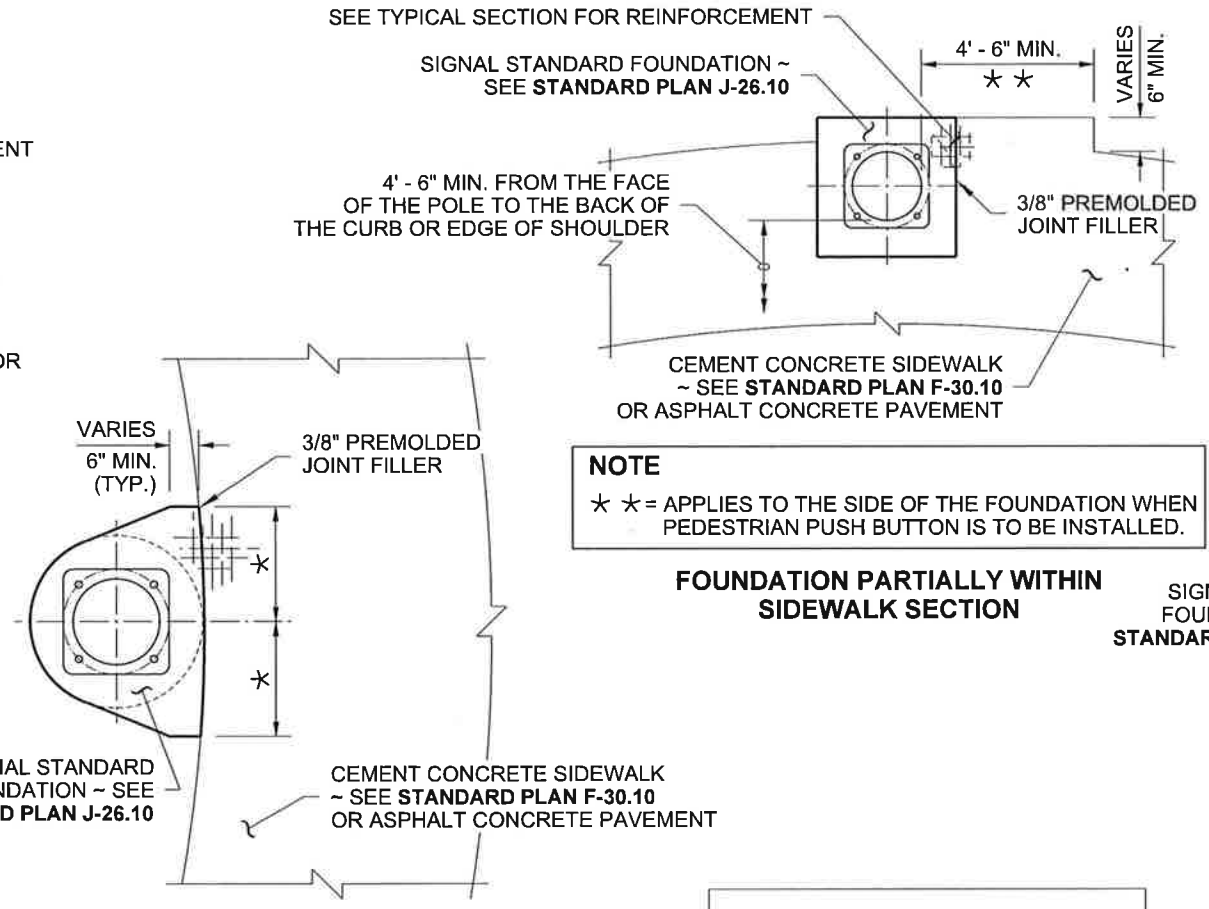
APPROVED FOR PUBLICATION
Paulo B. Bailey 5/15/12
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

DRAWN BY: LISA CYFORD



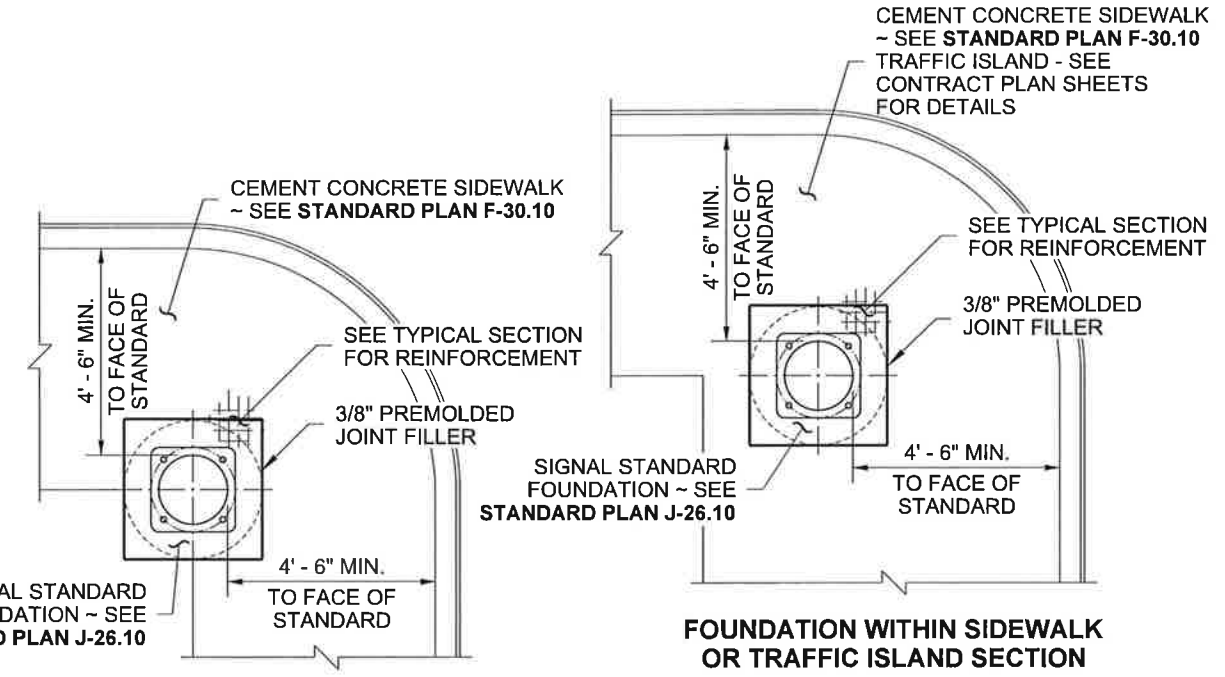
DUAL PEDESTRIAN PUSH BUTTON

NOTE
 * = 2' - 0" FOR 3' - 0" DIAM. FOUNDATION
 2' - 6" FOR 4' - 0" DIAM. FOUNDATION
 2' - 6" FOR 3' - 0" SQUARE FOUNDATION



FOUNDATION PARTIALLY WITHIN SIDEWALK SECTION

NOTE
 * * = APPLIES TO THE SIDE OF THE FOUNDATION WHEN PEDESTRIAN PUSH BUTTON IS TO BE INSTALLED.

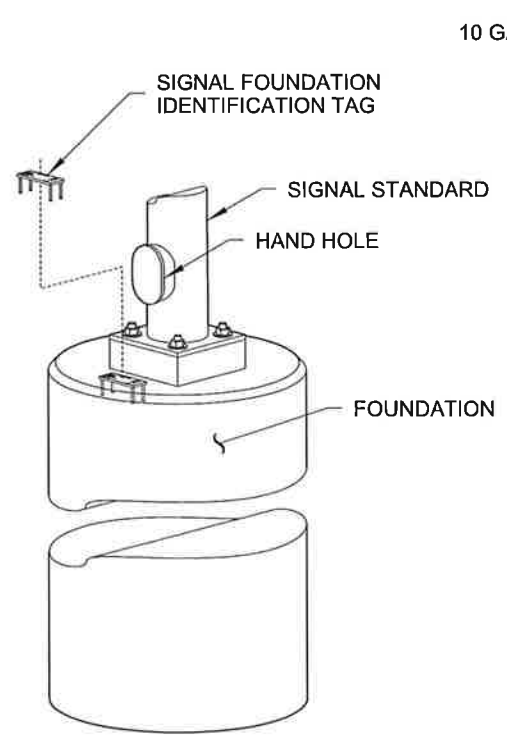


FOUNDATION WITHIN SIDEWALK OR TRAFFIC ISLAND SECTION

NOTE
 REFER TO CONTRACT DOCUMENTS FOR PROJECT SPECIFIC INTERSECTION LAYOUTS & TRAFFIC ISLAND MATERIAL TYPE

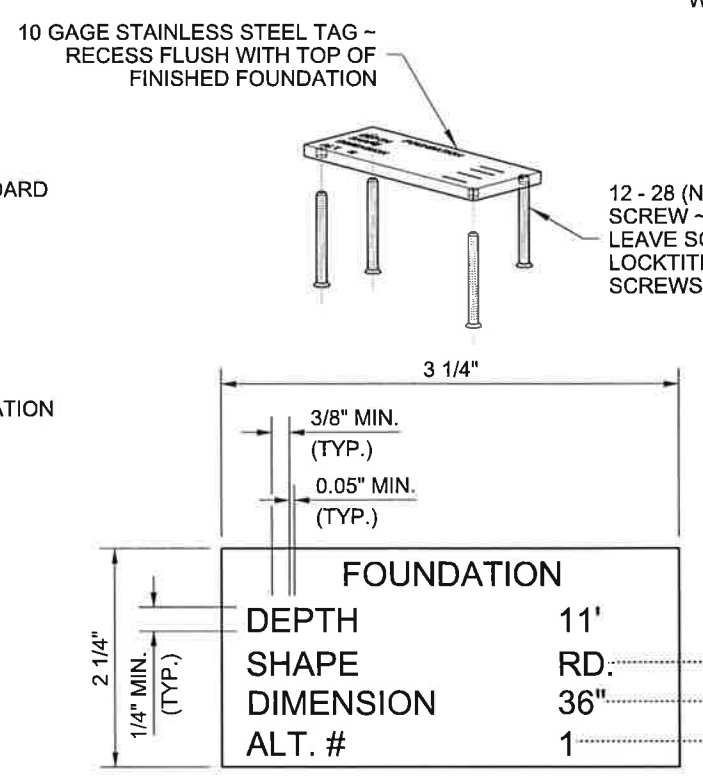
FOUNDATION PARTIALLY WITHIN SIDEWALK SECTION

FOUNDATION OUTSIDE THE SIDEWALK SECTION



OBLIQUE VIEW

REINFORCING AND ANCHOR BOLTS NOT SHOWN FOR CLARITY (GROUT PAD OPTION SHOWN)



SIGNAL FOUNDATION IDENTIFICATION TAG DETAIL

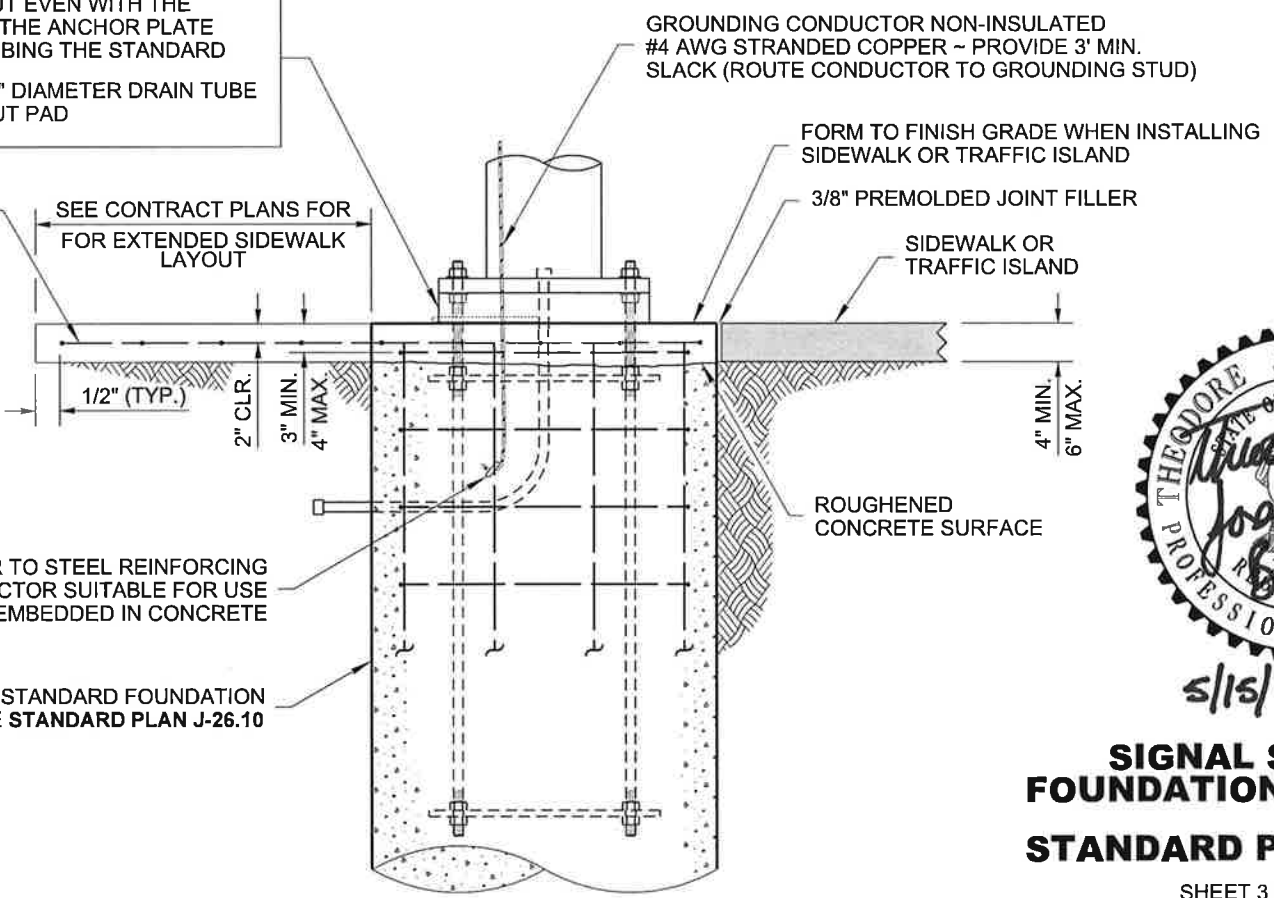
TEXT SHALL BE ENGRAVED 0.014" DEEP

FOUNDATION	
DEPTH	11'
SHAPE	RD. SQUARE OR ROUND
DIMENSION	36" DIAMETER OR WIDTH
ALT. #	1 ALTERNATE 1 OR 2 ~ SEE STANDARD PLAN J-26.10

APPLY GROUT EVEN WITH THE BOTTOM OF THE ANCHOR PLATE AFTER PLUMBING THE STANDARD
 PROVIDE 3/8" DIAMETER DRAIN TUBE IN THE GROUT PAD

CLAMP CONDUCTOR TO STEEL REINFORCING WITH LISTED CONNECTOR SUITABLE FOR USE EMBEDDED IN CONCRETE

SIGNAL STANDARD FOUNDATION ~ SEE STANDARD PLAN J-26.10



NOTE
 FOUNDATION REINFORCING ONLY PARTIALLY SHOWN FOR CLARITY. ~ SEE STANDARD PLAN J-26.10 FOR DETAILS NOT SHOWN.

TYPICAL SECTION



5/15/2012

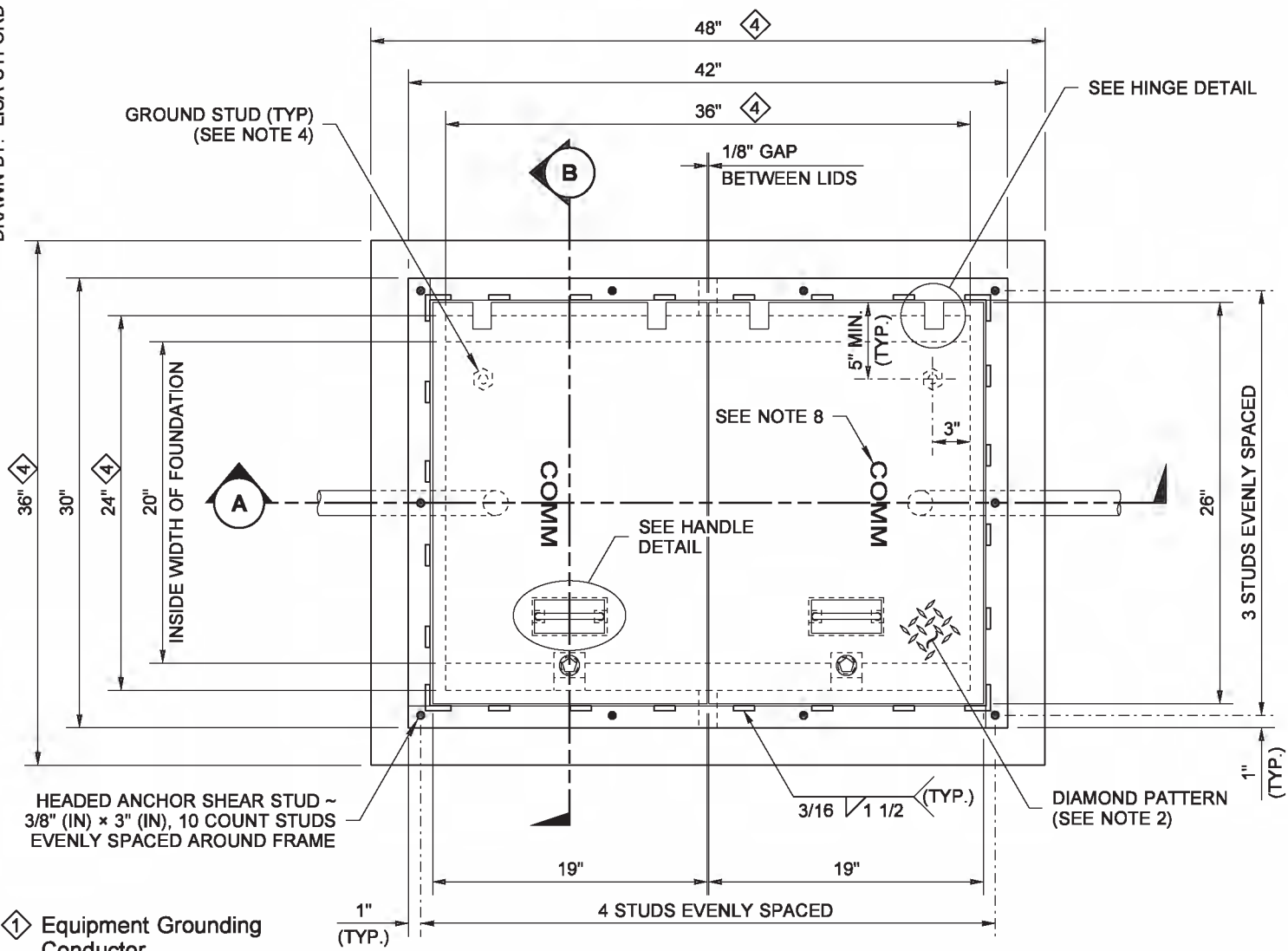
SIGNAL STANDARD FOUNDATION PLACEMENTS
STANDARD PLAN J-26.15-01

SHEET 3 OF 3 SHEETS

APPROVED FOR PUBLICATION

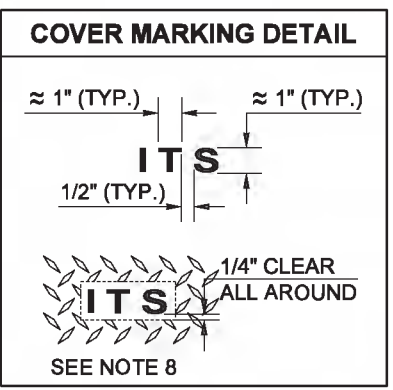
 STATE DESIGN ENGINEER 5/17/12 DATE
 Washington State Department of Transportation

DRAWN BY: LISA CYFORD



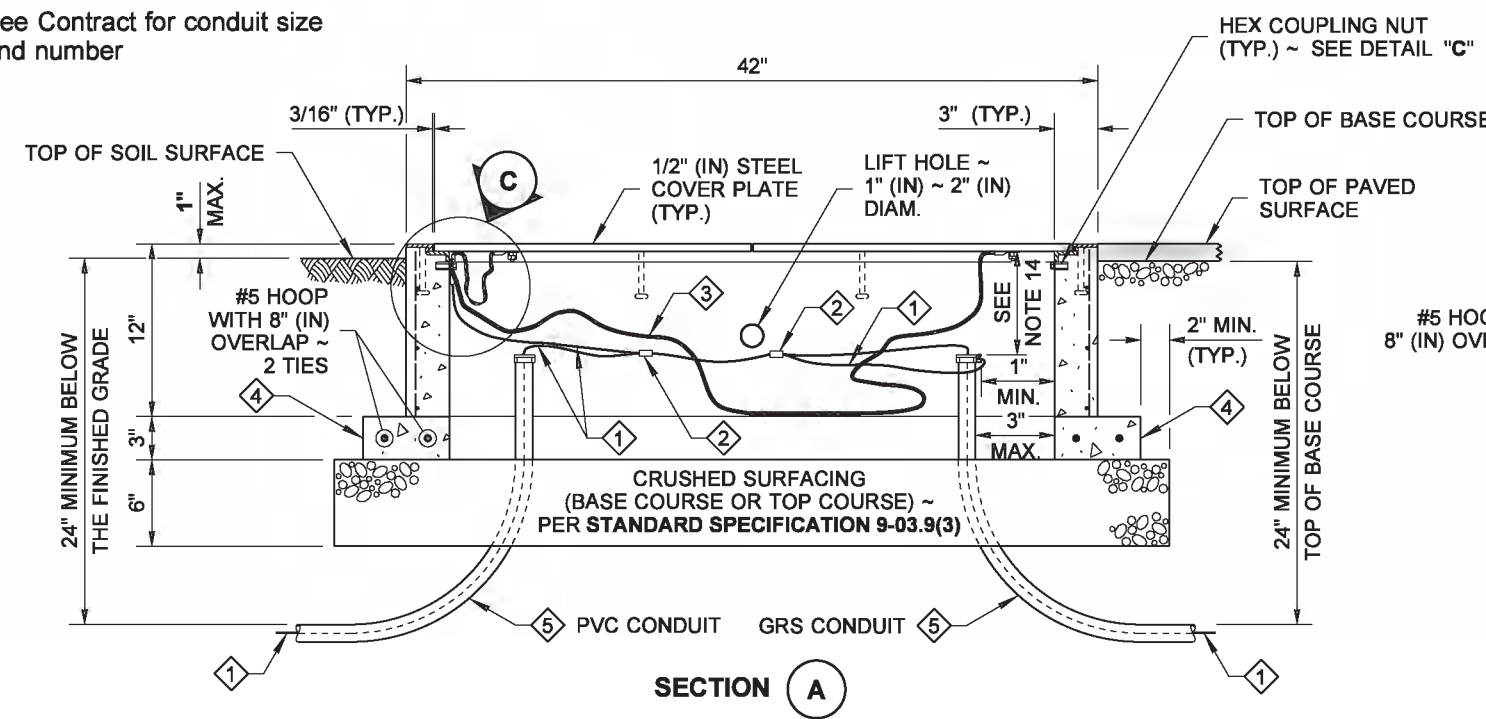
PLAN VIEW
LOCKING LID STANDARD DUTY JUNCTION BOX

- ① Equipment Grounding Conductor
- ② Copper Solderless Crimp Connector
- ③ Equipment Bonding Jumper
- ④ Foundation
- ⑤ See Contract for conduit size and number

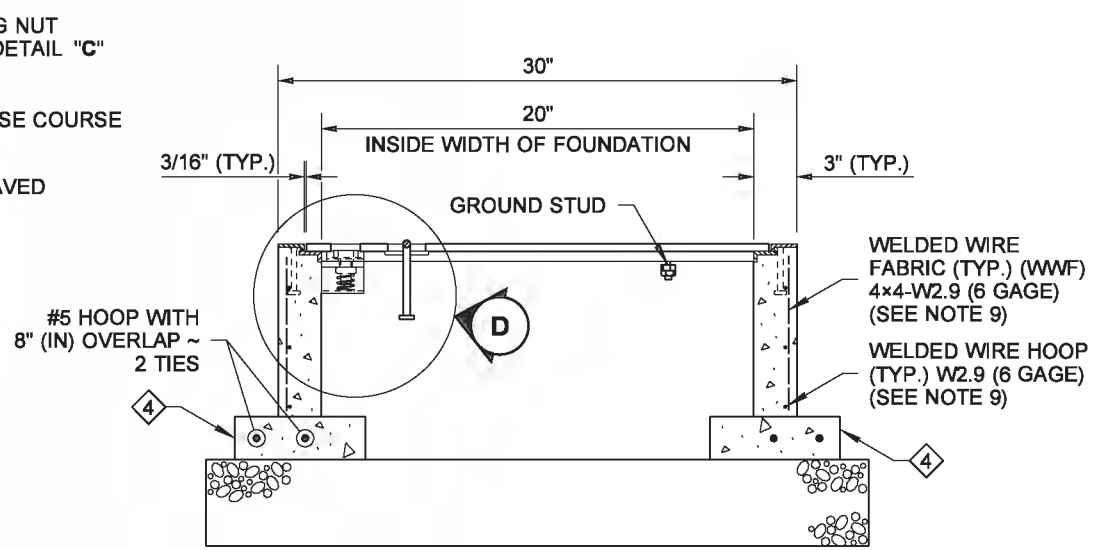


NOTES

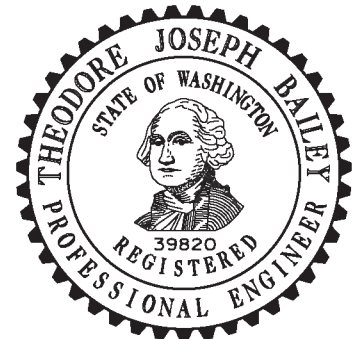
1. All box dimensions are approximate. Exact configurations vary among manufacturers.
2. Minimum lid thicknesses are shown. Junction Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and lip cover plate and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use path. The non-slip lid shall be identified with permanent markings on the underside, indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The permanent marking shall be 1/8" (in) line thickness formed with a mild steel weld bead and shall be placed prior to hot-dip galvanizing.
3. Lid support members shall be 3/16" (in) min. thick steel C, L, or T shape, welded to the frame. Exact configurations vary among manufacturers.
4. A 1/4-20 NC x 3/4" (in) S. S. ground stud shall be welded to the bottom of each lid; include (2) S. S. nuts and (2) S. S. flat washers.
5. The hinges shall allow the lids to open 180°.
6. Bolts and nuts shall be liberally coated with anti-seize compound.
7. Connect Equipment Bonding Jumper to ground stud on lid. As an alternative to the ground stud connection, the Equipment Bonding Jumper shall be attached to the front face of the hinge pocket with a 5/16-20 NC x 3/4" (in) S. S. bolt, (2) each S. S. nuts, and (2) each S. S. flat washers. Equipment Bonding Jumper shall be #8 AWG min. x 4' (ft) of tinned braided copper.
8. The System Identification letters shall be 1/8" (in) line thickness formed by a mild steel weld bead. See Cover Marking detail. Grind off diamond pattern before forming letters. See **Standard Specification 9-29.2(4)** for details.
9. See the **Standard Specifications** for alternative reinforcement and class of concrete.
10. See **Standard Plan J-40.10** for Welded Wire Fabric and Headed Anchor Shear Stud attachment details.
11. Capacity ~ conduit diameter = 24" (in)
12. Lid Bolt Down Attachment Tab provides a method of retrofitting by using a mechanical process in lieu of welding. Attachment Tab shown depicts a typical component arrangement; actual configurations of assembly will vary among manufacturers. See approved manufacturers' shop drawing for specifics.
13. Unless otherwise noted in the plans or approved by the Engineer, Junction Boxes, Cable Vaults and Pull Boxes shall not be placed within the sidewalk, walkway, shared use path, traveled way or paved shoulders. All Junction Boxes, Cable Vaults, and Pull Boxes placed within the traveled way or paved shoulders shall be Heavy-Duty.
14. Distance between the top of the conduit and the bottom of the Junction Box lid shall be 6" (in) min. to 8" (in) max. for final grade of new construction only. See **Standard Specification 8-20.3(5)**. Where adjustments are to be made to existing Junction Boxes, or for interim construction stages during the contract, the limits shall be from 6" (in) min. to 10" (in) max. See **Standard Specification 8-20.3(6)**.



SECTION A

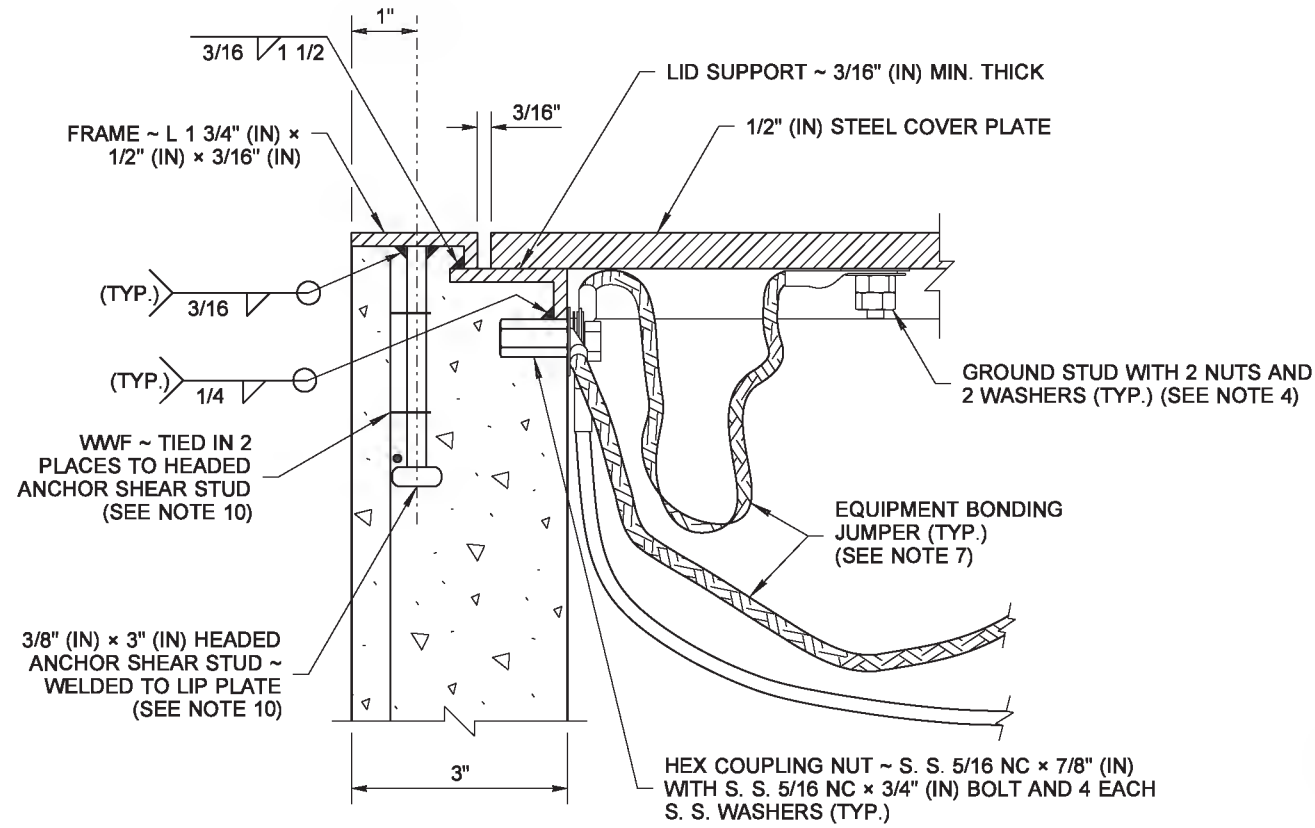


SECTION B
CONDUITS NOT SHOWN

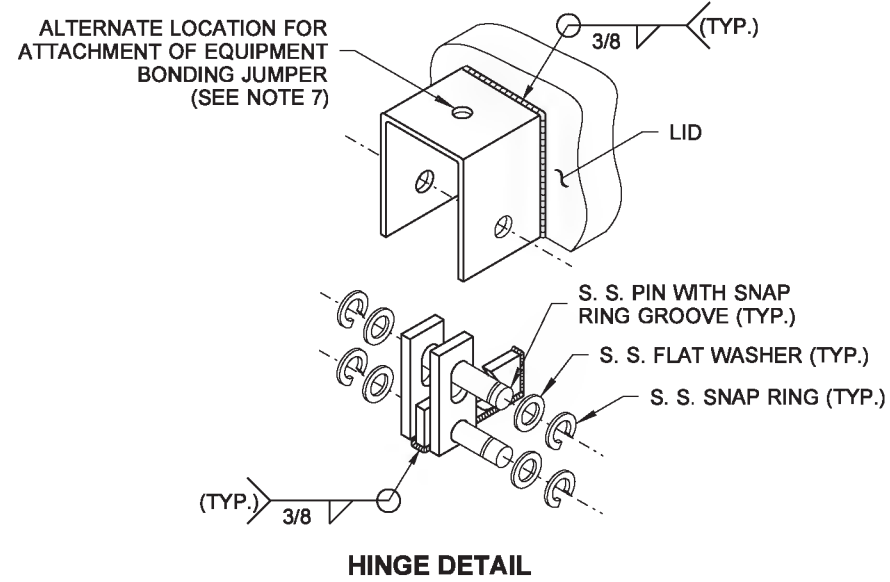


THEODORE JOSEPH BAILEY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
39820
Bailey, Ted
Apr 25 2016 5:09 PM
LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 8
STANDARD PLAN J-40.30-04

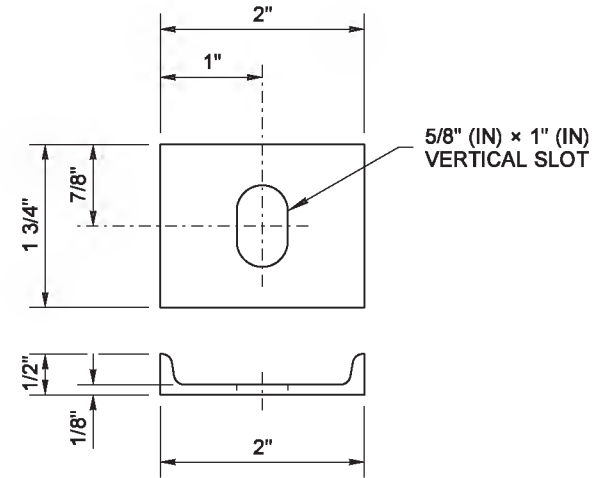
SHEET 1 OF 2 SHEETS
APPROVED FOR PUBLICATION
Carpenter, Jeff
Apr 28 2016 3:15 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation



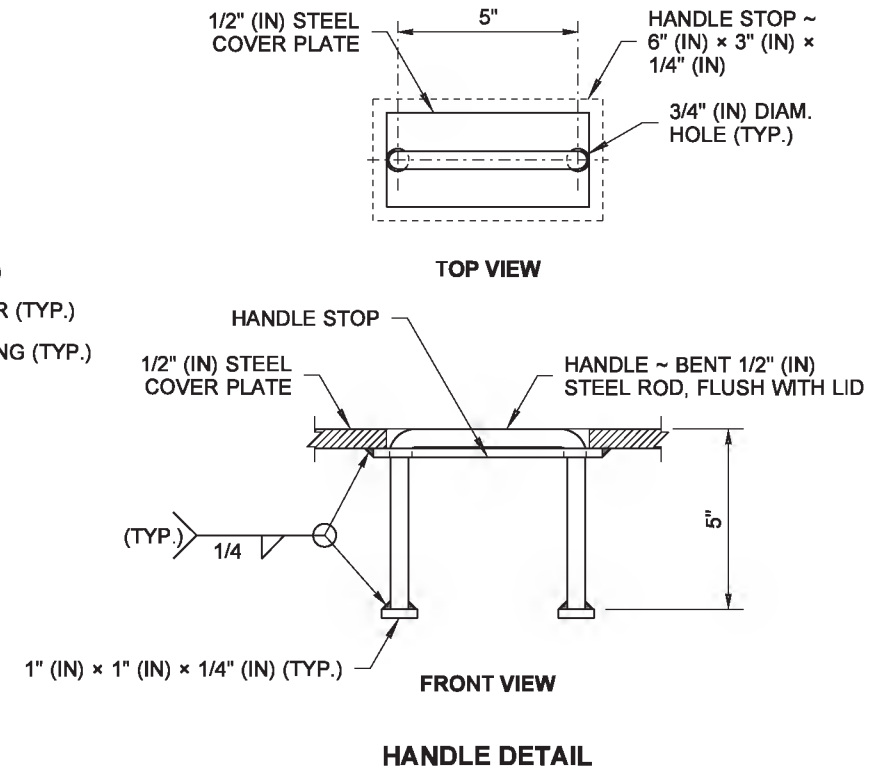
DETAIL C



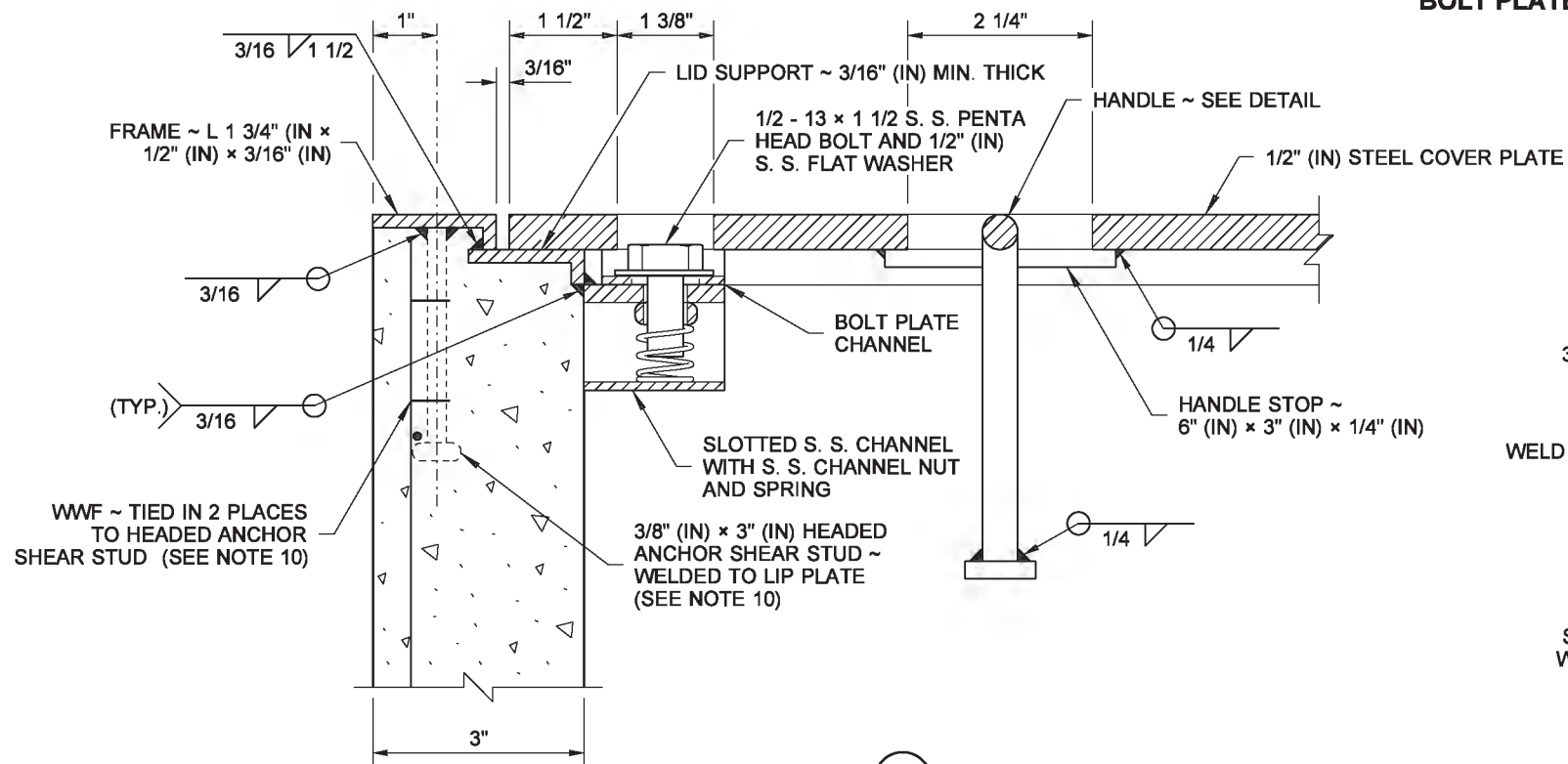
HINGE DETAIL



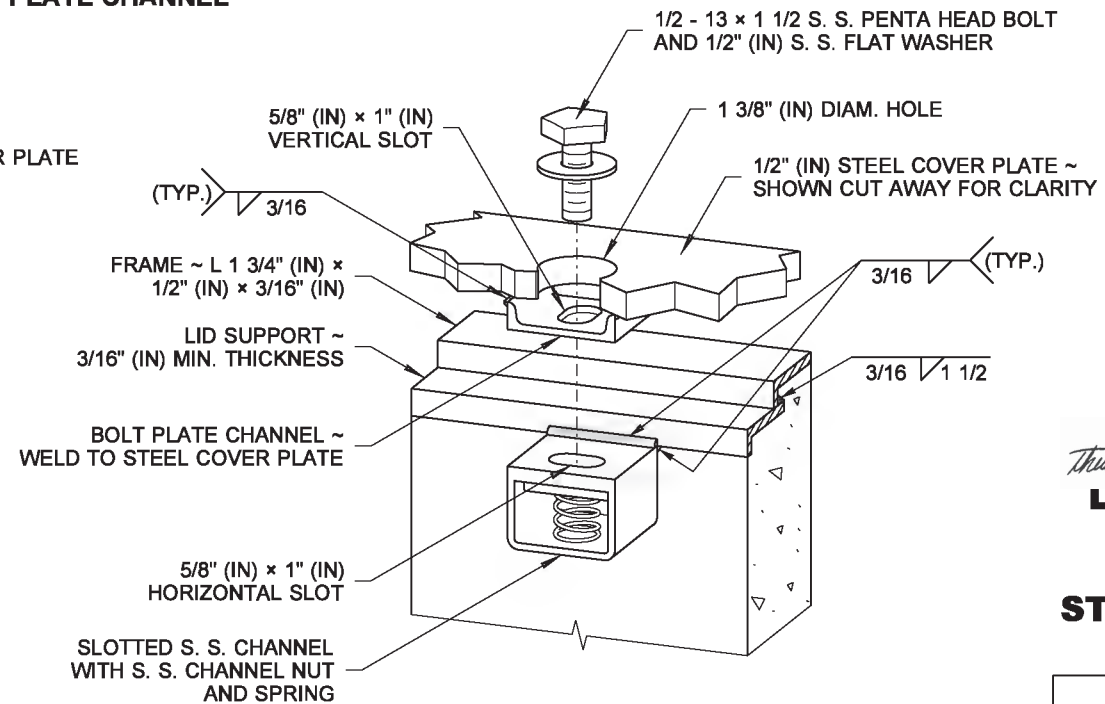
BOLT PLATE CHANNEL



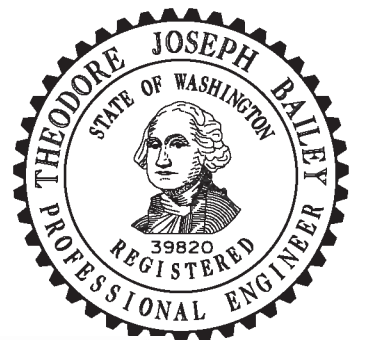
HANDLE DETAIL



DETAIL D



DETAIL D ISOMETRIC VIEW



Theodore Joseph Bailey Apr 25 2016 5:10 PM

LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 8 STANDARD PLAN J-40.30-04

SHEET 2 OF 2 SHEETS

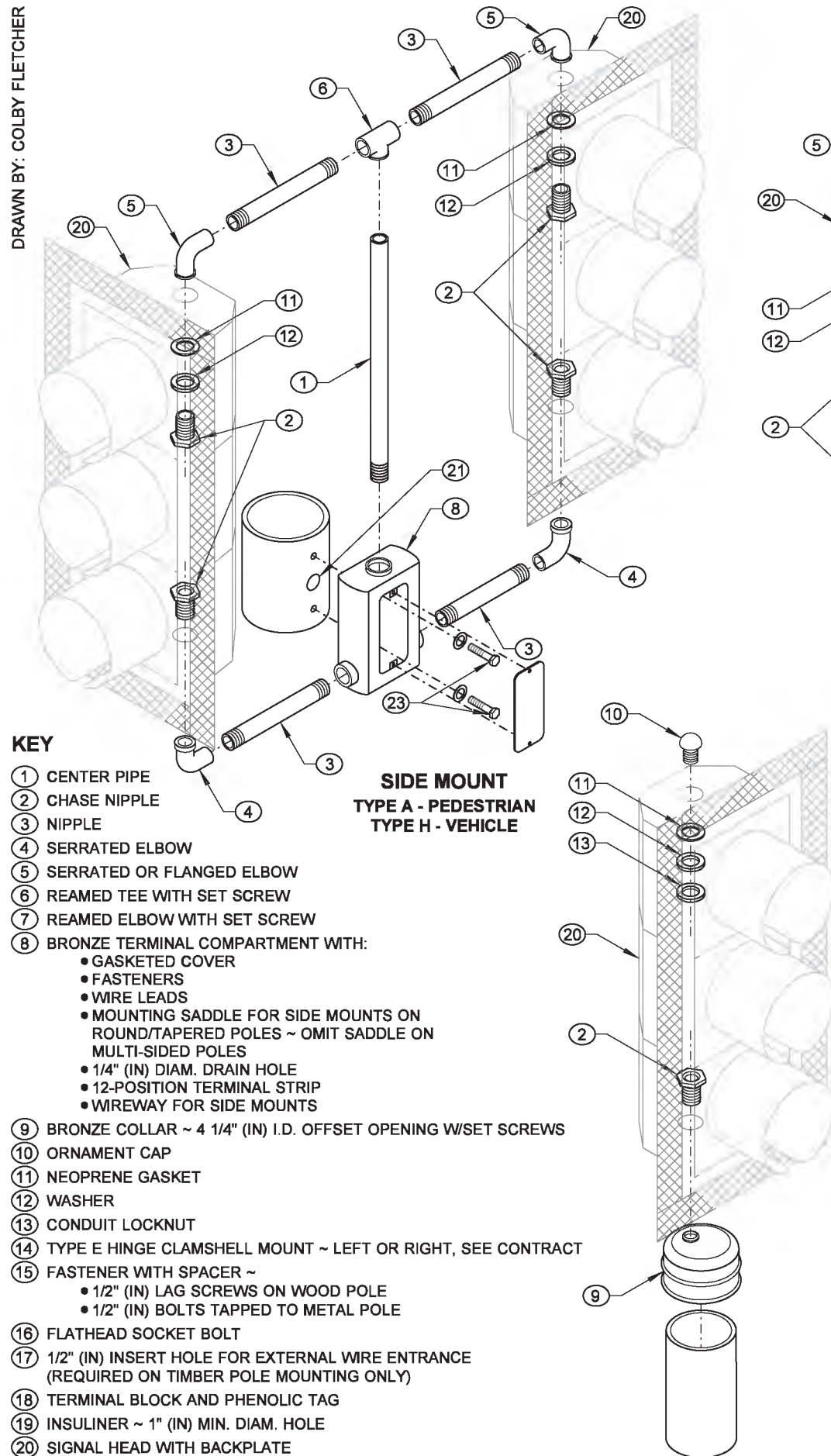
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Carpenter, Jeff Carpenter, Jeff
Apr 28 2016 3:15 PM

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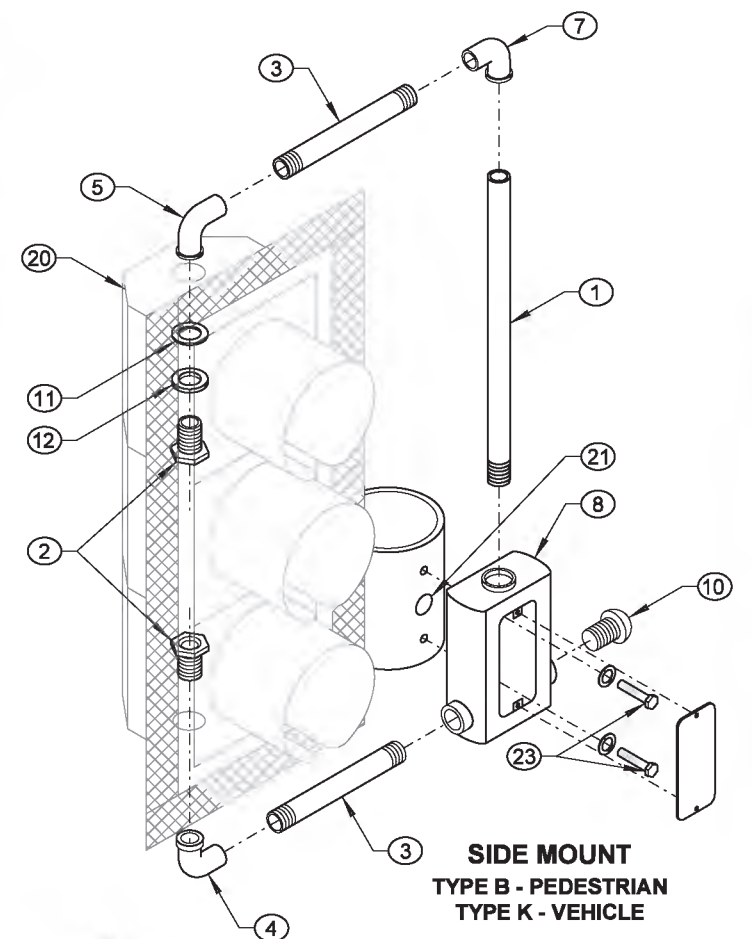


DRAWN BY: COLBY FLETCHER

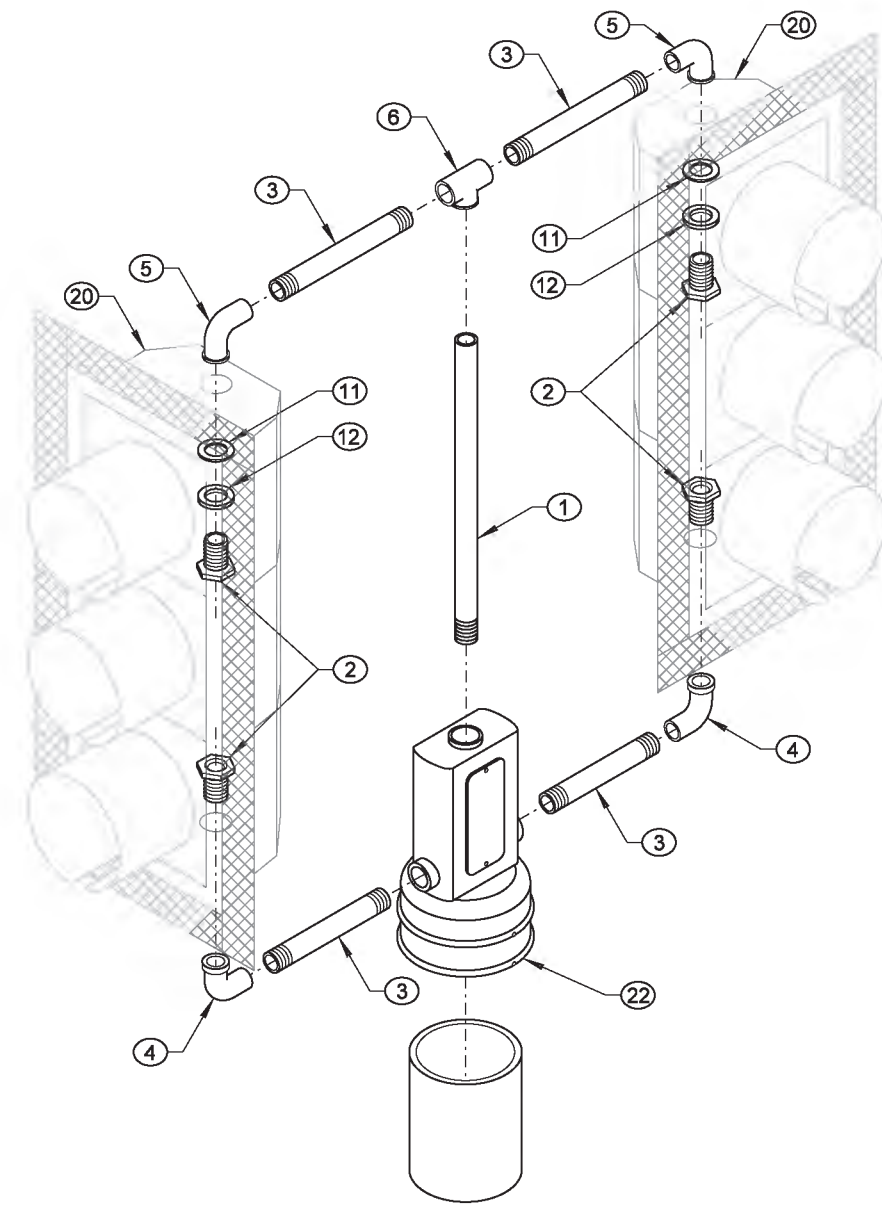


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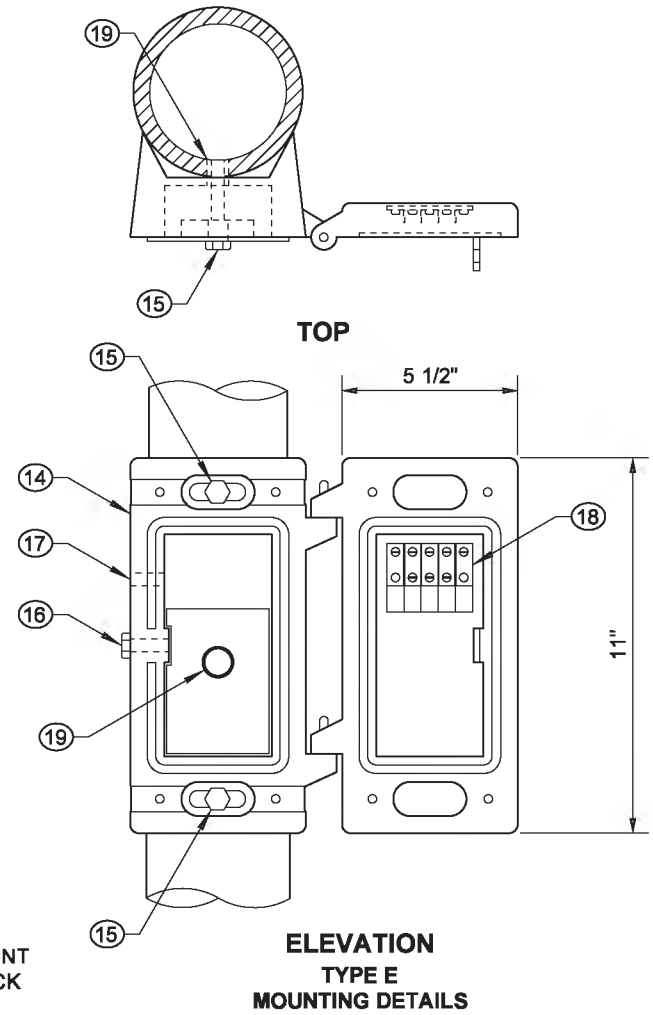
- ① CENTER PIPE
- ② CHASE NIPPLE
- ③ NIPPLE
- ④ SERRATED ELBOW
- ⑤ SERRATED OR FLANGED ELBOW
- ⑥ REAMED TEE WITH SET SCREW
- ⑦ REAMED ELBOW WITH SET SCREW
- ⑧ BRONZE TERMINAL COMPARTMENT WITH:
 - GASKETED COVER
 - FASTENERS
 - WIRE LEADS
 - MOUNTING SADDLE FOR SIDE MOUNTS ON ROUND/TAPERED POLES ~ OMIT SADDLE ON MULTI-SIDED POLES
 - 1/4" (IN) DIAM. DRAIN HOLE
 - 12-POSITION TERMINAL STRIP
 - WIREWAY FOR SIDE MOUNTS
- ⑨ BRONZE COLLAR ~ 4 1/4" (IN) I.D. OFFSET OPENING W/SET SCREWS
- ⑩ ORNAMENT CAP
- ⑪ NEOPRENE GASKET
- ⑫ WASHER
- ⑬ CONDUIT LOCKNUT
- ⑭ TYPE E HINGE CLAMSHELL MOUNT ~ LEFT OR RIGHT, SEE CONTRACT
- ⑮ FASTENER WITH SPACER ~
 - 1/2" (IN) LAG SCREWS ON WOOD POLE
 - 1/2" (IN) BOLTS TAPPED TO METAL POLE
- ⑯ FLATHEAD SOCKET BOLT
- ⑰ 1/2" (IN) INSERT HOLE FOR EXTERNAL WIRE ENTRANCE (REQUIRED ON TIMBER POLE MOUNTING ONLY)
- ⑱ TERMINAL BLOCK AND PHENOLIC TAG
- ⑲ INSULINER ~ 1" (IN) MIN. DIAM. HOLE
- ⑳ SIGNAL HEAD WITH BACKPLATE
- ㉑ FIELD DRILL POLE AND INSERT AN INSULINER OR SIMILAR DEVICE TO PROTECT CONDUCTORS
- ㉒ SIMILAR TO ⑧ WITH BRONZE INTEGRAL COLLAR
- ㉓ 1/2" (IN) DIAM. x 3" (IN) LONG BOLT WITH WASHER



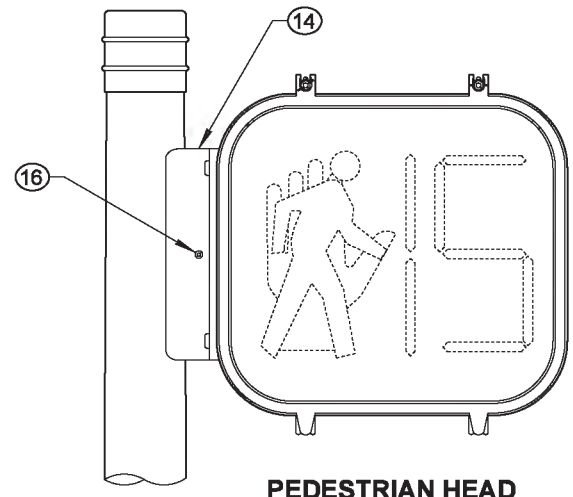
**SIDE MOUNT
TYPE B - PEDESTRIAN
TYPE K - VEHICLE**



**TOP MOUNT
TYPE C - PEDESTRIAN
TYPE F - VEHICLE**



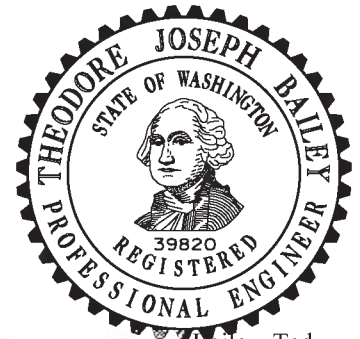
**ELEVATION
TYPE E
MOUNTING DETAILS**



**PEDESTRIAN HEAD
SIDE MOUNT
(LEFT SIDE SHOWN)
TYPE E - COUNTDOWN LED
PEDESTRIAN HEAD**

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.

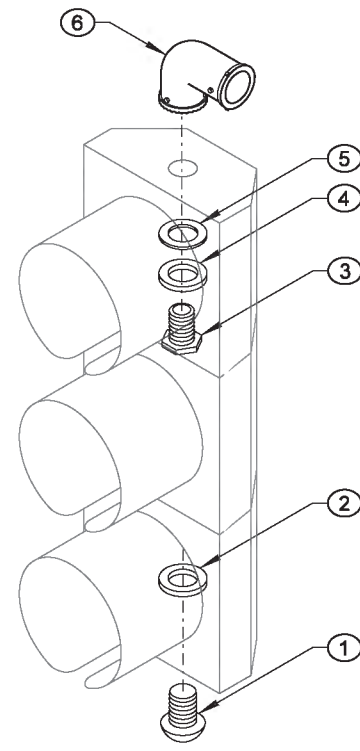


Theodore Joseph Bailey Bailey, Ted
Jul 8 2015 3:09 PM

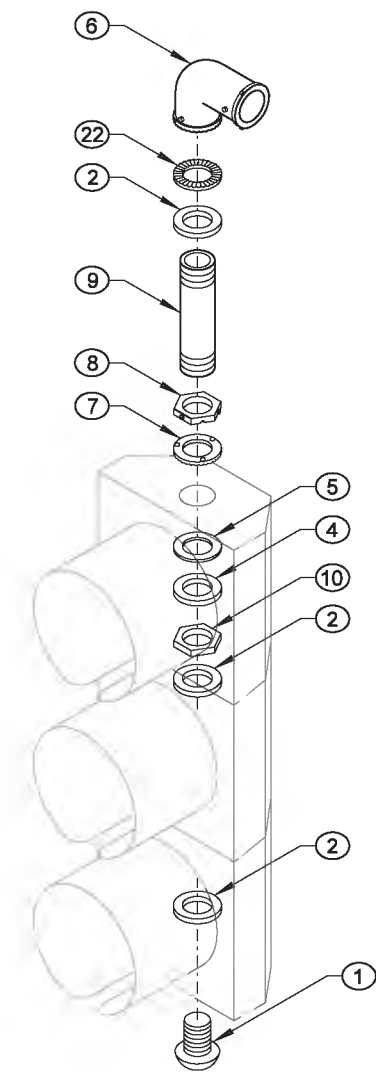
**SIGNAL HEAD MOUNTING
DETAILS ~ POLE AND POST
TOP MOUNTINGS
STANDARD PLAN J-75.10-02**

SHEET 1 OF 1 SHEET

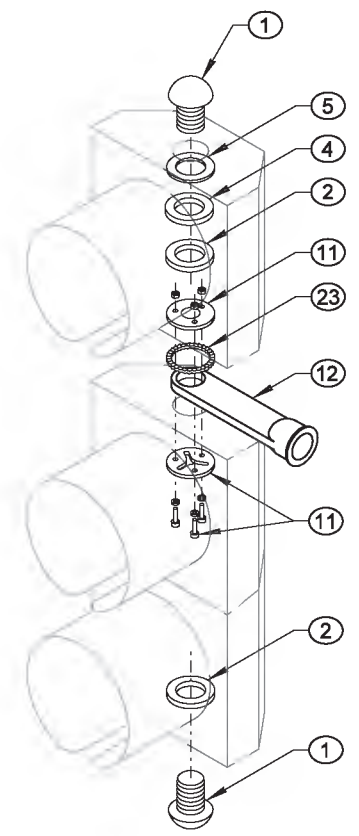
APPROVED FOR PUBLICATION.
Carpenter, Jeff
Jul 10 2015 7:19 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation



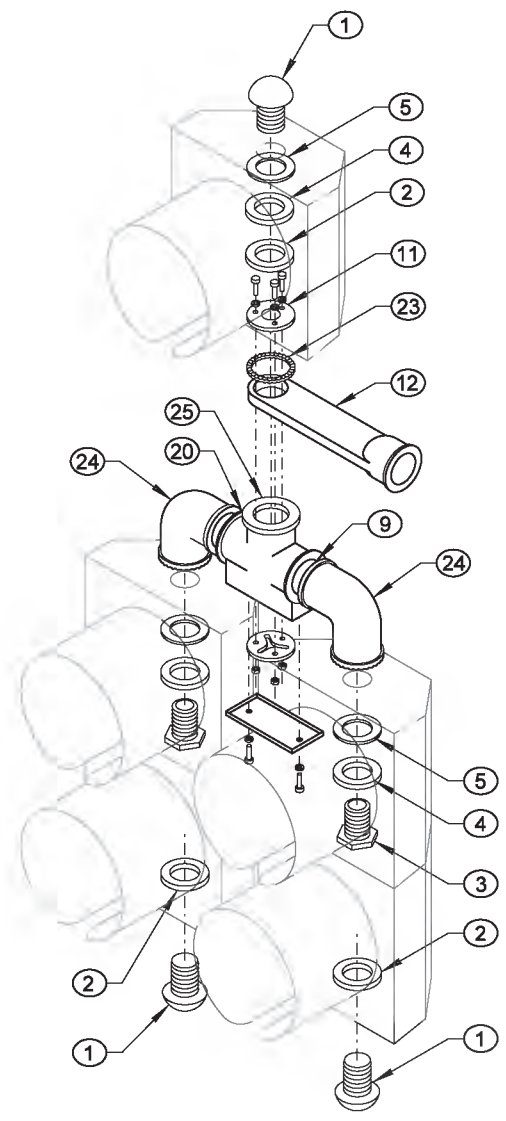
ARM MOUNT TYPE L



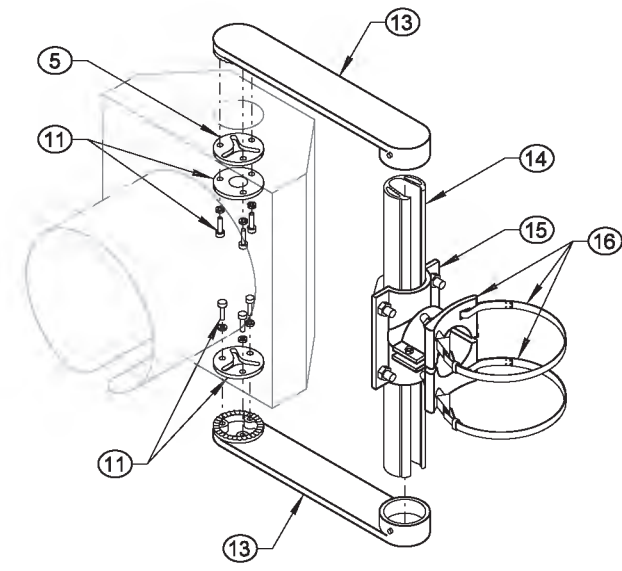
ARM MOUNT TYPE LE



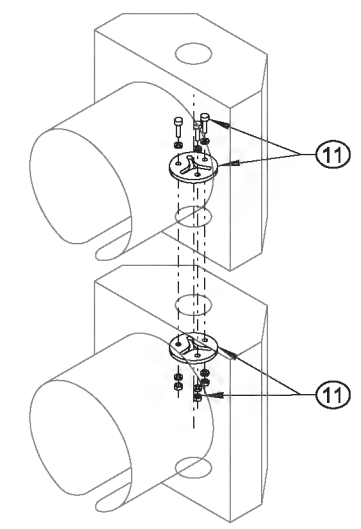
ARM MOUNT TYPE M



ARM MOUNT TYPE M-5S (TYPE M WITH 5-SECTION HEAD)



ARM MOUNT TYPE N



HOUSING FIXTURE CONNECTION DETAIL

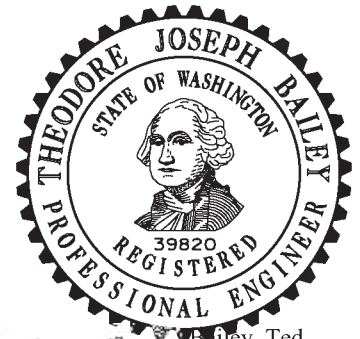
KEY

- 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 AND GASKET
- 26 1 1/2" (IN) DIAM. SERRATED COUPLING
- 27 1 1/2" (IN) BREAKAWAY TETHER ASSEMBLY WITH OPTIONAL EXTENDER BAR
- 28 SERRATED CROSS

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

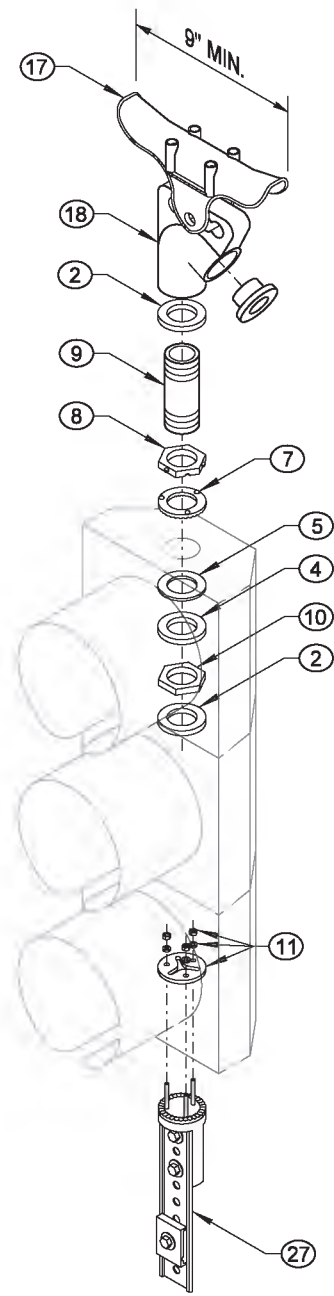


Theodore Joseph Bailey, Ted Bailey, Ted
 Jul 8 2015 3:10 PM

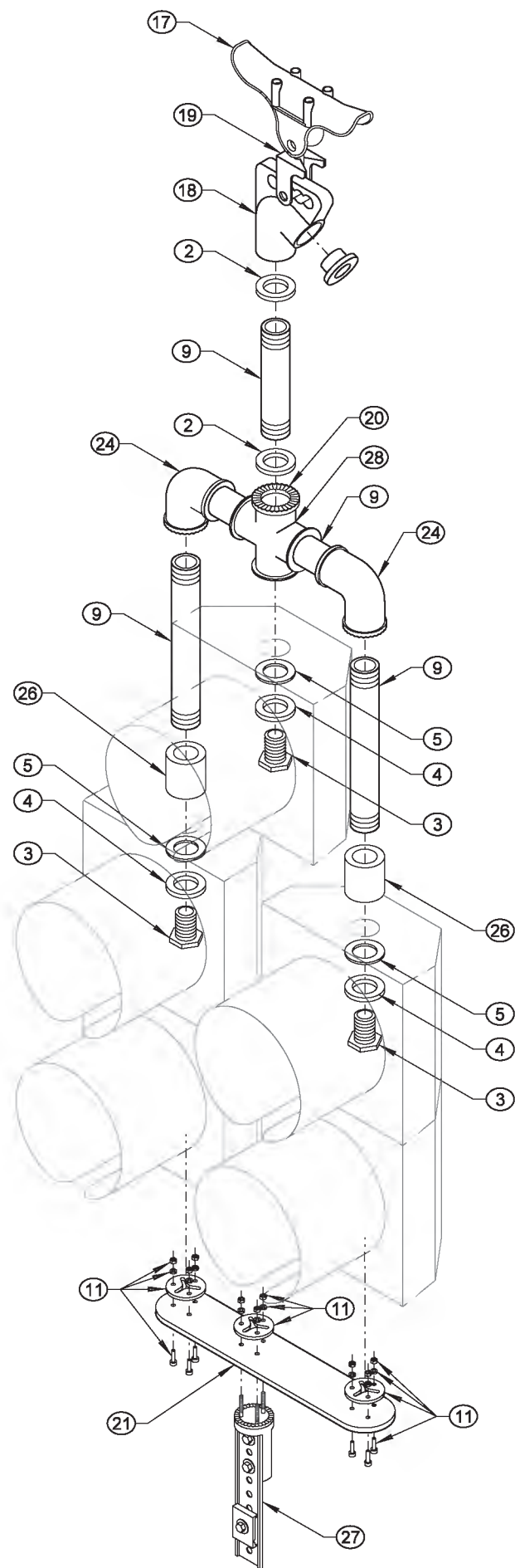
SIGNAL HEAD MOUNTING DETAILS ~ MAST ARM AND SPAN WIRE MOUNTINGS
STANDARD PLAN J-75.20-01

SHEET 1 OF 2 SHEETS

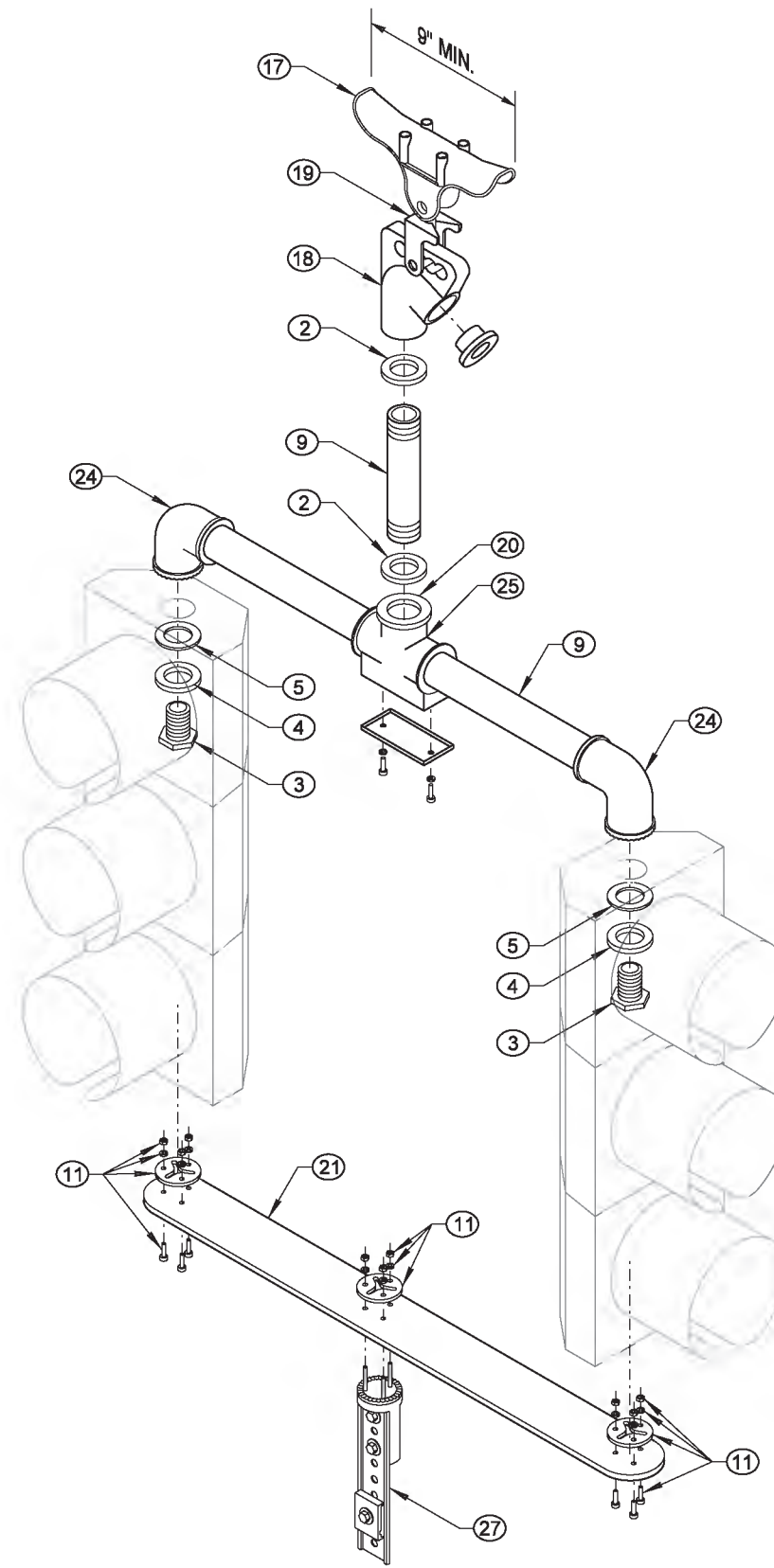
APPROVED FOR PUBLICATION
 Carpenter, Jeff
 Jul 10 2015 7:18 AM
 STATE DESIGN ENGINEER
 Washington State Department of Transportation



**SPAN WIRE
TYPE P (1 HEAD)**

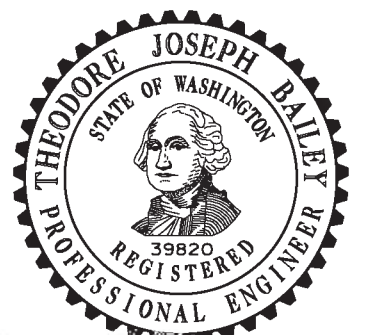


**SPAN WIRE
TYPE P-5S
(TYPE P WITH 5-SECTION HEAD)**



**SPAN WIRE
TYPE Q (2 HEADS)
TYPE R (3 HEADS)
TYPE S (4 HEADS)**

**NOTE: BACKPLATES NOT SHOWN
FOR CLARITY**



Theodore Joseph Bailey Bailey, Ted
Jul 8 2015 3:10 PM

**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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Carpenter, Jeff

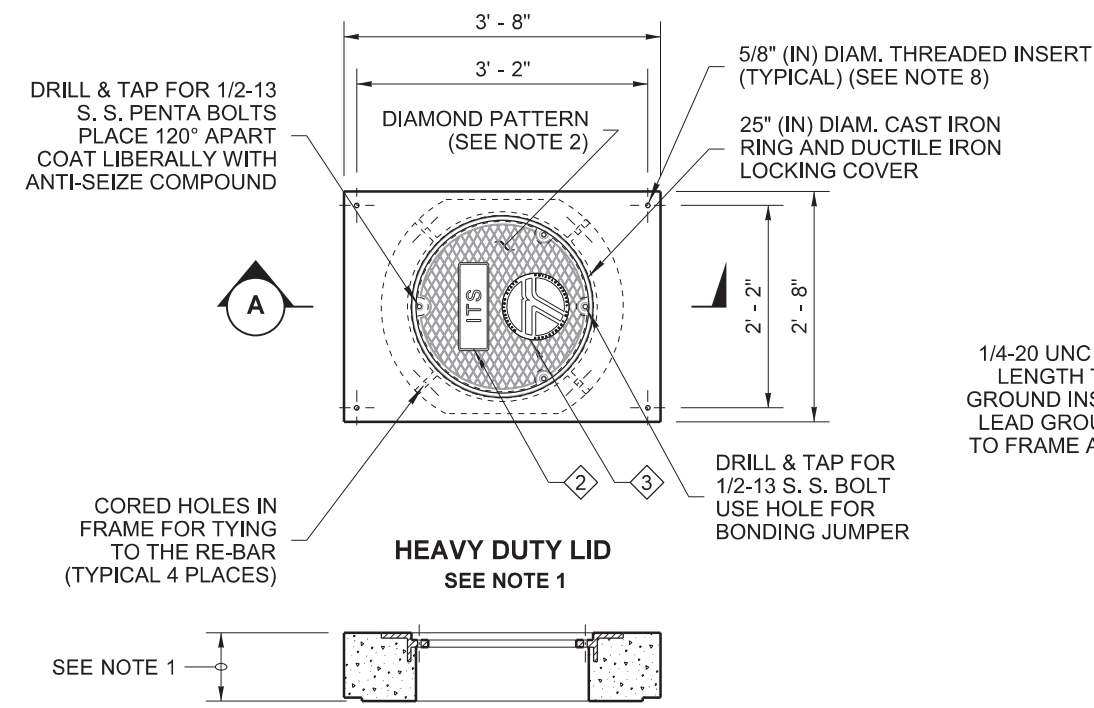
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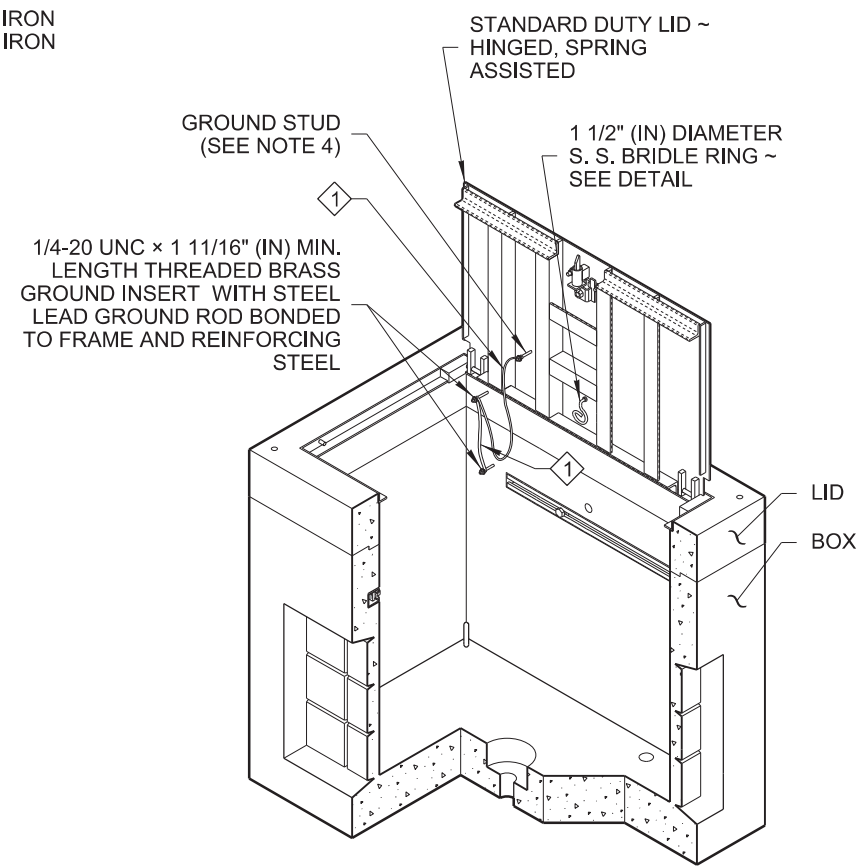
Washington State Department of Transportation

DRAWN BY: LISA CYFORD

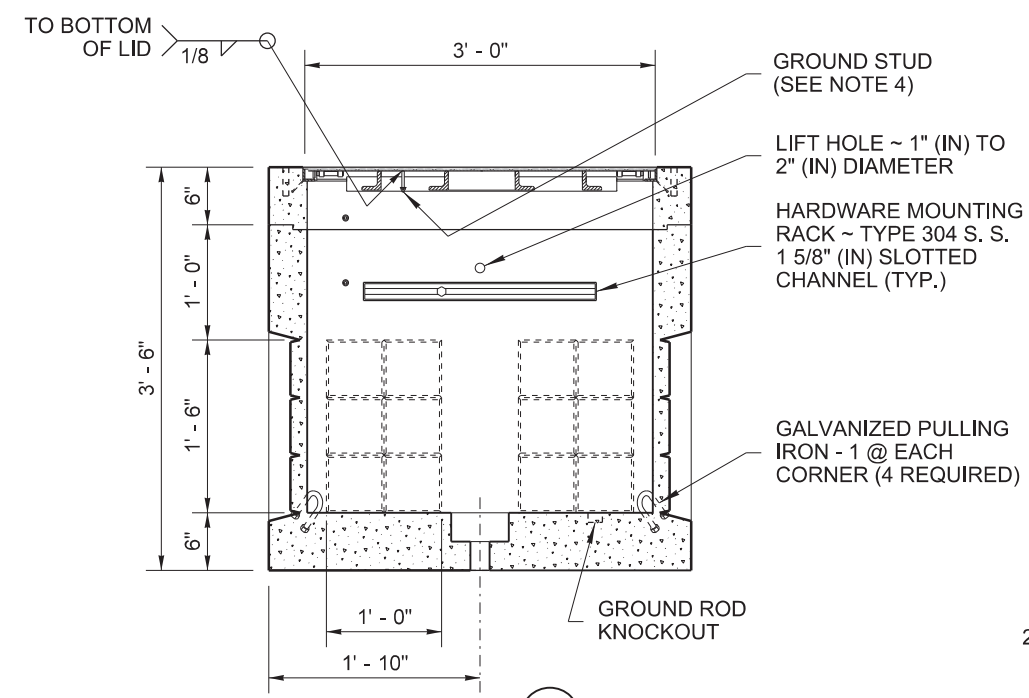
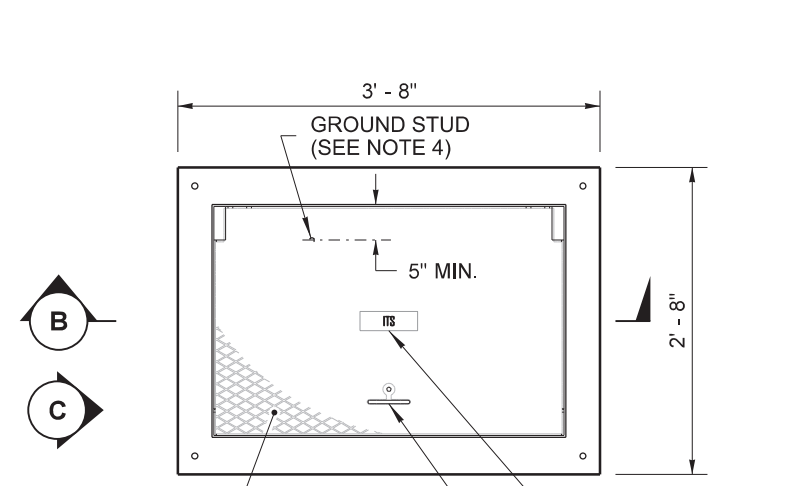


SECTION A
(LID NOT SHOWN)

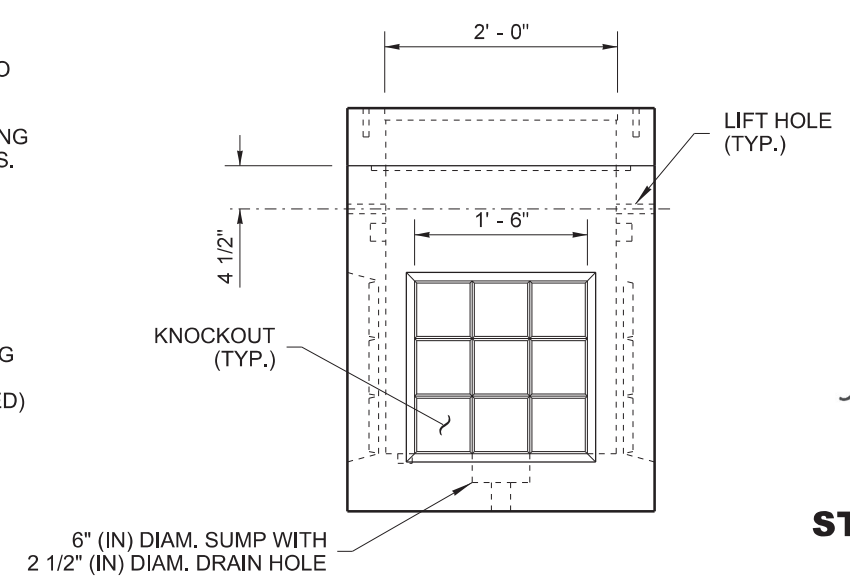
- ① EQUIPMENT BONDING JUMPER (SEE NOTE 5)
- ② SYSTEM IDENTIFICATION (SEE NOTE 6)
- ③ AGENCY LOGO (SEE DETAIL, SHEET 2)



ISOMETRIC CUTAWAY



PULL BOX ASSEMBLY
(SHOWN WITH STANDARD DUTY LID)



NOTES

1. The Heavy Duty Lid thickness varies by installation type:
 - a.) 9" (in) for all new installations
 - b.) 6" (in) for existing boxes with no roadway overlay
 - c.) Such that it is flush with the surface of the new overlay, when a new overlay is specified
2. Minimum lid thickness shown. The diamond pattern shall be a minimum of 3/32" (in) thick.
3. Slip-resistant lids shall be identified with a permanent marking on the underside of the lid, indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The marking shall use 1/8" (in) thick lines formed with a weld bead, and shall be placed prior to galvanizing.
4. For Standard Duty Lids, attach a 1/4-20 UNC x 1" (in) S. S. ground stud, coated with anti-sieze compound. For Heavy Duty Lids, install a 1/2-13 UNC x 1 1/4" (in) S. S. bolt in a 5/8" (in) diameter cored hole in the ductile iron lid gusset as a ground stud. All ground studs shall include (3) S. S. nuts and (2) S. S. flat washers. See **Standard Plan J-90.50** for grounding and bonding details.
5. The bonding jumper between the lid and frame shall be #8 AWG (min.) x 4' (ft) tinned braided copper.
6. System identification letters shall use 1/8" (in) wide lines. Cover marking for steel lids shall be formed by casting or with a mild steel weld bead. Cover marking for ductile iron lids shall be recessed. See **COVER MARKING DETAIL** and **Standard Specification section 9-29.2(4)** for additional details. Ductile iron lids shall also provide a minimum 1 1/2" (in) wide x 3 1/2" high x 3/16" (in) thick, flat area for lifting purposes.
7. Cement concrete shall be Class 4000.
8. Plastic plugs shall be put into the lid inserts after fabrication and the lid installation.
9. Conduit Capacity = 40 inches (sum total of all conduit diameters).
10. This drawing depicts a typical Pull Box assembly. Reinforcing not shown. Each manufacturer's Pull Box assembly will vary. Refer to the approved manufacturer's shop drawings for all dimensions and the actual arrangement.
11. The lid is an assembly consisting of the metal lid and frame, reinforcing steel, brass ground inserts, and concrete.
12. #3 reinforcing bar shall be capable of being bent out of the way and restored, to allow for conduit installation.



Neeley, Matthew
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PULL BOX

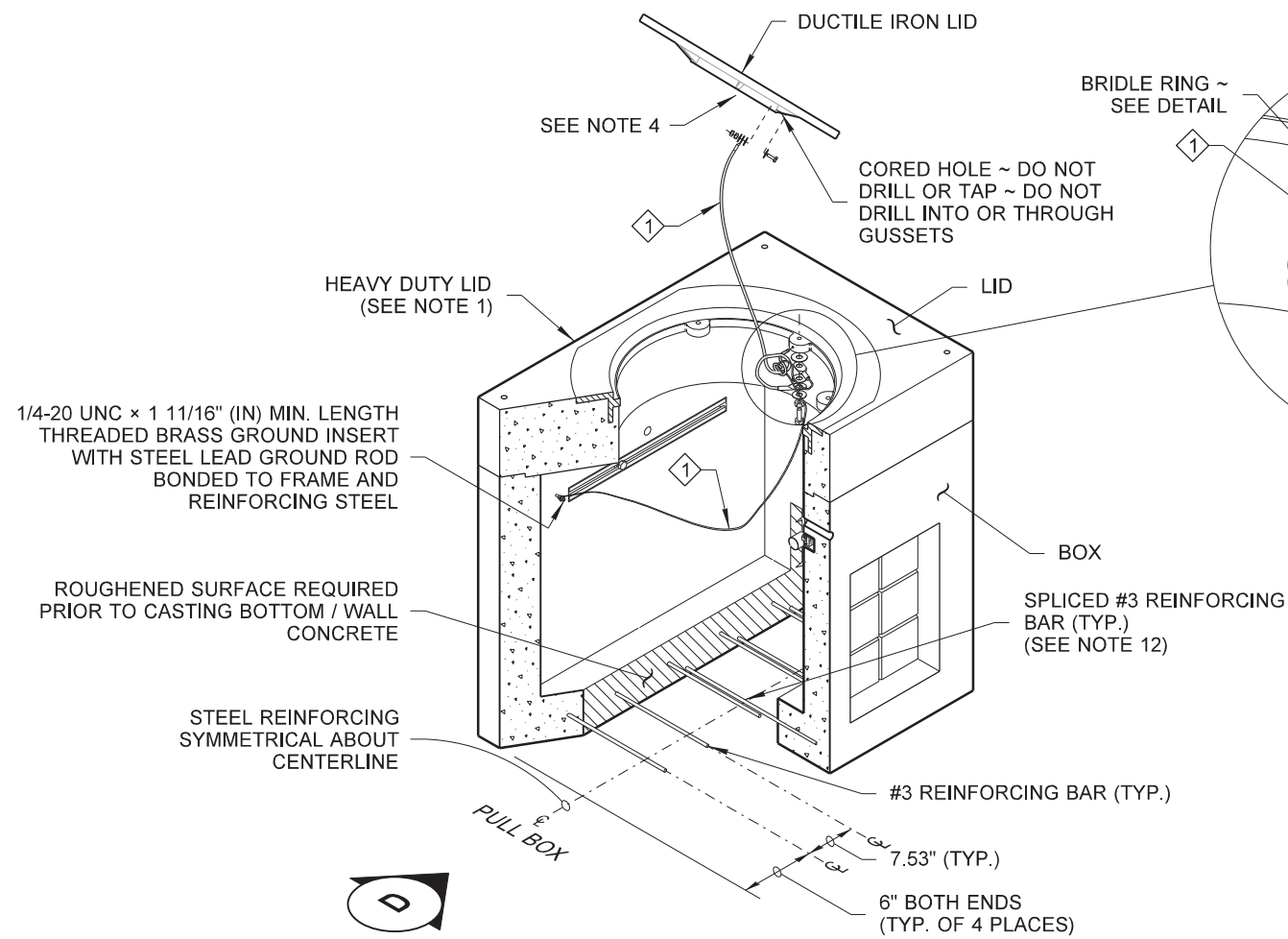
STANDARD PLAN J-90.10-03

SHEET 1 OF 2 SHEETS

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Washington State Department of Transportation

DRAWN BY: LISA CYFORD

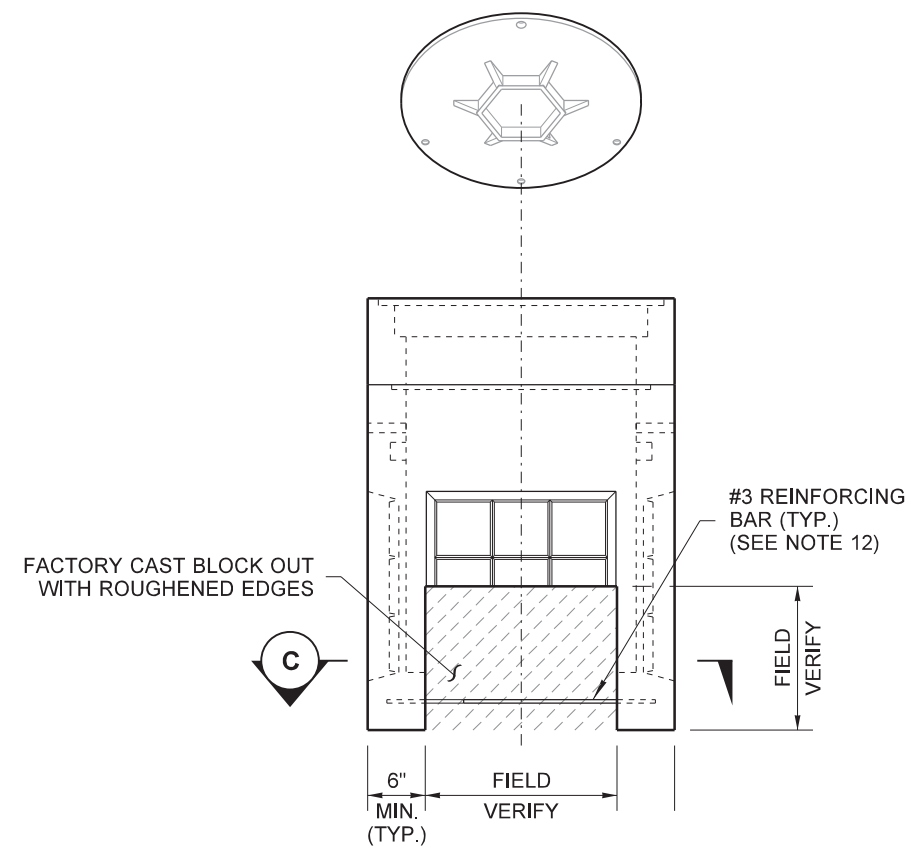


ISOMETRIC CUTAWY

OPEN BOTTOM PULL BOX ASSEMBLY
(SHOWN WITH HEAVY DUTY LID)

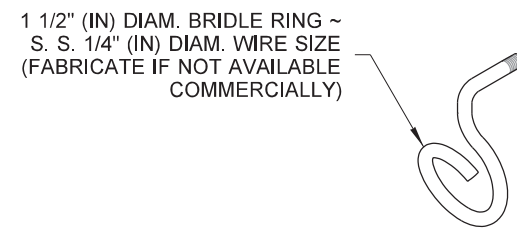
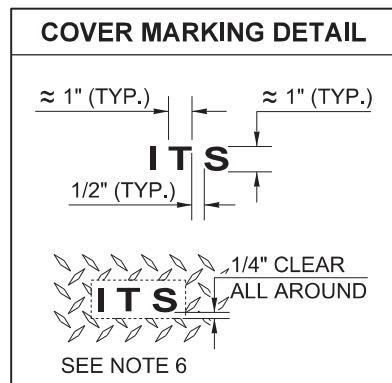
SEE PULL BOX, SHEET 1, FOR DIMENSIONS NOT SHOWN

* BOLTS, NUTS AND WASHERS ~
ASTM F593 OR A193,
TYPE 304 OR TYPE 316
STAINLESS STEEL (S.S.)

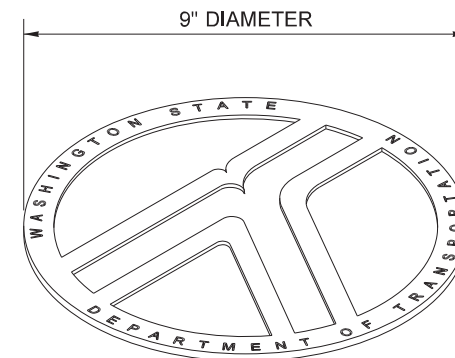


VIEW D

SECTION C



BRIDLE RING DETAIL



LOGO DETAIL



Matthew J. Neeley
Neeley, Matthew
Jun 25 2018 12:52 PM
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PULL BOX

STANDARD PLAN J-90.10-03

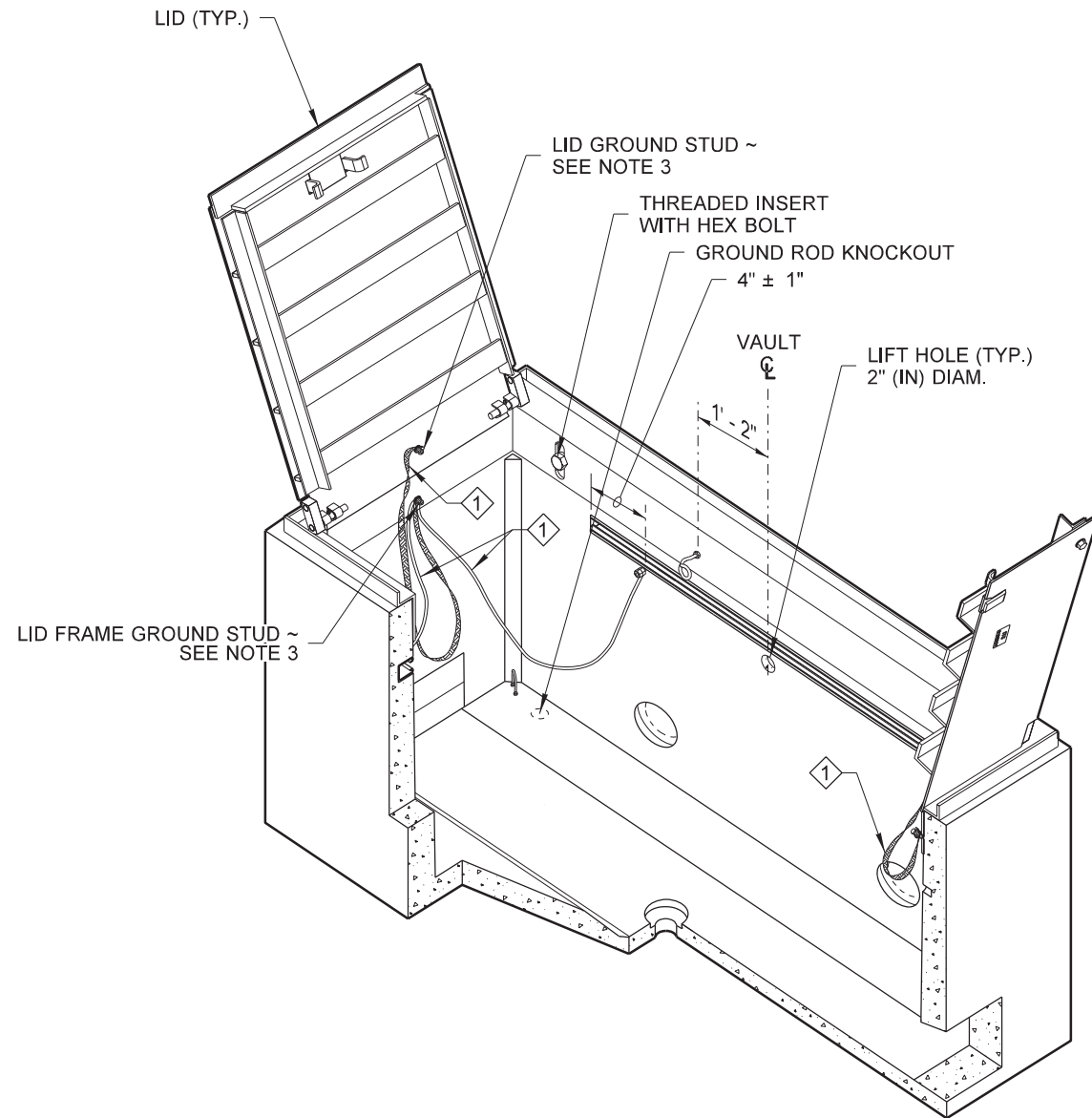
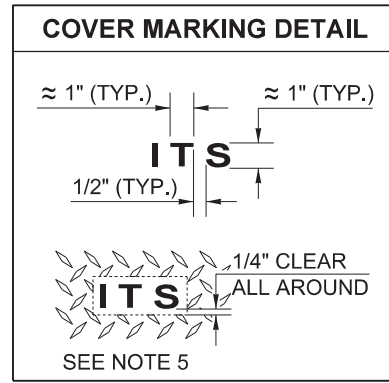
SHEET 2 OF 2 SHEETS

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ISOMETRIC CUTAWAY ASSEMBLY

NOTES

1. The diamond pattern shall be a minimum of 3/32" (in) thick.
2. Slip-resistant lids shall be identified with a permanent marking on the underside of the lid, indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The marking shall use 1/8" (in) thick lines formed with a weld bead, and shall be placed prior to galvanizing.
3. A 1/4 - 20 UNC x 1" (in) ground stud with three nuts and two flat washers shall be welded to each lid and coated with anti-seize compound. A 1/4 - 20 UNC x 1" (in) ground stud with three nuts and four washers shall be welded to the frame and coated with anti-seize compound. See **Standard Plan J-90.50** for grounding and bonding details.
4. The bonding jumper between the lid and the frame shall be #8 AWG (min.) x 4' (ft) tinned braided copper.
5. The system identification letters shall be 1/8" (in) line thickness formed with a mild steel weld bead. See **COVER MARKING DETAIL, See Standard Specification Section 9-29.2(4)**.
6. Cement concrete shall be Class 4000.
7. Conduit Capacity = 40 inches (sum total of all conduit diameters).
8. Typical Small Cable Vault features and arrangement shown. Reinforcing not shown. Dimensions and arrangements will vary slightly by manufacturer. See Approved shop drawings.
9. Small Cable Vaults for WSDOT Projects shall only be installed with the lid frame bearing on the concrete portion of cable vault.

* BOLTS, NUTS AND WASHERS ~
ASTM F593 OR A193,
TYPE 304 OR TYPE 316
STAINLESS STEEL (S.S.)

① EQUIPMENT BONDING JUMPER (SEE NOTE 4)



Matthew J. Neeley
 Neeley, Matthew
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SMALL CABLE VAULT

STANDARD PLAN J-90.21-02

SHEET 1 OF 2 SHEETS

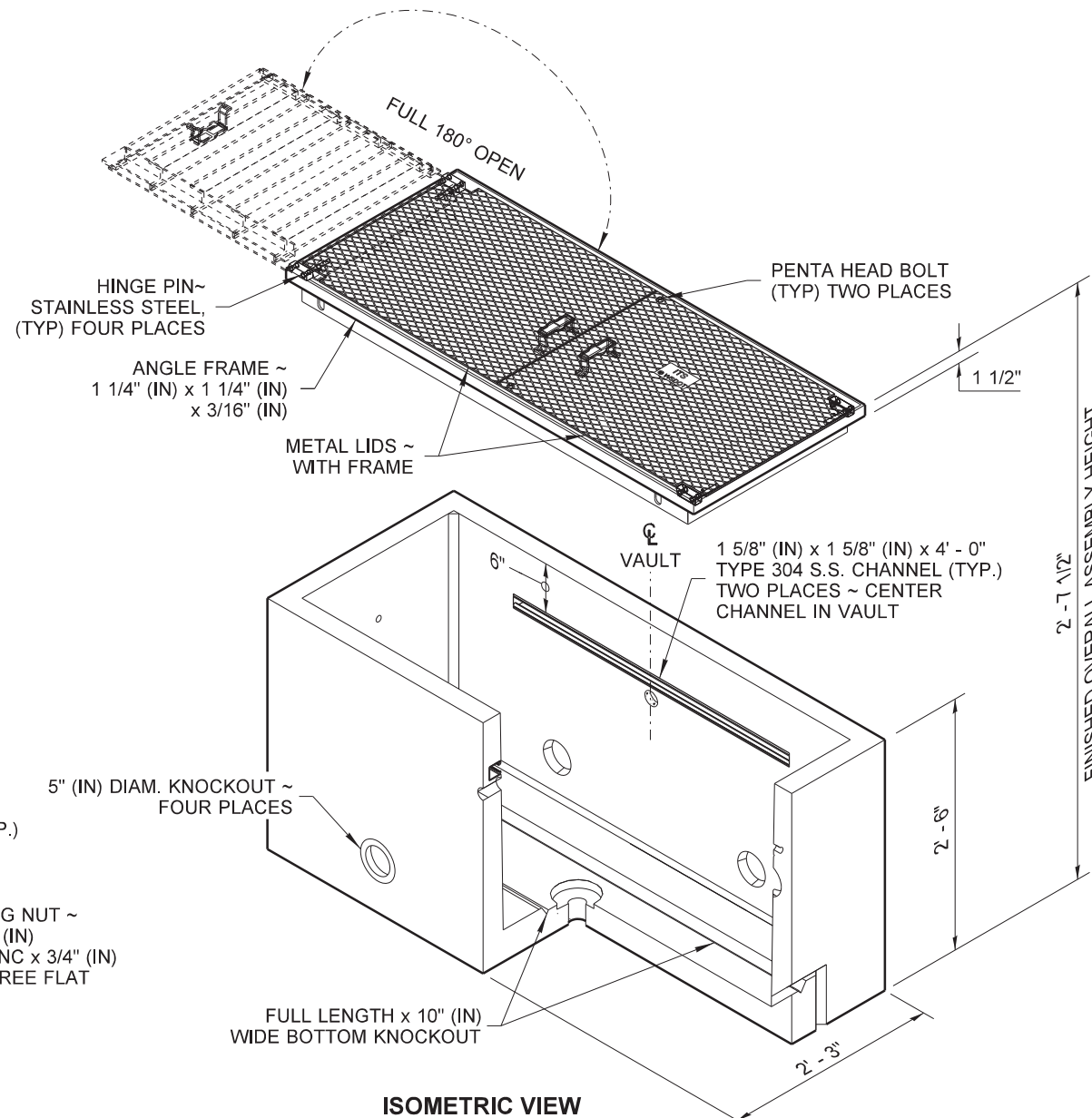
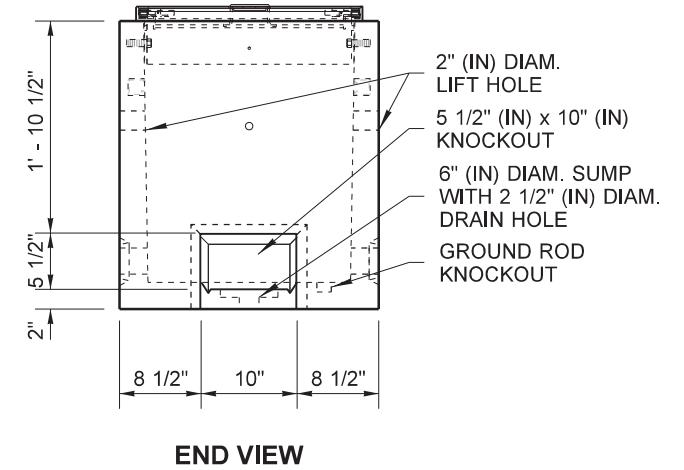
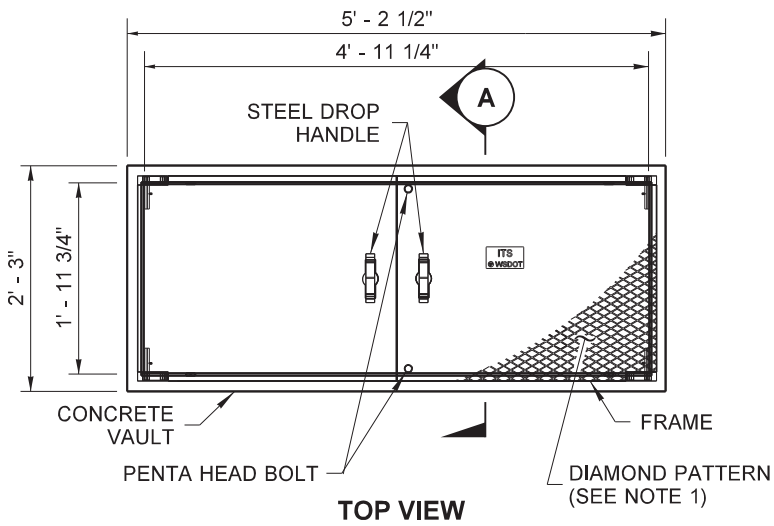
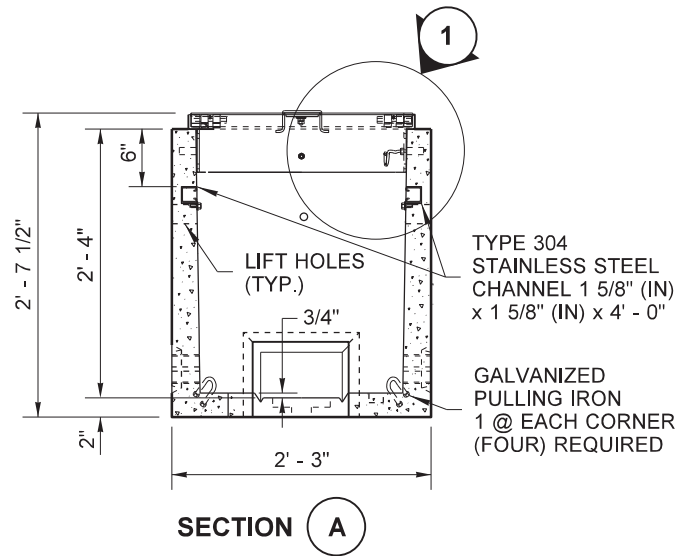
APPROVED FOR PUBLICATION

Jeff Carpenter
 Carpenter, Jeff
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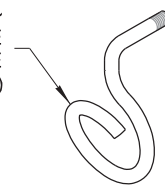
STATE DESIGN ENGINEER



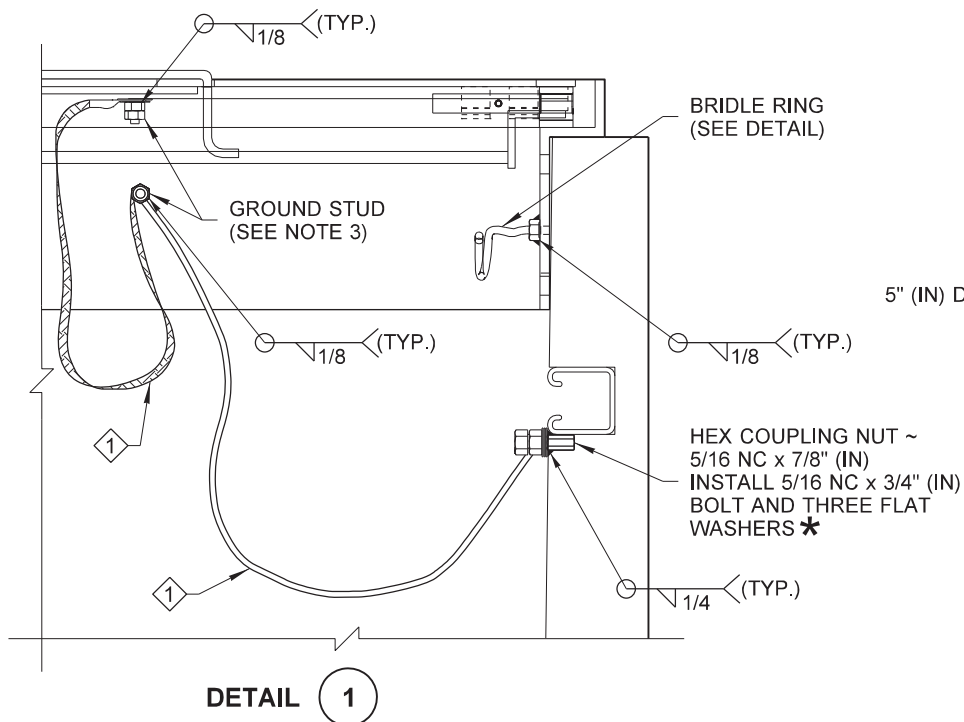
DRAWN BY: FERN LIDDELL



1 1/2" (IN) DIAM. BRIDLE RING ~ S. S. 1/4" (IN) DIAM. WIRE SIZE (FABRICATE IF NOT AVAILABLE COMMERCIALY)



BRIDLE RING DETAIL



SEE ISOMETRIC CUTAWAY ASSEMBLY ~ SHEET 1, FOR DIMENSIONS NOT SHOWN



Neeley, Matthew
Jun 25 2018 12:54 PM
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SMALL CABLE VAULT

STANDARD PLAN J-90.21-02

SHEET 2 OF 2 SHEETS

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STATE DESIGN ENGINEER
Washington State Department of Transportation

PART IV

FEDERAL WAGE RATES

"General Decision Number: WA20230001 11/03/2023
 Superseded General Decision Number: WA20220001
 State: Washington
 Construction Type: Highway
 Counties: Washington Statewide.
 HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin
 Counties)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p> If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<p> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.</p>
<p> If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<p> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.</p>

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	02/03/2023
2	08/25/2023
3	09/01/2023
4	10/13/2023
5	11/03/2023

CARP0003-006 06/01/2021

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA, and WAHKIAKUM Counties.

	Rates	Fringes
Carpenters:		
CARPENTERS.....	\$ 44.38	16.87
DIVERS TENDERS.....	\$ 49.09	16.87
DIVERS.....	\$ 93.09	16.87
DRYWALL.....	\$ 44.38	16.87
MILLWRIGHTS.....	\$ 46.89	16.87
PILEDRIVERS.....	\$ 44.97	16.87

DEPTH PAY:
50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET
101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET
151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):
Zone 2 - \$0.85
Zone 3 - 1.25
Zone 4 - 1.70
Zone 5 - 2.00
Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
 ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
 ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
 ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
 ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
 ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

 CARP0030-004 06/01/2021

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM Counties

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTERS.....	\$ 49.18	19.01
CARPENTERS ON CREOSOTE MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE ERECTORS.....	\$ 50.68	19.01
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

CARP0059-002 06/01/2019

ADAMS, ASOTIN, BENTON, CHELAN (East of 120th meridian), COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT (East of 120th meridian), KITTITAS (East of 120th meridian), LINCOLN, OKANOGAN (East of 120th meridian), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, and YAKIMA (East of 120th meridian) Counties

	Rates	Fringes
CARPENTER		
GROUP 1.....	\$ 35.47	16.88
GROUP 2.....	\$ 47.42	18.96
GROUP 3.....	\$ 36.66	16.88
GROUP 4.....	\$ 36.66	16.88
GROUP 5.....	\$ 83.96	16.88
GROUP 6.....	\$ 40.23	16.88
GROUP 7.....	\$ 41.23	16.88
GROUP 8.....	\$ 37.66	16.88
GROUP 9.....	\$ 44.23	16.88

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter

GROUP 2: Millwright, Machine Erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, Dock, and Wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby

GROUP 8: Assistant Diver Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-45 MILES	FREE
ZONE 2	45-100	\$4.00/PER HOUR
ZONE 3	OVER 100 MILES	\$6.00/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (515 N Neel Street) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (306 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet \$2.00 per foot
 101-150 feet \$3.00 per foot
 151-220 feet \$4.00 per foot
 221 feet and deeper \$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet Free
 26-300 feet \$1.00 per Foot

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

 CARP0770-003 06/01/2021

WEST OF 120TH MERIDIAN FOR THE FOLLOWING COUNTIES:
 CHELAN, DOUGLAS, GRANT, KITTITAS, OKANOGAN, and YAKIMA

	Rates	Fringes
CARPENTER		
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 50.68	19.01
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIEVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

 ELEC0046-001 08/07/2023

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 76.99	28.60
ELECTRICIAN.....	\$ 69.99	28.39

 * ELEC0048-003 01/01/2023

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 57.35	27.54

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour
 Zone 2: 51-70 miles \$3.50/hour
 Zone 3: 71-90 miles \$5.50/hour
 Zone 4: Beyond 90 miles \$9.00/hour

*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

 ELEC0048-029 01/01/2023

COWLITZ AND WAHAKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 57.35	27.54

 ELEC0073-001 07/01/2022

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 34.10	16.68
ELECTRICIAN.....	\$ 41.30	20.09

*** ELEC0076-002 08/31/2023**

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 62.79	25.09
ELECTRICIAN.....	\$ 57.08	24.92

 ELEC0112-005 06/01/2022

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 54.34	24.26
ELECTRICIAN.....	\$ 51.75	24.18

 ELEC0191-003 06/01/2022

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.23	17.73
ELECTRICIAN.....	\$ 53.20	27.51

ELEC0191-004 06/01/2018

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.82	17.63
ELECTRICIAN.....	\$ 42.45	21.34

ENGI0302-003 06/01/2022

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1A.....	\$ 54.20	24.47
Group 1AA.....	\$ 54.98	24.47
Group 1AAA.....	\$ 55.78	24.47
Group 1.....	\$ 53.40	24.47
Group 2.....	\$ 52.72	24.47
Group 3.....	\$ 52.12	24.47
Group 4.....	\$ 48.78	24.47

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00
 Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

 ENGI0370-002 06/01/2021

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 29.76	20.65
GROUP 2.....	\$ 30.08	20.65
GROUP 3.....	\$ 30.69	20.65
GROUP 4.....	\$ 30.85	20.65
GROUP 5.....	\$ 31.01	20.65
GROUP 6.....	\$ 31.21	20.65
GROUP 7.....	\$ 31.56	20.65
GROUP 8.....	\$ 32.66	20.65

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;

Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatoer (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers) (Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Roller (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vector guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
 180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 ENGI0612-001 06/01/2023

PIERCE County

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 56.08	25.07
GROUP 1AA.....	\$ 56.89	25.07
GROUP 1AAA.....	\$ 57.70	25.07
GROUP 1.....	\$ 55.26	25.07
GROUP 2.....	\$ 54.55	25.07
GROUP 3.....	\$ 53.94	25.07
GROUP 4.....	\$ 50.50	25.07

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom
(including jib with attachments; Tower crane over 175 ft in
height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building
work; Excavator, shovel, backhoes over 3 yards and under 6
yards; Hard tail end dump articulating off-road equipment
45 yards and over; Loader- overhead, 6 yards to, but not
including, 8 yards; Mucking machine, mole, tunnel, drill
and/or shield; Quad 9 HD 41, D-10; Remote control operator
on rubber tired earth moving equipment; Rollagon; Scrapers-
self-propelled 45 yards and over; Slipform pavers;
Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-
concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-Overhead, bridge type, 20 tons through
44 tons; Chipper; Concrete pump-truck mount with boom
attachment; Crusher; Deck engineer/deck winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Loaders, overhead under 6
yards; Loaders-plant feed; Locomotives-all; Mechanics- all;
Mixers, asphalt plant; Motor patrol graders, finishing;
Piledriver (other than crane mount); Roto-mill, roto-
grinder; Screedman, spreader, topside operator-Blaw Knox,
Cedar Rapids, Jaeger, Caterpillar, Barbar Green;
Scraper-self- propelled, hard tail end dump, articulating
off-road equipment- under 45 yards; Subgrader trimmer;
Tractors, backhoe over 75 hp; Transfer material service
machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane
oiler/driver-100 tons and over; Truck Mount Portable
Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

 ENGI0612-012 06/01/2023

LEWIS, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 54.85	25.07
GROUP 1AA.....	\$ 55.67	25.07
GROUP 1AAA.....	\$ 56.45	25.07
GROUP 1.....	\$ 54.05	25.07
GROUP 2.....	\$ 53.36	25.07
GROUP 3.....	\$ 52.75	25.07
GROUP 4.....	\$ 49.36	25.07

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
 (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom
 (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
 (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self-propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

 ENGI0701-002 01/01/2022

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 51.65	16.35
GROUP 1A.....	\$ 53.81	16.35
GROUP 1B.....	\$ 55.97	16.35
GROUP 2.....	\$ 49.74	16.35
GROUP 3.....	\$ 48.59	16.35
GROUP 4.....	\$ 45.26	16.35
GROUP 5.....	\$ 44.02	16.35
GROUP 6.....	\$ 40.80	16.35

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1

Concrete Batch Plan and or Wet mix three (3) units or more; Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

Group 1A

Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib; Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B

Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2

Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3

Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4

Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine; Ultra High Pressure Water Jet Cutting Tool System Operator; Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5

Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6

Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steer (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feederman; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

IRON0014-005 01/02/2023

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.11	31.57

IRON0029-002 01/02/2023

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 42.27	32.57

IRON0086-002 01/02/2023

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.11	31.57

IRON0086-004 01/02/2023

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 50.90	32.57

* LABO0238-004 06/01/2023

A-1 AREA: ASOTIN, BENTON, FRANKLIN, GARFIELD, LINCOLN, SPOKANE, WALLA WALLA, & WHITMAN COUNTIES

A-2 AREA: ADAMS, COLUMBIA, DOUGLAS (East of 120th Meridian), FERRY, GRANT, OKANOGAN, PEND OREILLE, & STEVENS COUNTIES

	Rates	Fringes
LABORER (A-1)		
GROUP 1.....	\$ 30.88	15.60
GROUP 2.....	\$ 33.72	15.60
GROUP 3.....	\$ 34.03	15.60
GROUP 4.....	\$ 34.33	15.60
GROUP 5.....	\$ 34.64	15.60
LABORER (A-2)		
GROUP 1.....	\$ 33.88	15.60
GROUP 2.....	\$ 36.72	15.60
GROUP 3.....	\$ 37.03	15.60
GROUP 4.....	\$ 37.33	15.60
GROUP 5.....	\$ 37.64	15.60

Zone Differential (Add to Zone 1 rate): \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder; Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include

all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunitite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

*** LABO0238-006 06/01/2023**

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 34.97	15.60

LABO0242-003 06/01/2022

KING COUNTY

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2A.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80
Group 6.....	\$ 45.91	13.90

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
- ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2A: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

Group 6: Miner

LABO0252-010 06/01/2022

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC
(EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall
 ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall
 ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall
 ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Grade Checker and Transit Person; High Scaler; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied airline).

LABO0292-008 06/01/2022

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
 ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0335-001 06/01/2022

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 37.98	13.80
GROUP 2.....	\$ 38.76	13.80
GROUP 3.....	\$ 39.35	13.80
GROUP 4.....	\$ 39.85	13.80
GROUP 5.....	\$ 34.75	13.80
GROUP 6.....	\$ 31.61	13.80
GROUP 7.....	\$ 27.44	13.80

Zone Differential (Add to Zone 1 rates):
 Zone 2 \$ 0.65
 Zone 3 - 1.15
 Zone 4 - 1.70
 Zone 5 - 2.75

BASE POINTS: LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.
 ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
 ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
 ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
 ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-019 06/01/2022

	Rates	Fringes
Hod Carrier.....	\$ 37.98	13.80

LABO0348-003 06/01/2022

CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 25.37	13.80
GROUP 2.....	\$ 29.16	13.80
GROUP 3.....	\$ 31.94	13.80
GROUP 4.....	\$ 32.72	13.80
GROUP 5.....	\$ 32.09	13.19

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
 ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$1.00
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
 ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

PAIN0005-002 07/01/2022

STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH),
SKAMANIA, AND WAHAKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 33.37	18.53

PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND
WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

* PAIN0005-006 07/01/2018

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);
CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,
LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,
WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting.....	\$ 30.19	11.71
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 22.94	11.61
Lead Abatement, Asbestos		
Abatement.....	\$ 21.50	7.98

*\$.70 shall be paid over and above the basic wage rates
listed for work on swing stages and high work of over 30
feet.

PAIN0055-003 07/01/2020

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM
COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 26.56	13.40
Spray and Sandblasting.....	\$ 26.56	13.40

All high work over 60 ft. = base rate + \$0.75

PAIN0055-006 01/01/2022

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT		
STRIPER.....	\$ 48.17	16.00

PLAS0072-004 06/01/2022

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA
COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 36.04	16.79

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee

Zone 1: 0 - 45 radius miles from the main post office

Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2022

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON.....	\$ 50.00	19.59
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 50.50	19.59
TROWELING MACHINE OPERATOR ON COMPOSITION.....	\$ 50.50	19.59

PLAS0555-002 06/01/2023

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 45.06	19.95
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 44.19	19.95
CEMENT MASONS.....	\$ 43.33	19.95
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 44.19	19.95

Zone Differential (Add To Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

- ZONE 1: Projects within 30 miles of the respective city hall
- ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
- ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
- ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
- ZONE 5: More than 80 miles from the respective city hall

TEAM0037-002 06/01/2020

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 29.33	16.40
GROUP 2.....	\$ 29.46	16.40
GROUP 3.....	\$ 29.60	16.40
GROUP 4.....	\$ 29.89	16.40
GROUP 5.....	\$ 30.03	16.40
GROUP 6.....	\$ 30.31	16.40
GROUP 7.....	\$ 30.53	16.40

Zone Differential (Add to Zone 1 Rates):

Zone 2 - \$0.65
 Zone 3 - 1.15
 Zone 4 - 1.70
 Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom dumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

* TEAM0174-001 06/01/2020

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 42.88	20.92
GROUP 2:.....	\$ 42.04	20.92
GROUP 3:.....	\$ 39.23	20.92
GROUP 4:.....	\$ 34.26	20.92
GROUP 5:.....	\$ 42.43	20.92

ZONE B (25-45 miles from center of listed cities*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities*): Add \$1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired) (when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0690-004 01/01/2019

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA
COUNTIES

	Rates	Fringes
Truck drivers: (AREA 1: SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln, Okanogan, Pen Oreille, Spokane, Stevens, and Whitman Counties		
AREA 1: LEWISTON ZONE CENTER: Asotin, Columbia, and Garfield Counties		
AREA 2: PASCO ZONE CENTER: Benton, Franklin, Walla Walla and Yakima Counties)		
AREA 1:		
GROUP 1.....	\$ 23.91	17.40
GROUP 2.....	\$ 26.18	17.40
GROUP 3.....	\$ 26.68	17.40
GROUP 4.....	\$ 27.01	17.40
GROUP 5.....	\$ 27.12	17.40
GROUP 6.....	\$ 27.29	17.40
GROUP 7.....	\$ 27.82	17.40
GROUP 8.....	\$ 28.18	17.40
AREA 2:		
GROUP 1.....	\$ 26.05	17.40
GROUP 2.....	\$ 28.69	17.40
GROUP 3.....	\$ 28.80	17.40
GROUP 4.....	\$ 29.13	17.40
GROUP 5.....	\$ 29.24	17.40
GROUP 6.....	\$ 29.24	17.40
GROUP 7.....	\$ 29.78	17.40
GROUP 8.....	\$ 30.10	17.40

Zone Differential (Add to Zone 1 rate: Zone 1 + \$2.00)

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those

classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the

interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

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PART V
STATE PREVAILING
WAGE RATES

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 11/6/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Pierce	Asbestos Abatement Workers	Journey Level	\$59.07	5D	1H		View
Pierce	Boilermakers	Journey Level	\$74.29	5N	1C		View
Pierce	Brick Mason	Journey Level	\$69.07	7E	1N		View
Pierce	Brick Mason	Pointer-Caulker-Cleaner	\$69.07	7E	1N		View
Pierce	Building Service Employees	Janitor	\$22.29	5S	2F		View
Pierce	Building Service Employees	Traveling Waxer / Shampooer	\$23.24	5S	2F		View
Pierce	Building Service Employees	Window Cleaner (High Time)	\$31.24	5S	2F		View
Pierce	Building Service Employees	Window Cleaner (Non-High Time)	\$29.74	5S	2F		View
Pierce	Cabinet Makers (In Shop)	Journey Level	\$28.36		1		View
Pierce	Carpenters	Acoustical Worker	\$74.96	15J	4C		View
Pierce	Carpenters	Bridge, Dock And Wharf Carpenters	\$74.96	15J	4C		View
Pierce	Carpenters	Floor Layer & Floor Finisher	\$74.96	15J	4C		View
Pierce	Carpenters	Journey Level	\$74.96	15J	4C		View
Pierce	Carpenters	Scaffold Erector	\$74.96	15J	4C		View
Pierce	Cement Masons	Application of all Composition Mastic	\$72.87	15J	4U		View
Pierce	Cement Masons	Application of all Epoxy Material	\$72.37	15J	4U		View
Pierce	Cement Masons	Application of all Plastic Material	\$72.87	15J	4U		View
Pierce	Cement Masons	Application of Sealing Compound	\$72.37	15J	4U		View
Pierce	Cement Masons	Application of Underlayment	\$72.87	15J	4U		View
Pierce	Cement Masons	Building General	\$72.37	15J	4U		View
Pierce	Cement Masons	Composition or Kalman Floors	\$72.87	15J	4U		View
Pierce	Cement Masons	Concrete Paving	\$72.37	15J	4U		View
Pierce	Cement Masons	Curb & Gutter Machine	\$72.87	15J	4U		View
Pierce	Cement Masons	Curb & Gutter, Sidewalks	\$72.37	15J	4U		View
Pierce	Cement Masons	Curing Concrete	\$72.37	15J	4U		View

Pierce	Cement Masons	Finish Colored Concrete	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Floor Grinding	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Floor Grinding/Polisher	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Green Concrete Saw, self-powered	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Grouting of all Plates	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Grouting of all Tilt-up Panels	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Guniting Nozzleman	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Hand Powered Grinder	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Journey Level	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Patching Concrete	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Pneumatic Power Tools	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Power Chipping & Brushing	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Sand Blasting Architectural Finish	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Screed & Rodding Machine	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Spackling or Skim Coat Concrete	\$72.37	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Troweling Machine Operator	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Troweling Machine Operator on Colored Slabs	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Cement Masons	Tunnel Workers	\$72.87	<u>15J</u>	<u>4U</u>		View
Pierce	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$129.71	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Dive Supervisor/Master	\$93.94	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Diver	\$129.71	<u>15J</u>	<u>4C</u>	<u>8V</u>	View
Pierce	Divers & Tenders	Diver On Standby	\$88.94	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Diver Tender	\$80.82	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$93.26	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$98.26	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$102.26	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$107.26	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$109.76	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$114.76	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$116.76	<u>15J</u>	<u>4C</u>		View
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 -	\$118.76	<u>15J</u>	<u>4C</u>		View

		72.00 PSI					
Pierce	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$120.76	15J	4C		View
Pierce	Divers & Tenders	Manifold Operator	\$80.82	15J	4C		View
Pierce	Divers & Tenders	Manifold Operator Mixed Gas	\$85.82	15J	4C		View
Pierce	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$80.82	15J	4C		View
Pierce	Divers & Tenders	Remote Operated Vehicle Tender	\$75.41	15J	4C		View
Pierce	Dredge Workers	Assistant Engineer	\$79.62	5D	3F		View
Pierce	Dredge Workers	Assistant Mate (Deckhand)	\$79.01	5D	3F		View
Pierce	Dredge Workers	Boatmen	\$79.62	5D	3F		View
Pierce	Dredge Workers	Engineer Welder	\$81.15	5D	3F		View
Pierce	Dredge Workers	Leverman, Hydraulic	\$82.77	5D	3F		View
Pierce	Dredge Workers	Mates	\$79.62	5D	3F		View
Pierce	Dredge Workers	Oiler	\$79.01	5D	3F		View
Pierce	Drywall Applicator	Journey Level	\$74.96	15J	4C		View
Pierce	Drywall Tapers	Journey Level	\$74.50	5P	1E		View
Pierce	Electrical Fixture Maintenance Workers	Journey Level	\$17.76		1		View
Pierce	Electricians - Inside	Cable Splicer	\$88.45	5C	1G		View
Pierce	Electricians - Inside	Journey Level	\$82.57	5C	1G		View
Pierce	Electricians - Inside	Lead Covered Cable Splicer	\$94.34	5C	1G		View
Pierce	Electricians - Inside	Welder	\$88.45	5C	1G		View
Pierce	Electricians - Motor Shop	Craftsman	\$15.74		1		View
Pierce	Electricians - Motor Shop	Journey Level	\$15.74		1		View
Pierce	Electricians - Powerline Construction	Cable Splicer	\$93.00	5A	4D		View
Pierce	Electricians - Powerline Construction	Certified Line Welder	\$85.42	5A	4D		View
Pierce	Electricians - Powerline Construction	Groundperson	\$55.27	5A	4D		View
Pierce	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$85.42	5A	4D		View
Pierce	Electricians - Powerline Construction	Journey Level Lineperson	\$85.42	5A	4D		View
Pierce	Electricians - Powerline Construction	Line Equipment Operator	\$73.35	5A	4D		View
Pierce	Electricians - Powerline Construction	Meter Installer	\$55.27	5A	4D	8W	View
Pierce	Electricians - Powerline Construction	Pole Sprayer	\$85.42	5A	4D		View
Pierce	Electricians - Powerline Construction	Powderperson	\$63.50	5A	4D		View
Pierce	Electronic Technicians	Journey Level	\$53.46	6Z	1B		View
Pierce	Elevator Constructors	Mechanic	\$107.49	7D	4A		View
Pierce	Elevator Constructors	Mechanic In Charge	\$116.13	7D	4A		View
Pierce	Fabricated Precast Concrete Products	Journey Level	\$15.74		1		View

Pierce	Fence Erectors	Fence Erector	\$50.07	15J	11P	8Y	View
Pierce	Fence Erectors	Fence Laborer	\$50.07	15J	11P	8Y	View
Pierce	Flaggers	Journey Level	\$50.07	15J	11P	8Y	View
Pierce	Glaziers	Journey Level	\$79.16	7L	1Y		View
Pierce	Heat & Frost Insulators And Asbestos Workers	Journey Level	\$87.15	15H	11C		View
Pierce	Heating Equipment Mechanics	Journey Level	\$96.42	7F	1E		View
Pierce	Hod Carriers & Mason Tenders	Journey Level	\$62.49	15J	11P	8Y	View
Pierce	Industrial Power Vacuum Cleaner	Journey Level	\$15.74		1		View
Pierce	Inland Boatmen	Boat Operator	\$61.41	5B	1K		View
Pierce	Inland Boatmen	Cook	\$56.48	5B	1K		View
Pierce	Inland Boatmen	Deckhand	\$57.48	5B	1K		View
Pierce	Inland Boatmen	Deckhand Engineer	\$58.81	5B	1K		View
Pierce	Inland Boatmen	Launch Operator	\$58.89	5B	1K		View
Pierce	Inland Boatmen	Mate	\$57.31	5B	1K		View
Pierce	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$15.74		1		View
Pierce	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$15.74		1		View
Pierce	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$15.74		1		View
Pierce	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$15.74		1		View
Pierce	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$15.74		1		View
Pierce	Insulation Applicators	Journey Level	\$74.96	15J	4C		View
Pierce	Ironworkers	Journeyman	\$85.80	15K	11N		View
Pierce	Laborers	Air, Gas Or Electric Vibrating Screed	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Airtrac Drill Operator	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Ballast Regular Machine	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Batch Weighman	\$50.07	15J	11P	8Y	View
Pierce	Laborers	Brick Pavers	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Brush Cutter	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Brush Hog Feeder	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Burner	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Caisson Worker	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Carpenter Tender	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Cement Dumper-paving	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Cement Finisher Tender	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Change House Or Dry Shack	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Chipping Gun (30 Lbs. And Over)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Chipping Gun (Under 30 Lbs.)	\$59.07	15J	11P	8Y	View

Pierce	Laborers	Choker Setter	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Chuck Tender	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Clary Power Spreader	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Clean-up Laborer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Concrete Dumper/Chute Operator	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Concrete Form Stripper	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Concrete Placement Crew	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Concrete Saw Operator/Core Driller	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Crusher Feeder	\$50.07	15J	11P	8Y	View
Pierce	Laborers	Curing Laborer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Ditch Digger	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Diver	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Drill Operator (Hydraulic, Diamond)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Dry Stack Walls	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Dump Person	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Epoxy Technician	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Erosion Control Worker	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Faller & Bucker Chain Saw	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Fine Graders	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Firewatch	\$50.07	15J	11P	8Y	View
Pierce	Laborers	Form Setter	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Gabian Basket Builders	\$59.07	15J	11P	8Y	View
Pierce	Laborers	General Laborer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Grade Checker & Transit Person	\$62.49	15J	11P	8Y	View
Pierce	Laborers	Grinders	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Grout Machine Tender	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Groutmen (Pressure) Including Post Tension Beams	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Guardrail Erector	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Hazardous Waste Worker (Level A)	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Hazardous Waste Worker (Level B)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Hazardous Waste Worker (Level C)	\$59.07	15J	11P	8Y	View
Pierce	Laborers	High Scaler	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Jackhammer	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Laserbeam Operator	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Maintenance Person	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Manhole Builder-Mudman	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Material Yard Person	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Mold Abatement Worker	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Motorman-Dinky Locomotive	\$62.59	15J	11P	8Y	View

Pierce	Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$62.49	15J	11P	8Y	View
Pierce	Laborers	Pavement Breaker	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Pilot Car	\$50.07	15J	11P	8Y	View
Pierce	Laborers	Pipe Layer (Lead)	\$62.49	15J	11P	8Y	View
Pierce	Laborers	Pipe Layer/Tailor	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Pipe Pot Tender	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Pipe Reliner	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Pipe Wrapper	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Pot Tender	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Powderman	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Powderman's Helper	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Power Jacks	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Railroad Spike Puller - Power	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Raker - Asphalt	\$62.49	15J	11P	8Y	View
Pierce	Laborers	Re-timberman	\$60.90	15J	11P	8Y	View
Pierce	Laborers	Remote Equipment Operator	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Rigger/Signal Person	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Rip Rap Person	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Rivet Buster	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Rodder	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Scaffold Erector	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Scale Person	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Sloper (Over 20")	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Sloper Sprayer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Spreader (Concrete)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Stake Hopper	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Stock Piler	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Swinging Stage/Boatswain Chair	\$50.07	15J	11P	8Y	View
Pierce	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Tamper (Multiple & Self-propelled)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Toolroom Person (at Jobsite)	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Topper	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Track Laborer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Track Liner (Power)	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Traffic Control Laborer	\$53.54	15J	11P	9C	View
Pierce	Laborers	Traffic Control Supervisor	\$56.73	15J	11P	9C	View
Pierce	Laborers	Truck Spotter	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Tugger Operator	\$60.15	15J	11P	8Y	View

Pierce	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$175.79	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$180.82	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$184.50	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$190.20	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$192.32	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$197.42	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$199.32	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$201.32	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$203.32	15J	11P	9B	View
Pierce	Laborers	Tunnel Work-Guage and Lock Tender	\$62.59	15J	11P	8Y	View
Pierce	Laborers	Tunnel Work-Miner	\$62.59	15J	11P	8Y	View
Pierce	Laborers	Vibrator	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Vinyl Seamer	\$59.07	15J	11P	8Y	View
Pierce	Laborers	Watchman	\$45.51	15J	11P	8Y	View
Pierce	Laborers	Welder	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Well Point Laborer	\$60.15	15J	11P	8Y	View
Pierce	Laborers	Window Washer/Cleaner	\$45.51	15J	11P	8Y	View
Pierce	Laborers - Underground Sewer & Water	General Laborer & Topman	\$59.07	15J	11P	8Y	View
Pierce	Laborers - Underground Sewer & Water	Pipe Layer	\$60.15	15J	11P	8Y	View
Pierce	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	\$45.51	15J	11P	8Y	View
Pierce	Landscape Construction	Landscape Operator	\$79.01	15J	3K	8X	View
Pierce	Landscape Maintenance	Groundskeeper	\$17.07		1		View
Pierce	Lathers	Journey Level	\$74.96	15J	4C		View
Pierce	Marble Setters	Journey Level	\$69.07	7E	1N		View
Pierce	Metal Fabrication (In Shop)	Fitter	\$15.74		1		View
Pierce	Metal Fabrication (In Shop)	Laborer	\$15.74		1		View
Pierce	Metal Fabrication (In Shop)	Machine Operator	\$15.74		1		View
Pierce	Metal Fabrication (In Shop)	Welder	\$15.74		1		View
Pierce	Millwright	Journey Level	\$76.51	15J	4C		View
Pierce	Modular Buildings	Journey Level	\$15.74		1		View
Pierce	Painters	Journey Level	\$51.71	6Z	11J		View
Pierce	Pile Driver	Crew Tender	\$80.82	15J	4C		View
Pierce	Pile Driver	Journey Level	\$75.41	15J	4C		View
Pierce	Plasterers	Journey Level	\$70.91	7Q	1R		View
Pierce	Plasterers	Nozzleman	\$74.91	7Q	1R		View

Pierce	Playground & Park Equipment Installers	Journey Level	\$15.74		1		View
Pierce	Plumbers & Pipefitters	Journey Level	\$85.72	5A	1G		View
Pierce	Power Equipment Operators	Asphalt Plant Operator	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Assistant Engineer	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Barrier Machine (zipper)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Batch Plant Operator: Concrete	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Bobcat	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Brooms	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Bump Cutter	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Cableways	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Chipper	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Compressor	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Concrete Finish Machine -laser Screed	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Conveyors	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Cranes Friction: 200 tons and over	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$82.56	7A	11H	8X	View

Pierce	Power Equipment Operators	Crusher	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Derricks: on building work	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Dozers D-9 & Under	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Drilling Machine	\$81.15	15J	3K	8X	View
Pierce	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Gradechecker/stakeman	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Guardrail punch/Auger	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Horizontal/directional Drill Locator	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Horizontal/directional Drill Operator	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Hydralifts/boom trucks: over 10 tons	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$81.15	15J	3K	8X	View
Pierce	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Loaders, Plant Feed	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Loaders: Elevating Type Belt	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Locomotives, All	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Material Transfer Device	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators	Motor patrol graders	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding	\$75.57	15J	3K	8X	View

		Operator					
Pierce	Power Equipment Operators	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Pavement Breaker	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Posthole Digger, Mechanical	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Power Plant	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Pumps - Water	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Quad 9, HD 41, D10 And Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height based to boom	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Rigger and Bellman	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Rollagon	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Roller, Other Than Plant Mix	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Roto-mill, Roto-grinder	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Saws - Concrete	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Scrapers - Concrete & Carry All	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Service Engineers: equipment	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Shotcrete/gunite Equipment	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$81.15	15J	3K	8X	View
Pierce	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$81.96	15J	3K	8X	View

Pierce	Power Equipment Operators	Slipform Pavers	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Spreader, Topside & Screedman	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Subgrader Trimmer	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Tower Bucket Elevators	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom.	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators	Transporters, All Track Or Truck Type	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators	Trenching Machines	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators	Truck Mount Portable Conveyor	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators	Welder	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators	Wheel Tractors, Farmall Type	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators	Yo Yo Pay Dozer	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operator	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator: Concrete	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Bobcat	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Brooms	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cableways	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Chipper	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Compressor	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$75.57	15J	3K	8X	View

Pierce	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Conveyors	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Crusher	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Deck Engineer /deck Winches (power)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Derricks: on building work	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	\$81.15	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	\$78.95	7A	11H	8X	View

Pierce	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Guardrail punch/Auger	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$81.15	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Motor patrol graders	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	\$83.95	7A	11H	8X	View

Pierce	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Power Plant	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Quad 9, HD 41, D10 And Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height based to boom	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	\$78.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Rollagon	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Service Engineers: equipment	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90	\$81.15	15J	3K	8X	View

		Metric Tons					
Pierce	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$80.33	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$80.33	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$79.62	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$79.01	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$85.66	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	\$84.77	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom.	\$86.48	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$80.33	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$79.01	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	\$83.20	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	\$82.56	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$79.62	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$79.62	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Welder	\$83.95	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$75.57	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$79.62	<u>15J</u>	<u>3K</u>	<u>8X</u>	View
Pierce	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$57.22	<u>5A</u>	<u>4A</u>		View
Pierce	Power Line Clearance Tree Trimmers	Spray Person	\$54.32	<u>5A</u>	<u>4A</u>		View
Pierce	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$57.22	<u>5A</u>	<u>4A</u>		View
Pierce	Power Line Clearance Tree Trimmers	Tree Trimmer	\$51.18	<u>5A</u>	<u>4A</u>		View
Pierce	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$38.99	<u>5A</u>	<u>4A</u>		View
Pierce	Refrigeration & Air Conditioning Mechanics	Journey Level	\$87.46	<u>5A</u>	<u>1G</u>		View
Pierce	Residential Brick Mason	Journey Level	\$27.02		<u>1</u>		View
Pierce	Residential Carpenters	Journey Level	\$49.93	<u>15J</u>	<u>4C</u>		View
Pierce	Residential Cement Masons	Journey Level	\$45.99		<u>1</u>		View
Pierce	Residential Drywall Applicators	Journey Level	\$74.96	<u>15J</u>	<u>4C</u>		View
Pierce	Residential Drywall Tapers	Journey Level	\$74.50	<u>5P</u>	<u>1E</u>		View
Pierce	Residential Electricians	Journey Level	\$44.11		<u>1</u>		View
Pierce	Residential Glaziers	Journey Level	\$79.16	<u>7L</u>	<u>1Y</u>		View

Pierce	Residential Insulation Applicators	Journey Level	\$24.52		1		View
Pierce	Residential Laborers	Journey Level	\$33.97		1		View
Pierce	Residential Marble Setters	Journey Level	\$29.29		1		View
Pierce	Residential Painters	Journey Level	\$51.71	<u>6Z</u>	<u>11J</u>		View
Pierce	Residential Plumbers & Pipefitters	Journey Level	\$85.72	<u>5A</u>	<u>1G</u>		View
Pierce	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$85.72	<u>5A</u>	<u>1G</u>		View
Pierce	Residential Sheet Metal Workers	Journey Level	\$96.42	<u>7F</u>	<u>1E</u>		View
Pierce	Residential Soft Floor Layers	Journey Level	\$57.11	<u>5A</u>	<u>3J</u>		View
Pierce	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$58.26	<u>5C</u>	<u>2R</u>		View
Pierce	Residential Stone Masons	Journey Level	\$29.29		1		View
Pierce	Residential Terrazzo Workers	Journey Level	\$15.74		1		View
Pierce	Residential Terrazzo/Tile Finishers	Journey Level	\$21.96		1		View
Pierce	Residential Tile Setters	Journey Level	\$25.98		1		View
Pierce	Roofers	Journey Level	\$60.90	<u>5A</u>	<u>3H</u>		View
Pierce	Roofers	Using Irritable Bituminous Materials	\$63.90	<u>5A</u>	<u>3H</u>		View
Pierce	Sheet Metal Workers	Journey Level (Field or Shop)	\$96.42	<u>7F</u>	<u>1E</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Boilermaker	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Carpenter	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Crane Operator	\$41.83	<u>7V</u>	1		View
Pierce	Shipbuilding & Ship Repair	New Construction Electrician	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$87.15	<u>15H</u>	<u>11C</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Laborer	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Machinist	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Operating Engineer	\$41.83	<u>7V</u>	1		View
Pierce	Shipbuilding & Ship Repair	New Construction Painter	\$51.95	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Pipefitter	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Rigger	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Sheet Metal	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Shipwright	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$41.83	<u>7V</u>	1		View
Pierce	Shipbuilding & Ship Repair	New Construction Welder / Burner	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Carpenter	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$45.06	<u>7Y</u>	<u>4K</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Electrician	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$87.15	<u>15H</u>	<u>11C</u>		View

Pierce	Shipbuilding & Ship Repair	Ship Repair Laborer	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Machinist	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	<u>7Y</u>	<u>4K</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Painter	\$51.95	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Rigger	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Shipwright	\$51.85	<u>7X</u>	<u>4J</u>		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	<u>7Y</u>	<u>4K</u>		View
Pierce	Sign Makers & Installers (Electrical)	Sign Installer	\$26.17		<u>1</u>		View
Pierce	Sign Makers & Installers (Electrical)	Sign Maker	\$20.33		<u>1</u>		View
Pierce	Sign Makers & Installers (Non-Electrical)	Sign Installer	\$33.43		<u>1</u>		View
Pierce	Sign Makers & Installers (Non-Electrical)	Sign Maker	\$22.79		<u>1</u>		View
Pierce	Soft Floor Layers	Journey Level	\$66.32	<u>15J</u>	<u>4C</u>		View
Pierce	Solar Controls For Windows	Journey Level	\$15.74		<u>1</u>		View
Pierce	Sprinkler Fitters (Fire Protection)	Journey Level	\$93.99	<u>5C</u>	<u>1X</u>		View
Pierce	Stage Rigging Mechanics (Non Structural)	Journey Level	\$15.74		<u>1</u>		View
Pierce	Stone Masons	Journey Level	\$69.07	<u>7E</u>	<u>1N</u>		View
Pierce	Street And Parking Lot Sweeper Workers	Journey Level	\$21.69		<u>1</u>		View
Pierce	Surveyors	Assistant Construction Site Surveyor	\$82.56	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Surveyors	Chainman	\$78.95	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Surveyors	Construction Site Surveyor	\$83.95	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Surveyors	Drone Operator (when used in conjunction with surveying work only)	\$78.95	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Surveyors	Ground Penetrating Radar	\$78.95	<u>7A</u>	<u>11H</u>	<u>8X</u>	View
Pierce	Telecommunication Technicians	Journey Level	\$53.46	<u>6Z</u>	<u>1B</u>		View
Pierce	Telephone Line Construction - Outside	Cable Splicer	\$40.11	<u>5A</u>	<u>2B</u>		View
Pierce	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$26.67	<u>5A</u>	<u>2B</u>		View
Pierce	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$33.49	<u>5A</u>	<u>2B</u>		View
Pierce	Telephone Line Construction - Outside	Telephone Lineperson	\$37.90	<u>5A</u>	<u>2B</u>		View
Pierce	Terrazzo Workers	Journey Level	\$62.36	<u>7E</u>	<u>1N</u>		View
Pierce	Tile Setters	Journey Level	\$62.36	<u>7E</u>	<u>1N</u>		View
Pierce	Tile, Marble & Terrazzo Finishers	Finisher	\$53.19	<u>7E</u>	<u>1N</u>		View
Pierce	Traffic Control Stripers	Journey Level	\$89.54	<u>15L</u>	<u>1K</u>		View
Pierce	Truck Drivers	Asphalt Mix Over 16 Yards	\$74.95	<u>15J</u>	<u>11M</u>	<u>8L</u>	View

Pierce	Truck Drivers	Asphalt Mix To 16 Yards	\$74.02	<u>15J</u>	<u>11M</u>	<u>8L</u>	View
Pierce	Truck Drivers	Dump Truck	\$74.02	<u>15J</u>	<u>11M</u>	<u>8L</u>	View
Pierce	Truck Drivers	Dump Truck & Trailer	\$74.95	<u>15J</u>	<u>11M</u>	<u>8L</u>	View
Pierce	Truck Drivers	Other Trucks	\$74.95	<u>15J</u>	<u>11M</u>	<u>8L</u>	View
Pierce	Truck Drivers - Ready Mix	Transit Mix	\$74.95	<u>15J</u>	<u>11M</u>	<u>8L</u>	View
Pierce	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$16.09		<u>1</u>		View
Pierce	Well Drillers & Irrigation Pump Installers	Oiler	\$15.74		<u>1</u>		View
Pierce	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.30		<u>1</u>		View

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

See RCW [39.12.010](#)

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

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

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

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

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

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

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

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

WAC 296-127-018 Agency filings affecting this section

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

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

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

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

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

(ii) At multiple points at the project; or

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

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

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

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

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

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

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

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

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

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

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

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

Benefit Code Key – Effective 8/31/2023 thru 3/1/2024

Overtime Codes

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

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

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

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

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

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

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

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

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).
- All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.
- Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus \$2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

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

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

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

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

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

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

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

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

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

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

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

Overtime Codes Continued

11. D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.
- H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

Overtime Codes Continued

11. J. All hours worked on holidays shall be paid at double the hourly rate of wage.
- K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.
- L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar (\$2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
- M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.
- Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars (\$2.00) per hour.
- N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.
- Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.
- O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Benefit Code Key – Effective 8/31/2023 thru 3/1/2024

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).
- 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).

Benefit Code Key – Effective 8/31/2023 thru 3/1/2024

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Holiday Codes Continued

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

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.

Note Codes Continued

8. S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
- V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- 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.

Note Codes Continued

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

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

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

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

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

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

(A) – 130' to 199' – \$0.50 per hour over their classification rate.

(B) – 200' to 299' – \$0.80 per hour over their classification rate.

(C) – 300' and over – \$1.00 per hour over their classification rate.

- 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.

Note Codes Continued

- 9. E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.
- H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.