



City of Tacoma
Department of Public Works

SPECIFICATION NO. PW23-0085F

J Street Bicycle Boulevard

**Project No. PWK-G0057
Federal Aid Project No. TAPUL-3009(001)**

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

REQUEST FOR BIDS, SPECIAL PROVISIONS, BID PROPOSAL AND CONTRACT

FOR

SPECIFICATION NO.
PW23-0085F

J Street Bicycle Boulevard

PROJECT NO. PWK-G0057

Charla Kinlow, PMP
Engineering Division
Public Works Department

Room 522, Tacoma Municipal Building
Tacoma, Washington 98421-2711

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J Street Bicycle Boulevard

FEDERAL AID NO. TAPUL-3009(001)
PROJECT NO. PWK-G0057

Division 1
Chris Storey, PE
Engineering Division
Public Works Department
747 Market Street, Room 500
Tacoma, Washington 98402



Divisions 2 through 9 except 8-20 and 9-29
Todd Sawin, PE
AHBL, Inc.
2215 North 30th Street, Ste 300
Tacoma, Washington 98403



12/12/2023

Divisions 8-20 and 9-29
Jacob Meulink, PE
Tres West Engineers, Inc.
2702 S 42nd Street, Ste 301
Tacoma, Washington 98409



12/12/2023

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**City of Tacoma
Public Works Engineering**

**REQUEST FOR BIDS PW23-0085F
J STREET BICYCLE BOULEVARD**

Submittal Deadline: 11:00 a.m., Pacific Time, Tuesday, February 13, 2024

Submittals must be received by the City’s Procurement and Payables Division no later than 11:00 a.m. Pacific Time.

Submittal Delivery: Sealed submittals will be received either electronically or in-person:

<p>By Email: sendbid@cityoftacoma.org Maximum file size: 35 MB. Multiple emails may be sent for each submittal. All emails must be recorded as received by the submittal deadline listed above.</p>	<p>In-Person: Tacoma Public Utilities Administration Building N 3628 S 35th Street, Tacoma, WA 98409</p>
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Bid Opening: Submittals must be received no later than 11:00 a.m. Pacific Time on Tuesday, February 13, 2024. Late submittals will be returned unopened and rejected as non-responsive.

Sealed submittals in response to a RFB will be opened Tuesday’s at 11:15 a.m. 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 a.m. 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 by accessing the City of Tacoma Purchasing website at www.TacomaPurchasing.org.

Physical copies of solicitation documents will be available at 3628 S 35th Street, Tacoma, WA 98409.

[Register for the Bid Holders List](#) to receive notices of addenda, questions and answers and related updates.

Click here to see a [list of vendors registered for this solicitation](#).

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

Project Scope: Project will construct a two-mile bicycle boulevard on J Street, from N 3rd Street to S 27th Street, along with improved east/west bicycle connections. Project includes traffic diverters and mix of concrete and painted/low-profile curb bulbouts and center medians, as well as improved pedestrian crossings, ADA-accessible signals, bicycle detection at signals, ADA ramps, shared lane markings, protected bike lanes, and wayfinding signage. The Disadvantaged Business Enterprise (DBE) goal for this work is 16% and a training requirement of 800 hours has been established for this project. As this is a federally funded project, the selected firm will be held to Federal EEO requirements.

Estimate: \$4,675,000

Paid Sick Leave: The City of Tacoma requires all employers to provide paid sick leave as set forth in Title 18 of the Tacoma Municipal Code and in accordance with State of Washington law.

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 CFR Part 26 in the award and administration of USDOT-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; or (4) Disqualifying the contractor from future bidding as non-responsible.

Protest Policy: City of Tacoma [protest policy](#), located at www.tacomapurchasing.org, and available at 3628 S 35th Street, Tacoma, WA 98409, specifies procedures for protests submitted prior to and after submittal deadline. Requests for information regarding the Protest Policy may be obtained at by contacting the purchasing representative listed below.

Additional Information: Requests for information regarding the specifications may be obtained by contacting the purchasing representative, Carly Fowler, Senior Buyer by email to cfowler@cityoftacoma.org, 253-502-8468, and 3628 S 35th Street, Tacoma, WA 98409.

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 above in the Additional Information section.

Dates of publication in the *(Daily Index)*: (January 23, 2024), and (January 30, 2024).



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. **EQUAL EMPLOYMENT OPPORTUNITIES:** The City of Tacoma's Prime Contractor's Pre-Work Form shall be completed by the bidder and submitted with the bid. This form is used to

determine the bidder's EEO practices in accordance with Executive Order 11246 and TMC 10.26.

9. **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 sixteen percent (16%).
10. **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.**

CODE OF ETHICS: The successful bidder agrees that its violation of the City's Code of Ethics contained in TMC Chapter 1.46 shall constitute a breach of the contract subjecting the contract to termination.

PART I

BID PROPOSAL AND CONTRACT FORMS

BID PROPOSAL

SPECIFICATION NO. PW23-0085F
J Street Bicycle Boulevard

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-G0057 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	1-04	Minor Changes	Force Account	Estimate	Estimated	\$25,000.00
R-2	1-05	Roadway Surveying	Lump Sum	1	Lump Sum	\$ _____
R-3	1-05	Record Drawings	Lump Sum	1	Minimum Bid \$5000	\$ _____
R-4	1-07	SPCC Plan	Lump Sum	1	Lump Sum	\$ _____
R-5	1-07	Archeological and Historical Objects Salvage	Force Account	Estimated	Estimated	\$5,000.00
R-6	1-07	Training	Hour	800	\$ _____	\$ _____
R-7	1-09	Mobilization	Lump Sum	1	Lump Sum	\$ _____
R-8	1-10	Pedestrian Traffic Control	Lump Sum	1	Lump Sum	\$ _____
R-9	1-10	Contractor Provided Uniformed Police Officer	Hour	100	\$ _____	\$ _____

Contractor's Name: _____
Specification Number: PW23-0085F
J Street Bicycle Boulevard

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-10	1-10	Portable Changeable Message Sign	Hour	3,530	\$_____	\$_____
R-11	1-10	Project Temporary Traffic Control	Lump Sum	1	Lump Sum	\$_____
R-12	2-01	Certified Arborist	Lump Sum	1	Lump Sum	\$_____
R-13	2-01	Certified Arborist Assessment Report Compliance	Force Account	Estimated	Estimated	\$5,000
R-14	2-01	Roadside Cleanup	Force Account	Estimated	Estimated	\$40,000.00
R-15	2-01	Clearing and Grubbing	Lump Sum	1	Lump Sum	\$_____
R-16	2-02	Removal of Structure and Obstruction	Lump Sum	1	Lump Sum	\$_____
R-17	2-02	Test Holes	Lin. Ft.	220	\$_____	\$_____
R-18	2-03	Roadway Excavation Incl. Haul	Cu. Yd.	90	\$_____	\$_____
R-19	2-03	Gravel Borrow Incl. Haul	Cu. Yd.	165	\$_____	\$_____
R-20	2-06	Subgrade Maintenance and Protection	Lump Sum	1	Lump Sum	\$_____
R-21	2-09	Structure Excavation Class B	Lump Sum	1	Lump Sum	\$_____
R-22	2-14	Remove Existing Pavement, Type I, Class A2	Sq. Yd.	45	\$_____	\$_____
R-23	2-14	Remove Existing Pavement, Type I, Class A4	Sq. Yd.	60	\$_____	\$_____
R-24	2-14	Remove Existing Pavement, Type I, Class C6	Sq. Yd.	2,000	\$_____	\$_____
R-25	2-14	Remove Existing Pavement, Type I, Class C12	Sq. Yd.	315	\$_____	\$_____

Contractor's Name: _____
Specification Number: PW23-0085F
J Street Bicycle Boulevard

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-26	2-14	Remove Existing Pavement, Type I, Class CA	Sq. Yd.	3,930	\$ _____	\$ _____
R-27	2-14	Remove Existing Pavement, Type II, Class CA	Sq. Yd.	170	\$ _____	\$ _____
R-28	2-15	Remove Curb	Lin. Ft.	2,200	\$ _____	\$ _____
R-29	2-17	Remove Catch Basin	Each	17	\$ _____	\$ _____
R-30	2-17	Site Health & Safety Plan	Lump Sum	1	Lump Sum	\$ _____
R-31	2-17	Site Health & Safety Officer	Lump Sum	1	Lump Sum	\$ _____
R-32	2-17	Soil Management Plan	Lump Sum	1	Lump Sum	\$ _____
R-33	2-19	Remove and Replace Existing Lid with ADA Compliant Non-slip Lid	Each	13	\$ _____	\$ _____
R-34	4-04	Crushed Surfacing Top Course	Cu. Yd.	360	\$ _____	\$ _____
R-35	4-04	Crushed Surfacing Base Course	Cu. Yd.	1,745	\$ _____	\$ _____
R-36	5-04	HMA CL ½ In. PG 58H-22	Ton	2,100	\$ _____	\$ _____
R-37	5-04	Planning Bituminous Pavement	Sq. Yd.	12,500	\$ _____	\$ _____
R-38	5-05	Cement Conc. Pavement	Sq. Yd.	350	\$ _____	\$ _____
R-39	7-05	Manhole 48 In. Diam. Type 3	Each	9	\$ _____	\$ _____
R-40	7-05	Catch Basin Type I	Each	25	\$ _____	\$ _____
R-41	7-05	Catch Basin Type II 48 In. Diam.	Each	6	\$ _____	\$ _____
R-42	7-05	Combination Inlet	Each	24	\$ _____	\$ _____

Contractor's Name: _____
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Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-43	7-05	Connect New Sewer Pipe ___-In. Diam. to Existing Structure	Each	6	\$ _____	\$ _____
R-44	7-05	Reconnect Existing Sewer Pipe ___-In. Diam. to New Structure	Each	28	\$ _____	\$ _____
R-45	7-05	Adjust Existing Catch Basin, Furnish New Frame and Grate	Each	20	\$ _____	\$ _____
R-46	7-05	Adjust Existing Manhole, Furnish New Frame and Cover	Each	35	\$ _____	\$ _____
R-47	7-05	Adjust Existing Utility Lid to Grade	Each	60	\$ _____	\$ _____
R-48	7-05	Private Utility Coordination	Lump Sum	1	Lump Sum	\$ _____
R-49	7-08	Plugging Existing Pipe	Each	2	\$ _____	\$ _____
R-50	7-17	PVC Sewer Pipe 12 In. Diam.	Lin. Ft.	317	\$ _____	\$ _____
R-51	7-17	Ductile Iron Sewer Pipe 4 In. Diam.	Lin. Ft.	6	\$ _____	\$ _____
R-52	7-17	Ductile Iron Sewer Pipe 8 In. Diam.	Lin. Ft.	142	\$ _____	\$ _____
R-53	7-17	Ductile Iron Sewer Pipe 12 In. Diam.	Lin. Ft.	215	\$ _____	\$ _____
R-54	7-17	Removal and Replacement of Unsuitable Material	Cu. Yd.	415	\$ _____	\$ _____
R-55	7-19	Sewer Cleanout	Each	2	\$ _____	\$ _____
R-56	7-20	Trench Drain	Lin. Ft.	95	\$ _____	\$ _____
R-57	8-01	NPDES Construction Stormwater General Permit	Lump Sum	1	Lump Sum	\$ _____
R-58	8-01	Erosion Control and Water Pollution Prevention	Lump Sum	1	Lump Sum	\$ _____

Contractor's Name: _____
Specification Number: PW23-0085F
J Street Bicycle Boulevard

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-59	8-01	Stormwater Pollution Prevention Plan (SWPPP)	Lump Sum	1	Lump Sum	\$ _____
R-60	8-02	Tree Protection	Each	23	\$ _____	\$ _____
R-61	8-02	Roadside Restoration	Lump Sum	1	Lump Sum	\$ _____
R-62	8-04	Cement Conc. Traffic Curb and Gutter	Lin. Ft.	2,165	\$ _____	\$ _____
R-63	8-04	Cement Conc. Pedestrian Curb	Lin. Ft.	200	\$ _____	\$ _____
R-64	8-04	Cement Conc. Traffic Curb	Lin. Ft.	1,100	\$ _____	\$ _____
R-65	8-04	Type "C" Mountable Cement Concrete Curb	Lin. Ft.	95	\$ _____	\$ _____
R-66	8-04	Type "D" Mountable Cement Concrete Curb	Lin. Ft.	55	\$ _____	\$ _____
R-67	8-06	Cement Conc. Driveway Entrance Type 3	Sq. Yd.	115	\$ _____	\$ _____
R-68	8-09	Raised Pavement Marker Type 2	Hundred	2	\$ _____	\$ _____
R-69	8-13	Poured Monument	Each	12	\$ _____	\$ _____
R-70	8-14	Cement Conc. Sidewalk	Sq. Yd.	1,332	\$ _____	\$ _____
R-71	8-14	Reinforced Cement Conc. Sidewalk	Sq. Yd.	185	\$ _____	\$ _____
R-72	8-14	Cement Conc. Curb Ramp	Each	86	\$ _____	\$ _____
R-73	8-14	Cement Conc. Curb Bike Ramp	Each	4	\$ _____	\$ _____
R-74	8-14	Detectable Warning Surface	Sq. Ft.	310	\$ _____	\$ _____
R-75	8-17	Fixed Bollard	Each	2	\$ _____	\$ _____
R-76	8-20	Illumination System Modifications	Lump Sum	1	Lump Sum	\$ _____

Contractor's Name: _____
Specification Number: PW23-0085F
J Street Bicycle Boulevard

Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-77	8-20	Traffic Signal System Modifications	Lump Sum	1	Lump Sum	\$ _____
R-78	8-20	Traffic Signal System Overhead Adjustment	Lump Sum	1	Lump Sum	\$ _____
R-79	8-20	Remove Direct Bury Cable	Lin. Ft.	2,160	\$ _____	\$ _____
R-80	8-20	Install Junction Box	Each	39	\$ _____	\$ _____
R-81	8-20	RRFB Assembly w/ Associated Signage, Wire, and Conduit	Each	10	\$ _____	\$ _____
R-82	8-20	PPB Assembly w/ Associated Wire and Conduit	Each	53	\$ _____	\$ _____
R-83	8-20	Conduit Pipe 2 In. Diam.	Lin. Ft.	2,060	\$ _____	\$ _____
R-84	8-21	Permanent Signing	Lump Sum	1	Lump Sum	\$ _____
R-85	8-22	Plastic White Lane Line (4")	Lin. Ft.	20	\$ _____	\$ _____
R-86	8-22	Plastic White Edge Line (4")	Lin. Ft.	6,205	\$ _____	\$ _____
R-87	8-22	Plastic Double Yellow Center Line (4" x 2)	Lin. Ft.	2,705	\$ _____	\$ _____
R-88	8-22	Plastic Single Yellow Center Line (4" x 1)	Lin. Ft.	1,770	\$ _____	\$ _____
R-89	8-22	Plastic White Gore Line (8")	Lin. Ft.	90	\$ _____	\$ _____
R-90	8-22	Plastic Dotted Extension Line (4")	Lin. Ft.	185	\$ _____	\$ _____
R-91	8-22	Plastic Bike Lane Skip Line (6")	Lin. Ft.	1,375	\$ _____	\$ _____
R-92	8-22	Plastic Bike Lane (6")	Lin. Ft.	2,355	\$ _____	\$ _____
R-93	8-22	Plastic Stop Line	Lin. Ft.	815	\$ _____	\$ _____
R-94	8-22	Plastic Crosswalk Line	Lin. Ft.	1,980	\$ _____	\$ _____

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Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-95	8-22	Plastic Traffic Arrow	Each	16	\$ _____	\$ _____
R-96	8-22	Plastic Traffic Letter	Each	22	\$ _____	\$ _____
R-97	8-22	Plastic Bicycle Lane Symbol	Each	44	\$ _____	\$ _____
R-98	8-22	Painted Curb	Lin. Ft.	70	\$ _____	\$ _____
R-99	8-22	Green Durable Product	Sq. Ft.	3,125	\$ _____	\$ _____
R-100	8-22	Plastic Sharrow Symbol	Each	130	\$ _____	\$ _____
R-101	8-22	Daylight Striping	Lin. Ft.	4,940	\$ _____	\$ _____
R-102	8-22	Plastic 24-Inch Wide Median Striping	Sq. Ft.	155	\$ _____	\$ _____
R-103	8-22	Remove Pavement Markings	Lump Sum	1	Lump Sum	\$ _____
R-104	8-22	Painted Markings to Match Existing	Lump Sum	1	Lump Sum	\$ _____
R-105	8-22	Prime Future Art Areas	Lump Sum	1	Lump Sum	\$ _____
R-106	8-23	Temporary Pavement Markings	Lump Sum	1	Lump Sum	\$ _____
R-107	8-33	High-Performance Traffic Separator Curb	Lin. Ft.	1,420	\$ _____	\$ _____
R-108	8-33	High-Performance Low-Profile Traffic-Separator Curb	Lin. Ft.	390	\$ _____	\$ _____
R-109	8-33	Flexible Delineators	Each	375	\$ _____	\$ _____
R-110	8-33	Green Bicycle Tiles	Lin. Ft.	55	\$ _____	\$ _____
R-111	8-34	Accessibility Work Plan	Lump Sum	1	Lump Sum	\$ _____
R-112	8-35	Maintain Required Access	Lump Sum	1	Lump Sum	\$ _____

Contractor's Name: _____
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Item No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-113	8-36	Protection of Private Property	Lump Sum	1	Lump Sum	\$ _____
TOTAL BASE BID FOR ITEMS R-1 THRU R-113						\$ _____

Proposal for Incorporating Recycled Materials into the Project

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

Proposed total percentage: _____ percent.

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

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

Bidder: _____

Signature of Authorized Official: _____

Date: _____

BID PROPOSAL

SPECIFICATION NO. PW23-0085F J Street Bicycle Boulevard – Aspire 11 Frontage Improvements

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-G0057 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.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-1	Contingency	Lump Sum	1	Lump Sum	\$ _____
R-2	Mobilization	Lump Sum	1	Lump Sum	\$ _____
R-3	Erosion Control and Water Pollution Prevention	Lump Sum	1	Lump Sum	\$ _____
R-4	Project Temporary Traffic Control	Lump Sum	1	Lump Sum	\$ _____
R-5	Clearing and Grubbing	Lump Sum	1	Lump Sum	\$ _____
R-6	Remove Existing Pavement, Type I, Class A4	Sq. Yd.	25	\$ _____	\$ _____
R-7	Remove Existing Pavement, Type I, Class C6	Sq. Yd.	250	\$ _____	\$ _____
R-8	Remove Existing Pavement, Type I, Class C12	Sq. Yd.	135	\$ _____	\$ _____

Contractor's Name: _____
Specification Number: PW23-0085F
J Street Bicycle Boulevard – Aspire

Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-9	Remove Existing Pavement, Type I, Class CA	Sq. Yd.	450	\$ _____	\$ _____
R-10	Remove Curb	Lin. Ft.	440	\$ _____	\$ _____
R-11	Poured Monument	Each	1	\$ _____	\$ _____
R-12	Removal of Structure and Obstruction	Lump Sum	1	Lump Sum	\$ _____
R-13	Remove and Replace Existing Lid with ADA Compliant Non-Slip Lid	Each	1	\$ _____	\$ _____
R-14	Crushed Surfacing Base Course	Ton	35	\$ _____	\$ _____
R-15	Crushed Surfacing Top Course	Ton	175	\$ _____	\$ _____
R-16	HMA Cl. ½ in. PG 58H-22	Ton	200	\$ _____	\$ _____
R-17	Planing Bituminous Pavement	Sq. Yd.	270	\$ _____	\$ _____
R-18	Cement Conc. Pavement	Sq. Yd.	100	\$ _____	\$ _____
R-19	Adjust Existing Catch Basin, Furnish New Frame and Grate	Each	5	\$ _____	\$ _____
R-20	Adjust Existing Manhole, Furnish New Frame and Cover	Each	3	\$ _____	\$ _____
R-21	Adjust Existing Utility Lid to Grade	Each	7	\$ _____	\$ _____
R-22	Roadside Restoration	Lump Sum	1	Lump Sum	\$ _____
R-23	Cement Conc. Traffic Curb and Gutter	Lin. Ft.	1,015	\$ _____	\$ _____
R-24	Cement Concrete Driveway Entrance Type 3	Sq. Yd.	80	\$ _____	\$ _____
R-25	Cement Conc. Sidewalk	Sq. Yd.	100	\$ _____	\$ _____

Contractor's Name: _____

Specification Number: PW23-0085F

J Street Bicycle Boulevard – Aspire

Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-26	Cement Conc. Curb Ramp	Each	12	\$ _____	\$ _____
R-27	Install Junction Box	Each	6	\$ _____	\$ _____
R-28	Inlet Protection	Each	10	\$ _____	\$ _____
TOTAL BASE BID FOR ITEMS R-1 THRU R-28				\$ _____	

Proposal for Incorporating Recycled Materials into the Project

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

Proposed total percentage: _____ percent.

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

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

Bidder: _____

Signature of Authorized Official: _____

Date: _____

BID 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: PW23-0085F

J Street Bicycle Boulevard

- #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 (**January 23, 2024**), 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 bids@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 bids@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 _____

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. PW23-0085F

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 considering 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. [Enter Reso # Here]
Bond No.

That we, the undersigned, [Supplier name] _____
as principal, and _____
as a surety, are jointly and severally held and firmly bound to the CITY OF TACOMA, in the penal sum of,
[\$dollar value], plus any applicable taxes _____, 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. [Enter Spec # Here]

Specification Title: [Enter Spec Title Here]

Contract No. [Enter Contract # Here]

(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 waivers 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. [Enter Reso # Here]
Specification No. [Enter Spec # Here]
Contract No. [Enter Contract # Here]

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: [Supplier name]

By: _____

Surety:

By: _____

Agent's Name: _____

Agent's Address: _____



PERFORMANCE BOND TO THE CITY OF TACOMA

Resolution No. [Enter Reso # Here]
Bond No.

That we, the undersigned, [Supplier Name] _____
as principal, and _____
as a surety, are jointly and severally held and firmly bound to the CITY OF TACOMA, in the penal sum of
\$[dollar value], plus any applicable tax, 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. [Enter Spec # Here] _____
Specification Title: [Enter Spec Title Here] _____
Contract No. [Enter Contract # Here] _____

(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: [Supplier 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*
5 *Specifications for Road, Bridge and Municipal Construction*, 2023 edition, as issued by
6 the Washington State Department of Transportation (WSDOT) and the American Public
7 Works Association (APWA), Washington State Chapter (hereafter “Standard
8 Specifications”). The Standard Specifications, as modified or supplemented by the
9 Amendments to the Standard Specifications and these Special Provisions, all of which
10 are made a part of the Contract Documents, shall govern all the Work.

11
12 These Special Provisions are made up of both General Special Provisions (GSPs) from
13 various sources, which may have project-specific fill-ins; and project-specific Special
14 Provisions. Each Provision either supplements, modifies, or replaces the comparable
15 Standard Specification, or is a new Provision. The deletion, amendment, alteration, or
16 addition to any subsection or portion of the Standard Specifications is meant to pertain
17 only to that particular portion of the section, and in no way should it be interpreted that
18 the balance of the section does not apply.

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

- 23
24 *(March 8, 2013 APWA GSP)*
25 *(April 1, 2013 WSDOT GSP)*
26 *(September 11, 2023 Tacoma GSP)*
27

28 Also incorporated into the Contract Documents by reference are:

- 29 • *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently
30 adopted edition, with Washington State modifications, if any
31 • *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA,
32 current edition
33 • City of Tacoma Standard Plans
34 • City of Tacoma Traffic Control Handbook
35

36 Contractor shall obtain copies of these publications, at Contractor’s own expense.
37

38 **DESCRIPTION OF WORK**
39 **(March 13, 1995)**

40
41 This Contract provides for the construction of a two-mile bicycle boulevard on J Street
42 from N 3rd Street to S 27th Street, along with improved east/west bicycle connections
43 via 6th Avenue, S 11th Street, Earnest S Brazill Street, S 17th Street, and S 18th Street,
44 including traffic diverters and mix of concrete and painted/low-profile curb bulbouts and
45 center medians, along with improved pedestrian crossings, ADA-accessible signals,
46 bicycle detection at signals, and ADA ramps, shared lane markings, protected bike
47 lanes, art and wayfinding signage, all in accordance with the attached Contract Plans,
48 these Contract Provisions, and the Standard Specifications.
49
50

1 **1-01 DEFINITIONS AND TERMS**

2
3 **1-01.3 Definitions**
4 **(January 19, 2022 APWA GSP)**

5
6 *Delete the heading Completion Dates and the three paragraphs that follow it, and*
7 *replace them with the following:*
8

9 **Dates**

10 ***Bid Opening Date***

11 The date on which the Contracting Agency publicly opens and reads the Bids.

12 ***Award Date***

13 The date of the formal decision of the Contracting Agency to accept the lowest
14 responsible and responsive Bidder for the Work.

15 ***Contract Execution Date***

16 The date the Contracting Agency officially binds the Agency to the Contract.

17 ***Notice to Proceed Date***

18 The date stated in the Notice to Proceed on which the Contract time begins.

19 ***Substantial Completion Date***

20 The day the Engineer determines the Contracting Agency has full and
21 unrestricted use and benefit of the facilities, both from the operational and safety
22 standpoint, any remaining traffic disruptions will be rare and brief, and only minor
23 incidental work, replacement of temporary substitute facilities, plant
24 establishment periods, or correction or repair remains for the Physical
25 Completion of the total Contract.

26 ***Physical Completion Date***

27 The day all of the Work is physically completed on the project. All documentation
28 required by the Contract and required by law does not necessarily need to be
29 furnished by the Contractor by this date.

30 ***Completion Date***

31 The day all the Work specified in the Contract is completed and all the
32 obligations of the Contractor under the contract are fulfilled by the Contractor. All
33 documentation required by the Contract and required by law must be furnished
34 by the Contractor before establishment of this date.

35 ***Final Acceptance Date***

36 The date on which the Contracting Agency accepts the Work as complete.
37

38 Supplement this Section with the following:
39

40 All references in the Standard Specifications or WSDOT General Special Provisions,
41 to the terms "Department of Transportation", "Washington State Transportation
42 Commission", "Commission", "Secretary of Transportation", "Secretary",
43 "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".
44

45 All references to the terms "State" or "state" shall be revised to read "Contracting
46 Agency" unless the reference is to an administrative agency of the State of
47 Washington, a State statute or regulation, or the context reasonably indicates
48 otherwise.
49
50

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

3
4 All references to "final contract voucher certification" shall be interpreted to mean the
5 Contracting Agency form(s) by which final payment is authorized, and final
6 completion and acceptance granted.

7
8 **Additive**

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

12
13 **Alternate**

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

17
18 **Business Day**

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

21
22 **Contract Bond**

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

26
27 **Contract Documents**

28 See definition for "Contract".

29
30 **Contract Time**

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

33
34 **Notice of Award**

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

37
38 **Notice to Proceed**

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

42
43 **Traffic**

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

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
10 qualifications of RCW 39.04.350(1) to be considered a responsible bidder and
11 qualified to be awarded a 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
18 Call 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
21 no cost 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
25 source 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 "Any prospective Bidder*
31 *desiring...", is revised to read:*

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

37
38 **1-02.5 Proposal Forms**
39 **(July 31, 2017 APWA GSP)**

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

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

12
13 The Contracting Agency reserves the right to arrange the proposal forms with
14 alternates and additives, if such be to the advantage of the Contracting Agency. The
15 bidder shall bid on all alternates and additives set forth in the Proposal Form unless
16 otherwise specified.

17
18 **1-02.6 Preparation of Proposal**
19 **(December 10, 2020 APWA GSP, Option B)**

20
21 *Supplement the second paragraph with the following:*

- 22 4. If a minimum bid amount has been established for any item, the unit or lump
23 sum price must equal or exceed the minimum amount stated.
24 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be
25 initialed by the signer of the bid.

26
27 *Delete the last two paragraphs, and replace them with the following:*

28
29 The Bidder shall submit with their Bid a completed Contractor Certification Wage
30 Law Compliance form, provided by the Contracting Agency. Failure to return this
31 certification as part of the Bid Proposal package will make this Bid Nonresponsive
32 and ineligible for Award. A Contractor Certification of Wage Law Compliance form is
33 included in the Proposal Forms.

34
35 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any
36 manner.

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

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

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

50
51 Add the following new section:
52

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

3
4 The Bidder shall submit with the Bid, its proposal for incorporating recycled materials
5 into the project, using the form provided in the Contract Provisions.
6

7 **1-02.7 Bid Deposit**
8 **(December 6, 2023 Tacoma GSP)**

9
10 *Delete this section and replace it with the following:*

11
12 A deposit of 5 percent of the total Bid shall accompany each Bid. This deposit may
13 be cash, certified check, cashier's check, or a proposal bond (Surety bond). Any
14 proposal bond shall be on the Contracting Agency's form and shall be signed by the
15 Bidder and the Surety. A proposal bond shall not be conditioned in any way to
16 modify the minimum 5 percent required. The Surety shall: (1) be registered with the
17 Washington State Insurance Commissioner, and (2) appear on the current
18 Authorized Insurance List in the State of Washington published by the Office of the
19 Insurance Commissioner.
20

21 The failure to furnish a Bid deposit of 5 percent shall make the Bid nonresponsive
22 and shall cause the Bid to be rejected by the Contracting Agency.
23

24 If submitting your bid electronically, a scanned version of the original bid bond or
25 cashier's check shall accompany your electronic bid submittal. The original bid bond
26 or cashier's check shall be sent to the Contracting Agency and received by the
27 Contracting Agency prior to the bid opening or the bidder may be deemed non-
28 responsive.
29

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

31 City of Tacoma Procurement & Payables Division
32 Tacoma Public Utilities
33 3628 S 35th Street
34 Tacoma, WA 98409
35

36 If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.
37

38 **1-02.9 Delivery of Proposal**
39 **(January 19, 2022 APWA GSP Option B)**

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

42
43 Each Proposal shall be submitted in a sealed envelope, with the Project Name and
44 Project Number as stated in the Call for Bids clearly marked on the outside of the
45 envelope, or as otherwise required in the Bid Documents, to ensure proper handling
46 and delivery.
47

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

- 50
51
 - 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
52
53

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

7
8 **1-02.10 Withdrawing, Revising, or Supplementing Proposal**

9 *(December 6, 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,
13 revise, or supplement it if:

- 14
15 1. The Bidder submits a written request signed by an authorized person and either
16 emailed to sendbid@cityoftacoma.org, or delivered in person to

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

21 and

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

27 The Bidder's written request to revise or supplement a Bid Proposal must be
28 accompanied by the revised or supplemented package in its entirety. If the Bidder does
29 not submit a revised or supplemented package, then its bid shall be considered
30 withdrawn.

31
32 Late revised or supplemented Bid Proposals or late withdrawal requests will be date
33 recorded by the Contracting Agency and returned unopened.
34

35 **1-02.12 Public Opening of Proposals**
36 **(December 6, 2023 Tacoma GSP)**

37
38 *This section is supplemented with the following:*

39
40 Proposals will be opened and publicly read via webcast at the time indicated in the
41 call for Bids unless the Bid opening has been delayed or canceled.

42
43 This public bid opening will be held via webinar. Please use the link below or on the
44 Request for Bids page to join the webinar:

45
46 <https://us06web.zoom.us/j/88402680573?pwd=eThSaXZxNER0TWRhUGx6U0F2cURM>
47 [Zz09](#)

48
49 Preliminary and final bid results are posted at www.TacomaPurchasing.org.
50
51

1 **1-02.13 Irregular Proposals**
2 **(December 30, 2022 APWA GSP)**

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

- 5
6 1. A Proposal will be considered irregular and will be rejected if:
- 7 a. The Bidder is not prequalified when so required;
 - 8 b. The authorized Proposal form furnished by the Contracting Agency is not
9 used or is altered;
 - 10 c. The completed Proposal form contains any unauthorized additions,
11 deletions, alternate Bids, or conditions;
 - 12 d. The Bidder adds provisions reserving the right to reject or accept the
13 award, or enter into the Contract;
 - 14 e. A price per unit cannot be determined from the Bid Proposal;
 - 15 f. The Proposal form is not properly executed;
 - 16 g. The Bidder fails to submit or properly complete a Subcontractor list, if
17 applicable, as required in Section 1-02.6;
 - 18 h. The Bidder fails to submit or properly complete a Disadvantaged
19 Business Enterprise Certification, if applicable, as required in Section 1-
20 02.6;
 - 21 i. The Bidder fails to submit written confirmation from each DBE firm listed
22 on the Bidder's completed DBE Utilization Certification that they are in
23 agreement with the bidder's DBE participation commitment, if applicable,
24 as required in Section 1-02.6, or if the written confirmation that is
25 submitted fails to meet the requirements of the Special Provisions;
 - 26 j. The Bidder fails to submit DBE Good Faith Effort documentation, if
27 applicable, as required in Section 1-02.6, or if the documentation that is
28 submitted fails to demonstrate that a Good Faith Effort to meet the
29 Condition of Award was made;
 - 30 k. The Bidder fails to submit a DBE Bid Item Breakdown form, if applicable,
31 as required in Section 1-02.6, or if the documentation that is submitted
32 fails to meet the requirements of the Special Provisions;
 - 33 l. The Bidder fails to submit DBE Trucking Credit Forms, if applicable, as
34 required in Section 1-02.6, or if the documentation that is submitted fails
35 to meet the requirements of the Special Provisions;
 - 36 m. The Bid Proposal does not constitute a definite and unqualified offer to
37 meet the material terms of the Bid invitation; or
 - 38 n. More than one Proposal is submitted for the same project from a Bidder
39 under the same or different names.
- 40
41 2. A Proposal may be considered irregular and may be rejected if:
- 42 a. The Proposal does not include a unit price for every Bid item;
 - 43 b. Any of the unit prices are excessively unbalanced (either above or below
44 the amount of a reasonable Bid) to the potential detriment of the
45 Contracting Agency;
 - 46 c. Receipt of Addenda is not acknowledged;
 - 47 d. A member of a joint venture or partnership and the joint venture or
48 partnership submit Proposals for the same project (in such an instance,
49 both Bids may be rejected); or
 - 50 e. If Proposal form entries are not made in ink.
- 51
52

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

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

5
6 A Bidder will be deemed not responsible if the Bidder does not meet the mandatory
7 bidder responsibility criteria in RCW 39.04.350(1), as amended.

8
9 The Contracting Agency will verify that the Bidder meets the mandatory bidder
10 responsibility criteria in RCW 39.04.350(1). To assess bidder responsibility, the
11 Contracting Agency reserves the right to request documentation as needed from the
12 Bidder and third parties concerning the Bidder's compliance with the mandatory
13 bidder responsibility criteria.

14
15 If the Contracting Agency determines the Bidder does not meet the mandatory bidder
16 responsibility criteria in RCW 39.04.350(1) and is therefore not a responsible Bidder,
17 the Contracting Agency shall notify the Bidder in writing, with the reasons for its
18 determination. If the Bidder disagrees with this determination, it may appeal the
19 determination within two (2) business days of the Contracting Agency's
20 determination by presenting its appeal and any additional information to the
21 Contracting Agency. The Contracting Agency will consider the appeal and any
22 additional information before issuing its final determination. If the final determination
23 affirms that the Bidder is not responsible, the Contracting Agency will not execute a
24 contract with any other Bidder until at least two business days after the Bidder
25 determined to be not responsible has received the Contracting Agency's final
26 determination.

27
28 **1-02.15 Pre Award Information**
29 **(December 30, 2022 APWA GSP)**

30
31 *Revise this section to read:*

32
33 Before awarding any contract, the Contracting Agency may require one or more of these
34 items or actions of the apparent lowest responsible bidder:

- 35 1. A complete statement of the origin, composition, and manufacture of any or all
36 materials to be used,
 - 37 2. Samples of these materials for quality and fitness tests,
 - 38 3. A progress schedule (in a form the Contracting Agency requires) showing the
39 order of and time required for the various phases of the work,
 - 40 4. A breakdown of costs assigned to any bid item,
 - 41 5. Attendance at a conference with the Engineer or representatives of the Engineer,
 - 42 6. Obtain, and furnish a copy of, a business license to do business in the city or
43 county where the work is located.
 - 44 7. Any other information or action taken that is deemed necessary to ensure that
45 the bidder is the lowest responsible bidder.
- 46
47

1 **1-03 AWARD AND EXECUTION OF CONTRACT**

2
3 **1-03.1 Consideration of Bids**
4 **(December 30, 2022 APWA GSP)**

5 *Revise the first paragraph to read:*

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

18
19 **1-03.1(1) Identical Bid Totals**
20 **(December 30, 2022 APWA GSP)**

21 *Revise this section to read:*

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

38
39 **1-03.3 Execution of Contract**
40 **(January 19, 2022 APWA GSP)**

41
42 *Revise this section to read:*

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

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

1
2 Within 10 calendar days after the award date, the successful bidder shall return the
3 signed Contracting Agency-prepared contract, an insurance certification as required
4 by Section 1-07.18, a satisfactory bond as required by law and Section 1-03.4, the
5 Transfer of Coverage form for the Construction Stormwater General Permit with
6 sections I, III, and VIII completed when provided. Before execution of the contract by
7 the Contracting Agency, the successful bidder shall provide any pre-award
8 information the Contracting Agency may require under Section 1-02.15.
9

10 Until the Contracting Agency executes a contract, no proposal shall bind the
11 Contracting Agency nor shall any work begin within the project limits or within
12 Contracting Agency-furnished sites. The Contractor shall bear all risks for any work
13 begun outside such areas and for any materials ordered before the contract is
14 executed by the Contracting Agency.
15

16 If the bidder experiences circumstances beyond their control that prevents return of
17 the contract documents within the calendar days after the award date stated above,
18 the Contracting Agency may grant up to a maximum of 10 additional calendar days
19 for return of the documents, provided the Contracting Agency deems the
20 circumstances warrant it.
21

22 **1-03.4 Contract Bond**
23 **(July 23, 2015 APWA GSP)**

24 *Delete the first paragraph and replace it with the following:*
25

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

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

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

5
6 **1-03.7 Judicial Review**
7 **(December 30, 2022 APWA GSP)**

8
9 *Revise this section to read:*

10
11 Any decision made by the Contracting Agency regarding the Award and execution of
12 the Contract or Bid rejection shall be conclusive subject to the scope of judicial
13 review permitted under Washington Law. Such review, if any, shall be timely filed in
14 the Superior Court of the county where the Contracting Agency headquarters is
15 located, provided that where an action is asserted against a county, RCW 36.01.050
16 shall control venue and jurisdiction.
17
18
19

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

2
3 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions,**
4 **Specifications, and Addenda**
5 **(December 30, 2022 APWA GSP)**

6
7 *Revise the second paragraph to read:*

8
9 Any inconsistency in the parts of the contract shall be resolved by following this order of
10 precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

- 11 1. Addenda,
- 12 2. Proposal Form,
- 13 3. Special Provisions,
- 14 4. Contract Plans,
- 15 5. Standard Specifications,
- 16 6. Contracting Agency's Standard Plans or Details (if any), and
- 17 7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

18
19 **1-04.4 Changes**
20 **(January 19, 2022 APWA GSP)**

21
22 The first two sentences of the last paragraph of Section 1-04.4 are deleted.
23
24

1 **1-05 CONTROL OF WORK**

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

4 *This section is supplemented with the following:*

5
6 **1-05.4 OPT2.GR1**

7 **(January 13, 2021 WSDOT GSP)**

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 not
21 identified in the Plans and construction activity may disturb or damage the monuments.
22 All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout
23 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 1. Verify the primary horizontal and vertical control furnished by the Contracting
37 Agency, and expand into secondary control by adding stakes and hubs as well
38 as additional survey control needed for the project. Provide descriptions of
39 secondary control to the Contracting Agency. The description shall include
40 coordinates and elevations of all secondary control points.
41
42 2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on
43 centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and
44 at points on the alignments spaced no further than 50 feet.
45
46 3. Establish clearing limits, placing stakes at all angle points and at intermediate
47 points not more than 50 feet apart. The clearing and grubbing limits shall be 5
48 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise
49 shown in the Plans.
50
51
52

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

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

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

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

1	Surfacing grade stakes	±0.01 feet	±0.5 feet
2			(parallel to alignment)
3			±0.1 feet
4			(normal to alignment)
5	Roadway paving pins for		
6	surfacing or paving	±0.01 feet	±0.2 feet
7			(parallel to alignment)
8			±0.1 feet
9			(normal to alignment)

10
11 The Contracting Agency may spot-check the Contractor's surveying. These spot- checks
12 will not change the requirements for normal checking by the Contractor.

13
14 When staking roadway alignment and stationing, the Contractor shall perform
15 independent checks from different secondary control to ensure that the points staked are
16 within the specified survey accuracy tolerances.

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

22
23 Contract work to be performed using contractor-provided stakes shall not begin until the
24 stakes are approved by the Contracting Agency. Such approval shall not relieve the
25 Contractor of responsibility for the accuracy of the stakes.

26
27 Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are
28 needed that are not described in the Plans, then those stakes shall be marked, at no
29 additional cost to the Contracting Agency as ordered by the Engineer.

30
31 **Payment**

32
33 Payment will be made for the following bid item when included in the proposal:

34
35 "Roadway Surveying", lump sum.

36
37 The lump sum contract price for "Roadway Surveying" shall be full pay for all labor,
38 equipment, materials, and supervision utilized to perform the Work specified, including
39 any resurveying, checking, correction of errors, replacement of missing or damaged
40 stakes, and coordination efforts.

41
42 This section is supplemented with the following:

43
44 **1-05.4 OPT4.GR1**
45 **Contractor Surveying – ADA Features**
46 **(March 9, 2023 WSDOT GSP)**

47
48 **ADA Feature Staking Requirements**

49 The Contractor shall be responsible for setting, maintaining, and resetting all
50 alignment stakes, and grades necessary for the construction of the ADA features.
51 Calculations, surveying, and measuring required for setting and maintaining the
52 necessary lines and grades shall be the Contractor's responsibility. The Contractor

1 shall build the ADA features within the specifications in the Standard Plans and
2 contract documents.

3
4 **ADA Feature Contract Compliance**

5 The Contractor shall be responsible for completing measurements to verify all ADA
6 features comply with the Contract in the presence of the Engineer.

7
8 **ADA Feature As-Built Measurements**

9 The Contractor shall be responsible for providing the latitude and longitude of each
10 ADA feature as indicated on the ADA Inspection Form(s) (WSDOT Form 224-020).

11
12 The completed ADA Inspection Form(s) (WSDOT Form 224-020) shall be submitted
13 as a Type 3 Working Drawing and transmitted to the Engineer within 30 calendar
14 days of completing the ADA feature. After acceptance, the Contracting Agency will
15 submit the final form(s) to the WSDOT ADA Steward.

16
17 **Payment**

18 Payment will be made for the following bid item that is included in the Proposal:

19
20 "ADA Features Surveying", lump sum.

21
22 The lump sum Contract price for "ADA Features Surveying" shall be full pay for all the
23 Work as specified.

24
25 In the instance where an ADA feature does not meet accessibility requirements, all work
26 to replace non-compliant work and then to measure, record the as-built measurements,
27 and transmit the electronic forms to the Engineer shall be completed at no additional
28 cost to the Contracting Agency.

29
30 **1-05.7 Removal of Defective and Unauthorized Work**
31 **(October 1, 2005 APWA GSP)**

32 *Supplement this section with the following:*

33
34 If the Contractor fails to remedy defective or unauthorized work within the time specified
35 in a written notice from the Engineer, or fails to perform any part of the work required by
36 the Contract Documents, the Engineer may correct and remedy such work as may be
37 identified in the written notice, with Contracting Agency forces or by such other means
38 as the Contracting Agency may deem necessary.

39
40 If the Contractor fails to comply with a written order to remedy what the Engineer
41 determines to be an emergency situation, the Engineer may have the defective and
42 unauthorized work corrected immediately, have the rejected work removed and
43 replaced, or have work the Contractor refuses to perform completed by using
44 Contracting Agency or other forces. An emergency situation is any situation when, in the
45 opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause
46 serious risk of loss or damage to the public.

47
48 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and
49 remedying defective or unauthorized work, or work the Contractor failed or refused to
50 perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from
51 monies due, or to become due, the Contractor. Such direct and indirect costs shall
52 include in particular, but without limitation, compensation for additional professional

1 services required, and costs for repair and replacement of work of others destroyed or
2 damaged by correction, removal, or replacement of the Contractor's unauthorized work.

3
4 No adjustment in Contract time or compensation will be allowed because of the delay in
5 the performance of the work attributable to the exercise of the Contracting Agency's
6 rights provided by this Section.

7
8 The rights exercised under the provisions of this section shall not diminish the
9 Contracting Agency's right to pursue any other avenue for additional remedy or
10 damages with respect to the Contractor's failure to perform the work as required.

11 12 **1-05.11 Final Inspection**

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

14 15 **1-05.11 Final Inspections and Operational Testing** 16 **(October 1, 2005 APWA GSP)**

17 18 **1-05.11(1) Substantial Completion Date**

19
20 When the Contractor considers the work to be substantially complete, the Contractor
21 shall so notify the Engineer and request the Engineer establish the Substantial
22 Completion Date. The Contractor's request shall list the specific items of work that
23 remain to be completed in order to reach physical completion. The Engineer will
24 schedule an inspection of the work with the Contractor to determine the status of
25 completion. The Engineer may also establish the Substantial Completion Date
26 unilaterally.

27
28 If, after this inspection, the Engineer concurs with the Contractor that the work is
29 substantially complete and ready for its intended use, the Engineer, by written notice to
30 the Contractor, will set the Substantial Completion Date. If, after this inspection the
31 Engineer does not consider the work substantially complete and ready for its intended
32 use, the Engineer will, by written notice, so notify the Contractor giving the reasons
33 therefore.

34
35 Upon receipt of written notice concurring in or denying substantial completion, whichever
36 is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized
37 interruption, the work necessary to reach Substantial and Physical Completion. The
38 Contractor shall provide the Engineer with a revised schedule indicating when the
39 Contractor expects to reach substantial and physical completion of the work.

40
41 The above process shall be repeated until the Engineer establishes the Substantial
42 Completion Date and the Contractor considers the work physically complete and ready
43 for final inspection.

44 45 **1-05.11(2) Final Inspection and Physical Completion Date**

46
47 When the Contractor considers the work physically complete and ready for final
48 inspection, the Contractor by written notice, shall request the Engineer to schedule a
49 final inspection. The Engineer will set a date for final inspection. The Engineer and the
50 Contractor will then make a final inspection and the Engineer will notify the Contractor in
51 writing of all particulars in which the final inspection reveals the work incomplete or
52 unacceptable. The Contractor shall immediately take such corrective measures as are
53 necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously,

1 diligently, and without interruption until physical completion of the listed deficiencies.
2 This process will continue until the Engineer is satisfied the listed deficiencies have been
3 corrected.

4
5 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the
6 written notice listing the deficiencies, the Engineer may, upon written notice to the
7 Contractor, take whatever steps are necessary to correct those deficiencies pursuant to
8 Section 1-05.7.

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

12
13 Upon correction of all deficiencies, the Engineer will notify the Contractor and the
14 Contracting Agency, in writing, of the date upon which the work was considered
15 physically complete. That date shall constitute the Physical Completion Date of the
16 Contract, but shall not imply acceptance of the work or that all the obligations of the
17 Contractor under the contract have been fulfilled.

18 19 **1-05.11(3) Operational Testing**

20
21 It is the intent of the Contracting Agency to have at the Physical Completion Date a
22 complete and operable system. Therefore when the work involves the installation of
23 machinery or other mechanical equipment; street lighting, electrical distribution or signal
24 systems; irrigation systems; buildings; or other similar work it may be desirable for the
25 Engineer to have the Contractor operate and test the work for a period of time after final
26 inspection but prior to the physical completion date. Whenever items of work are listed in
27 the Contract Provisions for operational testing they shall be fully tested under operating
28 conditions for the time period specified to ensure their acceptability prior to the Physical
29 Completion Date. During and following the test period, the Contractor shall correct any
30 items of workmanship, materials, or equipment which prove faulty, or that are not in first
31 class operating condition. Equipment, electrical controls, meters, or other devices and
32 equipment to be tested during this period shall be tested under the observation of the
33 Engineer, so that the Engineer may determine their suitability for the purpose for which
34 they were installed. The Physical Completion Date cannot be established until testing
35 and corrections have been completed to the satisfaction of the Engineer.

36
37 The costs for power, gas, labor, material, supplies, and everything else needed to
38 successfully complete operational testing, shall be included in the unit Contract prices
39 related to the system being tested, unless specifically set forth otherwise in the proposal.

40
41 Operational and test periods, when required by the Engineer, shall not affect a
42 manufacturer's guaranties or warranties furnished under the terms of the Contract.

43 44 **1-05.13 Superintendents, Labor and Equipment of Contractor** 45 **(August 14, 2013 APWA GSP)**

46
47 *Delete the sixth and seventh paragraphs of this section.*
48
49
50
51
52

1 **1-05.14 Cooperation With Other Contractors**

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

3 *Section 1-05.14 is supplemented with the following:*

4
5 It is anticipated that the following work adjacent to or within the limits of this project will be
6 performed by others during the course of this project and will require coordination of the
7 work:

8
9 Links to Opportunity following the Hilltop Link Extension route (Jon Kulju, 253-591-
10 5204, jkulju@cityoftacoma.org),

11
12 Aspire 11 (between South 10th and South 11th Streets) (Larry Hutchinson, 253-396-
13 8466, larry@devlcorpllc.com)

14
15 **1-05.15 Method of Serving Notices**

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

17 *Revise the second paragraph to read:*

18
19 All correspondence from the Contractor shall be directed to the Project Engineer. All
20 correspondence from the Contractor constituting any notification, notice of protest,
21 notice of dispute, or other correspondence constituting notification required to be
22 furnished under the Contract, must be in paper format, hand delivered or sent via
23 mail delivery service to the Project Engineer's office. Electronic copies such as e-
24 mails or electronically delivered copies of correspondence will not constitute such
25 notice and will not comply with the requirements of the Contract.

26
27 **1-05.16 Water and Power**

28 **(October 1, 2005 APWA GSP)**

29
30 The Contractor shall make necessary arrangements, and shall bear the costs for power
31 and water necessary for the performance of the work, unless the Contract includes
32 power and water as a pay item.

33
34 *Add the following new section:*

35
36 **1-05.18 Record Drawings**

37 **(March 8, 2013 APWA GSP)**

38
39 The Contractor shall maintain one set of full size plans for Record Drawings, updated
40 with clear and accurate red-lined field revisions on a daily basis, and within 2
41 business days after receipt of information that a change in Work has occurred. The
42 Contractor shall not conceal any work until the required information is recorded.

43
44 This Record Drawing set shall be used for this purpose alone, shall be kept separate
45 from other Plan sheets, and shall be clearly marked as Record Drawings. These
46 Record Drawings shall be kept on site at the Contractor's field office, and shall be
47 available for review by the Contracting Agency at all times. The Contractor shall
48 bring the Record Drawings to each progress meeting for review.

49
50 The preparation and upkeep of the Record Drawings is to be the assigned
51 responsibility of a single, experienced, and qualified individual. The quality of the
52 Record Drawings, in terms of accuracy, clarity, and completeness, is to be adequate
53 to allow the Contracting Agency to modify the computer-aided drafting (CAD)

1 Contract Drawings to produce a complete set of Record Drawings for the Contracting
2 Agency without further investigative effort by the Contracting Agency.

3
4 The Record Drawing markups shall document all changes in the Work, both
5 concealed and visible. Items that must be shown on the markups include but are not
6 limited to:

- 7
- 8 • Actual dimensions, arrangement, and materials used when different than
- 9 shown in the Plans.
- 10 • Changes made by Change Order or Field Order.
- 11 • Changes made by the Contractor.
- 12 • Accurate locations of storm sewer, sanitary sewer, water mains and other
- 13 water appurtenances, structures, conduits, light standards, vaults, width of
- 14 roadways, sidewalks, landscaping areas, building footprints, channelization
- 15 and pavement markings, etc. Include pipe invert elevations, top of castings
- 16 (manholes, inlets, etc.).
- 17

18 If the Contract calls for the Contracting Agency to do all surveying and staking, the
19 Contracting Agency will provide the elevations at the tolerances the Contracting
20 Agency requires for the Record Drawings.

21
22 When the Contract calls for the Contractor to do the surveying/staking, the applicable
23 tolerance limits include, but are not limited to the following:

	Vertical	Horizontal
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

25
26 Making Entries on the Record Drawings:

- 27
- 28 • Use erasable colored pencil (not ink) for all markings on the Record Drawings,
- 29 conforming to the following color code:
- 30 • Additions - Red
- 31 • Deletions - Green
- 32 • Comments - Blue
- 33 • Dimensions- Graphite
- 34 • Provide the applicable reference for all entries, such as the change order
- 35 number, the request for information (RFI) number, or the approved shop
- 36 drawing number.
- 37 • Date all entries.
- 38 • Clearly identify all items in the entry with notes similar to those in the Contract
- 39 Drawings (such as pipe symbols, centerline elevations, materials, pipe joint
- 40 abbreviations, etc.).

1
2
3
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9

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 \$1,000.00)	Lump Sum
---	----------

10
11
12
13
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19

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
3 *Section 1-06 is supplemented with the following:*

4
5 **Build America / Buy America**
6 **(June 6, 2023 WSDOT GSP, Option 2A)**

7
8 ***General Requirements***

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

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

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

40
41 ***Definitions***

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

1
2 e. Drywall.

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

- 7
8 2. **Manufactured Product:** A Manufactured product includes any item produced as
9 a result of the manufacturing process. Items that consist of two or more of the
10 listed construction materials that have been combined together through a
11 manufacturing process, and items that include at least one of the listed
12 materials combined with a material that is not listed through a manufacturing
13 process, should be treated as manufactured products, rather than as
14 construction materials.
- 15
16 3. **Manufactured in the United States:** A construction material will be considered
17 as manufactured in the United States if all manufacturing processes have
18 occurred in the United States.
- 19
20 4. **Structural Steel:** Defined as all structural steel products included in the project.
- 21
22 5. **United States:** To further define the coverage, a domestic product is a
23 manufactured steel construction material that was produced in one of the 50
24 states, the District of Columbia, Puerto Rico, or in the territories and
25 possessions of the United States.

26
27 ***Steel and Iron Requirements***

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

32
33 Minor amounts of foreign steel and iron may be utilized in this project provided the
34 cost of the foreign material used does not exceed one-tenth of one percent of the
35 total contract cost or \$2,500.00, whichever is greater.

36
37 American-made material is defined as material having all manufacturing processes
38 occurring domestically.

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

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

1 the original reduction from ore to the finished product constitutes a manufacturing
2 process for iron.

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

7
8 The following are considered to be steel manufacturing processes:

- 9
10 1. Production of steel by any of the following processes:
11 a. Open hearth furnace.
12 b. Basic oxygen.
13 c. Electric furnace.
14 d. Direct reduction.
15
16 2. Rolling, heat treating, and any other similar processing.
17
18 3. Fabrication of the products:
19 a. Spinning wire into cable or strand.
20 b. Corrugating and rolling into culverts.
21 c. Shop fabrication.
22
23
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29

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

36
37 ***Manufactured Products***

38 Due to a nationwide waiver, BABA requirements do not apply to manufactured
39 products. Manufactured products that contain steel and iron, regardless of a
40 nationwide waiver, will follow "Steel and Iron Requirements" of this Specification.

41
42 ***Construction Material Requirements***

43 A Contractor provided certification of materials origin will be required before each
44 progress estimate or payment. The Contractor will not receive payment until the
45 certification is received by the Engineer. The Contractor shall certify that all
46 construction materials installed during the current progress estimate period meets
47 the Build America, Buy America Act. The certification shall be on WSDOT Form
48 350-110 provided by the Engineer, or such other form the Contractor chooses,
49 provided it contains the same information as WSDOT Form 350-110.
50
51

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

2 *(June 27, 2011 APWA GSP)*

3
4 Delete this section in its entirety.

5
6 **1-06.6 Recycled Materials**
7 **(January 4, 2016 APWA GSP)**

8
9 *Delete this section, including its subsections, and replace it with the following:*

10
11 The Contractor shall make their best effort to utilize recycled materials in the
12 construction of the project. Approval of such material use shall be as detailed
13 elsewhere in the Standard Specifications.

14
15 Prior to Physical Completion the Contractor shall report the quantity of recycled
16 materials that were utilized in the construction of the project for each of the items
17 listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete
18 aggregate, recycled glass, steel furnace slag and other recycled materials (e.g.
19 utilization of on-site material and aggregates from concrete returned to the supplier).
20 The Contractor's report shall be provided on DOT form 350-075 Recycled Materials
21 Reporting.

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
8 shall apply.

9
10 The Washington State Department of Labor and Industries shall be the sole and
11 paramount administrative agency responsible for the administration of the provisions of
12 the Washington 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
15 project site, all articles necessary for providing first aid to the injured. The Contractor
16 shall establish, publish, and make known to all employees, procedures for ensuring
17 immediate removal to a hospital, or doctor's care, persons, including employees, who
18 may have been injured on the project site. Employees should not be permitted to work
19 on the project site before the Contractor has established and made known procedures
20 for removal of injured persons to a hospital or a doctor's care.

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

31
32 **1-07.2 State Taxes**

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

35
36 **1-07.2 State Tax**
37 **(June 27, 2011 APWA GSP)**

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

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

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

1 Revenue, whether the amount owed relates to this contract or not. Any amount so
2 deducted will be paid into the proper State fund.

3
4 **1-07.2(1) State Sales Tax — Rule 171**

5
6 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,
7 roads, etc., which are owned by a municipal corporation, or political subdivision of the
8 state, or by the United States, and which are used primarily for foot or vehicular traffic.
9 This includes storm or combined sewer systems within and included as a part of the
10 street or road drainage system and power lines when such are part of the roadway
11 lighting system. For work performed in such cases, the Contractor shall include
12 Washington State Retail Sales Taxes in the various unit bid item prices, or other contract
13 amounts, including those that the Contractor pays on the purchase of the materials,
14 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
20 limited to, the construction of streets, roads, highways, etc., owned by the state of
21 Washington; water mains and their appurtenances; sanitary sewers and sewage
22 disposal systems unless such sewers and disposal systems are within, and a part of, a
23 street or road drainage system; telephone, telegraph, electrical power distribution lines,
24 or other conduits or lines in or above streets or roads, unless such power lines become a
25 part of a street or road lighting system; and installing or attaching of any article of
26 tangible personal property in or to real property, whether or not such personal property
27 becomes a part of the realty by virtue of installation.

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

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

39
40 **1-07.2(3) Services**

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

45
46 **1-07.9(1) Wages**
47 **(January 9, 2023 WSDOT GSP, Option 1)**

48
49 *Section 1-07.9(1) is supplemented with the following:*

50
51 The Federal wage rates incorporated in this contract have been established by the
52 Secretary of Labor under United States Department of Labor General Decision No.
53 WA20230001.

1
2 The State rates incorporated in this contract are applicable to all construction
3 activities associated with this contract
4

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

8 This section is revised to read as follows:
9

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

15 **1-07.11 Requirements for Nondiscrimination**
16 **(October 3, 2022 WSDOT GSP, Option 1, GR1)**
17

18 *Section 1-07.11 is supplemented with the following:*
19

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

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

29 Women - Statewide

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

30
31
32 Minorities - by Standard Metropolitan Statistical Area (SMSA)

Spokane, WA:

SMSA Counties:

Spokane, WA WA 2.8
Spokane.

Non-SMSA Counties 3.0

WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA
Lincoln, WA Pend Oreille; WA Stevens; WA Whitman.

33 Richland, WA
34
35

36 SMSA Counties:

37 Richland Kennewick, WA 5.4

38 WA Benton; WA Franklin.
39

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

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

25
26 The Contractor's compliance with the Executive Order and the regulations in 41
27 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity
28 Clause, specific affirmative action obligations required by the specifications set forth
29 in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and
30 female employment and training must be substantially uniform throughout the length
31 of the contract, in each construction craft and in each trade, and the Contractor shall
32 make a good faith effort to employ minorities and women evenly on each of its
33 projects. The transfer of minority or female employees or trainees from Contractor
34 to Contractor or from project to project for the sole purpose of meeting the
35 Contractor's goal shall be a violation of the contract, the Executive Order and the

1 regulations in 41 CFR Part 60-4. Compliance with the goals will be measured
2 against the total work hours performed.

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

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

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

23 Standard Federal Equal Employment Opportunity Construction Contract Specifications
24 (Executive Order 11246)

- 25 1. As used in these specifications:

- 26 a. Covered Area means the geographical area described in the solicitation
27 from which this contract resulted;
- 28 b. Director means Director, Office of Federal Contract Compliance Programs,
29 United States Department of Labor, or any person to whom the Director
30 delegates authority;
- 31 c. Employer Identification Number means the Federal Social Security number
32 used on the Employer's Quarterly Federal Tax Return, U. S. Treasury
33 Department Form 941;
- 34 d. Minority includes:
- 35 (1) Black, a person having origins in any of the Black Racial Groups of
36 Africa.
- 37 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of
38 Mexican, Puerto Rican, Cuban, Central American, South
39 American, or other Spanish origin.
- 40 (3) Asian or Pacific Islander, a person having origins in any of the
41 original peoples of the Pacific rim or the Pacific Islands, the
42 Hawaiian Islands and Samoa.

1 (4) American Indian or Alaskan Native, a person having origins in any
2 of the original peoples of North America, and who maintain cultural
3 identification through tribal affiliation or community recognition.

4 2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of
5 the work involving any construction trade, it shall physically include in each
6 subcontract in excess of \$10,000 the provisions of these specifications and the Notice
7 which contains the applicable goals for minority and female participation and which is
8 set forth in the solicitations from which this contract resulted.

9 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan
10 approved by the U.S. Department of Labor in the covered area either individually or
11 through an association, its affirmative action obligations on all work in the Plan area
12 (including goals and timetables) shall be in accordance with that Plan for those trades
13 which have unions participating in the Plan. Contractors must be able to demonstrate
14 their participation in and compliance with the provisions of any such Hometown Plan.
15 Each Contractor or subcontractor participating in an approved Plan is individually
16 required to comply with its obligations under the EEO clause, and to make a good
17 faith effort to achieve each goal under the Plan in each trade in which it has
18 employees. The overall good faith performance by other Contractors or
19 subcontractors toward a goal in an approved Plan does not excuse any covered
20 Contractor's or subcontractor's failure to take good faith effort to achieve the Plan
21 goals and timetables.

22 4. The Contractor shall implement the specific affirmative action standards provided in
23 paragraphs 7a through 7p of this Special Provision. The goals set forth in the
24 solicitation from which this contract resulted are expressed as percentages of the total
25 hours of employment and training of minority and female utilization the Contractor
26 should reasonably be able to achieve in each construction trade in which it has
27 employees in the covered area. Covered construction contractors performing
28 construction work in geographical areas where they do not have a Federal or federally
29 assisted construction contract shall apply the minority and female goals established
30 for the geographical area where the work is being performed. The Contractor is
31 expected to make substantially uniform progress in meeting its goals in each craft
32 during the period specified.

33 5. Neither the provisions of any collective bargaining agreement, nor the failure by a
34 union with whom the Contractor has a collective bargaining agreement, to refer either
35 minorities or women shall excuse the Contractor's obligations under these
36 specifications, Executive Order 11246, or the regulations promulgated pursuant
37 thereto.

38 6. In order for the nonworking training hours of apprentices and trainees to be counted
39 in meeting the goals, such apprentices and trainees must be employed by the
40 Contractor during the training period, and the Contractor must have made a
41 commitment to employ the apprentices and trainees at the completion of their training,
42 subject to the availability of employment opportunities. Trainees must be trained
43 pursuant to training programs approved by the U.S. Department of Labor.

44 7. The Contractor shall take specific affirmative actions to ensure equal employment
45 opportunity. The evaluation of the Contractor's compliance with these specifications
46 shall be based upon its effort to achieve maximum results from its action. The

1 Contractor shall document these efforts fully, and shall implement affirmative action
2 steps at least as extensive as the following:

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

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

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

44

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

20 Washington State Dept. of Transportation
21 Office of Equal Opportunity
22 PO Box 47314
23 310 Maple Park Ave. SE
24 Olympia WA
25 98504-7314
26 Ph: 360-705-7090 Fax:
27 360-705-6801
28 <http://www.wsdot.wa.gov/equalopportunity/default.htm>
29
30

31 **1-07.11 Requirements for Nondiscrimination**
32 *(October 1, 2020 APWA GSP, Option B)*

33
34 Supplement this section with the following:

35
36 **Disadvantaged Business Enterprise Participation**

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

43
44 **DBE Abbreviations and Definitions**

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

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

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

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

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

Force Account Work – Work measured and paid in accordance with Section 1-09.6.

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

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

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

1 **Regular Dealer (DBE)** – A DBE firm that owns, operates, or maintains a store,
2 warehouse, or other establishment in which the materials or supplies
3 required for the performance of a Contract are bought, kept in stock, and
4 regularly sold to the public in the usual course of business. To be a
5 Regular Dealer, the DBE firm must be an established regular business
6 that engages in as its principal business and in its own name the
7 purchase and sale of the products in question. A Regular Dealer in such
8 items as steel, cement, gravel, stone, and petroleum products need not
9 own, operate or maintain a place of business if it both owns and operates
10 distribution equipment for the products. Any supplementing of regular
11 dealers' own distribution equipment shall be by long-term formal lease
12 agreements and not on an ad-hoc basis. Brokers, packagers,
13 manufacturers' representatives, or other persons who arrange or expedite
14 transactions shall not be regarded as Regular Dealers within the meaning
15 of this definition.

16
17 **DBE Commitment** – The scope of work and dollar amount the Bidder
18 indicates they will be subcontracting to be applied towards the DBE
19 Condition of Award Goal as shown on the DBE Utilization Certification
20 Form for each DBE subcontractor. This DBE Commitment will be
21 incorporated into the Contract and shall be considered a Contract
22 requirement. The Contractor shall utilize the COA DBEs to perform the
23 work and supply the materials for which they are committed. Any changes
24 to the DBE Commitment require the Engineer's prior written approval.

25
26 **DBE Condition of Award (COA) Goal** – An assigned numerical amount
27 specified as a percentage of the Contract. Initially, this is the minimum
28 amount that the Bidder must commit to by submission of the Utilization
29 Certification Form and/or by Good Faith Effort (GFE).

30 31 **DBE COA Goal**

32 The Contracting Agency has established a DBE COA Goal for this
33 Contract in the amount of: **16 Percent**

34 35 **Crediting DBE Participation**

36 Subcontractors proposed as COA must be certified prior to the due date for bids
37 on the Contract. All non-COA DBE subcontractors shall be certified before the
38 subcontract on which they are participating is executed.

39 DBE participation is only credited upon payment to the DBE.

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

41 42 43 **DBE Prime Contractor**

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

47 48 **DBE Subcontractor**

49 Only take credit for that portion of the total dollar value of the subcontract that is
50 equal to the distinct, clearly defined portion of the Work that the DBE performs
51 with its own forces and is certified to perform. The value of work performed by
52 the DBE includes the cost of supplies and materials purchased by the DBE and
53

1 equipment leased by the DBE, for its work on the contract. Supplies, materials
2 or equipment obtained by a DBE that are not utilized or incorporated in the
3 contract work by the DBE will not be eligible for DBE credit.
4

5 The supplies, materials, and equipment purchased or leased from the
6 Contractor or its affiliate, including any Contractor's resources available to DBE
7 subcontractors at no cost, shall not be credited.
8

9 DBE credit will not be given in instances where the equipment lease includes
10 the operator. The DBE is expected to operate the equipment used in the
11 performance of its work under the contract with its own forces. Situations where
12 equipment is leased and used by the DBE, but payment is deducted from the
13 Contractor's payment to the DBE is not allowed.
14

15 When the subcontractor is part of a DBE Commitment, the following apply:
16

17 1. If a DBE subcontracts a portion of the Work of its contract to another
18 firm, the value of the subcontracted Work may be counted toward the
19 DBE COA Goal only if the lower-tier subcontractor is also a DBE.
20

21 2. Work subcontracted to a lower-tier subcontractor that is a DBE may be
22 counted toward the DBE COA Goal only if the lower-tier subcontractor
23 self performs a minimum of 30 percent of the Work subcontracted to
24 them.
25

26 3. Work subcontracted to a non-DBE does not count towards the DBE
27 COA Goal.
28

29 **DBE Subcontract and Lower Tier Subcontract Documents**

30 There must be a subcontract agreement that complies with 49 CFR Part 26 and
31 fully describes the distinct elements of Work committed to be performed by the
32 DBE.
33

34 **DBE Service Provider**

35 The value of fees or commissions charged by a DBE firm behaving in a manner
36 of a Broker, or another service provider for providing a bona fide service, such
37 as professional, technical, consultant, managerial services, or for providing
38 bonds or insurance specifically required for the performance of the contract will
39 only be credited as DBE participation, if the fee/commission is determined by
40 the Contracting Agency to be reasonable and the firm has performed a CUF.
41

42 **Force Account Work**

43 When the Bidder elects to utilize force account Work to meet the DBE COA Goal,
44 as demonstrated by listing this force account Work on the DBE Utilization
45 Certification Form, for the purposes of meeting DBE COA Goal, only 50% of the
46 Proposal amount shall be credited toward the Bidder's Commitment to meet the
47 DBE COA Goal.
48

49 One hundred percent of the actual amounts paid to the DBE for the force
50 account Work shall be credited towards the DBE COA Goal or DBE participation.
51

1 **Temporary Traffic Control**

2 If the DBE firm only provides “Flagging”, the DBE firm must provide a Traffic
3 Control Supervisor (TCS) and flagger, which are under the direct control of the
4 DBE. The DBE firm shall also provide all flagging equipment for it’s employees
5 (e.g. paddles, hard hats, and vests).
6

7 If the DBE firm provides “Traffic Control Services”, the DBE firm must provide a
8 TCS, flaggers, and traffic control items (e.g., cones, barrels, signs, etc.) and be
9 in total control of all items in implementing the traffic control for the project.
10

11 **Trucking**

12 DBE trucking firm participation may only be credited as DBE participation for the
13 value of the hauling services, not for the materials being hauled unless the
14 trucking firm is also certified as a supplier of those materials. In situations where
15 the DBE’s work is priced per ton, the value of the hauling service must be
16 calculated separately from the value of the materials in order to determine DBE
17 credit for hauling
18

19 The DBE trucking firm must own and operate at least one licensed, insured and
20 operational truck on the contract. The truck must be of the type that is necessary
21 to perform the hauling duties required under the contract. The DBE receives
22 credit for the value of the transportation services it provides on the Contract
23 using trucks it owns or leases, licenses, insures, and operates with drivers it
24 employs.
25

26 The DBE may lease additional trucks from another DBE firm. The DBE who
27 leases additional trucks from another DBE firm receives credit for the value of
28 the transportation services the lessee DBE provides on the Contract.
29

30 The trucking Work subcontracted to any non-DBE trucking firm will not receive
31 credit for Work done on the project.
32

33 The DBE may lease trucks from a truck leasing company (recognized truck
34 rental center) but can only receive credit towards DBE participation if the DBE
35 uses its own employees as drivers.
36

37 **DBE Manufacturer and DBE Regular Dealer**

38 One hundred percent (100%) of the cost of the manufactured product obtained
39 from a DBE manufacturer may count towards the DBE COA Goal.
40

41 Sixty percent (60%) of the cost of materials or supplies purchased from a DBE
42 Regular Dealer may be credited toward the DBE Goal. If the role of the DBE
43 Regular Dealer is determined to be that of a Broker, then DBE credit shall be
44 limited to the fee or commission it receives for its services. Regular Dealer
45 status and the amount of credit is determined on a Contract-by-Contract basis.
46

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

1
2 Purchase of materials or supplies from a DBE which is neither a manufacturer
3 nor a regular dealer, (i.e. Broker) only the fees or commissions charged for
4 assistance in the procurement of the materials and supplies, or fees or
5 transportation charges for the delivery of materials or supplies required on the
6 job site, may toward the DBE COA Goal provided the fees are not excessive as
7 compared with fees customarily allowed for similar services. Documentation will
8 be required to support the fee/commission charged by the DBE. The cost of the
9 materials and supplies themselves cannot be counted toward the DBE Goal.

10
11 Note: Requests to be listed as a Regular Dealer will only be processed if
12 the requesting firm is a material supplier certified by the Office of
13 Minority and Women's Business Enterprises in a NAICS code that
14 falls within the 42XXXX NAICS Wholesale code section.
15

16 **Disadvantaged Business Enterprise Utilization**

17 To be eligible for award of the Contract, the Bidder shall properly complete and
18 submit a Disadvantaged Business Enterprise (DBE) Utilization Certification with
19 the Bidder's sealed Bid Proposal, as specified in Section 1-02.9 Delivery of
20 Proposal. The Bidder's DBE Utilization Certification must clearly demonstrate
21 how the Bidder intends to meet the DBE COA Goal. A DBE Utilization
22 Certification (WSDOT Form 272-056) is included in the Proposal package for this
23 purpose as well as instructions on how to properly fill out the form.
24

25 The Bidder is advised that the items listed below when listed in the Utilization
26 Certification must have their amounts reduced to the percentages shown and
27 those reduced amounts will be the amount applied towards meeting the DBE
28 COA Goal.
29

- 30 • Force account at 50%
- 31 • Regular dealer at 60%
- 32

33 In the event of arithmetic errors in completing the DBE Utilization Certification,
34 the amount listed to be applied towards the DBE COA Goal for each DBE shall
35 govern and the DBE total amount shall be adjusted accordingly.
36

37 Note: The Contracting Agency shall consider as non-responsive and shall
38 reject any Bid Proposal submitted that does not contain a DBE
39 Utilization Certification Form that accurately demonstrates how the
40 Bidder intends to meet the DBE COA Goal.
41

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

43 The Bidder shall submit a Disadvantaged Business Enterprise (DBE) Written
44 Confirmation Document (completed and signed by the DBE) for each DBE firm
45 listed in the Bidder's completed DBE Utilization Certification submitted with the
46 Bid. Failure to do so will result in the associated participation being disallowed,
47 which may cause the Bid to be determined to be nonresponsive resulting in Bid
48 rejection.
49

50 The Confirmation Documents provide confirmation from the DBEs that they are
51 participating in the Contract as provided in the Bidder's Commitment. The
52 Confirmation Documents must be consistent with the Utilization Certification.
53

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

3
4 The form(s) shall be received as specified in the special provisions for Section 1-
5 02.9 Delivery of Proposal.

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

12
13 **Selection of Successful Bidder/Good Faith Efforts (GFE)**

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

20
21 Achieving the DBE COA Goal may be accomplished in one of two ways:

22
23 1. By meeting the DBE COA Goal

24 Submission of the DBE Utilization Certification, supporting DBE
25 Written Confirmation Document(s) showing the Bidder has
26 obtained enough DBE participation to meet or exceed the DBE
27 COA Goal, the DBE Bid Item Breakdown and the DBE Trucking
28 Credit Form, if applicable.

29
30 2. By documentation that the Bidder made adequate GFE to meet
31 the DBE COA Goal

32 The Bidder may demonstrate a GFE in whole or part through GFE
33 documentation ONLY IN THE EVENT a Bidder's efforts to solicit
34 sufficient DBE participation have been unsuccessful. The Bidder
35 must supply GFE documentation in addition to the DBE Utilization
36 Certification, supporting DBE Written Confirmation Document(s),
37 the DBE Bid Item Breakdown form
38 and the DBE Trucking Credit Form, if applicable.

39
40 Note: In the case where a Bidder is awarded the contract based on
41 demonstrating adequate GFE, the advertised DBE COA Goal will not
42 be reduced. The Bidder shall demonstrate a GFE during the life of the
43 Contract to attain the advertised DBE COA Goal.

44
45 GFE documentation, the DBE Bid Item Breakdown form, and the DBE Trucking
46 Credit Form, if applicable, shall be submitted as specified in Section 1-02.9.

47
48 The Contracting Agency will review the GFE documentation and will determine if
49 the Bidder made an adequate good faith effort.

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

2 GFE is evaluated when:

- 3
- 4 1. Determining award of a Contract that has COA goal,
 - 5
 - 6 2. When a COA DBE is terminated and substitution is required, and
 - 7
 - 8 3. Prior to Physical Completion when determining whether the Contractor
 - 9 has satisfied its DBE commitments.

10

11 49 CFR Part 26, Appendix A is intended as general guidance and does not, in

12 itself, demonstrate adequate good faith efforts. The following is a list of types of

13 actions, which would be considered as part of the Bidder's GFE to achieve DBE

14 participation. It is not intended to be a mandatory checklist, nor is it intended to

15 be exclusive or exhaustive. Other factors or types of efforts may be relevant in

16 appropriate cases.

17

- 18 1. Soliciting through all reasonable and available means (e.g. attendance at
- 19 pre-bid meetings, advertising and/or written notices) the interest of all
- 20 certified DBEs who have the capability to perform the Work of the Contract.
- 21 The Bidder must solicit this interest within sufficient time to allow the DBEs
- 22 to respond to the solicitation. The Bidder must determine with certainty if
- 23 the DBEs are interested by taking appropriate steps to follow up initial
- 24 solicitations.

25

- 26 2. Selecting portions of the Work to be performed by DBEs in order to increase
- 27 the likelihood that the DBE COA Goal will be achieved. This includes, where
- 28 appropriate, breaking out contract Work items into economically feasible
- 29 units to facilitate DBE participation, even when the Bidder might otherwise
- 30 prefer to perform these Work items with its own forces.

31

- 32 3. Providing interested DBEs with adequate information about the Plans,
- 33 Specifications, and requirements of the Contract in a timely manner to
- 34 assist them in responding to a solicitation.

35

- 36 a. Negotiating in good faith with interested DBEs. It is the Bidder's
- 37 responsibility to make a portion of the Work available to DBE
- 38 subcontractors and suppliers and to select those portions of the Work
- 39 or material needs consistent with the available DBE subcontractors
- 40 and suppliers, so as to facilitate DBE participation. Evidence of such
- 41 negotiation includes the names, addresses, and telephone numbers
- 42 of DBEs that were considered; a description of the information
- 43 provided regarding the Plans and Specifications for the Work selected
- 44 for subcontracting; and evidence as to why additional agreements
- 45 could not be reached for DBEs to perform the Work.

46

- 47 b. A Bidder using good business judgment would consider a number of
- 48 factors in negotiating with subcontractors, including DBE
- 49 subcontractors, and would take a firm's price and capabilities as well
- 50 as the DBE COA Goal into consideration. However, the fact that there
- 51 may be some additional costs involved in finding and using DBEs is
- 52 not in itself sufficient reason for a Bidder's failure to meet the DBE
- 53 COA Goal, as long as such costs are reasonable. Also, the ability or

1 desire of a Bidder to perform the Work of a Contract with its own
2 organization does not relieve the Bidder of the responsibility to make
3 Good Faith Efforts. Bidders are not, however, required to accept
4 higher quotes from DBEs if the price difference is excessive or
5 unreasonable.
6

7 4. Not rejecting DBEs as being unqualified without sound reasons based on a
8 thorough investigation of their capabilities. The Bidder's standing within its
9 industry, membership in specific groups, organizations, or associations and
10 political or social affiliations (for example union vs. non-union employee
11 status) are not legitimate causes for the rejection or non-solicitation of bids
12 in the Bidder's efforts to meet the DBE COA Goal.
13

14 5. Making efforts to assist interested DBEs in obtaining bonding, lines of credit,
15 or insurance as required by the recipient or Bidder.
16

17 6. Making efforts to assist interested DBEs in obtaining necessary equipment,
18 supplies, materials, or related assistance or services.
19

20 7. Effectively using the services of available minority/women community
21 organizations; minority/women contractors' groups; local, State, and
22 Federal minority/women business assistance offices; and other
23 organizations as allowed on a case-by-case basis to provide assistance in
24 the recruitment and placement of DBEs.
25

26 8. Documentation of GFE must include copies of each DBE and non-DBE
27 subcontractor quotes submitted to the Bidder when a non-DBE
28 subcontractor is selected over a DBE for Work on the Contract. (ref.
29 updated DBE regulations – 26.53(b)(2)(vi) & App. A)
30

31 **Administrative Reconsideration of GFE Documentation**

32 A Bidder has the right to request reconsideration if the GFE documentation
33 submitted with their Bid was determined to be inadequate.
34

- 35 • The Bidder must request within 48 hours of notification of being
36 nonresponsive or forfeit the right to reconsideration.
- 37 • The reconsideration decision on the adequacy of the Bidder's GFE
38 documentation shall be made by an official who did not take part in the
39 original determination.
- 40 • Only original GFE documentation submitted as a supplement to the Bid
41 shall be considered. The Bidder shall not introduce new documentation
42 at the reconsideration hearing.
- 43 • The Bidder shall have the opportunity to meet in person with the official
44 for the purpose of setting forth the Bidder's position as to why the GFE
45 documentation demonstrates a sufficient effort.
- 46 • The Bidder shall have the opportunity to meet in person with the official
47 for the purpose of setting forth the Bidder's position as to why the GFE
48 documentation demonstrates a sufficient effort.
- 49 • The Bidder shall have the opportunity to meet in person with the official
50 for the purpose of setting forth the Bidder's position as to why the GFE
51 documentation demonstrates a sufficient effort.
- 52 • The reconsideration official shall provide the Bidder with a written
53 decision on reconsideration within five working days of the hearing
54 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-
3 054) as specified in the Special Provisions for Section 1-02.9, Delivery of
4 Proposal.

5
6 **DBE Trucking Credit Form** The Bidder shall submit a DBE Trucking Credit
7 Form (WSDOT Form 272-058), as specified in the Special Provisions for Section
8 1-02.9, Delivery of Proposal.

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

18
19 **Procedures between Award and Execution**

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

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

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

31
32 **Procedures after Execution**

33 **Commercially Useful Function (CUF)**

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

1 The DBE does not perform a CUF if its role is limited to that of an extra
2 participant in a transaction, contract, or project through which the funds are
3 passed in order 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
15 contract. The owner demonstrates business related knowledge,
16 shows up on site and is determined to be actively running the
17 business.
- 18 • The DBE itself shall own and operate at least one fully licensed,
19 insured, and operational truck used on the Contract. The drivers of
20 the trucks owned and leased by the DBE must be exclusively
21 employed by the DBE and reflected on the DBE's payroll.
- 22 • Lease agreements for trucks shall indicate that the DBE has
23 exclusive use of and control over the truck(s). This does not preclude
24 the leased truck from working for others provided it is with the
25 consent of the DBE and the lease provides the DBE absolute priority
26 for use of the leased truck.
- 27 • Leased trucks shall display the name and identification number of the
28 DBE.
29
- 30 • Leased trucks shall display the name and identification number of the
31 DBE.
32

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

34 In addition to the subcontracting requirements of Section 1-08.1, each DBE
35 trucking firm shall submit supplemental information consisting of a completed
36 Primary UDBE/DBE/FSBE Truck Unit Listing Log (WSDOT Form 350-077) and
37 all Rental/Lease agreements (if applicable). The supplemental information shall
38 be submitted in an electronic format to the Engineer prior to any trucking
39 services being performed for DBE credit. Incomplete or incorrect supplemental
40 information will be returned for correction. The corrected Primary Truck Unit
41 Listing Log and any Updated Primary Truck Unit Listing Logs shall be submitted
42 and accepted by the Engineer no later than ten calendar days of utilizing
43 applicable trucks. Failure to submit or update the DBE Truck Unit Listing Log
44 may result in trucks not being 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
49 to the Engineer by Friday of the week after the work was performed.
50

51 **Joint Checking**

52 A joint check is a check between a subcontractor and the Contractor to the
53 supplier of materials/supplies. The check is issued by the Contractor as payer

1 to the subcontractor and the material supplier jointly for items to be incorporated
2 into the project. The DBE must release the check to the supplier, while the
3 Contractor acts solely as the guarantor.
4

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

10
11 The approval to use joint checks and the use will be closely monitored by the
12 Engineer. To receive DBE credit for performing a CUF with respect to obtaining
13 materials and supplies, a DBE must “be responsible for negotiating price,
14 determining quality and quantity, ordering the material, installing and paying for
15 the material itself.” The Contractor shall submit DBE Joint Check Request Form
16 to the Engineer and be in receipt of written approval prior to using a joint check.
17

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

23 **Prompt Payment**

24 Prompt payment to all subcontractors shall be in accordance with Section 1-
25 08.1. Prompt payment requirements apply to progress payments as well as
26 return of retainage.
27

28 **Subcontracts**

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

34 Olympic Region – ORegionOEO@wsdot.wa.gov
35

36 **Reporting**

37 The Contractor and all subcontractors/suppliers/service providers that utilize
38 DBEs to perform work on the project, shall maintain appropriate records that will
39 enable the Engineer to verify DBE participation throughout the life of the project.
40

41 Refer to Section 1-08.1 for additional reporting requirements associated with this
42 contract.
43

44 **Changes in COA Work Committed to DBE**

45 The Contractor shall utilize the COA DBEs to perform the work and supply the
46 materials for which each is committed unless prior written approval by the
47 Engineer has been received by the Contractor. The Contractor shall not be
48 entitled to any payment for work or material completed by the Contractor or
49 subcontractors that was committed to be completed by the COA DBEs in the
50 DBE Utilization Certification form.
51
52
53

1 **Owner Initiated Changes**

2 In instances where the Engineer makes changes that result in changes to Work
3 that was committed to a COA DBE, the Contractor may be directed to substitute
4 for the Work.

5
6 **Contractor Initiated Changes**

7 The Contractor cannot change the scope or reduce the amount of work
8 committed to a COA DBE without good cause. Reducing DBE Commitment is
9 viewed as partial DBE termination, and therefore subject to the termination
10 procedures below.

11
12 **Original Quantity Underruns**

13 In the event that Work committed to a DBE firm as part of the COA underruns
14 the original planned quantities the Contractor may be required to substitute other
15 remaining Work to another DBE Contractor Proposed DBE Substitutions
16 Requests to substitute a COA DBE must be for good cause (see DBE
17 termination process below), and requires prior written approval of the Engineer.
18 After receiving a termination with good cause approval, the Contractor may only
19 replace a DBE with another certified DBE. When any changes between
20 Contract Award and Execution result in a substitution of COA DBE, the substitute
21 DBE shall be certified prior to the bid opening on the Contract.

22
23 **DBE Termination**

24 Termination of a COA DBE (or an approved substitute DBE) is only allowed in
25 whole or in part for good cause and with prior written approval of the Engineer.
26 If the Contractor terminates a COA DBE without the prior written approval of the
27 Engineer, the Contractor shall not be entitled to payment for work or material
28 committed to, but not performed/supplied by the COA DBE. In addition,
29 sanctions may apply as described elsewhere in this specification.

30
31 Prior to requesting approval to terminate a COA DBE, the Contractor shall give
32 notice in writing to the DBE with a copy to the Engineer of its intent to request to
33 terminate DBE Work and the reasons for doing so. The DBE shall have five (5)
34 days to respond to the Contractor's notice. The DBE's response shall either
35 support the termination or advise the Engineer and the Contractor of the reasons
36 it objects to the termination of its subcontract.

37
38 If the request for termination is approved, the Contractor is required to substitute
39 with another DBE to perform at least the same amount of work as the DBE that
40 was terminated (or provide documentation of GFE). A plan to replace the COA
41 DBE Commitment amount shall be submitted to the Engineer within 2 days of
42 the approval of termination. The plan to replace the Commitment shall provide
43 the same detail as that required in the DBE Utilization Certification.

44
45 The Contractor must have good cause to terminate a COA DBE.

46
47 Good cause typically includes situations where the DBE subcontractor is unable
48 or unwilling to perform the work of its subcontract. Good cause may exist if:

- 49
50
- The DBE fails or refuses to execute a written contract.
 - The DBE fails or refuses to perform the Work of its subcontract in a way consistent with normal industry standards.
- 51
52
53

- The DBE fails or refuses to meet the Contractor’s reasonable nondiscriminatory bond requirements.
- The DBE becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The DBE is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to federal law or applicable State law.
- The DBE is ineligible to receive DBE credit for the type of work involved.
- The DBE voluntarily withdraws from the project and provides written notice of its withdrawal.
- The DBE’s work is deemed unsatisfactory by the Engineer and not in compliance with the Contract.
- The DBE’s owner dies or becomes disabled with the result that the DBE is unable to complete its Work on the Contract.
Good cause does not exist if:
 - The Contractor seeks to terminate a COA DBE so that the Contractor can self-perform the Work.
 - The Contractor seeks to terminate a COA DBE so the Contractor can substitute another DBE contractor or non-DBE contractor after Contract Award.
 - The failure or refusal of the COA DBE to perform its Work on the subcontract results from the bad faith or discriminatory action of the Contractor (e.g., the failure of the Contractor to make timely payments or the unnecessary placing of obstacles in the path of the DBE’s Work).

Decertification

When a DBE is “decertified” from the DBE program during the course of the Contract, the participation of that DBE shall continue to count as DBE participation as long as the subcontract with the DBE was executed prior to the decertification notice. The Contractor is obligated to substitute when a DBE does not have an executed subcontract agreement at the time of decertification.

Consequences of Non-Compliance

Breach of Contract

Each contract with a Contractor (and each subcontract the Contractor signs with a subcontractor) must include the following assurance clause:

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

1 to carry out these requirements is a material breach of this Contract, which may
2 result in the termination of this Contract or such other remedy as the recipient
3 deems appropriate, which may include, but is not limited to:

- 4
5 (1) Withholding monthly progress payments;
6
7 (2) Assessing sanctions;
8
9 (3) Liquidated damages; and/or
10
11 (4) Disqualifying the Contractor from future bidding as non-responsible.
12

13 **Notice**

14 If the Contractor or any subcontractor, Consultant, Regular Dealer, or service
15 provider is deemed to be in non-compliance, the Contractor will be informed in
16 writing, by certified mail by the Engineer that sanctions will be imposed for failure
17 to meet the UDBE COA Commitment and/or submit documentation of good faith
18 efforts. The notice will state the specific sanctions to be imposed which may
19 include impacting a Contractor or other entity's ability to participate in future
20 contracts.
21

22 **Sanctions**

23 If it is determined that the Contractor's failure to meet all or part of the DBE COA
24 Commitment is due to the Contractor's inadequate good faith efforts throughout
25 the life of the Contract, including failure to submit timely, required Good Faith
26 Efforts information and documentation, the Contractor may be required to pay
27 DBE penalty equal to the amount of the unmet Commitment, in addition to the
28 sanctions outlined in Section 1-07.11(5).
29

30 **Payment**

31 Compensation for all costs involved with complying with the conditions of this
32 Specification and any other associated DBE requirements is included in payment
33 for the associated Contract items of Work, except otherwise provided in the
34 Specifications.
35

36 **1-07.11 Special Training Provisions**
37 **(November 2, 2022 WSDOT GSP, Option 4, FR1)**
38

39 **General Requirements**

40 The Contractor's equal employment opportunity, affirmative action program shall
41 include the requirements set forth below. The Contractor shall provide on-the-
42 job training aimed at developing trainees to journey-level status in the trades
43 involved. The number of training hours shall be **800**. Trainees shall not be
44 assigned less than 400 hours per individual per Contract. The Contractor may
45 elect to accomplish training as part of the work of a subcontractor, however, the
46 Prime Contractor shall retain the responsibility for complying with these Special
47 Provisions (achieving the training goal). When the Contractor's training plan
48 includes trainees for Subcontractors or lower-tier Subcontractors, this special
49 provision shall be included in the subcontract.
50

51 **Trainee Approval**

52 The Contractor shall make every effort to employ/enroll minority and women
53 trainees to the extent such persons are available within a reasonable recruitment

1 area. This training provision is not intended and shall not be used to discriminate
2 against any applicant for training, whether that person is a minority, woman or
3 otherwise. A non-minority male trainee or apprentice may be approved provided
4 the following requirements are met:
5

- 6 1. The Contractor is otherwise in compliance with the contract's Equal
7 Employment Opportunity (EEO) and On-the-Job Training (OJT)
8 requirements and provides documentation of the efforts taken to fill
9 the specific training position with either minorities or females
10
- 11 2. or, if not otherwise in compliance, furnishes evidence of his/her
12 systematic and direct recruitment efforts in regard to the position in
13 question and in promoting the enrollment and/or employment of
14 minorities and females in the craft which the proposed trainee is to be
15 trained
16
- 17 3. and the Contractor has made a good faith effort towards recruiting of
18 minorities and women. As a minimum good faith efforts shall consist
19 of the following:
20
 - 21 a. Distribution of written notices of available employment
22 opportunities with the Contractor and enrollment opportunities
23 with its unions. Distribution should include but not be limited to;
24 minority and female recruitment sources, WSDOT's OJT Support
25 Services Coordinator, and minority and female community
26 organizations.
27
 - 28 b. Records documenting the Contractor's efforts and the outcome of
29 those efforts, to employ minority and female applicants and/or
30 refer them to unions.
31
 - 32 c. Records reflecting the Contractor's efforts in participating in
33 developing minority and female on-the-job training opportunities,
34 including upgrading programs and apprenticeship opportunities.
35
 - 36 d. Distribution of written notices to unions and training programs
37 disseminating the Contractor's EEO policy and requesting
38 cooperation in achieving EEO and OJT obligations (and their
39 written responses). For assistance in locating trainee candidates,
40 the Contractor may call WSDOT's OJT Support Services
41 Coordinator at (360) 705-7090 or email ojtssinfo@wsdot.wa.gov.
42

43 No employee shall be employed as a trainee in any classification in which the
44 employee has successfully completed a training course leading to journey-level
45 worker status or in which the employee has been employed as a journey-level
46 worker. The Contractor's records shall document the methods for determining
47 the trainee's status and findings in each case. When feasible, 25 percent of
48 apprentices or trainees in each occupation shall be in their first year of
49 apprenticeship or training.
50
51
52

1 For the purpose of this specification, acceptable training programs are those
2 employing trainees/apprentices registered with the following:
3

- 4 1. Washington State Department of Labor & Industries — State
5 Apprenticeship Training Council (SATC) approved apprenticeship
6 agreement:
 - 7
 - 8 a. Pursuant to RCW 49.04.060, an apprenticeship agreement
9 shall be;
 - 10
 - 11 i. an individual written agreement between an
12 employer and apprentice
 - 13 ii. a written agreement between (an employer or an
14 association of employers) and an organization of
15 employees describing conditions of employment for
16 apprentices
 - 17 iii. a written statement describing conditions of
18 employment for apprentices in a plant where there
19 is no bona fide employee organization.

20
21 All such agreements shall conform to the basic standards and other
22 provisions of RCW Chapter 49.04.
23

- 24 2. Apprentices must be registered with U.S. Department of Labor —
25 Apprenticeship Training, Employer, and Labor Services (ATELS)
26 approved program.

27
28 Or
29

- 30 3. Non-ATELS/SATC programs that have been submitted to the
31 Contracting Agency for approval by the FHWA for the specific project.
32

33 **Obligation to Provide Information**

34 Upon starting a new trainee, the Contractor shall furnish the trainee a copy of the
35 approved program the Contractor will follow in providing the training. Upon
36 completion of the training, the Contractor shall provide the Contracting Agency
37 with a certification showing the type and length of training satisfactorily
38 completed by each trainee.
39

40 **Training Program Approval**

41 The Training Program shall meet the following requirements:
42

- 43 1. The Training Program (DOT Form 272-049) must be submitted to
44 the Engineer for approval prior to commencing contract work and
45 shall be resubmitted when modifications to the program occur.
46
- 47 2. The minimum length and type of training for each classification will
48 be as established in the training program as approved by the
49 Contracting Agency.
50
- 51 3. The Training Program shall contain the trades proposed for
52 training, the number of trainees, the hours assigned to the trade
53 and the estimated beginning work date for each trainee.

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4. Unless otherwise specified, Training Programs will be approved if the proposed number of training hours equals the training hours required by contract and the trainees are not assigned less than 400 hours each.
5. After approval of the training program, information concerning each individual trainee and good faith effort documentation shall be submitted (on DOT Form 272-050).
6. Flagging programs will not be approved. Other programs that include flagging training will only be approved if the flagging portion is limited to an orientation of not more than 20 hours.
7. It is the intention of these provisions that training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower-level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Some off-site training is permissible as long as the training is an integral part of an approved training program.
8. It is normally expected that a trainee will begin training on the project as soon as feasible after start of work, utilizing the skill involved and remain on the project as long as training opportunities exist in the work classification or the trainee reaches journey-level status. It is not required that all trainees be on board for the entire length of the contract. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.
9. Wage Progressions: Trainees will be paid at least the applicable ratios or wage progressions shown in the apprenticeship standards published by the Washington State Department of Labor and Industries. In the event that no training program has been established by the Department of Labor and Industries, the trainee shall be paid in accordance with the provisions of RCW 39.12.021, which reads as follows:

Apprentice workers employed upon public works projects for whom an apprenticeship agreement has been registered and approved with the State Apprenticeship Council pursuant to RCW 49.04, must be paid at least the prevailing hourly rate for an apprentice of that trade. Any worker for whom an apprenticeship agreement has not been registered and approved by the State Apprenticeship Council shall be considered to be a fully qualified journey-level worker, and, therefore, shall be paid at the prevailing hourly rate for journey-level worker.

1 **Compliance**

2 In the event that the Contractor is unable to accomplish the required training
3 hours but can demonstrate a good faith effort to meet the requirements as
4 specified, then the Contracting Agency will adjust the training goals accordingly.
5

6 **Noncompliance and Sanctions**

7 When a contractor violates EEO provisions of the contract, the Contracting
8 Agency may impose damages in accordance with WSDOT's Equal Opportunity
9 Compliance Program and the FHWA 1273. These damages consist of additional
10 administrative costs including, but not limited to, the inspection, supervision,
11 engineering, compliance, and legal staff time and expenses necessary for
12 investigating, reporting, and correcting violations, as well as loss of federal
13 funding, if any. Damages attributable to a contractor's violations of the EEO
14 provisions may be deducted from progress payments due the Contractor. Before
15 any money is withheld, the Contractor will be provided with a notice of the basis
16 of the violations, the amount to be withheld and provided an opportunity to
17 respond. The monetary value of the sanction will be calculated on a case-by-
18 case basis and based on the damages incurred by the Contracting Agency.
19

20 The Contracting Agency's decision to recover damages for an EEO violation
21 does not limit its ability to suspend or revoke the contractor's pre-qualification
22 status or seek other remedies as allowed by federal or state law. In appropriate
23 circumstances, the Contracting Agency may also refer the Contractor to other
24 state or federal authorities for additional sanctions.
25

26 **Requirements for Non ATELS/SATC Approved Training Programs**

27 Contractors who are not affiliated with a program approved by ATELS or SATC
28 may have their training program approved (by FHWA) provided that the program
29 is submitted for approval on DOT Form 272-049, and the following standards are
30 addressed and incorporated in the Contractor's program:
31

- 32 1. The program establishes minimum qualifications for persons entering
33 the training program.
- 34 2. The program shall outline the work processes in which the trainee will
35 receive supervised work experience and training on-the-job and the
36 allocation of the approximate time to be spent in each major process.
37 The program shall include the method for recording and reporting the
38 training completed shall be stated.
- 39 3. The program shall include a numeric ratio of trainees to journey-level
40 worker consistent with proper supervision, training, safety, and
41 continuity of employment. The ratio language shall be specific and
42 clear as to application in terms of job site and workforce during normal
43 operations (normally considered to fall between 1:10 and 1:4).
- 44 4. The terms of training shall be stated in hours. The number of hours
45 required for completion to journey-level worker status shall be
46 comparable to the apprenticeship hours established for that craft by
47 the SATC. The following are examples of programs that are currently
48 approved:
49 50 51 52 53

1	CRAFT	HOURS
2	Laborer	4,000
3	Ironworker	6,000
4	Carpenter	5,200-8,000
5	Construction Electrician	8,000
6	Operating Engineer	6,000-8,000
7	Cement Mason	5,400
8	Teamster	2,100

- 9
- 10 5. The method to be used for recording and reporting the training
- 11 completed shall be stated.

12

13 **Measurement**

14 The Contractor may request that the total number of “training” hours for the

15 contract be increased subject to approval by the Contracting Agency. This

16 reimbursement will be made even though the Contractor receives additional

17 training program funds from other sources, provided such other sources do not

18 prohibit other reimbursement. Reimbursement to the Contractor for off-site

19 training as indicated previously may only be made when the Contractor does one

20 or more of the following and the trainees are concurrently employed on a

21 Federal-aid project:

- 22
- 23 1. contributes to the cost of the training,
- 24
- 25 2. provides the instruction to the trainee,
- 26
- 27 3. pays the trainee’s wages during the off- site training period.

28

29 Reimbursement will be made upon receipt of a certified invoice that shows the

30 related payroll number, the name of trainee, total hours trained under the

31 program, previously paid hours under the contract, hours due this estimate, and

32 dollar amount due this estimate. The certified invoice shall show a statement

33 indicating the Contractor’s effort to enroll minorities and women when a new

34 enrollment occurs. If a trainee is participating in a SATC/ATELS approved

35 apprenticeship program, a copy of the certificate showing apprenticeship

36 registration must accompany the first invoice on which the individual appears.

37 Reimbursement for training occurring prior to approval of the training program

38 will be allowed if the Contractor verbally notifies the Engineer of this occurrence

39 at the time the apprentice/trainee commences work. A trainee/apprentice,

40 regardless of craft, must have worked on the contract for at least 20 hours to be

41 eligible for reimbursement.

42

43 Training hours that are not in compliance with the approved training plan will not

44 be measured.

45

46 **Payment**

47 The Contractor will be reimbursed under the item “Training” per hour for each

48 hour of approved training provided under the Contract.

49

50 **1-07.12 Federal Agency Inspection**

51 **(October 3, 2023) WSDOT GSP, Option 1, GR1)**

52

53 Section 1-07.12 is supplemented with the following:

1
2 **Required Federal Aid Provisions**
3

4 The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273)
5 Revised October 23, 2023 and the amendments thereto supersede any conflicting
6 provisions of the Standard Specifications and are made a part of this Contract;
7 provided, however, that if any of the provisions of FHWA 1273, as amended, are less
8 restrictive than Washington State Law, then the Washington State Law shall prevail.
9

10 The provisions of FHWA 1273, as amended, included in this Contract require that the
11 Contractor insert the FHWA 1273 and amendments thereto in each subcontract,
12 together with the wage rates which are part of the FHWA 1273, as amended. Also, a
13 clause shall be included in each subcontract requiring the subcontractors to insert
14 the FHWA 1273 and amendments thereto in any lower tier subcontracts, together
15 with the wage rates. The Contractor shall also ensure that this section, REQUIRED
16 FEDERAL AID PROVISIONS, is inserted in each subcontract for subcontractors and
17 lower tier subcontractors. For this purpose, upon request to the Engineer, the
18 Contractor will be provided with extra copies of the FHWA 1273, the amendments
19 thereto, the applicable wage rates, and this Special Provision.
20

21 **1-07.17 Utilities and Similar Facilities**

22 *(April 2, 2007, WSDOT GSP, Option 1, FR1)*

23 Section 1-07.17 is supplemented with the following:
24

25 Locations and dimensions shown in the Plans for existing facilities are in accordance
26 with available information obtained without uncovering, measuring, or other verification.
27

28 The following addresses and telephone numbers of utility companies known or
29 suspected of having facilities within the project limits are supplied for the Contractor's
30 convenience:
31

- 32 • City of Tacoma Light Division, Contact: Kevin Kelley, phone: (253) 502-8229
- 33 • City of Tacoma Water Division, Contact: Kimberly Baard, phone: (253) 396-3317
- 34 • City of Tacoma Traffic Division, Signal/Streetlight Shop, phone: (253) 591-5287
- 35 • Rainier Connect, Contact: Brian Munson, phone: (253) 312-2819;
36 Brian.Munson@Rainierconnect.net
- 37 • Puget Sound Energy, Contact: Mike Klapperich, Electric, phone: (253) 313-3790;
38 michael.klapperich@pse.com OR Amber Uhls, Gas, phone: (253) 476-6137;
39 amber.uhls@pse.com
- 40 • Lumen, Contact: Al (Aliyah) Skaro, relocations@lumen.com
- 41 • Terra Tech LLC, Contact: Chris Janoski, phone: (303) 552-8545;
42 chrisjanoski@terratechllc.net
- 43 • Comcast, Contact: Todd Gallant, phone: (253) 878-4955,
44 todd_gallant@cable.comcast.com
- 45 • AT&T/Siena Engineering Group, Contact: Louie Van Hollebeke, phone: (425)
46 896-9850; louie.vanhollebeke@sienaengineeringgroup.com OR Steve
47 Duppenhaler, phone: (425) 286-3822; sd1891@att.com OR Roberta Anderson,
48 phone: (425) 896-9839; roberta.anderson@sienaengineeringgroup.com
- 49 • Level 3 Communications, Level3NetworkRelocations@Level3.com
- 50 • One-Number Locator Service "One Call System" telephone **1-800-424-5555**
- 51 • Verizon, Contact: David Lacombe, phone: (206) 305-5366
- 52 • MCI Metro Utility, Contact: Brad Landis, phone: (425) 229-3123

- 1 • T-Mobile, Contact: Steven Schauer, Phone: (360) 402-7725;
2 sschauer@cogentco.com
- 3 • Zayo Communications, Contact: Phil Braum, phil.braum@zayo.com ;
4 zayo.relo.washington@zayo.com

6 **1-07.18 Public Liability and Property Damage Insurance**

8 **1-07.18(1) Insurance Provider Requirements** 9 **(March 9, 2023 WSDOT GSP, Option 1, GR1)**

10 *Section 1-07.18(1) is supplemented with the following*

11
12 Under no circumstances shall a wrap up policy be obtained, for either initiating or
13 maintaining coverage, to satisfy insurance requirements for any policy required under
14 this section. A wrap up policy is defined as an insurance agreement or arrangement
15 under which all the parties working on a specified or designated project are insured
16 under one policy for liability arising out of that specified or designated project.

18 **1-07.18(5).OPT6.FR1 Required Insurance Policies** 19 **(October 3, 2022 WSDOT GSP, Option 6)**

20
21 The Contractor shall obtain Contractor's Pollution Liability Insurance (CPL) with
22 minimum "per project" limits of not less than One Million Dollars (\$1,000,000) per
23 occurrence and Two Million Dollars (\$2,000,000) in the aggregate for claims, including
24 investigation, defense, or settlement costs and expenses for bodily injury and property
25 damage (including natural resources damages and loss of use of tangible property that
26 has not been physically injured) arising out of:

- 27
28 a. Pollution conditions caused or made worse by the Contractor's performance of
29 the Work, including clean-up costs for a newly caused condition or a historical
30 condition that is made worse; and;
- 31 b. The vicarious liability of subcontractors of any tier.

32
33 The Contractor shall be Named Insured and the Contracting Agency, the State, the
34 Governor, the Commission, the Secretary, the Department, all officers and employees of
35 the State, and their respective members, directors, officers, employees, agents, and
36 consultants (collectively the "Additional Insureds") shall be included as Additional
37 Insureds, or, as appropriate, a Named Insured, under this policy and coverage.

39 **1-07.23 Public Convenience and Safety**

41 **1-07.23(1) Construction Under Traffic** 42 **(May 2, 2017 APWA GSP)**

43
44 *Revise the third sentence of the second paragraph to read:*

45
46 Accessibility to existing or temporary pedestrian push buttons shall not be impaired; if
47 approved by the Contracting Agency activating pedestrian recall timing or other
48 accommodation may be allowed during construction.

50 **1-07.23(1) Lane Closure Restrictions** 51 **(February 6, 2023 WSDOT GSP, Option 5)**

52 Lane, ramp, shoulder, and roadway closures are subject to the following restrictions:

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South J Street

- Full closure of South J Street for any work or combination of work is not permitted at any time.
- Alternating one-way traffic will be allowed between 9 am and 4 pm.
- The contractor shall reopen the street at the conclusion of each workday.
- Work occurring at night, a Uniformed Police Officer will be required to provide security for the work crew.

North J Street

- Full closure of North J Street for any work or combination of work is not permitted at any time.
- Alternating one-way traffic will be allowed between 9 am and 4 pm.

Intersections (in addition to the restrictions/allowances described above, the following must also be adhered to/integrated into the work and traffic control plans):

- South J Street intersections with South 4th Street, South 5th Street, South 7th Street, South 8th Street, South 10th Street, Earnest S Brazill Street, South 13th Street, South 14th Street, South 15th Street, South 16th Street, South 17th Street, South 18th Street, South 20th Street, South 21st Street, South 23rd Street, South 25th Street, and South 27th Street: Alternating one-way traffic will be allowed through the intersection, provided that a 10-foot clear width lane is provided and appropriate-for-the-conditions channelized delineation through the work zone when work is occurring. Alternating one-way traffic queues shall not back up to and block adjacent intersections. Contractor shall reopen the street and all parking areas at the conclusion of each workday.
- South J Street intersections with Division Ave, 6th Avenue, South 9th Street, South 11th Street, and South 19th Street: Maintain two-lane, two-way traffic (eastbound/westbound) on 6th Avenue in separate lanes of no less than 10-foot clear width and appropriate-for-the-conditions channelized delineation through the work zone where work is occurring. Except for placement of pavement marking materials, then alternating one-way traffic through the intersection may occur between 9 am and 4 pm. Alternating one-way traffic queues shall not back up to and block adjacent intersections. Contractor shall reopen the street and all parking areas at the conclusion of each workday.
- Closure of the South J Street and South 9th Street intersection for paving will not be allowed between 6 am - 9 am or 12 pm - 6 pm.
- Closure of the South J Street and South 11th Street intersection for paving will not be allowed between 7 am - 9 am or 12 pm - 6 pm.
- Closure of the South J Street and South 15th Street intersection for paving will not be allowed between 7 am - 9 am or 2 pm - 6 pm. Alternating one-way traffic must be maintained on South 15th Street and traffic queues shall not back up to and block adjacent intersections.
- Closure of the South J Street and South 19th Street intersection for paving will not be allowed between 6 am - 7 pm. One lane of travel in each direction must be maintained on South 19th Street.
- All signalized intersections must be controlled by a Uniformed Police Officer, when a flagging operation is occurring.

Contractor shall not be allowed to impact more than one arterial/arterial intersection at any given time and shall only occupy a work zone commensurate with the activities planned for the workday.

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All arterial-involved closures or traffic revisions shall be accompanied by advance notification (minimum 7 days) to City departments, other agencies (including Pierce Transit), and affected businesses; advance notice (by a minimum of 5 days) to the traveling public via PCMS; and a signed detour utilizing pre-approved arterial roadways.

Contractor must provide proper advance notice to the appropriate City of Tacoma Public Works Department as identified in the City of Tacoma Traffic Control Handbook prior to any traffic revisions.

A safe pedestrian access shall be provided at all times through the project area. All lane closures shall be coordinated with the adjacent businesses, other contractors working within the project vicinity, local transit agencies and the City. The Contractor shall stage work to maintain access to and egress from all properties at all times.

Emergency traffic, such as police, fire, and disaster units, shall be provided access at all times. In addition, the Contractor shall coordinate Contractor activities with all disposal firms and transit bus service that may be operating in the project area.

Division Avenue, 6th Avenue, South 9th Street, South 11th Street, Earnest S Brazill Street, South 15th Street, South 19th Street, South 25th Street and along portions of South J Street are used by Pierce Transit. To minimize the disruption to access to adjacent properties, and to Pierce Transit operations, the lane closure area shall be limited to that area of active work and necessary for appropriate lane closure tapers.

Division Avenue and Martin Luther King Way is used by Sound Transit T Line (Light Rail). To minimize the disruption to access to adjacent properties, and to Sound Transit operations, the lane closure area shall be limited to that area of active work and necessary for appropriate lane closure tapers.

Even if adjacent roadway vehicle traffic is restricted to alternating one-way traffic, there shall be at least one parallel pedestrian route (equivalent accessibility—either present or temporarily provided—to the pre-existing conditions) that is available to traverse along the restricted roadway and to cross the roadway under construction at a minimum of one unmarked/marked intersection crosswalk when work is at/near any given intersection. If any pedestrian route cannot be maintained, then a signed pedestrian detour route must be established and approved by the City.

Any demolition, or closure of pedestrian accessibility, at a given corner of an intersection must be limited to that given corner, with the remaining three corners at the intersection (at a minimum) being used to facilitate a pedestrian detour, until full accessibility or an accessible connection with at least one other corner can be re-established. Any temporary pedestrian access path/route that may be employed to satisfy this requirement shall provide equivalent to, or better, accessibility than the unavailable path/route in accordance with the Americans with Disabilities Act and the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

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53

All trench sections within paved roadways shall be restored with Temporary Pavement Patch. The Temporary Pavement Patch shall be conducted concurrently with construction work occurring. All steel plates used to cover open trenches within the roadway where traffic will be crossing or driving over the steel plates shall be properly secured/pinned and have advance signing notification of the roadway conditions. All steel plates shall be non-skid and will not be allowed to remain in place during non-working days.

Where, in the opinion of the Engineer, parking is a hazard to through traffic or to the construction work, parking may be restricted either entirely or during the time when it creates a hazard. Signs for restricting parking shall be approved by the City and placed by the Contractor at least 72 hours in advance of the start of the parking restriction. The Contractor shall be responsible for and shall maintain all such signs. The replacement of signs restricting parking shall be as approved by the Engineer.

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

Lane, ramp, shoulder, and roadway closures are not allowed on any of the 15 following:

1. A holiday,
2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.
3. After 12:00PM on the day prior to a holiday or holiday weekend, and
4. Before 8:00AM on the day after the holiday or holiday weekend.
5. The two-hour period prior to and the two-hour period after the following special events: No special events noted.

It shall be the Contractor's responsibility to obtain the dates and times of all events.

Traffic Delays

When Automated Flagger Assistance Devices (AFADs) or flaggers are used to control traffic, traffic shall not be stopped for more than three (3) minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than three (3) minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the three (3) minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the three (3) minute limit. This proposal shall be accepted by the Engineer prior to resuming any work requiring traffic control.

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

1
2 **General Restrictions**

3 Construction vehicles using a closed traffic lane shall travel only in the normal direction of
4 traffic flow unless expressly allowed in an accepted traffic control plan. Construction
5 vehicles shall be equipped with flashing or rotating amber lights.
6

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

10
11 Roads or ramps that are designated as part of a detour shall not be closed or restricted
12 during the implementation of that detour, unless specifically shown in the Plans.
13

14 **Controlled Access**

15 No special access or egress shall be allowed by the Contractor other than normal legal
16 movements or as shown in the Plans.
17

18 Contractor's vehicles of 10,000 GVW or greater shall not exit or enter a lane open to public
19 traffic except as follows:
20

21 Egress and ingress shall only occur during the hours of allowable lane closures,
22 and:
23

- 24 1. For exiting an open lane of traffic, by decelerating in a lane that is
25 closed during the allowable hours for lane closures.
26
- 27 2. For entering an open lane of traffic, by accelerating in a closed lane
28 during the allowable hours for lane closures.
29

30 Traffic control vehicles are excluded from the gross vehicle weight requirement. If placing
31 construction signs will restrict traveled lanes, then the work will be permitted during the
32 hours of allowable lane closures.
33

34 **Advance Notification**

35 The Contractor shall notify the Engineer in writing of any traffic impacts related to lane
36 closure, shoulder closure, sidewalk closure, or any combination for the week by 12:00
37 p.m. (noon) Wednesday the week prior to the stated impacts.
38

39 The Contractor shall notify the Engineer in writing ten working days in advance of any
40 traffic impacts related to full roadway closure, ramp closure, or both.
41

42 The Contractor shall notify the Engineer in writing of any changes to the stated traffic
43 impacts a minimum of 48 hours prior to the traffic impacts.
44

45 **1-07.23(2) Construction and Maintenance of Detours**
46 **(December 6, 2023 Tacoma GSP)**

47 *This section is supplemented with the following:*
48

49 Detour signing during any allowed road closures shall be in accordance with Detour
50 Plans, when included in the Contract Documents. If the Contractor desires to change
51 detours shown in the plans, the Contractor shall submit plans for detours in accordance
52 with the "Manual on Uniform Traffic Control Devices (MUTCD)". In addition, where the
53 Contractor believes an alternate plan will safely and adequately maintain vehicular and

1 pedestrian traffic, the Contractor may submit alternate plans to those for traffic control
2 and detours required by MUTCD or contract documents. Such alternate plans must
3 comply with the MUTCD and shall be in writing and submitted to the Engineer at least
4 fifteen (15) days in advance of their intended use. In general, detouring of arterial traffic
5 must be accomplished on streets designated as City Arterials. Detouring of arterial
6 traffic on non-arterial streets will not be allowed. The acceptance of any alternate plan
7 shall be entirely at the discretion of the Engineer and the Contractor shall have no claim
8 by reason of a plan being rejected or modified, nor shall there be any additional payment
9 by reason of using a substitute plan.

10
11 The Contractor shall notify the Engineer ten (10) working days in advance of
12 implementation of any street closures/detours allowed under the Contract. Advance
13 notice signing shall be placed a minimum of seven (7) calendar days prior to
14 implementation of any street closure/detour.

15
16 A minimum of seven (7) calendar days prior to any street closure, the Contractor shall
17 notify all entities below:

18		
19	Tacoma Fire Dept.	(253-591-5775)
20	Tacoma Police Dept.	(253-591-5932)
21	LESA Communications Center	(253-798-4721 - Opt.#2)
22	Tacoma Public Schools Transportation Office	(253-571-1853)
23	Pierce Transit	(253-377-5027)
24	Tacoma Environmental Services Solid Waste	(253-591-5544)
25	Tacoma Public Works Engineering Division	(253-591-5500)
26	Tacoma Public Works Streets and Grounds	(253-591-5495)
27		

28 **1-07.24 Rights of Way**
29 **(July 23, 2015 APWA GSP)**

30
31 *Delete this section and replace it with the following:*

32
33 Street Right of Way lines, limits of easements, and limits of construction permits are
34 indicated in the Plans. The Contractor's construction activities shall be confined within
35 these limits, unless arrangements for use of private property are made.

36
37 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of
38 way and easements, both permanent and temporary, necessary for carrying out the
39 work. Exceptions to this are noted in the Bid Documents or will be brought to the
40 Contractor's attention by a duly issued Addendum.

41
42 Whenever any of the work is accomplished on or through property other than public
43 Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any
44 easement agreement obtained by the Contracting Agency from the owner of the private
45 property. Copies of the easement agreements may be included in the Contract
46 Provisions or made available to the Contractor as soon as practical after they have been
47 obtained by the Engineer.

48
49 Whenever easements or rights of entry have not been acquired prior to advertising,
50 these areas are so noted in the Plans. The Contractor shall not proceed with any portion
51 of the work in areas where right of way, easements or rights of entry have not been
52 acquired until the Engineer certifies to the Contractor that the right of way or easement is
53 available or that the right of entry has been received. If the Contractor is delayed due to

1 acts of omission on the part of the Contracting Agency in obtaining easements, rights of
2 entry or right of way, the Contractor will be entitled to an extension of time. The
3 Contractor agrees that such delay shall not be a breach of contract.

4
5 Each property owner shall be given 48 hours notice prior to entry by the Contractor.
6 This includes entry onto easements and private property where private improvements
7 must be adjusted.

8
9 The Contractor shall be responsible for providing, without expense or liability to the
10 Contracting Agency, any additional land and access thereto that the Contractor may
11 desire for temporary construction facilities, storage of materials, or other Contractor
12 needs. However, before using any private property, whether adjoining the work or not,
13 the Contractor shall file with the Engineer a written permission of the private property
14 owner, and, upon vacating the premises, a written release from the property owner of
15 each property disturbed or otherwise interfered with by reasons of construction pursued
16 under this contract. The statement shall be signed by the private property owner, or
17 proper authority acting for the owner of the private property affected, stating that
18 permission has been granted to use the property and all necessary permits have been
19 obtained or, in the case of a release, that the restoration of the property has been
20 satisfactorily accomplished. The statement shall include the parcel number, address,
21 and date of signature. Written releases must be filed with the Engineer before the
22 Completion Date will be established.

23
24 **1-07.28.GR1 Railroads**

25 Section 1-07.28 is supplemented with the following:

26 **(October 3, 2022 WSDOT GSP, Option 1, FR1)**

27 **Additional Requirements for Working with the Railroad**

28 The term Railroad Company shall be understood to mean each of the following railroad
29 companies:

30
31 Sound Transit Link Light Rail

32
33 The Contractor shall keep the right of way and ditches of the Railroad Company open
34 and clean from any deposits or debris resulting from its operations. The Contractor shall
35 be responsible for the cost to clean and restore ballast of the Railroad Company which is
36 disturbed or becomes fouled with dirt or materials when such deposits or damage result
37 from the Contractor's operations, except as provided elsewhere.

38
39 The Contractor shall cooperate with the Railroad Company and so conduct operations
40 that the necessary reconstruction of its facilities and the removal of existing facilities can
41 be accomplished without interruption of service.

1 **1-08 PROSECUTION AND PROGRESS**

2
3 *Add the following new section:*

4 **1-08.0 Preliminary Matters**
5 **(May 25, 2006 APWA GSP)**

6
7 **1-08.0(1) Preconstruction Conference**
8 **(October 10, 2008 APWA GSP)**

9
10 Prior to the Contractor beginning the work, a preconstruction conference will be held
11 between the Contractor, the Engineer and such other interested parties as may be
12 invited. The purpose of the preconstruction conference will be:

- 13 1. To review the initial progress schedule;
- 14 2. To establish a working understanding among the various parties associated or
15 affected by the work;
- 16 3. To establish and review procedures for progress payment, notifications,
17 approvals, submittals, etc.;
- 18 4. To establish normal working hours for the work;
- 19 5. To review safety standards and traffic control; and
- 20 6. To discuss such other related items as may be pertinent to the work.

21
22 The Contractor shall prepare and submit at the preconstruction conference the following:

- 23 1. A breakdown of all lump sum items;
- 24 2. A preliminary schedule of working drawing submittals; and
- 25 3. A list of material sources for approval if applicable.

26
27 *Add the following new section:*

28 **1-08.0(2) Hours of Work**
29 **(December 8, 2014 APWA GSP)**

30
31 Except in the case of emergency or unless otherwise approved by the Engineer, the
32 normal working hours for the Contract shall be any consecutive 8-hour period between
33 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the
34 Contractor desires different than the normal working hours stated above, the request
35 must be submitted in writing prior to the preconstruction conference, subject to the
36 provisions below. The working hours for the Contract shall be established at or prior to
37 the preconstruction conference.

38
39 All working hours and days are also subject to local permit and ordinance conditions
40 (such as noise ordinances).

41
42 If the Contractor wishes to deviate from the established working hours, the Contractor
43 shall submit a written request to the Engineer for consideration. This request shall state
44 what hours are being requested, and why. Requests shall be submitted for review no
45 later than 10 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
48 certain other conditions, which will be detailed in writing. For example:

- 49 1. On non-Federal aid projects, requiring the Contractor to reimburse the
50 Contracting Agency for the costs in excess of straight-time costs for Contracting
51 Agency representatives who worked during such times. (The Engineer may
52 require designated representatives to be present during the work.
53 Representatives who may be deemed necessary by the Engineer include, but

- 1 are not limited to: survey crews; personnel from the Contracting Agency's
2 material testing lab; inspectors; and other Contracting Agency employees or third
3 party consultants when, in the opinion of the Engineer, such work necessitates
4 their presence.)
- 5 2. Considering the work performed on Saturdays, Sundays, and holidays as
6 working days with regard to the contract time.
 - 7 3. Considering multiple work shifts as multiple working days with respect to contract
8 time even though the multiple shifts occur in a single 24-hour period.
 - 9 4. If a 4-10 work schedule is requested and approved the non working day for the
10 week will be charged as a working day.
 - 11 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met
12 and recorded properly on certified payroll

13
14 **1-08.1 Subcontracting**
15 **(December 30, 2022 APWA GSP, Option A)**

16
17 Section 1-08.1 is supplemented with the following:
18

19 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor
20 shall submit to the Engineer a certification (WSDOT Form 420-004) that a written
21 agreement between the Contractor and the subcontractor or between the
22 subcontractor and any lower tier subcontractor has been executed. This certification
23 shall also guarantee that these subcontract agreements include all the documents
24 required by the Special Provision Federal Agency Inspection.

25
26 A subcontractor or lower tier subcontractor will not be permitted to perform any work
27 under the contract until the following documents have been completed and submitted
28 to the Engineer:

- 29
30 1. Request to Sublet Work (WSDOT Form 421-012), and
- 31
32 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for
33 Federal-aid Projects (WSDOT Form 420-004).

34
35 The Contractor shall submit to the Engineer a completed Monthly Retainage Report
36 (WSDOT Form 272-065) within 15 calendar days after receipt of every monthly
37 progress payment until every subcontractor and lower tier subcontractor's retainage
38 has been released.

39
40 The Contractor's records pertaining to the requirements of this Special Provision
41 shall be open to inspection or audit by representatives of the Contracting Agency
42 during the life of the contract and for a period of not less than three years after the
43 date of acceptance of the contract. The Contractor shall retain these records for that
44 period. The Contractor shall also guarantee that these records of all subcontractors
45 and lower tier subcontractors shall be available and open to similar inspection or
46 audit for the same time period.

47
48
49

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
6 the preconstruction conference, or some other mutually agreed upon submittal time.
7 The schedule may be a critical path method (CPM) schedule, bar chart, or other
8 standard schedule format. Regardless of which format used, the schedule shall
9 identify the critical path. The Engineer will evaluate the Type A Progress Schedule
10 and approve or return the schedule for corrections within 15 calendar days of
11 receiving the submittal.

12
13 **1-08.4 Prosecution of Work**

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

15
16 **1-08.4 Notice to Proceed and Prosecution of Work**
17 **(July 23, 2015 APWA GSP)**

18
19 Notice to Proceed will be given after the contract has been executed and the contract
20 bond and evidence of insurance have been approved and filed by the Contracting
21 Agency. The Contractor shall not commence with the work until the Notice to
22 Proceed has been given by the Engineer. The Contractor shall commence
23 construction activities on the project site within ten days of the Notice to Proceed
24 Date, unless otherwise approved in writing. The Contractor shall diligently pursue
25 the work to the physical completion date within the time specified in the contract.
26 Voluntary shutdown or slowing of operations by the Contractor shall not relieve the
27 Contractor of the responsibility to complete the work within the time(s) specified in
28 the contract.

29
30 When shown in the Plans, the first order of work shall be the installation of high
31 visibility fencing to delineate all areas for protection or restoration, as described in
32 the Contract. Installation of high visibility fencing adjacent to the roadway shall occur
33 after the placement of all necessary signs and traffic control devices in accordance
34 with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the
35 Engineer to inspect the fence. No other work shall be performed on the site until the
36 Contracting Agency has accepted the installation of high visibility fencing, as
37 described in the Contract.

38
39 **1-08.5 Time for Completion**
40 **(December 30, 2022 APWA GSP, Option A)**

41
42 *Revise the third and fourth paragraphs to read:*

43
44 Contract time shall begin on the first working day following the Notice to Proceed
45 Date.

46
47 Each working day shall be charged to the contract as it occurs, until the contract
48 work is physically complete. If substantial completion has been granted and all the
49 authorized working days have been used, charging of working days will cease. Each
50 week the Engineer will provide the Contractor a statement that shows the number of
51 working days: (1) charged to the contract the week before; (2) specified for the
52 physical completion of the contract; and (3) remaining for the physical completion of
53 the contract. The statement will also show the nonworking days and all partial or

1 whole days the Engineer declares as unworkable The statement will be identified as
2 a Written Determination by the Engineer. If the Contractor does not agree with the
3 Written Determination of working days, the Contractor shall pursue the protest
4 procedures in accordance with Section 1-04.5. By failing to follow the procedures of
5 Section 1-04.5, the Contractor shall be deemed as having accepted the statement as
6 correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-
7 10 schedule) and the fifth day of the week in which a 4-10 shift is worked would
8 ordinarily be charged as a working day then the fifth day of that week will be charged
9 as a working day whether or not the Contractor works on that day.

10
11 Revise the sixth paragraph to read:

12
13 The Engineer will give the Contractor written notice of the completion date of the
14 contract after all the Contractor's obligations under the contract have been performed
15 by the Contractor. The following events must occur before the Completion Date can
16 be established:

- 17 1. The physical work on the project must be complete; and
- 18 2. The Contractor must furnish all documentation required by the contract and
19 required by law, to allow the Contracting Agency to process final acceptance of
20 the contract. The following documents must be received by the Project Engineer
21 prior to establishing a completion date:
 - 22 a. Certified Payrolls (per Section 1-07.9(5)).
 - 23 b. Material Acceptance Certification Documents
 - 24 c. Monthly Reports of Amounts Credited as DBE Participation, as required by
25 the Contract Provisions.
 - 26 d. Final Contract Voucher Certification
 - 27 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor
28 and all Subcontractors
 - 29 f. A copy of the Notice of Termination sent to the Washington State Department
30 of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt
31 of the Notice of Termination by Ecology; and no rejection of the Notice of
32 Termination by Ecology. This requirement will not apply if the Construction
33 Stormwater General Permit is transferred back to the Contracting Agency in
34 accordance with Section 8-01.3(16).
 - 35 g. Property owner releases per Section 1-07.24

36
37 *This section is supplemented with the following:*
38 **(March 13,1995 WSDOT GSP, Option 7 FR 1)**

39
40 This project shall be physically completed within **176** working days.

41
42 **1-08.9 Liquidated Damages**
43 **(March 3, 2021 APWA GSP, Option A)**

44
45 *Replace Section 1-08.9 with the following:*

46
47 Time is of the essence of the Contract. Delays inconvenience the traveling public,
48 obstruct traffic, interfere with and delay commerce, and increase risk to Highway
49 users. Delays also cost taxpayers undue sums of money, adding time needed for
50 administration, engineering, inspection, and supervision.

1 Accordingly, the Contractor agrees:
2

- 3 1. To pay liquidated damages in the amount of \$1,750.00 for each working
4 day beyond the number of working days established for Physical
5 Completion, and
6
- 7 2. To authorize the Engineer to deduct these liquidated damages from any
8 money due or coming due to the Contractor.
9

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

21
22 Liquidated damages will not be assessed for any days for which an extension of time
23 is granted. No deduction or payment of liquidated damages will, in any degree,
24 release the Contractor from further obligations and liabilities to complete the entire
25 Contract.
26
27
28

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
9 provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027,
10 Scaleman's Daily Report, unless the printed ticket contains the same information
11 that is on the Scaleman's Daily Report Form. The scale operator must provide
12 AM and/or PM tare weights for 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
21 weighing contract items of Work.

22
23 **1-09.6 Force Account**
24 **(December 30, 2022 APWA GSP)**

25 Supplement this section with the following:

26
27 The Contracting Agency has estimated and included in the Proposal, dollar amounts
28 for all items to be paid per force account, only to provide a common proposal for
29 Bidders. All such dollar amounts are to become a part of Contractor's total bid.
30 However, the Contracting Agency does not warrant expressly or by implication, that
31 the actual amount of work will correspond with those estimates. Payment will be
32 made on the basis of the amount of work actually authorized by the Engineer.

33
34 **1-09.7 Mobilization**
35 **(December 30, 2022 APWA GSP)**

36
37 Delete this Section and replace it with the following:

38
39 Mobilization consists of preconstruction expenses and the costs of preparatory Work
40 and operations performed by the Contractor typically occurring before 10 percent of
41 the total original amount of an individual Bid Schedule is earned from other Contract
42 items on that Bid Schedule. Items which are not to be included in the item of
43 Mobilization include but are not limited to:

- 44
45 1. Portions of the Work covered by the specific Contract item or incidental Work
46 which is to be included in a Contract item or items.
47 2. Profit, interest on borrowed money, overhead, or management costs.
48 3. Costs incurred for mobilizing equipment for force account Work.

49
50 Based on the lump sum Contract price for "Mobilization", partial payments will be
51 made as follows:
52

- 1 1. When 5 percent of the total original Bid Schedule amount is earned from
2 other Contract items on that original Bid Schedule, excluding amounts paid
3 for materials on hand, 50 percent of the Bid Item for mobilization on that
4 original Bid Schedule, 5 percent of the total of that original Bid Schedule, or 5
5 percent of the total original Contract amount, whichever is the least, will be
6 paid.
- 7 2. When 10 percent of the total original Bid Schedule amount is earned from
8 other Contract items on that original Bid Schedule, excluding amounts paid
9 for materials on hand, 100 percent of the Bid Item for mobilization on that
10 original Bid Schedule, 10 percent of the total of that original Bid Schedule, or
11 10 percent of the total original Contract amount, whichever is the least, will be
12 paid.
- 13 3. When the Substantial Completion Date has been established for the project,
14 payment of any remaining amount Bid for mobilization will be paid.

15
16 Nothing herein shall be construed to limit or preclude partial payments otherwise
17 provided by the Contract.

18
19 **1-09.9 Payments**
20 **(December 30,2022 APWA GSP)**

21
22 Section 1-09.9 is revised to read:

23
24 The basis of payment will be the actual quantities of Work performed according to
25 the Contract and as specified for payment.

26
27 The Contractor shall submit a breakdown of the cost of lump sum bid items at the
28 Preconstruction Conference, to enable the Project Engineer to determine the Work
29 performed on a monthly basis. A breakdown is not required for lump sum items that
30 include a basis for incremental payments as part of the respective Specification.
31 Absent a lump sum breakdown, the Project Engineer will make a determination
32 based on information available. The Project Engineer's determination of the cost of
33 work shall be final.

34
35 Progress payments for completed work and material on hand will be based upon
36 progress estimates prepared by the Engineer. A progress estimate cutoff date will be
37 established at the preconstruction conference.

38
39 The initial progress estimate will be made not later than 30 days after the Contractor
40 commences the work, and successive progress estimates will be made every month
41 thereafter until the Completion Date. Progress estimates made during progress of
42 the work are tentative, and made only for the purpose of determining progress
43 payments. The progress estimates are subject to change at any time prior to the
44 calculation of the final payment.

45
46 The value of the progress estimate will be the sum of the following:

- 47 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable
48 units of work completed multiplied by the unit price.
- 49 2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump
50 sum breakdown for that item, or absent such a breakdown, based on the
51 Engineer's determination.

- 1 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job
2 site or other storage area approved by the Engineer.
- 3 4. Change Orders — entitlement for approved extra cost or completed extra work
4 as determined by the Engineer.
- 5

6 Progress payments will be made in accordance with the progress estimate less:

- 7 1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
- 8 2. The amount of progress payments previously made; and
- 9 3. Funds withheld by the Contracting Agency for disbursement in accordance with
10 the Contract Documents.

11
12 Progress payments for work performed shall not be evidence of acceptable
13 performance or an admission by the Contracting Agency that any work has been
14 satisfactorily completed. The determination of payments under the contract will be
15 final in accordance with Section 1-05.1.

16
17 Failure to perform obligations under the Contract by the Contractor may be decreed
18 by the Contracting Agency to be adequate reason for withholding any payments until
19 compliance is achieved.

20
21 Upon completion of all Work and after final inspection (Section 1-05.11), the amount
22 due the Contractor under the Contract will be paid based upon the final estimate
23 made by the Engineer and presentation of a Final Contract Voucher Certification to
24 be signed by the Contractor. The Contractor's signature on such voucher shall be
25 deemed a release of all claims of the Contractor unless a Certified Claim is filed in
26 accordance with the requirements of Section 1-09.11 and is expressly excepted from
27 the Contractor's certification on the Final Contract Voucher Certification. The date
28 the Contracting Agency signs the Final Contract Voucher Certification constitutes the
29 final acceptance date (Section 1-05.12).

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

51
52 Payment to the Contractor of partial estimates, final estimates, and retained
53 percentages shall be subject to controlling laws.

1
2 **1-09.9(1) Retainage**
3 **(June 27, 2011 WSDOT GSP)**

4
5 *Section 1-09.9(1) content and title is deleted and replaced with the following:*

6
7 Vacant

8
9 **1-09.13(3)A Arbitration General**
10 **(January 19, 2022 APWA GSP)**

11
12 *Revise the third paragraph to read:*

13
14 The Contracting Agency and the Contractor mutually agree to be bound by the
15 decision of the arbitrator, and judgment upon the award rendered by the arbitrator
16 may be entered in the Superior Court of the county in which the Contracting
17 Agency's headquarters is located, provided that where claims subject to arbitration
18 are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of
19 the Superior Court. The decision of the arbitrator and the specific basis for the
20 decision shall be in writing. The arbitrator shall use the Contract as a basis for
21 decisions.

22
23 **1-09.13(4) Venue for Litigation**
24 **(December 30, 2022 APWA GSP)**

25
26 *Revise this section to read:*

27
28 Litigation shall be brought in the Superior Court of the county in which the
29 Contracting Agency's headquarters is located, provided that where claims are
30 asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the
31 Superior Court. It is mutually agreed by the parties that when litigation occurs, the
32 Contractor shall permit the Contracting Agency to have timely access to all records
33 deemed necessary by the Contracting Agency to assist in evaluating the claims or
34 action.

1 **DIVISION 2: EARTHWORK**

2
3 **2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**
4 **(March 17, 2016 Tacoma GSP)**

5
6 **2-01.1 Description**

7 *The first sentence of the first paragraph is revised to read:*

8
9 The Contractor shall clear, grub, and clean up those areas contained within the “Clearing
10 & Grubbing” limits indicated on the Plans and as needed for construction.

11
12 *This section is supplemented with the following:*

13
14 Trees, stumps, shrubs, and brush located outside the Clearing & Grubbing limits shall be
15 considered as part of “Clearing and Grubbing” when identified for removal on the Plans.

16
17 **2-01.2 Disposal of Usable Material and Debris**

18 *The second paragraph is revised to read:*

19
20 The Contractor shall dispose of all debris in accordance with Section 2-01.2(2).

21
22 **2-01.3(1) Clearing**

23 *This section is revised to read:*

24
25 The Contractor shall:

- 26
27 1. Fell trees only within the area to be cleared.
28 2. Close-cut parallel to the slope of the ground all stumps to be left in the cleared
29 area outside the slope stakes.
30 3. Close cut all stumps that will be buried by fills 5-feet or less in depth.
31 4. Follow these requirements for all stumps that will be buried by fills deeper than 5-
32 feet from the top, side, or end surface of the embankment or any structure and
33 are in a location that will not be terraced as described in Section 2-03.3(14):
34 a. Close-cut stumps under 18-inches in diameter.
35 b. Trim stumps that exceed 18-inches in diameter to no more than 12-
36 inches above original ground level.
37 5. Leave standing any trees or native growth indicated by the Engineer.
38 6. Trim all trees to be left standing to the height specified by the Engineer, with a
39 minimum height of eight (8) feet above sidewalk and fourteen (14) feet above the
40 roadway surface. Neatly cut all limbs close to the tree trunk.
41 7. Thin clumps of native growth as the Engineer may direct.
42 8. Protect, by fencing if necessary, all trees or native growth from any damage
43 caused by construction operations per LS-08 to LS-11.
44 9. Trim all shrubs and brush which covers sidewalks, curb, curb and gutter, and
45 curb ramps to a minimum of four inches from the edge of sidewalk or as directed
46 by the Engineer or Certified Arborist.
47 10. Remove and dispose of, or relocate the following existing features where
48 necessary within the project limits or as indicated on the Plans:
49 a. Cement concrete gutter boxes.

- b. Large rocks, garden stone, or other stones used for the purpose of landscaping or as a barrier when inside the paving limits.
 - c. Wood curbs, logs, railroad ties, and other timber used for landscaping when inside the paving limits.
 - d. Bollards inside the paving area and not designated to remain.
 - e. Relocate Eco Blocks to a location outside of the paving limits.
11. Remove trees as indicated on the plans or as directed by the Engineer or certified Arborist. The tree removal shall include stump grinding to eight inches below final grade and removal of roots according to the Plans and Specifications, and as directed by the Engineer and certified Arborist, such that a new tree can be planted in the same area.
12. Perform all work as required by the certified Arborist Reports to protect, remove, trim, prune roots or limbs, and any other works detailed in the Arborist Reports. This work shall be performed on Force Account per Section 1-09.6.
13. All stumps identified for stump grinding or as directed by the Engineer or certified Arborist shall be ground to eight inches below final grade.

2-01.3(2) Grubbing

Item e is revised to read:

Upon which embankments will be placed, except stumps may be close-cut or trimmed as allowed in Section 2-01.3(1) item 4.

Add the following sections:

2-01.3(5) Certified Arborist

The Contractor shall provide a certified Arborist on site to assess and provide Arborist Reports for all work within the Tree Protection Zone of a tree in accordance with the Urban Forestry Manual and the Tacoma Municipal Code 13.06.502. All work done in the critical root zone shall be in compliance with the Arborist Report provided by the certified Arborist or under the direction of the certified Arborist.

The certified Arborist shall be on site to assess and provide direction for all tree trimming, limb or root pruning of greater than 4 inches, and tree removals as specified in the Plans or other tree work as directed by the Engineer. The certified Arborist shall submit an Arborist Report to the Engineer per section 1-05.3

The Arborist shall be certified by the International Society of Arboriculture (ISA).

2-01.3(6) Definition of Vegetation

A "tree" is defined as any self-supporting, woody perennial plant having a main stem (trunk) and which normally attains a height of at least ten (10) feet at maturity.

A "shrub" is defined as any woody perennial plant which normally attains a height of less than ten (10) feet at maturity and which can be construed to have some landscape value.

"Brush" is defined as any perennial vegetation which normally attains a height of ten (10) feet or less at maturity, which is not maintained as part of a landscape feature, which is

1 “volunteer” growth or which exists in a naturalized state. Examples include but are not
2 limited to stands of blackberries and scotch broom.

3
4 **2-01.3(7) Tree and Stump Classifications**

5
6 Trees shall be classified by the measured diameter at a point four and one-half (4-½)
7 feet above average ground level. Trees that have several stems at the four and one-half
8 (4-½) foot height will be considered a tree clump. The largest diameter single stem will
9 be measured and will dictate the class rating. Only the largest, single stem in the clump
10 will be utilized for measurement and payment.

11
12 Stumps shall be classified by the measured diameter at the highest point of the stump
13 above the average ground level or a point four and one-half (4-1/2) feet above the
14 average ground level, whichever is less.

15
16 Trees and stumps will be classified as follows:

17		
18	Less than 4 inches	Class 0
19	4 inches up to but not including 12 inches	Class I
20	12 inches up to but not including 24 inches	Class II
21	24 inches up to and including 42 inches	Class III
22	Greater than 42 inches (Tree height greater than 30 feet)	Class IV
23	Greater than 42 inches (Tree height of 30 feet or less)	Class V
24		

25 **2-01.4 Measurement**

26 *This section is supplemented with the following:*

27
28 No specific unit of measurement shall apply to the lump sum item “Certified Arborist”.

29
30 No specific unit of measurement shall apply to the force account item “Certified Arborist
31 Assessment Report Compliance”.

32
33 **2-01.5 Payment**

34 *The third paragraph of this section is revised to read:*

35
36 The unit Contract price per lump sum for “Clearing and Grubbing” shall be full pay for all
37 Work described in this section and section 2-13 except “Roadside Cleanup”, “Certified
38 Arborist”, and “Certified Arborist Assessment Report Compliance”.

39
40 *This section is supplemented with the following:*

41
42 “Certified Arborist”, lump sum

43
44 The lump sum contract price for “Certified Arborist” shall be full pay for all labor,
45 materials, and equipment to provide a certified Arborist on site prior to and during
46 construction to perform all tree assessments, provide tree assessment reports, direct
47 and assess all tree trimming, root and limb pruning, tree removals or other tree work (not
48 included in other bid items) as directed by the Engineer and in accordance with the
49 Contract. No extra payment shall be made for any delays in construction schedule to
50 provide a certified Arborist and comply with the certified Arborists assessments and
51 reports.

52
53 “Certified Arborist Assessment Report Compliance”, by force account

1
2
3
4
5
6
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9
10

An estimated amount is entered into the bid proposal for “Certified Arborist Assessment Report Compliance”, by force account. The Contractor will be compensated by force account per Section 1-09.6 for all Work related to the Arborist Assessment Report as directed by the Certified Arborist or as directed by the Engineer. “Certified Arborist Assessment Report Compliance” does not include tree protection fencing as discussed in 8-02.

END OF SECTION

1 **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**
2 **(December 9, 2005 Tacoma GSP)**

3
4 **2-02.1 Description**

5 *The first sentence of the first paragraph is revised to read:*

6
7 The Work described in this section includes relocating, removing and disposing of, or
8 salvaging, materials named in the Special Provisions, as shown on the plans, or
9 identified by the Engineer, including street lights and foundations, pole foundations,
10 signs, drain pipes, bollards, all items needed to complete the work, and all such items
11 that are omitted in bid items outside of Section 2-02.

12
13 *This section is supplemented with the following:*

14
15 The Work described in this section also includes test holes according to this special
16 provision, for determining the location and depth of existing utilities or structures.

17
18 **2-02.3(3) Removal of Pavement, Sidewalks, and Curbs**

19 *This section is deleted.*

20
21 *Section 2-02.3 is supplemented with the following:*

22
23 **2-02.3(4) Test Holes**

24
25 The engineer may at certain locations on the project site need to discover or locate an
26 existing utility or structure that does not have proper as-built information. The contractor
27 shall excavate a small test hole, where directed by the engineer, in determining the
28 location and depth of the existing utility or structure.

29
30 The test hole may be excavated by conventional excavation methods or by the use of a
31 vacuum truck. The test hole for the conventional method shall be a minimum of 48" by
32 48" in width. The test hole shall be no deeper than 17 feet in depth. Gravel borrow shall
33 be used to backfill the excavated hole. The gravel borrow shall be compacted in
34 accordance to section 2-09 of the standard specifications. Three inches of hot mix
35 asphalt shall be placed on top of the gravel borrow to provide a driving surface in a travel
36 lane.

37
38 *Section 2-02.4 is revised to read:*

39 **2-02.4 Measurement**

40
41 Measurement of the test hole shall be measured per linear foot from the surface of the
42 existing ground to the bottom of the excavated test hole.

43
44 **2-02.5 Payment**

45 *This section is supplemented with the following:*

46
47 Any demolition, relocation, reinstallation, and removal work not specifically included in
48 other bid items shall be paid for under "Removal of Structure and Obstruction", per lump
49 sum.

50
51 "Test Hole", per linear foot

- 1 The unit contract price per linear foot for "Test Hole" shall be full pay for all labor,
- 2 equipment, and materials required to perform potholing, complete and close the test
- 3 hole, and construct temporary pavement repair in accordance with these specifications.
- 4
- 5

END OF SECTION

1 **2-03 ROADWAY EXCAVATION AND EMBANKMENT**
2 **(March 17, 2016 Tacoma GSP)**

3
4 **2-03.1 Description**

5 *The last sentence of the first paragraph is deleted.*

6
7 **2-03.3(5) Slope Treatment**

8 *This section is deleted.*

9
10 **2-03.3(19) Removal of Pavement, Sidewalks, Curbs, and Gutters**

11 *This section is deleted.*

12

13

14

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 **2-06.3(3) Subgrade Repair for Subgrade Not Constructed Under Same**
8 **Contract**

9
10 Upon removal of pavement, the Contractor and City Inspector shall walk the subgrade
11 surface to determine and delineate any subgrade areas that need to be repaired. Any
12 Subgrade areas that require repair, from the initial walkthrough, shall be determined
13 solely by the City Inspector. Any initial subgrade repairs shall be paid for according to
14 Section 2-06.5(2). Subgrade repair shall be performed in accordance with Section 2-06
15 and immediately after it has been determined and delineated. In order to minimize
16 damage to the subgrade, the Contractor is encouraged to minimize pavement removal
17 during the work.

18
19 **2-06.3(4) Subgrade Maintenance and Protection**

20
21 Immediately after the contractor constructs the subgrade or completes initial subgrade
22 repair to the City's satisfaction, the contractor shall maintain and protect the subgrade.
23 Any defects or damage of the subgrade thereafter shall be repaired or replaced
24 according to Section 2-06, at the Contractor's expense before placement of any
25 succeeding courses or pavement. Maintenance and protection of the subgrade shall be
26 the responsibility of the Contractor. The Contractor shall be required to take
27 precautionary measures to prevent damage by heavy loads or equipment, as well as
28 from inclement weather.

29
30 The Contractor and City Inspector should walk the exposed subgrade on a daily basis to
31 determine if there is damage to the subgrade. Any Subgrade areas that require repair
32 according to this section shall be determined solely by the City Inspector.

33
34 **2-06.5 Measurement and Payment**

35 *This section is supplemented with the following:*

36
37 Subgrade Maintenance and Protection shall be paid by lump sum and shall apply to all
38 subgrade.

39
40 "Subgrade Maintenance and Protection", per lump sum

41
42 The lump sum price for "Subgrade Maintenance and Protection" shall be full pay for all
43 material, labor, and equipment for implementation of subgrade maintenance and
44 protection, as determined by the City Inspector.

45
46 If the contractor fails to protect the subgrade so that additional subgrade repairs are
47 required as determined by the City Inspector, then the city shall not owe payment for
48 these additional subgrade repairs in accordance with Section 2-06.3.

49
50 **2-06.5(2) Subgrade Not Constructed Under Same Contract**

51 *Item 5 under this section is deleted.*

52
53 **END OF SECTION**

1 **2-07 WATERING**
2 **(August 3, 2009 Tacoma GSP)**

3
4 **2-07.3 Construction Requirements**

5 *The last sentence of the first paragraph is revised to read:*

6
7 The Engineer may direct that the Contractor apply water during non-working hours such
8 as evenings, weekends, or recognized holidays.

9
10 *Section 2-07.3 is supplemented with the following:*

11
12 **2-07.3(1) Water Supplied from Hydrants**

13
14 There is no guarantee that all fire hydrants will be available for use for cleaning, lining, or
15 any other construction activities associated with this project. Prior to construction
16 activities, it shall be the Contractor's responsibility to verify which hydrants will be
17 available by contacting Tacoma Water. The Contractor shall use only those hydrants
18 designated by Tacoma Water.

19
20 Water supplied from hydrants governed by Tacoma Water shall be used in strict
21 compliance with the "Operating Procedures for the use of Water Division Hydrants"
22 available at the Tacoma Water Permit Counter.

23
24 The Contractor shall obtain a Hydrant Permit prior to start of work by contacting the
25 Water Permit Counter at (253) 502-8247, 2nd floor, Tacoma Public Utilities,
26 Administrative Building, 3628 South 35th Street, Tacoma, WA 98409. A copy of the
27 approved Hydrant Permit shall be 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
31 undergo training to receive the required certification. Contact the Water Permit Counter
32 to set up training as necessary.

33
34 **2-07.4 Measurement**

35 *This section has been revised to read:*

36
37 No specific unit of measurement shall apply to "Watering", to be included in the lump
38 sum "Erosion Control and Water Pollution Prevention" lump sum item in Section 8-01.

39
40 **2-07.5 Payment**

41 *This section has been revised to read:*

42
43 The lump sum unit contract price for "Erosion Control and Water Pollution Prevention" in
44 Section 8-01 shall include the full pay for all labor, materials, tools, and equipment
45 necessary to furnish, haul, and apply the water.

46
47 **END OF SECTION**

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
8 will be from center of manhole to center of manhole or to the inside face of catch basins
9 and similar 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
14 basins, grate inlets, junction boxes, 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 lump sum.

20
21 The unit Contract price for "Structure Excavation Class B" shall be full payment for all
22 excavation, removal of water; shoring, protecting and re-handling of suitable backfill
23 material; backfilling of the trench, compaction of backfill, and all other work necessary for
24 the construction of the utility trench.

25
26 **END OF SECTION**

1 **2-14 PAVEMENT REMOVAL**
2 **(March 17, 2003 Tacoma GSP)**

3
4 **2-14.1 Description**
5

6 The work described in this section includes the removal and disposal of pavement
7 surfaces identified on the Plans or as marked in the field.
8

9 **2-14.2 Pavement Classification**
10

11 Removal of pavement will be according to type and class based on composition and
12 thickness, as defined below:
13

- | | | |
|----|------------------|---|
| 14 | Type I | Pavement removal where all portions of the existing pavement is
15 being removed in conjunction with street construction or any other
16 removal not described below for Type II and Type III.
17 |
| 18 | Type II | Pavement removal required for placing of utilities at greater and
19 varying depths, such as sewer.
20 |
| 21 | Type III | Pavement removal required for narrow and shallow utility cuts in
22 order to install light cables, conduits and similar shallow utilities.
23 |
| 24 | Class A2 | Class A2 pavement removal shall apply to the removal of asphalt
25 concrete, bituminous road surfacing, multiple lift bituminous
26 surcharge treatment or any combination of these components
27 having an average thickness of two inches or less.
28 |
| 29 | Class A4 | Class A4 pavement removal shall apply to the removal of asphalt
30 concrete, bituminous road surfacing, multiple lift bituminous
31 surcharge treatments or any combination of these components
32 having an average thickness between two inches and four inches.
33 |
| 34 | Class A8 | Class A8 pavement removal shall apply to the removal of asphalt
35 concrete, bituminous road surfacing, multiple lift bituminous
36 surcharge treatments or any combination of these components
37 having an average thickness between four inches and eight
38 inches.
39 |
| 40 | Class C6 | Class C6 pavement removal shall apply to all non-reinforced
41 cement concrete pavements or slabs having an average thickness
42 of six inches or less. After the curbs and pavement have been
43 constructed, the Contractor may be required to remove additional
44 sidewalk necessary to provide proper connections and grades, as
45 determined by the Engineer.
46 |
| 47 | Class C12 | Class C2 pavement removal shall apply to all non-reinforced
48 cement concrete pavements or slabs having an average thickness
49 of between 6 inches and 12 inches.
50 |
| 51 | Class CA | Class CA pavement removal shall apply to all pavements that
52 have a wearing surface of asphalt concrete upon a cement
53 concrete pavement or, cement concrete base, and for which the
54 total combined thickness of the pavement averages between six
55 inches and twelve inches.
56 |

1 **Class H** Class H pavement removal shall apply to early type pavement of a
2 cement concrete base with a brick or cobblestone surface and
3 potentially an additional layer of asphalt concrete pavement for
4 which the total combined thickness of the pavement averages
5 between ten inches and twenty inches.
6

7 **2-14.3 Construction Requirements**
8

9 All final meet lines shall be sawcut. All pavement removal shall be Type I removal unless
10 the Type is otherwise specified.
11

12 Where monolithic cement concrete pavement and curb are being removed, the curb
13 removal shall be considered as pavement removal, and the measurement for payment
14 will be to the back of the curb.
15

16 The removal of existing street improvements shall be conducted in such a manner as not
17 to damage utilities and any portion of the improvement that is to remain in place. Any
18 deviation in this matter will obligate the Contractor, at no expense to the Contracting
19 Agency, to repair, replace, or otherwise make proper restoration to the satisfaction of the
20 Engineer.
21

22 **2-14.4 Measurement**
23

24 Pavement removal will be measured per square yard.
25

26 Type I Pavement removal will be measured in its original position through the use of
27 survey techniques.
28

29 **2-14.5 Payment**
30

31 Payment will be made in accordance with Section 1-04.1.
32

33 “Remove Existing Pavement, Type___Class___”, per square yard
34

35 The unit price per square yard for “Remove Existing Pavement, Type ____, Class
36 _____” shall be full compensation for all classes of pavement removal in accordance
37 with the Plans and these Specifications. All costs associated with saw cutting meet lines
38 shall be included in the unit Contract price for pavement removal. Pavement class shall
39 be assumed based on the location of existing pavement. Class A2 pavement is assumed
40 to be located in areas where existing landscape strips are paved with asphalt and are
41 not existing driving surfaces. Class A4 pavement is assumed to be located on all asphalt
42 surfaces outside of the existing paved roadways not included in Class A2. Class A8
43 pavement is not anticipated to be found. Class C6 pavement is assumed to be all
44 existing cement concrete sidewalk. Class C12 pavement is assumed to be all existing
45 cement concrete driving surfaces. Classes CA is assumed to be all existing asphalt
46 roadway surfaces. Class H is not anticipated to be found. If existing surface thicknesses
47 are encountered which do not match the assumptions listed above, a proportional
48 adjustment per square yard will be paid to the Contractor.
49

50 **END OF SECTION**

1 **2-15 CURB AND CURB AND GUTTER REMOVAL**
2 **(March 17, 2003 Tacoma GSP)**

3
4 **2-15.1 Description**

5
6 The Work described in this section includes the complete removal and disposal of curbs
7 and curb and gutter identified on the Plans or as marked in the field.

8
9 **2-15.2 Curb Classification**

10
11 Removal of curb will include all types as defined below:

12
13 **Integral Curb** - Integral curb shall consist of curb that is constructed monolithic with the
14 adjacent cement concrete pavement.

15
16 **Curb** - Curb may consist of cement concrete curb, granite curb, or any other
17 combination of rigid material that extends below the pavement surface elevation.

18
19 **Curb and Gutter** - Curb and gutter may be cement concrete, or a cement concrete curb
20 with a brick gutter on a cement concrete base, or other combination of rigid material.

21
22 **2-15.3 Construction Requirements**

23
24 Integral curb removal shall consist of the removal of the curb and the integral base
25 section under the curb. The removal shall be accomplished by saw cutting along the
26 face of the curb.

27
28 The removal of the curb shall be conducted in such a manner as not to damage utilities
29 and any portion of the improvement that is to remain in place. Any deviation in this
30 matter will obligate the Contractor, at no expense to the Contracting Agency, to repair,
31 replace, or otherwise make proper restoration to the satisfaction of the Engineer.

32
33 **2-15.4 Measurement**

34
35 Curb removal will be measured per linear foot.

36
37 **2-15.5 Payment**

38
39 Payment will be made in accordance with Section 1-04.1

40
41 "Remove Curb", per linear foot

42
43 All costs associated with saw cutting necessary for the removal of curb and/or curb and
44 gutter shall be included in the unit Contract price for removal.

45
46 **END OF SECTION**

1 **2-16 REMOVAL OF CATCH BASINS, MANHOLES, CURB INLETS, JUNCTION**
2 **BOXES, 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
8 basins, 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
15 if 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
18 removed and replaced with imported backfill material. Payment will be made at the unit
19 contract price of the item in the proposal, or as extra work under Section 1-04.4 if not
20 included as an item in the 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
25 utilities and any portion of the improvement that is to remain in place. Any deviation in
26 this matter will obligate the Contractor, at no expense to the Contracting Agency, to
27 repair, replace, or 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 All costs associated with the placement and compaction of the backfill material shall be
40 included in the unit contract price for removal.

41
42 **END OF SECTION**

1 **2-17 CONTROL AND MANAGEMENT OF CONTAMINATED MATERIALS IN**
2 **TACOMA SMELTER PLUME**
3 **(June 3, 2014 Tacoma GSP)**

4
5 **2.17.1 Description**

6
7 **2-17.1(1) General**

8
9 Contaminated soils exceeding the levels listed in the Washington State Models Toxics
10 Control Act (MTCA) cleanup regulations (Chapter 173-340 WAC) have been
11 encountered on the project site. The Contractor shall operate within and meet all
12 applicable laws and regulations associated with working with regulated materials
13 encountered during excavation activities. The Contractor is notified of the existence of
14 cleanup standards for site soils developed according to the MTCA.

15
16 The Contractor is advised to review the applicable Washington Administrative Codes
17 (WAC), Washington Department of Ecology (DOE), Washington State Department of
18 Health (DOH), MTCA and Asarco Reports.

19
20 Websites for further information:

21
22 WAC: <http://apps.leg.wa.gov/wac/> (Title 173-303 & 173-340)

23
24 DOH: <http://www.doh.wa.gov/>

25
26 DOE: <http://www.ecy.wa.gov/>

27
28 MTCA: <http://www.ecy.wa.gov/pubs/9406.pdf>

29
30 Public Health Seattle and King County:

31 <http://www.kingcounty.gov/healthservices/health/ehs/toxic/ArsenicLead.aspx>

32
33 Pierce County Health Department:

34 <http://www.tpchd.org/index.php>

35
36 Environmental Protection Agency, Asarco Smelter Cleanup:

37 <http://www.epa.gov/region10>

38
39 Agency for Toxics Substances and Disease Registry, Facts on Arsenic:

40 <http://www.atsdr.cdc.gov/tfacts2.html>

41
42 Centers for Disease Control, Facts on Lead:

43 <http://www.cdc.gov/nceh/lead/publications/1997/factlead.htm>

44
45 Department of Health, Drinking Water:

46 <http://www.doh.wa.gov/ehp/dw>

47
48 **2-17.1(2) Site Description**

49
50 **2-17.1(2)A Historical Land Use**

51
52 The Tacoma smelter opened in 1890 as a lead smelter. Asarco purchased it in 1905 and
53 converted it to copper smelting in 1912. The smelter operated for nearly 100 years,
54 closing in 1986. The smelter specialized in processing ores with high arsenic
55 concentrations.

56

1 The smelter used a 562 foot smokestack. The chemicals in the smoke from the stack
2 were carried out by the wind, and settled to the ground over a 1,000 square mile area.
3 Much of the soil in King and Pierce Counties has been contaminated with arsenic and
4 lead. Arsenic is a human carcinogen, and lead can cause development disabilities. The
5 Department of Ecology and state and local health departments are concerned about
6 potential health risks to people exposed to contamination.

7
8 **2-17.1(3) Soil Management**
9

10 The Contractor shall load any contaminated material directly into trucks and dispose of it
11 as contaminated material at LRI Landfill, located at 30919 Meridian Street East,
12 Graham, WA, or other licensed and acceptable facility. A Waste Disposal Authorization
13 (WDA) for the disposal facility will be supplied to the Contractor at the beginning of the
14 Construction Activities. The Contractor shall follow all provisions of the WDA.

15
16 Any haul to the LRI Landfill, or other licensed acceptable facility, will require the City to
17 pay the facility directly for all tipping fees.

18
19 **2-17.1(4) Submittals**
20

21 This paragraph lists submittals required for this project area. Other submittals will be as
22 required.

- 23 1. **Health and Safety Plan** – Section 2-17.2(2).
- 24 2. **Resume of Site Health and Safety Officer** – Section 2-17.2(3).
- 25 3. **Manifest Package and Supporting Analytical Data** – Section 2-17.3(2)D
- 26 4. **Soil Management Plan** – Section 2-17.2(5)
- 27 5. **Contractor and/or Subcontractor Environmental Qualifications**

28
29 **2-17.2 Health and Safety**
30

31 The Contractor shall be responsible for the health and safety conditions at the job site
32 related to the regulated substances. This includes the health and safety of workers and
33 public during work and non-working hours. The Contractor shall inform all workers and
34 visitors of the potential for exposure to regulated materials. The Contractor shall follow
35 regulatory procedures to prevent the release of contamination.

36
37 Contaminated material excavated during the project is considered solid waste. The
38 Contractor's Health and Safety Plan shall specify training requirements for the site,
39 including 24, 48, or 80 hour training OSHA training as referenced in WAC 296 843
40 20010, if applicable. The Contractor shall be responsible for all training costs.

41
42 **2-17.2(1) Health and Safety Laws and Regulations**
43

44 For all work conducted within the limits of this project site, the Contractor shall ensure
45 compliance with all applicable health and safety provisions for hazardous waste
46 operations, including requirements of the Federal Occupation Safety and Health Act of
47 1970 (OSHA) and all amendments, including 29 CFR Part 1910, WAC 296-843, as well
48 as any other applicable regulations. Failure to be thoroughly familiar with applicable
49 health and safety provisions shall not relieve the Contractor of the responsibility to fully
50 comply with all laws and regulations.

1 **2-17.2(2) Site Health and Safety Plan**

2
3 The Site Health and Safety Plan shall be prepared in accordance with WAC 173-340-
4 810. The Contractor shall develop a written Site Health and Safety Plan to be used for
5 the duration of the project. The plan shall incorporate all required city, county, state, and
6 federal health and safety provisions. The plan shall be submitted to the City within ten
7 (10) working days after execution of the contract. The Contractor is advised that the City
8 will review the Site Health and Safety Plan, but the Contractor is solely responsible for
9 ensuring that the Site Health and Safety Plan is implemented in accordance with the
10 regulatory requirements. At least one copy of the plan shall be maintained at the work
11 site. A properly qualified individual shall be assigned to serve as the Site Health and
12 Safety Officer, authorized to supervise and enforce compliance with the plan. The
13 Health and Safety Officer shall be responsible for monitoring the work area for health
14 hazards including sampling of the air, soil, and water as required to ensure worker
15 safety.

16
17 All provisions of the Site Health and Safety Plan shall apply to the Contractor,
18 Subcontractors, and all other visitors to the site. Approved Subcontractors may elect to
19 develop a site-specific plan, but this shall not relieve the Contractor of the requirements
20 and responsibilities described herein. The terms and provisions of a Subcontractor's
21 site-specific plan shall meet or exceed the Contractor's plan and shall be submitted to
22 the City or its agents prior to the Subcontractor commencing work.

23
24 The Site Health and Safety Plan shall comply with all applicable regulations and shall
25 include, but not be limited to:

- 26
27 1. A list of chemical hazards and physical hazards, allowable OSHA
28 exposure levels, threshold limit values, and all other regulatory exposure
29 levels.
30
31 2. If 24, 48, or 80 hour training is required by the Site Health and Safety
32 Plan, then the Contractor shall provide a list of all persons, by work
33 category/type, who will be trained. Photocopies of the employee's
34 training certificates shall be submitted to the Contracting Agency.
35
36 3. Engineering controls, work practices, personnel and equipment
37 decontamination procedures, and types of personal protective equipment
38 to be used.
39
40 4. A list of safety and monitoring equipment to be kept at the job site and its
41 storage location. A record of monitoring equipment calibration shall be
42 maintained.
43
44 5. A list of required health and safety information to be documented.
45
46 6. An emergency evacuation plan for immediate removal to the nearest
47 hospital or doctor's care for any person who may be injured on the job
48 site. It shall include evacuation routes to medical treatment and
49 emergency telephone numbers for hospitals, ambulances, police and fire
50 departments, poison control, and the City of Tacoma.
51

1 In the event the Health and Safety Plan is determined by a regulatory agency to be
2 inadequate to protect the employees and the public, then the Plan shall be modified by
3 the Contractor at the Contractor's sole expense.
4

5 **2-17.2(3) Site Health and Safety Officer**
6

7 The Contractor shall appoint a Site Health and Safety Officer for the project. The Health
8 and Safety Officer must meet the requirements contained in 29 CFR Part 1910 and
9 Chapter 296-62 WAC and who is qualified by experience and training in hazardous
10 waste operations in accordance with other applicable laws, regulations, and
11 requirements of this Section. The Site Health and Safety Officer shall be qualified and
12 authorized to monitor, supervise, and enforce safety compliance with the Site Health and
13 Safety Plan. A resume of the Site Health and Safety Officer's qualifications shall be
14 submitted to the City for review within five (5) working days of receiving the Notice to
15 Proceed. The Site Health and Safety Officer shall be on site at all times when work
16 operations involve excavation and trenching or at other times when the potential for
17 encountering hazardous substances exists as identified as contaminated soil in the
18 Plans and Section 2-17.
19

20 The Contractor shall be solely responsible for identification and monitoring of air (gases),
21 soil, dust, and groundwater with chemical constituents that could pose health and safety
22 concerns to site personnel. The Contractor shall provide for the protection of safety and
23 health of all workers and other authorized persons, including the City and its agents at
24 the jobsite from exposure to potentially hazardous substances.
25

26 The Contractor shall be solely responsible for ensuring that all necessary monitoring
27 equipment, protective clothing, and other supplies and equipment up to the appropriate
28 level of protection as defined by WISHA, OSHA, and other applicable guidelines are
29 available to implement the plan. No work shall take place in areas where hazardous
30 substances may potentially be present unless the Site Health and Safety Officer is
31 present and monitoring site conditions.
32

33 The Contractor, through the Site Health and Safety Officer, shall not permit any
34 employee, in the performance of the Contract, to work under conditions which are
35 hazardous to the employee. Should violations of the safety and health requirements be
36 called to the Site Health and Safety Officer's attention by the City, its agent, or any
37 authorized representative of a regulator agency, then the Contractor shall immediately
38 correct the identified conditions.
39

40 **2-17.2(4) Contractor Safety Equipment**
41

42 The Contractor shall maintain, at the job site, first-aid and safety equipment applicable to
43 the work as prescribed by the governing safety authorities. All required safety
44 equipment shall be kept in fully operational condition for the duration of the contract.
45

46 All personnel shall be trained in the use of the appropriate safety equipment that would
47 be utilized during the course of their work. The Site Health and Safety Officer shall
48 ascertain that the safety equipment is being used when appropriate and/or required.
49
50
51
52

1 **2-17.2(5) Soil Management Plan**

2
3 The Contractor shall submit a detailed plan for management of all excavated soils. The
4 plan shall include excavation, loading, and transporting procedures, dust control
5 procedures, and disposal of contaminated soils.
6

7 **2-17.3 Construction Requirements**

8
9 Construction activities at the site will generate excess soils and possible groundwater
10 associated with the installation of underground utilities. The Contractor shall fully
11 develop and implement a program in accordance with the Health and Safety Plan to
12 ensure worker health and safety and to minimize disruption to construction due to site
13 contamination.
14

15 **2-17.3(1) Notification**

16
17 The Contractor shall notify the Contracting Agency, in writing, at least ten (10) working
18 days prior to the date that excavation operations are to begin and identify the limits of
19 that excavation. Excavation and sampling shall not take place without a designated
20 representative from the Contracting Agency on site.
21

22 **2-17.3(2) Transportation**

23
24 **2-17.3(2)A General**

25
26 The Contractor shall provide all equipment, personnel, and materials necessary to load
27 and transport waste materials, including contaminated soils and debris, for off-site
28 treatment and/or disposal in accordance with federal, state, and local regulations.
29

30 **2-17.3(2)B Control of Waste Material**

31
32 Vehicles used by the Contractor to transport waste materials shall be properly designed,
33 equipped, and maintained to prevent the loss of materials during transport. The
34 following requirements shall be met for all vehicles transporting waste materials from the
35 site:
36

- 37 1. No soil from the site shall adhere to the outside of the surface of the
38 vehicle (including tires and undercarriage).
- 39 2. No liquids shall be leaking or dripping from the vehicles.
- 40 3. Any and all waste materials shall be covered with tarpaulin or otherwise
41 completely enclosed to prevent loss of materials from the vehicle during
42 transport.
43
44
45

46 If leaking or dripping from transport vehicles occurs, the Contracting Agency may direct
47 the Contractor to use liners or other means to prevent dripping and leaking. The
48 Contractor shall implement such measures, as directed by the Contracting Agency, at
49 the Contractor's sole expense.
50
51
52

1 **2-17.3(2)C Street Sweeping**

2
3 The Contractor shall sweep those streets within the project when truck traffic carries soil
4 from the site into the street. Street sweeping shall be conducted in such a way as to not
5 generate visible dust. Material collected from street sweeping shall be disposed of in a
6 legal manner at an off-site location and be included in the street cleaning bid item.

7
8 **2-17.3(2)D Transportation and Shipping Requirements**

9
10 The Contractor shall be responsible for obtaining permits and authorizations necessary
11 to use the selected haul routes. The Contractor shall use United States DOT
12 regulations, 49 CFR 172.101 to identify proper shipping names for each hazardous
13 material (including Dangerous Waste) to be shipped off site. Proper shipping names
14 shall be submitted to the Contracting Agency in the form of draft shipping documents for
15 review and comment.

16
17 The Contractor shall ensure that each shipment of material sent off site is accompanied
18 by the appropriate shipping documents. The Contractor shall prepare a bill of lading for
19 each shipment of regulated material which does not require a hazardous waste manifest.
20 The bill of lading shall satisfy the requirements of United States DOT regulations, 49
21 CFR 172 Subpart C and any applicable state or local law or regulation, and shall be
22 submitted to the Contracting Agency for review. The Contractor shall be responsible for
23 completing the shipping documents and obtaining the signatures of the Contracting
24 Agency as needed.

25
26 **2-17.3(3) Off-site Treatment and Disposal**

27
28 The Contractor shall provide documentation of legal disposition including trip tickets and
29 Certificates of Disposal.

30
31 **2-17.4 Measurement**

32
33 No specific measurement shall apply to the lump sum item of Site Health and Safety
34 Plan, Site Health and Safety Officer, and Soil Management Plan.

35
36 **2-17.5 Payment**

37
38 Payment will be made in accordance with Section 1-04.1 for each of the following Bid
39 Items that are included in the Proposal:

40
41 "Site Health and Safety Plan", per lump sum.

42
43 "Site Health and Safety Officer", per lump sum.

44
45 "Soil Management Plan", per lump sum.

46
47 Health and safety training, safety equipment and practices, dust control, efficiency
48 losses to other Contract items caused by handling contaminated materials, and other
49 Work required to comply with this specification not specifically identified in a Bid item
50 shall be considered incidental to the work to comply with this Section and all costs
51 therefore shall be included in the Contract prices for the payment items involved and
52 included in the Proposal.

1 **2-18 REMOVE AND REPLACE EXISTING LID WITH ADA COMPLIANT NON-SLIP**
2 **LID**

3
4 **2-18.1 Description**

5
6 The work described in this section includes the removal and replacement of utility lids to
7 provide a non-slip and ADA compliant surface.
8

9 **2-18.2 Classification**

10
11 Removal and replacement of existing lid with ADA compliant non-slip lid shall include all
12 non-ADA compliant utility lids as shown on the plans.
13

14 **2-18.3 Construction Requirements**

15
16 All utility lids directed for replacement shall be replaced by a similar size locking lid
17 meeting non-slip ADA standards with a coefficient of friction of at least 0.6. Any patching
18 or sealing of the sidewalk shall be done in a manner to provide a smooth surface and
19 shall be included in the unit contract price. Contractor must replace structure, ring,
20 and/or cover if necessary at no additional cost as noted below.
21

22 **2-18.4 Measurement**

23
24 The replacement of lids will be measured per each.
25

26 **2-18.5 Payment**

27
28 Payment will be made in accordance with Section 1-04.1.
29

30 "Remove and Replace Existing Lid with ADA Compliant Non-Slip Lid", per each
31

32 All costs associated with the removal and disposal of the existing lid shall be included in
33 the unit contract price of the bid item. All costs associated with replacing existing utility
34 boxes as required to install ADA compliant non-slip lids and all costs associated with
35 sidewalk removal and replacement required to replace damaged utility boxes shall be
36 included in the unit contract price for the bid item.
37

38
39 **END OF SECTION**

1 **DIVISION 3: AGGREGATE PRODUCTION AND ACCEPTANCE**

2
3 **3-04 ACCEPTANCE OF AGGREGATE**
4 **(April 1, 2012 Tacoma GSP)**

5
6 **3-04.1 Description**

7 *The first and third paragraphs are deleted.*

8
9 *The fourth paragraph is revised to read:*

10
11 Nonstatistical evaluation will be used for the acceptance of aggregate materials.

12
13 **3-04.3(1) General**

14 *The first sentence is revised to read:*

15
16 For the purpose of acceptance sampling and testing, all test results obtained for a
17 material type will be evaluated collectively.

18
19 **3-04.3(4) Testing Results**

20 *This section is replaced with the following:*

21
22 The results of all acceptance testing will be provided by the City's Project Engineer
23 within 3 working days of testing.

24
25 **3-04.3(6) Statistical Evaluation**

26 *This section is deleted*

27
28
29 **END OF SECTION**
30

1 **DIVISION 4: BASES**

2

3 **4-04 BALLAST AND CRUSHED SURFACING**

4 **(March 17, 2003 Tacoma GSP)**

5

6 **4-04.5 Payment**

7 *This section is supplemented with the following:*

8

9 All costs for labor, equipment, and materials required to furnish, place, and compact the
10 crushed surfacing top course for all asphalt concrete approaches and non-paved
11 approaches shall be included in the unit Contract price for "Crushed Surfacing Top
12 Course", per ton.

13

14

15

END OF SECTION

1 **DIVISION 5: SURFACE TREATMENTS AND PAVEMENTS**

2
3 **5-04 HOT MIX ASPHALT**

4
5 **5-04.3 Construction Requirements**

6
7 **5-04.3(3) Hot Mix Asphalt Pavers**
8 **(June 16, 2016 Tacoma GSP)**

9 *The second paragraph is deleted.*

10
11 **5-04.3(3) A Material Transfer Device/Vehicle**
12 **(June 16, 2016 Tacoma GSP)**

13 *The first paragraph is revised to read:*

14
15 A Material Transfer Device/Vehicle (MTD/V) shall not be used unless specific paving
16 areas are specified below. A MTD/V shall only be used according to this special
17 provision for the following paving areas:

18
19 none

20
21 **5-04.3(5)E Pavement Repair**
22 **(June 16, 2016 Tacoma GSP)**

23 *This section is revised to read:*

24
25 Pavement repair shall be in accordance with the City of Tacoma Right-of-Way
26 Restoration Policy found at www.govME.org.

27
28 Pavement repair consists of asphalt concrete sawcut, removing asphalt concrete
29 pavement, crushed surfacing and subgrade, and installing Construction Geotextile for
30 Separation, placing crushed surfacing top course (or base course) over the Construction
31 Geotextile, and HMA in accordance with the Contract or as directed by the Engineer.

32
33 Pavement repair excavation may also be performed by the use of a milling machine of a
34 type that has operated successfully on work comparable with that to be done under the
35 Contract and shall be approved by the Engineer prior to use. If a milling machine is used
36 for excavation, the excavation shall be as directed by the Engineer.

37
38 In all types of excavation, after the removal of the asphalt, the base material will be
39 evaluated by the Engineer to determine if it is suitable. If the base is determined not to
40 be suitable, the Contractor shall remove the base material and restore the sub-grade in
41 accordance with Section 2-06 and the Plans, regardless of the method used for
42 excavation.

43
44 Payment for pavement repair shall be by the unit Bid prices according to the Contract for
45 all materials, labor, and equipment required to complete the pavement repair. Items not
46 included in the Proposal shall be paid for according to Section 1-04.1(2).

47
48 **5-04.3(7)A Mix Design**

49
50

1
2 **5-04.3(7)A1 General**
3 **(June 16, 2016 Tacoma GSP)**

4 *This section is supplemented with the following:*

5
6 The Contractor shall determine anti-strip requirements for HMA and provide laboratory
7 25 test data for anti-stripping.

8
9 The Contractor shall provide a mix design based upon 3 million ESALs.

10
11 **5-04.3(7)A2 Statistical or Nonstatistical Evaluation**

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

13
14 **5-04.3(7)A2 Nonstatistical Evaluation**
15 **(January 16, 2014 APWA GSP)**

16
17 Mix designs for HMA accepted by Nonstatistical Evaluation shall:

- 18
19 • Be submitted to the Project Engineer on WSDOT Form 350-042
20 • Have the aggregate structure and asphalt binder content determined in
21 accordance with WSDOT Standard Operating Procedure 732 and meet the
22 requirements of Sections 9-03.8(2) and 9-03.8(6).
23 • Have anti-strip requirements, if any, for the proposed mix design determined in
24 accordance with WSDOT Test Method T 718 or based on historic anti-strip and
25 aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of
26 HMA mix designs utilized that include RAP will be completed without the
27 inclusion of the RAP.

28
29 At or prior to the preconstruction meeting, the Contractor shall provide one of the
30 following mix design verification certifications for Contracting Agency review;

- 31
32 • The proposed mix design indicated on a WSDOT mix design/anti-strip report that
33 is within one year of the approval date
34 • The proposed HMA mix design submittal (Form 350-042) with the seal and
35 certification (stamp & signature) of a valid licensed Washington State
36 Professional Engineer.
37 • The proposed mix design by a qualified City or County laboratory mix design
38 report that is within one year of the approval date.

39
40 The mix design will be performed by a lab accredited by a national authority such as
41 Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The
42 Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO
43 Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO
44 Material Reference Laboratory (AMRL) program.

45
46 At the discretion of the Engineer, agencies may accept mix designs verified beyond the
47 one-year verification period with a certification from the Contractor that the materials and
48 sources are the same as those shown on the original mix design.

49
50 **5-04.3(8)A Acceptance Sampling and Testing – HMA Mixture**

51
52

1 **5-04.3(8)A1 General**
2 **(January 16, 2014 APWA GSP)**

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

4
5 Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

6
7 Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in
8 the Contract documents.

9
10 The mix design will be the initial JMF for the class of HMA. The Contractor may request
11 a change in the JMF. Any adjustments to the JMF will require the approval of the Project
12 Engineer and must be made in accordance with Section 9-03.8(7).

13
14 Commercial evaluation may be used for Commercial HMA and for other classes of HMA
15 in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails,
16 gores, pre-level, and pavement repair. Other nonstructural applications of HMA accepted
17 by commercial evaluation shall be as approved by the Project Engineer. Sampling and
18 testing of HMA accepted by commercial evaluation will be at the option of the Project
19 Engineer. Commercial HMA can be accepted by a Contractor certificate of compliance
20 letter stating the material meets the HMA requirements defined in the Contract.

21
22 **5-04.3(8)A4 Definition of Sampling Lot and Sublot**
23 **(January 16, 2014 APWA GSP)**

24 *Section 5-04.3(8)A4 is supplemented with the following:*

25
26 For HMA in a structural application, sampling and testing for total project quantities less
27 than 400 tons is at the discretion of the engineer. For HMA used in a structural
28 application and with a total project quantity less than 800 tons but more than 400 tons, a
29 minimum of one acceptance test shall be performed:

- 30
31 i. If test results are found to be within specification requirements, additional
32 testing will be at the engineer's discretion.
33 ii. If test results are found not to be within specification requirements, additional
34 testing as needed to determine a CPF shall be performed.

35
36 **5-04.3(8)A5 Test Results**
37 **(January 16, 2014 APWA GSP)**

38 *The first paragraph of this section is deleted.*

39
40 **5-04.3(8)A6 Test Methods**
41 **(June 16, 2016 Tacoma GSP)**

42 *This section is revised to read:*

43
44 Testing of HMA for compliance of Va will be at the option of the Contracting Agency, and
45 will be by WSDOT Standard Operating Procedure (SOP) 731. Testing for compliance of
46 asphalt binder content will be by FOP for AASHTO T 308. Testing for compliance of
47 gradation will be by FOP for WAQTC T 27/T 11, WSDOT Materials Manual.

48
49 **5-04.3(10) Compaction**
50
51
52

1 **5-04.3(10)B1 General**

2 **(June 16, 2016 Tacoma GSP)**

3 *The fourth sentence of the first paragraph is revised to read:*

4
5 The specified level of density attained will be determined by the non-statistical evaluation
6 of nuclear density tests taken on the day the mix is placed (after completion of the finish
7 rolling).

8
9 *The sixth paragraph and subsequent table are deleted.*

10
11 *This section is supplemented with the following:*

12
13 Compaction tests will be performed at a minimum of 5 various locations, as determined
14 by the Engineer, for each 400 tons placed. The locations will be determined by the
15 stratified random sampling procedure conforming to WSDOT Test Method T 716. For an
16 area in progress with a CPF less than 0.75, a new compaction sequence will begin at
17 the Contractor's request after the Project Engineer is satisfied that material conforming
18 to the Specifications can be produced. The Compaction Test Procedures will be
19 provided to the Contractor by the Contracting Agency at the Pre-Construction
20 Conference or a Pre-Paving Meeting, prior to the placement of HMA material on site.

21
22 Cores may be used as an alternate to the nuclear density gauge tests. When cores are
23 taken by the Engineer at the request of the Contractor, the request shall be made by
24 noon of the first working day following placement of the mix. The Engineer shall be
25 reimbursed for the coring expenses.

26
27 At the start of paving, if requested by the Contractor, a compaction test section shall be
28 constructed as directed by the Engineer to determine the compactibility of the mix
29 design. Compactibility shall be based on the ability of the mix to attain the specified
30 minimum density (91 percent of the maximum density determined by WSDOT FOP for
31 AASHTO T 729). Following determination of compactibility, the Contractor is responsible
32 for the control of the compaction effort. If the Contractor does not request a test section,
33 the mix will be considered compactible.

34
35 HMA for pre-leveling shall be compacted to the satisfaction of the Engineer.

36
37 **5-04.3(10)B2 Cyclic Density**

38 **(June 16, 2016 Tacoma GSP)**

39 *This section is deleted.*

40
41 **5-04.3(10)B4 Test Results**

42 **(June 16, 2016 Tacoma GSP)**

43 *The first paragraph is revised to read:*

44
45 The Engineer will inform the Contractor of field compaction test results as work is being
46 performed. Formal Test Report(s) will be provided to the Contractor within 3 Working
47 Days.

1 **5-04.3(17) Paving Under Traffic**
2 **(June 16, 2016 Tacoma GSP)**

3 *The second paragraph is supplemented with the following:*

4
5 No traffic shall be allowed on any newly placed pavement without the approval of the
6 Engineer.

7
8 **5-04.3(20) Anti Stripping Additive**
9 **(June 16, 2016 Tacoma GSP)**

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

11
12 The asphalt supplier shall add anti-stripping additive to the liquid asphalt prior to
13 shipment to the asphalt mixing plant. The Contractor shall submit the anti-stripping
14 additive type and amount as designated in the WSDOT mix design/anti-strip evaluation
15 report. The Contractor shall submit the anti-stripping additive amount and the
16 manufacturer's certification, together with the HMA mix design submittal in accordance
17 with Section 5-04.3(7)A. Paving shall not begin before the anti-stripping additive
18 submittal is approved by the Engineer.

19
20 **5-04.4 Measurement**
21 **(June 16, 2016 Tacoma GSP)**

22 *The first paragraph is revised to read:*

23
24 HMA Cl. ½ in. PG 58H-22 will be measured by the ton in accordance with Section 1-
25 09.2, with no deduction being made for the weight of asphalt binder, blending sand,
26 mineral filler, anti-stripping additive, or any other component of the mixture; and the
27 measurement shall include asphalt wedge curbs and thickened edges in accordance
28 with the Plans or as directed by the Engineer. If the Contractor elects to remove and
29 replace mix as allowed in Section 5-04.3(11), the material removed will not be
30 measured.

31
32 *The second paragraph is revised to read:*

33
34 No specific unit of measure will apply to roadway cores or temporary patching, which
35 shall be included in the measurements for the HMA items that are included in the
36 Proposal.

37
38 **5-04.5 Payment**
39 **(June 16, 2016 Tacoma GSP)**

40 *Pay items for "Job Mix Compliance Price Adjustment" and "Compaction Price*
41 *Adjustment" are deleted.*

42
43 *The following pay items for HMA are revised to read:*

44
45 "HMA Cl. ½ IN PG 58H-22", per ton.

46
47 The unit Contract price per ton for "HMA Cl. ½ IN PG 58H-22" shall be full payment for
48 all costs incurred to carry out the requirements of Section 5- 04, including coring and
49 testing, and shall include anti-stripping additive, asphalt wedge curbs, thickened edges,
50 curb drains, and connection to existing drains in accordance with the Contract. The City
51 has testing performed by a third party and this testing will be paid for by the City. Any
52 costs that are already included in other Bid items in the Proposal shall not be included in

1 the unit Contract prices per ton for these HMA Bid items. No specific bid item applies to
2 temporary patching; all temporary patching shall be incidental to HMA per this section.

3

4 **5-04.5(1) Quality Assurance Price Adjustments**

5 *This section is deleted.*

6

7

END OF SECTION

1 **5-05 CEMENT CONCRETE PAVEMENT**
2 **(June 16, 2016 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
8 Tacoma's 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 data: the date, the
16 amount of materials (i.e., cement, sand, aggregates, water), the type and amount of
17 each admixture, and the designated 28-day compressive strength specific to the mix
18 design being submitted. The design compressive strength shall be a minimum of 4,000
19 psi.

20
21 **5-05.3(4) Measuring and Batching Materials**

22
23 **5-05.3(4)A Acceptance of Portland Cement Concrete Pavement**

24 *This section is supplemented with the following:*

25
26 Acceptance of concrete will be on a non-statistical acceptance only.

27
28 *The first, second, third and fourth paragraphs are deleted.*

29
30 **5-05.3(8) Joints**

31 *The second paragraph is revised to read:*

32
33 The Contractor shall submit a concrete panel jointing plans in accordance with the Plans
34 and these Specifications. When a concrete panel jointing plan is included in the Plans,
35 the Contractor may adopt or submit a revised jointing plan in accordance with Standard
36 Plans and the Specifications at the Contractor's own expense. The Contractor's jointing
37 plan shall be approved in writing by the Engineer before the start of concrete paving.

38
39 When new pavement abuts existing pavement, the location of the joints in the new
40 pavement shall match with the joints in the existing pavement unless otherwise
41 approved by the Engineer.

42
43 **5-05.3(10) Tie Bars and Corrosion Resistant Dowel Bars**

44 *The first sentence of the last paragraph is revised to read:*

45
46 The tie bar holes shall be clean before grouting.

47
48 **5-05.3(11) Finishing**

49 *The third paragraph is revised to read:*

50
51 In advance of curing operations, the pavement shall receive an initial texturing followed
52 by final finishing. Initial texturing shall be performed with a burlap drag or broom device,
53 creating striations in the same orientation as the final finish. The concrete roadway

1 surface shall be finished with a traverse tining. Where integral concrete curbs are
2 constructed, the roadway surface finish shall end 12 inches from the flowline.

3
4 *The fourth paragraph is revised to read:*

5
6 Burlap drags, brooms, and tine devices may be installed on self-propelled equipment
7 having external alignment control. When texturing the pavement with burlap, the area of
8 burlap in contact with the pavement shall be maintained constant at all times. Broom and
9 tine devices shall be provided with positive elevation control. Downward pressure on
10 pavement surface shall be maintained at all times during texturing so as to achieve
11 uniform texturing without measurable variations in pavement profile. If self-propelled
12 texturing machines are used, these shall be operated so that travel speed during
13 texturing is maintained constant. Failure of the texturing equipment to perform according
14 to this section shall constitute cause for stopping placement of concrete until the
15 equipment deficiency or malfunction is corrected.

16
17 *The seventh paragraph is revised to read:*

18
19 **Test Panel:**

20 At the start of concrete pavement construction, the Contractor shall first finish a textured
21 concrete test panel and the Engineer shall give approval of the achieved finish according
22 to this section prior to further concrete pavement construction. If the test panel is
23 rejected by the Engineer, the Contractor shall remove and replace the test panel at no
24 additional cost to the Contracting Agency. The Contractor can designate one of the
25 project panels as a test panel or create a sacrificial test panel on site of at least four feet
26 by eight feet.

27
28 Project panels not meeting the characteristics of the test panel shall be removed and
29 replaced at no additional cost to the Contracting Agency.

30
31 *The eighth through tenth paragraphs are deleted*

32
33 **5-05.3(14) Cold Weather Work**

34 *This section is supplemented with the following:*

35
36 The following additional requirements for placing concrete shall be in effect from
37 November 1 to April 1:

- 38
39
- 40 • Engineer shall be notified at least 24 hours prior to placement of concrete.
 - 41 • The contractor must submit a "Cold Weather Work Plan" for approval of concrete
42 pavement in cold temperatures. The "Cold Weather Work Plan" must address
43 safety precautions taken and education given relating to the project.
 - 44 • All concrete placement shall be completed no later than 2:00 p.m. each day.
 - 45 • Where forms have been placed and the subgrade has been subjected to frost, no
46 concrete shall be placed until the ground is completely thawed. At that time, the
47 forms shall be adjusted and subgrade repaired as determined by the Engineer.

48 **5-05.3(22) Repair of Defective Pavement Slabs**

49 *This section is supplemented with the following:*

50
51 All repairs of defective pavement slabs shall be performed in accordance with the City of
52 Tacoma's Right-of-Way Restoration Policy.

53

1 **5-05.4 Measurement**

2 *This section is revised to read:*

3
4 Measurement for cement concrete pavement and concrete base pavement shall be by
5 the square yard for the pavement completed and accepted according to Section 5-05
6 and the Plans, including the area underneath curbs. No deduction will be made for
7 castings in pavement.

8
9 Cement Concrete Pavement for Pavement Patches will be measured by the square
10 yard.

11
12 Epoxy-Coated Tie Bars with Drill Hole that are drilled into existing cement concrete
13 pavement will be measured per each tie bar installed according to the Plans and Section
14 5-05.

15
16 Dowel Bar Retrofit shall be measured per each retrofitted dowel bar installed into an
17 existing concrete pavement edge according to the Plans and Section 5-05.

18
19 **5-05.5 Payment**

20 *This section is revised to read:*

21
22 Payment will be made in accordance with Section 1-04.1.

23
24 "Cement Conc. Pavement", per square yard.

25
26 The unit Contract price per square yard for "Cement Conc. Pavement" shall be full
27 payment for all costs incurred to carry out the requirements of Section 5-05 and the
28 Plans, and shall include furnishing and installing epoxy coated dowel bars and tie bars.

29
30
31 **END OF SECTION**

1 **DIVISION 6: STRUCTURES**

2
3 **6-02 CONCRETE STRUCTURES**
4 **(February 16, 2011 Tacoma GSP)**

5
6 **6-02.3(2)B Commercial Concrete**

7 *This section is supplemented with the following:*

8
9 Where concrete Class 3000 is specified for driveways, the Contractor may use
10 commercial concrete.

11
12 **6-02.3(4) Ready Mix Concrete**

13 *This first paragraph is revised to read.*

14
15 All concrete shall be batched in a prequalified manual, semi-automatic, or automatic
16 plant as described in Section 6-02.3(4)A.

17
18
19 **END OF SECTION**

1 **DIVISION 7: DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS,**
2 **WATER MAINS, AND CONDUITS**

3

4 **7-02 CULVERTS**

5 **(April 1, 2012 Tacoma GSP)**

6

7 **7-02.2 Materials**

8 *This section is supplemented with the following:*

9

10 All culvert pipe shall have a smooth interior wall.

11

12

13

END OF SECTION

- 1 **7-04 STORM SEWERS**
- 2 **(March 17, 2003 Tacoma GSP)**
- 3 *This section is deleted. The requirements of Section 7-17 shall apply to storm sewers.*

1 **7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**
2 **(March 23, 2010 Tacoma GSP)**

3
4 **7-05.1 Description**

5 *This section is supplemented with the following:*

6
7 All references to sanitary sewers shall be construed to also mean storm sewers.

8
9 **7-05.3 Construction Requirements**

10 *The first sentence of the eleventh paragraph is revised to read:*

11
12 A flexible pipe-to-manhole connector shall be used in all connections of rigid and
13 thermoplastic pipes to **new** precast concrete manholes to provide a watertight joint
14 between the pipe and the manhole, unless otherwise directed by the Engineer. The
15 connection shall be "Kor-N-Seal" with "Wedge Korband" (Type I or II as required for pipe
16 diameter), manufactured by NPC, Inc., Milford, New Hampshire, or Engineer approved
17 equal. The connectors shall be installed in accordance with the manufacturer's
18 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
26 adjusted 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
29 in Section 7-05.3 and Standard Plan No. SU-25 or SU-37. The finished structure shall
30 conform to the requirements of the standard plan for the specific structure.

31
32 Where water valves are to be adjusted to grade, Tacoma Water will provide new valve
33 cans. Contractor to contact Tacoma Water and coordinate delivery. Existing Tacoma
34 Water meter boxes that must be adjusted by over 0.2-ft vertically will be removed and
35 replaced by Tacoma Water Crews.

36
37 Where private utilities, such as Lumen, are to be adjusted to grade, the Contractor must
38 coordinate all work associated with the private utility with the utility owner; all work
39 associated with private utilities must meet the standards and requirements of the utility
40 owner.

41
42 **7-05.3(3) Connections to Existing Manholes**

43 *The first sentence is revised to read:*

44
45 The Contractor shall inspect the existing manholes in the field to verify invert elevations
46 and the scope of work necessary to make the connection(s) prior to construction.

47
48 **7-05.4 Measurement**

49 *The sixth paragraph is revised to read:*

50
51 Connections to existing structures will be measured per each.

52
53 *This section is supplemented with the following:*

1
2 Reconnecting existing sewer pipes to new manhole structures will be measured per
3 each.

4
5 Manholes with Cast-in-Place Base will be measured per each.

6
7 **7-05.5 Payment**

8 *The first paragraph is supplemented with the following:*

9
10 The unit Contract price for "Manhole Type 3 48'" shall be full pay for all work required to
11 furnish and install the new manhole to finished grade, including, but not limited to,
12 excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s),
13 channeling, covers, frames, ladders, steps, and handholds, as applicable per Standard
14 Plans.

15
16 *The pay item for "Connection to Drainage Structure" is revised to read:*

17
18 "Connect New Sewer Pipe ___-In. Diam. to Existing Structure", per each.

19
20 *This section is supplemented with the following:*

21
22 "Reconnect Existing Sewer Pipe, ___-In. Diam. To New Structure", per each.

23
24 The unit Contract price per each shall be full pay for all labor, equipment and materials
25 necessary to reconnect the existing sewer pipe to the new structure as specified in
26 Section 7-05.3.

27
28 "Adjust Existing Catch Basin, Furnish New Frame and Grate", per each

29
30 The unit Contract price per each for "Adjust Existing Catch Basin, Furnish New Frame
31 and Grate" shall be full pay for all costs associated with adjusting the frame and grate to
32 finished grade, including but not limited to, excavating, furnish and place backfill,
33 furnishing and installing the new frame and grate, compacting, surfacing, and
34 restoration.

35
36 "Adjust Existing Manhole, Furnish New Frame and Cover", per each

37
38 The unit Contract price per each for "Adjust Existing Manhole, Furnish New Frame and
39 Cover" shall be full pay for all costs associated with adjusting the frame and cover to
40 finished grade, including but not limited to, excavating, furnish and place backfill,
41 furnishing and installing the new frame and cover, compacting, surfacing, and
42 restoration.

43
44 "Adjust Existing Utility Lid to Grade", per each

45
46 The unit Contract price per each for "Adjust Existing Utility Lid to Grade" shall be full pay
47 for all costs associated with the adjusting the valve chamber, junction box, or other utility
48 structure not listed above to finished grade, including but not limited to, excavating,
49 furnish and place backfill, compacting, surfacing, and restoration. If existing utility must
50 be replaced to match grade, cost for replacing utility is incidental to this bid item.

51
52 "Private Utility Coordination", per lump sum

53

1 Where work is required on Tacoma Water facilities and private utilities, such as Lumen,
2 the Contractor must coordinate all work with the utility owner. Utility owner may allow the
3 Contractor to perform this work however the utility owner may elect to have their own
4 crews perform this work. Contractor must include all costs for this proposed coordination
5 and payment to utility owner as part of this lump sum bid item.
6
7

8

END OF SECTION

1 **7-07 CLEANING EXISTING DRAINAGE STRUCTURES**
2 **(March 23, 2010 Tacoma GSP)**

3
4 **7-07.3 Construction Requirements**

5 *Item three of paragraph two is revised to read:*

- 6
7 3. If sediment and water from structures does not meet the conditions described in
8 1 or 2 above, the Contractor shall collect and dispose of all water used and all
9 debris generated in clearing operations. No Cleaning water or debris shall be
10 flushed downstream beyond the limits of the work.

11
12 **7-07.5 Payment**

13 *This section has been revised to read:*

14
15 Cleaning existing drainage structures shall be the responsibility of the Contractor and
16 included in the bid items found in Section 8-01.

17
18
19 **END OF SECTION**

1 **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**
2 **(November 16, 2016 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*
6 *section 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 shall be used at any pipe joint in which bell and spigot or fused joints are
18 not use Flexible couplings are not permitted, except for side sewer installation.

19
20 **7-08.3(2)G Jointing of Dissimilar Pipe**

21 *This section is revised to read:*

22
23 Dissimilar pipe shall be joined by use of rigid couplings with bolted connections except
24 for side sewer installation.

25
26 **7-08.3(3) Backfilling**

27 *The second paragraph is revised to read:*

28
29 Pipe zone backfill, backfill above pipe zone, and extra excavation area backfill material
30 shall meet the requirements of Section 9-03.12(2). Recycled concrete shall not be used
31 for pipe zone bedding, pipe zone backfill, backfill above pipe zone, and extra excavation
32 area backfill

33
34 *The fourth paragraph is revised to read:*

35
36 Backfill above the pipe zone shall be accomplished in such a manner that the pipe will
37 not be shifted out of position nor damaged by impact or overloading. If pipe is being
38 placed in a new embankment, backfill above the pipe zone shall be placed in
39 accordance with Section 2-03.3(14)C. If pipe is being placed under existing paved areas,
40 or roadways, backfill above the pipe zone shall be placed in horizontal layers no more
41 than 12-inches thick and compacted to 95-percent maximum density. If pipe is being
42 placed in non-traffic areas, backfill above the pipe zone shall be placed in horizontal
43 layers no more than 12-inches thick and compacted to 85-percent maximum density. All
44 compaction shall be in accordance with the Compaction Control Test of Section 2-
45 03.3(14)D. Material excavated from the trench shall be used for backfill above the pipe
46 zone, except that organic material, frozen lumps, wood, rocks, or pavement chunks
47 larger than 6-inches in maximum dimension shall not be used. Material determined by
48 the Engineer to be unsuitable for backfill at the time of excavation shall be removed and
49 replaced with imported backfill material meeting the requirements of Section 9-03.12(2).
50 Material determined to be suitable for backfill at the time of excavation shall be
51 stockpiled and used for backfill material. If the stockpiled material becomes unsuitable,
52 the Contractor shall furnish suitable material in an amount equal to that, which became
53 unsuitable, at no expense to the Contracting Agency.

1
2 **7-08.3(4) Plugging Existing Pipe**

3 *This section is revised to read:*

4
5 If construction of the new sewer pipe does not result in the removal of the existing pipe
6 due to differing alignments, then the existing pipe shall be abandoned in place as shown
7 in the Plans. The Contractor shall plug all pipe branches, stubs, or other open ends of
8 the pipe to be abandoned. The Contractor shall submit a Pipe Abandonment Plan in
9 accordance with Section 1-05.3 describing the proposed methods for capping and
10 plugging the existing pipe

11
12 **7-08.3(6) Abandon Existing Pipe**

13
14 If construction of the new sewer pipe does not result in the removal of the existing pipe
15 due to differing alignments, then the existing pipe shall be abandoned in place as shown
16 in the Plans. The Contractor shall plug all pipe branches, stubs, or other open ends of
17 the pipe to be abandoned. The Contractor shall submit a Pipe Abandonment Plan in
18 accordance with Section 1-05.3 describing the proposed methods for capping the
19 existing pipe to provide a watertight pipe plug.

20
21 If the pipes to be abandoned are removed and disposed of during construction of the
22 new sewers, all costs for the removal and disposal shall be included in the lump sum unit
23 contract price for "Structure Excavation, Class B."

24
25 **7-08.4 Measurement**

26 *This section is supplemented with the following:*

27
28 Abandonment of existing sewer pipes will be measured by the cubic yard of CDF
29 necessary to fill the existing pipes.

30
31 **7-08.5 Payment**

32 *The pay item for "Structure Excavation Class B" is revised to read*

33
34 "Structure Excavation Class B", per cubic yard.

35
36 The unit Contract price for "Structure Excavation Class B" shall be full payment for all
37 excavation, removal of water; storing, protecting and re-handling of suitable backfill
38 material; backfilling of the trench, compaction of backfill, and all other work necessary for
39 the construction of the sewer trench. Payment to be incidental to bid item found in
40 section 2-09.

41
42
43 **END OF SECTION**

1 **7-17 SANITARY SEWERS**
2 **(March 4, 2014 Tacoma GSP)**

3
4 **7-17.1 Description**

5 *This section is supplemented with the following:*

6
7 All reference to sanitary sewer shall also mean storm sewers.

8
9 **7-17.2 Materials**

10 *The first paragraph is revised to read:*

11
12 Pipe materials used for storm and sanitary sewers shall be as shown on plans. All
13 references to PVC shall mean Solid Wall PVC Sewer Pipe. Profile Wall PVC will not be
14 permitted.

15
16 *This section is supplemented with the following:*

17
18 Polyvinyl Chloride (PVC) Pressure Pipe (4-inches and over) 9-
19 30.1(5)A

20
21 **7-17.3(2)A General**

22 *The first paragraph is revised to read:*

23
24 Sewers and appurtenances shall be cleaned and tested after backfilling by either
25 exfiltration or low-pressure air method at the option of the Contractor, except where the
26 ground water table is such that the Engineer may require the infiltration test.

27
28 **7-17.3(2)H Television Inspection**

29 *The first sentence is revised to read:*

30
31 The Contractor shall video inspect all sanitary and storm sewers prior to paving where
32 paving occurs over sewers, or prior to final acceptance.

33
34 The Contractor is to provide the City 72 hours of advanced notice so that a City
35 representative may be present during the inspection if so elected. The video shall be
36 submitted for review which may take up to ten (10) working days. If more than ten (10)
37 working days are required for the Engineer's review of the videos, an extension of time
38 will be considered in accordance with 1-08.8. At a minimum, the video files shall meet
39 the technical requirements of 7-17.3(3). No claim will be allowed for damages, or
40 extensions of time resulting from the rejection of a video due to not meeting the technical
41 requirements, or issues as seen visually with the constructed assets as shown by the
42 video.

43
44 **7-17.3(3) Technical Requirements**

45 *Add the following new section:*

46
47 **General**

48 The Contractor shall hire a third-party television inspection company to perform
49 television inspection services on all new full segments and partial segments of sanitary
50 and storm sewer mains and side sewers, including the connection point between new
51 and existing pipes, and newly constructed manholes. The television inspection
52 subcontractor must attend the Pre-Construction Conference in order to discuss the

1 submittal process and required formatting of videos and databases, as described in this
2 Section.

3
4 **Schedule & Review Requirements**

5 CCTV inspections shall be performed in accordance with the excavation and paving
6 criteria defined in Section 1-08.4 of these Specifications. Final pavement restoration
7 shall not occur until the Contracting Agency has approved all applicable pipe segments,
8 video files, and databases within the paving limits.

9
10 The Contractor shall provide the Contracting Agency 72 hours of advance notice so that
11 the Engineer may be present during the inspection if so elected. The inspection video
12 and associated database file for each pipe segment, including all side sewers (if
13 applicable), shall be submitted to the Contracting Agency for review and approval within
14 ten (10) working days of the installation. The Engineer may take up to three working
15 days to review the files. If more than three working days are required for the Engineer's
16 review of the videos, an extension of time will be considered in accordance with Section
17 1-08.8. No claim will be allowed for damages and no extension of time will be granted
18 resulting from the rejection of a video or database due to not meeting the technical
19 requirements or construction defects identified in the video.

20
21 **Inspection and Video Criteria**

22 CCTV inspection work shall be completed by certified National Association of Sewer
23 Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP)
24 trained operator(s) using established PACP coding and observations. Coding and
25 observation results shall be recorded and presented on a per asset basis, from structure
26 to structure. A pipe asset is defined as one continuous pipe from the upstream structure
27 to the downstream structure. Footage shall be recorded with the starting and ending
28 points being the center of the manholes and/or catch basins, with the exception that if
29 partial segments are constructed in this Contract, including side
30 sewers, the inspection only needs to show all new work up to and including the
31 connection to the existing pipe. Inspections shall be performed after the manhole has
32 been channeled and the camera operator shall pan around and record the inside of
33 each manhole and/or catch basin constructed in this project at the start and end of each
34 inspection. The television camera shall have a resolution of 700 lines minimum and
35 shall have a source of illumination attached to it.

36
37 The video files shall be recorded and submitted in WMV format and include an
38 unmodified NASSCO-PACP Certified Access Database conducted entirely in digital
39 format with electronic reference to the survey which is intended to be imported into the
40 Contracting Agency's viewing software, GraniteNet. The PACP database must be in
41 MDB format and shall include the Contracting Agency's SAP ID for pipe segments and
42 structures. No other file formats will be accepted unless approved by the Contracting
43 Agency.

44
45 All videos and database files shall be submitted via the Internet web-based project
46 management communications tool, e-Builder software. The Contractor shall review
47 each video and database prior to submitting to confirm formatting is correct and no pipe
48 repairs are needed.

49
50 The Contractor shall provide video identifying each pipe segment by manhole, catch
51 basin, and pipe segment SAP ID numbers. The inspection shall identify all connections,
52 general conditions of the sewer pipelines, problem areas, location of all connections or

1 problem areas by linear footage, and observations concerning the condition of the pipe
2 joints. The camera system used shall be capable of travelling up to 500 linear feet.

3
4 Although newly constructed, the sewers will likely be in service with flow present during
5 inspections. The Contractor shall clean the main within 24 hours of the CCTV
6 inspection. The lens shall remain clean and clear for the duration of the inspection.
7 Should the lens become soiled, or fogged, or otherwise impaired to any degree that
8 impedes the ability to clearly see the condition of the pipe, the inspection shall be halted
9 to clean and clear the lens. No additional compensation will be made for re-inspections
10 required by the Contracting Agency due to soiled, fogged, or otherwise impaired camera
11 lenses.

12
13 The Contractor shall maintain sufficient light levels within the main to allow for visual
14 inspection of the pipe walls for a minimum of four feet for all pipe sizes. Additionally, the
15 Contractor shall make certain that the light levels are not so bright that visual inspection
16 is impeded.

17
18 The CCTV Inspection shall be a continuous, unedited video and shall include the
19 following information:

- 20 • Date of Inspection
- 21 • Main segment number
- 22 • Upstream and downstream manhole and/or catch basin numbers
- 23 • Current distance along the mainline

24
25 In addition, the Contractor shall perform wastewater side sewer inspections where they
26 exist via a mainline camera with a lateral launching setup. The lateral launch camera
27 shall be capable of extending at least 30 feet from the main into side sewers and shall
28 include an on-screen footage counter. The quality of the side sewer inspection shall
29 meet the same requirements as the mainline camera. The lateral launch camera must
30 be self-leveling and shall also include a sonde transmitter to locate the side sewer in the
31 event of a defect. All side sewer inspections within a given segment shall be
32 incorporated into the same video and database file as the mainline inspection.

33
34 The Contractor shall bear all costs incurred in correcting any deficiencies found during
35 television inspection including the cost of any additional cleaning and television
36 inspection that may be required by the Engineer to verify the correction of said
37 deficiency.

38
39 The Contractor shall be responsible for all costs incurred in any television inspection
40 performed solely for the benefit of the Contractor.

41 42 **7-17.4 Measurement**

43 *This section is supplemented with the following:*

44
45 Removal and replacement of unsuitable, contaminated and non-contaminated, backfill
46 material will be determined by the cubic yard in place, based on a neat line
47 measurement per this Section and Section 2-09. Any removal and replacement of
48 unsuitable material outside neat line measurement shall be incidental to the Bid item.

49
50 **Horizontal Limits:** The horizontal limits shall be as defined in Section 2-09.4.

51
52 **Longitudinal Limits:** The longitudinal limits shall be as defined in Section 2-09.4.

53

1 **Lower Limits:** The lower limits shall be the top of the pipe zone as shown on Standard
2 Plan No. SU-16.

3
4 **Upper Limits:** The upper limits shall be the subgrade elevation of the proposed roadway
5 section or pavement patch section.

6
7 All costs associated with the disposal of material located above the upper limits shall be
8 included in the unit contract price for other items of work, unless a proposal item is
9 included for this specific item of work.

10
11 Pipe zone limits are as defined in Standard Plan SU-16.

12 13 **7-17.5 Payment**

14 *The first paragraph is supplemented with the following:*

15
16 "PVC Storm Sewer Pipe ___ In. Diam.", per linear foot.

17
18 *The second paragraph is revised to read:*

19
20 The unit Contract price per linear foot for sewer pipe of the kind and size specified shall
21 be full pay for the furnishing, hauling, testing, cleaning, TV inspection, and assembling in
22 place the complete installation, including but not limited to, disposal of material
23 excavated within the pipe zone, furnishing and installing pipe bedding and backfill
24 material within the pipe zone, and all wyes, tees, special fitting, joint materials, and other
25 appurtenances necessary for the completion of the installation to the required line and
26 grade, unless proposal items are included for these specific items of work.

27
28 *The pay item "Removal and Replacement of Unsuitable Material" is revised to read:*

29
30 "Removal and Replacement of Unsuitable Material", per cubic yard.

31
32 The unit Contract price per cubic yard for "Removal and Replacement of Unsuitable
33 Material" shall be full pay for all work required to haul and dispose of the unsuitable
34 material as specified in Section 7-08.3(1)A and the furnishing of suitable backfill material
35 as specified in Section 7-08.3(3).

36
37 For the purpose of providing a common proposal for bidders, the proposal quantity for
38 "Removal and Replacement of Unsuitable Material" is based on removal and
39 replacement of all backfill material.

40
41 **END OF SECTION**
42

1 **7-19 SEWER CLEANOUTS**
2 **(May 13, 2009 Tacoma GSP)**

3
4 **7-19.3 Construction Requirements**

5 *The third sentence of the first paragraph is deleted.*

6
7 *The fourth sentence of the third paragraph is deleted.*

8
9 **7-19.5 Payment**

10 *The third first paragraph is revised to read:*

11
12 The unit Contract price for "Sewer Cleanout" shall be full pay for furnishing and placing
13 the wye, pipe, pipe beds, pipe plug, castings, and collar as specified herin and shown on
14 Standard Plan SU-24.

15
16
17

END OF SECTION

1 *The Standard Specifications are supplemented with the following:*

2
3 **7-20 TRENCH DRAIN**

4
5 **7-20.1 Description**

6
7 This work consists of construction trench drain in accordance with the Plans and these
8 specifications. Construction involves the following components:

- 9
10 A. System requirements: Provide a trench drain system with ADA compliant frame and
11 grate and cast-in-place concrete trench as shown on the plans.
12
13 B. Gratings shall be locking and comply with the load requirements of AASHTO or
14 DIN/EN loading specifications as required by the Engineer. Gratings shall comply
15 with City of Tacoma accessibility requirements and national ADA standards.
16
17 C. Integral frames which extend onto the concrete slab shall include consolidation vent
18 ports which help minimize air entrapment under the frame when proper vibration
19 techniques are used.
20
21 D. Frames which extend onto the concrete slab shall include anchoring studs which
22 secure the frame into the surrounding concrete. Anchoring studs shall be a minimum
23 of 0.5 in (6 mm) in diameter, and shall extend at least 3 in (75 mm) from the frame.
24 The anchor studs shall be spaced 24 in (610 mm) or less along the length of the
25 grate.
26
27 E. Installation chairs which support the channels and help resist system floating during
28 concrete placement shall be utilized as supplied by the manufacturer. Chairs also
29 allow for system adjustment and alignment prior to concrete placement.
30
31 F. Polymer concrete systems shall include a continuous anchoring rib at the base of
32 each side of the channels to help resist floating during concrete placement.
33
34 G. All piping interface connections shall be compatible with PVC or ABS adhesive.
35
36 H. Fiberglass systems shall either include surface veil or gel coat on the media bearing
37 surface with a UV inhibitor package.
38

39 **7-20.2 Classification**

40
41 Trench drains shall be provided by the contractor and the following information shall be
42 submitted to the Engineer:

- 43
44 A. Product Data: Submit product data and installation instructions including
45 manufacturer's data sheets for specified products.
46
47 B. Product Drawings: Submit shop drawings showing layout, profiles and product
48 components, including anchorage, accessories, finish colors, patterns and textures.
49
50 C. Quality Assurance Submittals: Upon request, submit the following:
51 1. Test Reports: Certified test reports showing compliance with specified
52 performance characteristics and physical properties. Reports shall be
53 stamped by a licensed Professional Engineer.

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- 2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

D. Manufacturer and Contractor Warranty Documents: Upon request.

7-20.3 Construction Requirements

Construction of the trench drain shall meet the following specifications:

Site Preparation:

- A. Surface Preparation: Ensure ground conditions are suitable. Poor site conditions require engineering advice.
- B. Reinforcement: All reinforcement shall be in compliance with Concrete Reinforcing Steel Institute, as shown on the site drawings, and shall be firmly held in place during concrete placement.
- C. The slab shall be designed to hold any applicable holds and shall be built with an appropriate factor of safety.

Installation:

- A. Install precast trench drain per manufacturer installation instructions at locations indicated on the site drawings.
- B. Expansion, Construction, and Control Joints: Site plans shall include the location of all concrete joints. The system shall not be used as an expansion, construction, or control joint in the direction of flow. Expansion, construction, and control joints oriented transverse to the direction of flow shall cross the system at a channel joint.
- C. Precast Trench Drain System Installation: Ensure channels are surrounded on all sides by concrete of minimum 3000 psi (20,684 kPa) compressive strength. Check relevant installation section drawings for minimum suggested dimensions required.
- D. Concrete Edge: Concrete shall be screeded and finished flush to the top surface of the trench drain system. No secondary edge-finishing tools shall be used.
- E. Site Tolerances: 1/2-inch lateral, 1/4-inch vertical, maintaining all required ADA slope and distance thresholds.
- F. Related Products Installation: Refer to other sections in Related Sections paragraph herein for related products installation.

7-20.4 Measurement

The measurement of trench drains shall be measured per linear foot.

1 **7-20.5 Payment**

2

3 Payment will be made for each of the following Bid items that are included in the
4 proposal, and shall be full compensation for all Work associated with these items:

5

6 "Trench Drain", per Linear Foot

7

8 The unit Contract price for "Trench Drain" shall be full payment for all labor, materials,
9 and equipment necessary to install the proposed trench drain, grate, frame, and
10 associated curb cut(s).

11

12

13

END OF SECTION

1 **DIVISION 8: MISCELLANEOUS CONSTRUCTION**

2
3 **8-01 EROSION CONTROL AND WATER POLLUTION CONTROL**
4 **(March 17, 2016 Tacoma GSP)**

5
6 **8-01.1 Description**

7 *This section is supplemented with the following:*

8
9 The City of Tacoma Stormwater Management Manual is available on the City's website
10 at www.cityoftacoma.org/stormwatermanual.

11
12 The City of Tacoma has been issued a Washington State Department of Ecology
13 NPDES Construction Stormwater General Permit for this project. This Work also
14 consists of administration and compliance with the requirements of this permit for this
15 project. A copy of this permit is included in Appendix A of these Special Provisions.

16
17 **8-01.3(1) General**

18 *This section is supplemented with the following:*

19
20 The Contractor shall perform all work in compliance with the NPDES Construction
21 Stormwater General Permit issued for this project.

22
23 The permit shall be transferred to the Contractor prior to issuance of a Notice to Proceed
24 and terminated upon completion of the project per the following:

- 25 1. The City will provide the Contractor with a Transfer of Coverage form prior to
26 issuing a Notice to Proceed.
- 27 2. The Contractor shall sign and return the Transfer of Coverage form to the
28 City.
- 29 3. The City will process the transfer and pay any associated transfer fees to the
30 Washington State Department of Ecology.
- 31 4. Once the transfer is complete and a Notice to Proceed has been issued, the
32 Contractor is responsible for performing all work in compliance with the
33 permit and the plans and specifications.
- 34 5. The Contractor shall pay any renewal fees if the need for permit renewal is
35 caused by contractor, otherwise the City will pay all renewal fees.
- 36 6. Upon Physical Completion of the Work, the Contractor shall submit a Notice
37 of Termination to the Washington State Department of Ecology and provide
38 the City documentation that the termination is effective.

39
40 **8-01.3(1)A Submittals**

41 *This section is revised to read:*

42
43 The Contractor shall adopt or modify a Temporary Erosion and Sediment Control
44 (TESC) Plan and Stormwater Pollution Prevention Plan (SWPPP) Report. The
45 Contractor shall include an implementation schedule for the TESC Plan and SWPPP
46 and incorporate this implementation schedule into the Contractor's progress report. The
47 SWPPP and implementation schedule shall be submitted in accordance with 1-05.3 and
48 1-08.3.

49
50

1 TESC Plans and SWPPP Reports that are modified by the Contractor shall be reviewed
2 and approved by the Project Engineer before implementation. The Contractor shall allow
3 5 working days for the Project Engineer to review any original or revised TESC Plans or
4 SWPPP reports. Failure to approve all or part of any such Plan shall not make the
5 Contracting Agency liable to the Contractor for any Work delays.

6
7 The SWPPP is considered a “living” document that shall be revised to account for
8 additional erosion control/pollution prevention BMPs as they become necessary and are
9 implemented in the field during project construction. A copy of the most current SWPPP
10 and TESC plans shall remain on-site at all times and an additional copy shall be
11 forwarded to the Engineer. At the Contractor’s preference, revisions to the SWPPP and
12 TESC Plan may be forwarded to the Engineer rather than submitting a complete
13 document. Revision to the SWPPP and TESC Plan may be kept on-site in a file along
14 with the original SWPPP document.

15
16 The contractor shall provide Stormwater Pollution Prevention Plan inspection reports or
17 forms per 8-01.3(1)B to the Project Engineer no later than the end of the next working
18 day following the inspection.

19
20 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

21 *This section is revised to read:*

22
23 The Contractor shall identify the ESC Lead at the Preconstruction Meeting and the
24 contact information for the ESC Lead shall be added to the Stormwater Pollution
25 Prevention Plan (SWPPP) Report and the Temporary Erosion and Sediment Control
26 (TESC) Plan Sheet. The ESC Lead shall maintain, for the life of the contract, a current
27 Certified Erosion and Sediment Control Lead (CESCL) certificate or maintain a current
28 Certified Professional in Erosion and Sediment Control (CPESC) certificate from a
29 course approved by the Washington State Department of Ecology. The CESCL or
30 CPESC shall be listed on the Emergency Contact List required under Section 1-
31 05.13(1).

32
33 The CESCL or CPESC shall direct implementation of the measures identified in the
34 SWPPP and as shown on the TESC plan. Implementation shall include, but is not limited
35 to the following:

- 36 1. Installing and maintaining all temporary erosion and sediment control Best
37 Management Practices (BMPs) included in the SWPPP and as shown on the
38 TESC plan. Damaged or inadequate BMPs shall be corrected as needed to
39 assure continued performance of their intended function in accordance with
40 BMP specifications and Permit requirements.
- 41 2. Performing monitoring as required by the NPDES Construction Stormwater
42 General Permit.
- 43 3. Inspecting all on-site erosion and sediment control BMPs at least once every
44 calendar week and within 24 hours of any discharge from the site. A SWPPP
45 Inspection report or form shall be prepared for each inspection and shall be
46 included in the SWPPP file. A copy of each SWPPP Inspection report or form
47 shall be submitted to the Engineer no later than the end of the next working
48 day following the inspection. The report or form shall include, but not be
49 limited to the following:
 - 50 a. When, where, and how BMPs were installed, maintained, modified,
51 and removed.

- 1 b. Observations of BMP effectiveness and proper placement.
- 2 c. Recommendations for improving future BMP performance with
- 3 upgraded or replacement BMPs when inspections reveal SWPPP
- 4 inadequacies.
- 5 d. Approximate amount of precipitation since last inspection and when
- 6 last inspection was performed.
- 7 4. Updating and maintaining a SWPPP file on site that includes, but is not
- 8 limited to the following:
 - 9 a. SWPPP Inspection Reports or Forms.
 - 10 b. SWPPP narrative.
 - 11 c. National Pollutant Discharge Elimination System Construction
 - 12 Stormwater General Permit (Notice of Intent).
 - 13 d. All documentation and correspondence related to the NPDES
 - 14 Construction Stormwater General Permit.
 - 15 e. Other applicable permits.
- 16

17 Upon request, the file shall be provided to the Engineer for review.

18 **8-01.3(2) Seeding, Fertilizing, and Mulching**

19 *The following sections are deleted in their entirety:*

- 20 8-01.3(2)A1 Seeding
- 21 8-01.3(2)B Seeding and Fertilizing
- 22 8-01.3(2)D Mulching
- 23 8-01.3(2)E Trackifiers
- 24
- 25

26 **8-01.3(8) Street Cleaning**

27 *The third paragraph is revised to read:*

- 28
- 29 Street washing with water shall not be permitted.
- 30

31 **8-01.3(9)D Inlet Protection**

32 *Replace the third paragraph of this section with the following:*

- 33
- 34 When the depth of accumulated sediment and debris reaches approximately 1/3 the
- 35 height of an internal device or 1/3 the height of the external device (or less when so
- 36 specified by the manufacturer), or as designated by the Engineer, the sediment and
- 37 debris shall be removed and disposed of per SWMM BMP C220 or as specified on the
- 38 Plans or within the SWPPP.
- 39

40 *The section is supplemented with the following:*

- 41
- 42 Only bag-type filters are allowed for use in the public right of way.
- 43

44 **8-01.3(10) Wattles**

45 *The fifth and sixth sentences are revised to read:*

- 46
- 47 On gradually sloped or clay-type soils trenches shall be 3 to 5 inches deep. On loose
- 48 soils, in high rainfall areas, or on steep slopes, trenches shall be 3 to 5 inches deep, or
- 49 ½ to 2/3 the thickness of the wattle.
- 50

51 *Add the following new sections:*

1 **8-01.4(1) Lump Sum Bid for Project (No Unit Items)**

2
3 When the bid Proposal contains the item “Erosion/Water Pollution Control”, there will be
4 no measurement of unit items for Work defined by Section 8-01.4 except as described in
5 Section 8-01.4(2).
6

7 **8-01.5 Payment**

8 *This section is supplemented with the following:*
9

10 Where removal of erosion control BMPs is directed by the Engineer according to 8-
11 01.3(16) or according to these specification and the plans, removal shall be included in
12 the lump sum or unit cost for these respective BMPs.
13

14 “NPDES Construction Stormwater General Permit”, per lump sum. The lump sum
15 contract price for “NPDES Construction Stormwater General Permit” shall be full pay for
16 all costs, including but not limited to, transfer of coverage, sampling, monitoring,
17 reporting, coordinating, inspecting, materials and labor, and all fees and any other
18 expenses necessary to fully comply with the requirements of the Permit up to and
19 including termination of the Permit and completion of the Work. The lump sum price shall
20 also include all costs necessary to supply the City of Tacoma with all information as
21 necessary to ensure compliance with the permit.
22

23 “Erosion Control and Water Pollution Prevention”, per lump sum.
24

25 “Stormwater Pollution Prevention Plan (SWPPP)”, per lump sum.
26

27 The lump sum contract price for “SWPPP” shall be full pay for all costs associated with
28 maintaining the proposed temporary erosion control BMPs as noted on the plans. The
29 lump sum price shall also include all costs necessary to supply the City of Tacoma with
30 all information necessary to ensure compliance with City standards.
31

32
33 **END OF SECTION**

1 **8-02 ROADSIDE RESTORATION**
2 **(March 31, 2014 Tacoma GSP)**

3
4 **8-02.1 Description**

5 *The first paragraph of Section 8-02.1 is revised to read:*

6
7 This work shall consist of installing tree protection and all soil amendment required to
8 BMP L613, furnishing and placing topsoil, mulch, seeding, planting, controlling weeds
9 and pests, fertilizing, and performing lawn establishment activities, in accordance with
10 these Specifications and as shown in the Plans or as directed by the Project Engineer.

11
12 Soil quality BMP L613 applies to the project. If a conflict occurs between these Special
13 Provisions and BMP L613, BMP L613 shall govern.

14
15 *The fourth list item is deleted.*

16
17 **8-02.2 Materials**

18 *The following list is revised to read:*

19
20 Materials shall meet the requirements of the following sections:

21 Soil Mix 1 9-14.1(1)

22 Fertilizer 9-14.3

23 Mulch and Amendments 9-14.4 and as shown on the plans

24 Erosion Control Blanket 9-14.5

25 Plant Materials 9-14.6 and as shown on the plans

26 Stakes, Guys, and Wrapping 9-14.7

27 Irrigation Water 9-24.2

28 Root Barrier 9-14.8 and as shown on the plans

29 Decorative Gravel – Size shall be 3/8-inch clean washed, naturally occurring
30 angular aggregates. Color: “Chinook Brown”; colors shall be an even
31 distribution of sienna, light tan, amber with tints of rust to match control
32 sample.

33 Geotextile will be placed between decorative gravel and underlying soil.

34 Tree Watering Bag System 9-14.10

35 Tree Protection as shown on the plans

36 Seeding 8-02.3(16)

37
38 **8-02.3 Construction Requirements**

39 *This section is supplemented with the following:*

40
41 All grades shall be maintained in the areas to be planted in a true and even condition.
42 The contractor shall be careful not to disturb any of the existing or cut slopes. Where
43 final grades have not been established, the areas shall be finish graded and all surfaces
44 left in an even and compacted condition. The finished grade shall be such that, after soil
45 amendment and seeing, the grade shall be flush with adjoining surfaces; positive
46 drainage shall also be maintained.

47
48 **8-02.3(4) Topsoil**

49 *The first paragraph is deleted and replaced with the following:*

50
51 Imported topsoil shall be spread evenly over all unpaved and/or vegetated areas to a
52 depth of 6 inches. Subgrade shall be scarified to a depth of 6-inches below finished
53 grade and all rocks in excess of 1 inch removed prior to topsoil placement. The

1 Contractor shall not proceed with topsoil operations until the scarified subgrades have
2 been accepted/approved by the Project Engineer. After the topsoil has been spread, all
3 large clods, hard lumps, rocks 1/2 inch in diameter and larger, and litter shall be raked
4 up, removed, and disposed of by the Contractor. Refer to Soil Mix a per 9-14.1(1).
5

6 Imported topsoil for planting and lawn areas shall be installed as described in City of
7 Tacoma Standard Plan No. GSI-01d and as shown on the plans. GSI-01d is for BMP
8 L613, Post Construction Soil Quality and Depth, and this best management practice is
9 required for all disturbed areas that will be pervious under proposed conditions.

10 Required seeding is included as incidental to all topsoil. Refer to section 8-02.3(10) for
11 fertilization requirements. Refer to Soil Amendments per 8-02.3(6).
12

13 *The second paragraph is deleted.*
14

15 **8-02.3(4)A Topsoil Type A**

16 *This section is replaced in its entirety with the following:*
17

18 Topsoil Type A shall meet the requirements of Section 9.14.1(1).
19

20 **8-02.3(4)B Topsoil Type B**

21 *This section is deleted.*
22

23 **8-02.3(4)C Topsoil Type C**

24 *This section is deleted.*
25

26 **8-02.3(5) Planting Area Preparation**

27 *The third paragraph is revised to read:*
28

29 The areas shall be brought to a uniform finished grade, 3 inches below walks, curbs,
30 junction,
31 valve boxes, and catch basins, or the specified depth of mulch, unless otherwise
32 specified. All
33 excess material and debris, stumps, and rocks larger than 1 inch shall be removed and
34 disposed of off the project site or as approved by the Project Engineer.
35

36 *This section is supplemented with the following:*
37

38 All grades shall be maintained in the areas to be planted in a true and even condition.
39 The
40 contractor shall be careful not to disturb any of the existing or cut slopes. Where final
41 grades
42 have not been established, the areas shall be finish graded and all surfaces left in an
43 even and compacted condition. The finished grade shall be such that, after planting, the
44 grade shall be
45 flush with adjoining surfaces; positive drainage shall also be maintained.
46

47 **8-02.3(6) Soil Amendments**

48 *This section is supplemented with the following:*
49

50 Recycled/compost material in accordance with Section 9-14.4(8) shall be blended with
51 recycled/compost material at a 1/1 ratio by volume.
52

1 BMP L613, Post Construction Soil Quality and Depth is required for all disturbed areas
2 that will be pervious under proposed conditions. All improvements associated with BMP
3 L613, as shown on the plans and City of Tacoma Standard Plan No. GSI-01d, are
4 incidental to Soil Amendments. This includes all planting and lawn area mulch, seeding
5 and fertilization, topsoil, and scarified subsoil.

6
7 **8-02.3(9) Pruning, Staking, Guying and Wrapping**

8 *This section is supplemented with the following:*

9
10 Crossed or rubbing branches shall be removed, provided the natural shape of the tree is
11 preserved. Under no circumstances shall pruning be done prior to inspection and
12 approval of plants by the Engineer. All cuts shall be made flush with the parent stem,
13 leaving no stubs. Pruning cuts shall be made in a manner to favor the earliest possible
14 covering of the wound by callus growth. Cuts that produce large wounds and weaken
15 the tree will not be acceptable.

16
17 Top growth removal to compensate for root loss shall not exceed one-third (1/3) of the
18 top growth unless otherwise specified or directed by the Engineer. Cuts created 3/4 inch
19 in diameter shall be treated with an approved tree wound dressing. All pruning shall
20 produce a clean cut without bruising or tearing the bark and shall be in living wood
21 where the wood can properly heal over.

22
23 Evergreens shall not be pruned, except to remove injured branches. The use of pole
24 shears and/or hedge shears for pruning deciduous and evergreen trees will not be
25 permitted. All trimmings and other debris left over from the planting operations shall be
26 collected and disposed of off the site.

27
28 All evergreen trees and deciduous trees over 15 feet in height shall be guyed with three
29 wires or cables.

30
31 All deciduous and evergreen trees shall be staked the same day of planting.

32
33 **8-02.3(10) Fertilizers**

34 *This section is supplemented with the following:*

35
36 Fertilizer shall be supplied and applied in the form and rates indicated below:

37

Type of Fertilizer	Application Rate
Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium.	1 lb./1,000 square feet of actual nitrogen, 4 percent phosphorous, and 2 percent potassium by weight at the rate recommended by the topsoil analysis.
Granular or pelleted slow-release fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium.	Slow-release fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium at the rate recommended by the topsoil analysis.

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1 **8-02.3(11) Bark or Wood Chip Mulch**

2 *The third sentence of the first paragraph is revised to read:*

3
4 Mulch shall be feathered to plant material trunks, stems, canes, or root collars, and level
5 with the top of junction and valve boxes, curbs, and pavement edges.

6
7 *This section is supplemented with the following:*

8
9 Bark or wood chip mulch in accordance with Section 9-14.4(3) shall be applied to a
10 depth of 3 inches at the location indicated on the Plans or as directed by the Engineer.

11
12 **8-02.3(13) Plant Establishment**

13 *This section is revised to read:*

14
15 The Contractor shall maintain the planting areas and all plants planted within the project
16 limits to ensure the resumption and continued growth of the planted material until
17 physical completion of the contract.

18
19 Maintenance shall include, but not be limited to, labor and materials necessary for
20 removal of foreign, dead, or rejected plant material, maintaining a weed-free condition,
21 and the replacement of all unsatisfactory plant material planted under the contract.

22
23 Planting dates for replacement plant material will be approved by the Engineer.

24
25 The Contractor shall meet with the Engineer for the purpose of joint inspection of the
26 project once installation has been completed and thereafter on a periodic "as needed"
27 basis as determined by the Engineer, until the physical completion date of the contract.

28
29 All conditions unsatisfactory to the Engineer shall be corrected by the Contractor within a
30 ten-day period immediately following the inspection. Failure to comply with corrective
31 steps as outlined by the Engineer shall constitute justification of the Contracting Agency
32 to take corrective steps and to deduct all costs thereof from any monies due the
33 Contractor.

34
35 The Contractor shall replace all plants stolen or damaged by the acts of others until the
36 physical completion date of the contract.

37
38 **8-02.3(14) Plant Replacement**

39 *This section is revised to read:*

40
41 The Contractor shall provide the Contracting Agency a one (1) year non pro-rated, full
42 labor and materials warranty for all planted material. The warranty shall cause the
43 Contractor to remove and replace all rejected plant material during the warranty period.
44 The warranty period shall begin at the date of physical completion of the contract and
45 end one calendar year from that date.

46
47 The Contractor shall be responsible for growing or providing enough plants for
48 replacement of all plant material rejected during the warranty period. All rejected plant
49 material shall be replaced at dates approved by the Engineer.

50
51 All replacement plants shall be of the same species and quality as the plants they
52 replace. Plants may vary in size reflecting one season of growth should the Contractor

1 elect to hold plant material under nursery conditions for an additional year to serve as
2 replacement plants.

3
4 Replacement plants will be subject to the original warranty provision as stated above.

5
6 **8-02.3(15) Live Fascines**

7 *This section is deleted.*

8
9 **8-02.3(16) Lawn Installation**

10
11 **8-02.3(16)A Lawn Installation**

12 *The second paragraph is revised to read:*

13
14 All seeding areas shall be seeded with the following mix:

15

Type of Seed	% by Weight
Dwarf Tall Fescue (several varieties)	45
Dwarf Perennial Rye (Barclay)	30
Red Fescue	20
Colonial Bentgrass	5

16
17 Low-Growing Turf Seed Mix per the City of Tacoma Surface Water Design Manual,
18 Volume 2, Chapter 3, Section 3.1.8, BMP C 120, Table 2-3. The rate of application shall
19 be per seed supplier recommendation of BMP C 120.

20
21 *The third paragraph is supplemented with the following:*

22
23 Where no irrigation system is to be installed, the lawn shall be placed during the
24 following period only:

25
26 March 1st – June 30th
27 September 1st – October 25th

28
29 *The fifth paragraph is supplemented with the following:*

30
31 Topsoil shall be placed to a depth of 8 inches. Subsoils shall be scarified to a minimum
32 depth of 4 inches. See City of Tacoma BMP L613.

33
34 *The sixth paragraph is supplemented with the following:*

35
36 On sloped areas, the sod strips shall be laid perpendicular to the flow of water.

37
38 **8-02.3(16)B Lawn Establishment**

39 *This section is supplemented with the following:*

40
41 Lawn that is replaced shall be of the same mixture and grade as the surviving lawn.

42
43 *Section 8-02.3 is supplemented with the following:*

44
45 **8-02.4 Measurement**

46 *The seventh, eighth, and ninth paragraph pertaining to partial payment are deleted.*

47
48 *The pay unit of square yards will be used in lieu of acres.*

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This section is supplemented with the following:

Roadside Restoration will be measured per lump sum.

Irrigation water used to establish vegetation will be considered included in the cost of lawn establishment.

Tree protection will be measured per each for each tree shown within the working limits of the Plans per City of Tacoma Standard Plan No. LS-08 and LS-09.

8-02.5 Payment

This section is supplemented with the following:

“Roadside Restoration,” per lump sum shall, be full pay for all soil amendment, lawn establishment, restoration of existing gravel areas, and all other restoration and landscape establishment related activities found within the working limits as defined by the Plans.

“Tree Protection,” per each shall be full pay for tree protection fencing per City of Tacoma Standard Plan No. LS-08 and LS-09 for all existing trees to remain found within the working limits as defined by the Plans. When there is not adequate space to provide tree protection fencing per City of Tacoma standards, fencing shall be placed as directed by the Certified Arborist or as directed by the Engineer.

END OF SECTION

1 **8-04 CURBS, GUTTERS, AND SPILLWAYS**
2 **(March 1, 2004 Tacoma GSP)**

3
4 **8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

5 *The first paragraph is revised to read:*

6
7 Cement concrete curb, curb and gutters, gutters, and spillways shall be constructed with
8 air entrained concrete Class 3000 conforming to the requirements of Section 6-02.

9
10 *Section 8-04.3 Construction Requirements is supplemented with the following:*

11
12 **8-04.3(1)B Integral Cement Concrete Curb**

13
14 When integral curb is being constructed with the pavement, fresh concrete for the
15 integral curb shall be placed at such time as will enable the top section of the curb to be
16 consolidated, finishing, and bonded to the pavement slab while the concrete is plastic.

17
18 Where curb is not being placed integral with the pavement slab, reinforcing steel dowels
19 shall be placed in the same section for the curb in accordance with the standard
20 drawing.

21
22 **8-04.3(6) Cold Weather Work**

23
24 The following additional requirements for placing concrete shall be in effect from
25 25 November 1 to April 1:

- 26 • The Engineer shall be notified at least 24 hours prior to placement of concrete.
- 27 • The contractor must submit a "Cold Weather Work Plan" for approval of concrete
28 pavement in cold temperatures.
- 29 • All concrete placement shall be completed no later than 2:00 p.m. each day.
- 30 • Where forms have been placed and the subgrade has been subjected to frost, no
31 concrete shall be placed until the ground is completely thawed. At that time, the
32 forms shall be adjusted and subgrade repaired as determined by the Engineer.

33
34 **8-04.5 Payment**

35 *The following text supplements the "Cement Conc. Traffic Curb and Gutter" payment*
36 *item:*

37
38 Payment for "Cement Conc. Traffic Curb and Gutter" shall be full pay for all materials,
39 labor, tools, equipment, and supplies necessary for the installation of Cement Concrete
40 Traffic Curb and Gutter per City of Tacoma Standard Plan No. SU-03.

41
42 *The following text supplements the "Cement Conc. Traffic Curb" payment item:*

43
44 Payment for "Cement Conc. Traffic Curb" shall be full pay for all materials, labor, tools,
45 equipment, and supplies necessary for the installation of Cement Concrete Traffic Curb
46 per City of Tacoma Standard Plan No. SU-03A.

47
48 *The following text supplements the "Cement Conc. Traffic Curb and Gutter" payment*
49 *item:*

50
51 Payment for "Cement Conc. Pedestrian Curb" shall be full pay for all materials, labor,
52 tools, equipment, and supplies necessary for the installation of Cement Concrete
53 Pedestrian Curb per City of Tacoma Standard Plan No. SU-03A.

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The section is supplemented with the following:

"Type 'C' Mountable Cement Concrete Curb", per linear foot.

Payment for "Type 'C' Mountable Cement Concrete Curb" shall be full pay for all materials, labor, tools, equipment, and supplies necessary for the installation of Type "C" Mountable Cement Concrete Curb per City of Tacoma Standard Plan No. SU-03. This proposed curbing is not proposed within a proposed flowline and shall be constructed without the 12" gutter shown on SU-03.

"Type 'D' Mountable Cement Concrete Curb", per linear foot.

Payment for "Type 'D' Mountable Cement Concrete Curb" shall be full pay for all materials, labor, tools, equipment, and supplies necessary for the installation of Type "D" Mountable Cement Concrete Curb per City of Tacoma Standard Plan No. SU-03. This proposed curbing is not proposed within a proposed flowline and shall be constructed without the 12" gutter shown on SU-03.

END OF SECTION

1 **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**
2 **(March 3, 2008 Tacoma GSP)**

3
4 **8-06.3 Construction Requirements**

5 *The first paragraph is revised to read:*

6
7 Cement concrete driveway approaches shall be constructed with air entrained concrete
8 Class 3000 conforming to the requirements of Section 6-02 or Portland Cement
9 Concrete Pavement conforming to the requirements of Section 5-05 and meet the
10 requirements of City of Tacoma Standard Plans SU-07 and SU-07C.

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
17 November 1 to April 1:

- 18 • The Engineer shall be notified at least 24 hours prior to placement of concrete.
- 19 • All concrete placement shall be completed no later than 2:00 p.m. each day.
- 20 • Where forms have been placed and the subgrade has been subjected to frost, no
21 concrete shall be placed until the ground is completely thawed. At that time, the
22 forms shall be adjusted and subgrade repaired as determined by the Engineer.

23
24 **8-06.5 Payment**

25 *The third paragraph is revised to read:*

26
27 Excavation required for the construction of the driveway entrance shall be paid for under
28 the unit contract price for "Roadway Excavation, Incl. Haul" when included in the
29 proposal. Otherwise, the Contractor shall include all costs associated with excavating,
30 including haul and disposal, regardless of the depth in the unit contract price for "Cement
31 Conc. Driveway Entrance Type 3".

32
33
34 **END OF SECTION**

1 **8-13 MONUMENT CASES**
2 **(March 17, 2003 Tacoma GSP)**

3
4 *This section is revised to read:*

5
6 **8-13 Monuments**

7
8 **8-13.1 Description**

9
10 This work shall consist of construction monuments in accordance with the Standard Plan
11 and these Specifications, in conformity with the lines and locations as staked by the City
12 of Tacoma survey crew.

13
14 **8-13.2 Materials**

15
16 Concrete shall be Class 3000 in accordance with the requirements of Section 6-02.
17 'Ready Mix' bag concrete shall not be used.

18
19 Bronze markers will be supplied by the Contracting Agency on City funded projects.

20
21 **8-13.3 Construction Requirements**

22
23 The Contractor shall construct the poured monument in accordance with the City of
24 Tacoma Standard Plan SU-01.

25
26 **8-13.4 Measurement**

27
28 Measurement of the poured monument will be per each.

29
30 **8-13.5 Payment**

31
32 Payment will be made in accordance with Section 1-04.1.

33
34 "Poured Monument", per each.

35
36 The unit contract price per each for "Poured Monument" shall be full pay for all labor,
37 equipment, and materials required to furnish and install the monument, including the
38 removal of existing monuments and necessary pavement removal to accommodate the
39 installation in accordance with the standard plan and specifications.

40
41
42 **END OF SECTION**

1 **8-14 CEMENT CONCRETE SIDEWALKS**
2 **(March 23, 2010 Tacoma GSP)**

3
4 **8-14.3 Construction Requirements**

5
6 **8-14.3(3) Placing and Finishing Concrete**

7 *The fourth paragraph is revised to read:*

8
9 Curb ramps shall be of the type specified in the Plans. The detectable warning pattern
10 shall have the truncated dome shape shown in the Standard Plans.

11
12 **8-14.3(4) Curing**

13 *The second sentence is revised to read:*

14
15 Curing shall be in accordance with Section 5-05.3(13).

16
17 **8-14.3(5) Detectable Warning Surface**

18
19 **8-14.3(5)A General**

20 *This section is supplemented with the following:*

21
22 Detectable Warning Surfaces shall be either cast-in-place from Armor Tile, ADA
23 Solutions, or an approved equal or surface applied from Vanguard or an approved equal
24 as noted on City of Tacoma Standard Plan No. SU-05G unless otherwise noted on the
25 plans. In locations where an existing utility is located under proposed detectable warning
26 surfaces, bolt down detectable warning surfaces may be used. Product information must
27 be submitted to the Engineer for approval prior to purchase.

28
29 *Section 8-14 is supplemented with the following:*

30
31 **8-14.3(20) Cold Weather Work**

32
33 The following additional requirements for placing concrete shall be in effect from
34 November 1 to April 1:

- 35 • The Engineer shall be notified at least 24 hours prior to placement of concrete.
- 36 • The contractor must submit a "Cold Weather Work Plan" for approval of concrete
37 pavement in cold temperatures.
- 38 • All concrete placement shall be completed no later than 2:00 p.m. each day.
- 39 • Where forms have been placed and the subgrade has been subjected to frost, no
40 concrete shall be placed until the ground is completely thawed. At that time, the
41 forms shall be adjusted and subgrade repaired as determined by the Engineer.

42
43 **8-14.3(21) Thickened Edge for Sidewalk**

44
45 Thickened edge shall be constructed in accordance with the standard plan.

46
47 **8-14.5 Payment**

48 *The pay item "Cement Conc. Sidewalk" is supplemented with the following:*

49
50 All additional costs related to the construction of thickened edges shall be included in the
51 unit contract cost for "Cement Conc. Sidewalk".

52
53 *The pay item "Cement Conc. Curb Ramp Type ____" is supplemented with the following:*

1
2 All additional costs related to the construction of thickened edges, wings, flares,
3 landings, pedestrian curbs, and detectable warning shall be included in the unit contract
4 cost for "Cement Conc. Curb Ramp Type ____".

5
6 *This section is supplemented with the following:*

7
8 "Reinforced Cement Conc. Sidewalk", per square foot.

9
10 Traffic islands and pedestrian medians proposed will require reinforcing in addition to the
11 typical City of Tacoma sidewalk requirements. All additional costs related to the
12 construction of the Typical Traffic Island Section View found on the Plans shall be
13 included in the unit contract cost for "Reinforced Cement Conc. Sidewalk".

14
15 "Cement Conc. Bike Ramp", per each.

16
17 All additional costs related to the construction of thickened edges, wings, flares, and
18 pedestrian curbs shall be included in the unit contract cost for "Cement Conc. Bike
19 Ramp".

20
21 *The sixth paragraph is revised to read:*

22
23 Excavation required for the construction of the sidewalk shall be paid for under the unit
24 contract price for "Roadway Excavation, Incl. Haul" when included in the proposal.
25 Otherwise, the Contractor shall include all costs associated with excavating, including
26 haul and disposal, regardless of the depth in the unit contract price for "Cement Conc.
27 Sidewalk" and/or "Cement Conc. Curb Ramp Type ____"

28
29 *The pay item "Detectable Warning Surface" is revised to read:*

30
31 "Detectable Warning Surface", per square foot.

32
33 The unit Contract price per square foot of "Detectable Warning Surface", shall be full pay
34 for all detectable warning surfaces no included in the "Cement Conc. Curb Ramp" bid
35 item.

36
37 **END OF SECTION**

1 **8-17 IMPACT ATTENUATOR SYSTEMS**

2
3 **8-17.1 Description**

4 *This section is revised to read:*

5
6 This Work consists of furnishing and constructing permanent and temporary impact
7 attenuator systems per the Plan.

8
9 **8-17.2 Materials**

10 *This section is revised to read:*

11
12 New bollards shall be Fixed Bollards per City of Tacoma Standard Plan No. SU-12.

13
14 **8-17.3 Construction Requirements**

15 *This section is revised to read:*

16
17 The assembly and installation of all bollards shall meet the requirements outlined in City
18 of Tacoma Standard Plan No. SU-12.

19
20 **8-17.4 Measurement**

21 *This section is revised to read:*

22
23 Bollards shall be measured per each.

24
25 **8-17.5 Payment**

26 *This section is revised to read:*

27
28 “Fixed Bollard”, per each.

29
30 The unit Contract price for “Fixed Bollard” shall be full pay for all Work associated with
31 the installation of the proposed bollard as shown on the Plans and City of Tacoma
32 Standard Plan No. SU-12.

33
34
35 **END OF SECTION**

1 **8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT**
2 **TRANSPORTATION SYSTEMS, AND ELECTRICAL**
3 **(August 24, 2023Tacoma 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
9 Power. All work on the load side of the service will be inspected by the Signal and
10 Streetlight Shop 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
16 section for satisfactory in-service operation for one year following project acceptance.
17 Warranty shall include troubleshooting, labor, materials, and all other costs to bring the
18 equipment to a satisfactory level of service. Normal maintenance is not included in the
19 warranty.
20

21 **8-20.2(1) Equipment List and Drawings**

22 *This section is revised to read:*
23

24 Within 20 days following execution of the Contract, the Contractor shall submit to the
25 Engineer a completed "Request for Approval of Material" that describes the material
26 proposed for use to fulfill the Plans and Specifications.
27

28 The Contractor shall submit Type 2 Working Drawings consisting of supplemental data,
29 sample articles, or both, of the material proposed for use. Supplemental data includes
30 such items as catalog cuts, product Specifications, shop drawings, wiring diagrams, etc.
31

32 The Contractor shall submit Type 2 Working Drawings consisting of the following
33 information for 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
38 each light distribution type. This requires that the Contracting Agency know what
39 the light pattern available are and the light distribution.
40

41 Additional submittals for proposed alternate LED Roadway Luminaires shall be in
42 conformance with Section 9-29.10.
43

44 The Contractor shall submit for approval Type 3E Working Drawings in accordance with
45 Section 1-05.3 for each type of light standard and each type of signal standard called for
46 on this project.
47

48 The Engineer's acceptance of any submitted documentation shall in no way relieve the
49 Contractor from compliance with the safety and performance requirements as specified
50 herein.
51
52
53

1 Submittals required shall include but not be limited to the following:

- 2
- 3 1. A Type 2 Working Drawing consisting of a material staging plan, should the
- 4 Contractor propose Contracting Agency-owned property for staging areas.
- 5 2. A Type 2 Working Drawing consisting of a cable vault installation plan showing
- 6 the exact proposed installation location by Roadway station, offset and the
- 7 scheduled sequence for each cable vault installation.
- 8 3. A Type 2E Working Drawing consisting of a pit plan, for each boring pit, depicting
- 9 the protection of traffic and pedestrians, pit dimensions, shoring, bracing, struts,
- 10 walers, sheet piles, conduit skids, and means of attachment, casing type, and
- 11 casing size.
- 12 4. A Type 2E Working Drawing consisting of a boring plan depicting the boring
- 13 system and entire support system.
- 14

15 **Rapid Flashing Beacons**

16 Rapid Flashing Beacon (RFB) indications shall comply with the dimensional, operational,
17 and flash pattern requirements of Federal Highway Administration (FHWA) Interim
18 Approval 21 (IA-21, Conditions 4, 5, and 6, excluding Condition 5f. RFB systems shall
19 be capable of providing, at a minimum, the following two-channel flashing patterns:

20
21 NEMA Standard 50-50:

- 22
- 23 • Channel one is ON and channel two is OFF for 0.5 seconds.
- 24 • Channel one is OFF and channel two is ON for 0.5 seconds.
- 25 (Cycle repeats; the total flashing pattern cycle length is 1.00 second.)
- 26

27 RFB “WW+S” Pattern (IA-21 Condition 5b):

- 28
- 29 • Channel one is ON and channel two is OFF for 0.05 seconds.
- 30 • Both channels are OFF for 0.05 seconds.
- 31 • Channel one is OFF and channel two is ON for 0.05 seconds.
- 32 • Both channels are OFF for 0.05 seconds.
- 33 • Channel one is ON and channel two is OFF for 0.05 seconds.
- 34 • Both channels are OFF for 0.05 seconds.
- 35 • Channel one is OFF and channel two is ON for 0.05 seconds.
- 36 • Both channels are OFF for 0.05 seconds.
- 37 • Both channels are ON for 0.05 seconds.
- 38 • Both channels are OFF for 0.05 seconds.
- 39 • Both channels are ON for 0.05 seconds.
- 40 • Both channels are OFF for 0.25 seconds.
- 41 (Cycle repeats; the total flashing pattern cycle length is 0.80 seconds.)
- 42

43 The flashing pattern shall be user-selectable in the field.

44
45 RFB system pushbuttons shall not include tactile arrows, speech messages, or
46 vibrotactile indications. RFB system pushbuttons shall use a 9” x 12” R10-25 sign. The
47 R10-25 sign may include integral yellow warning lights.

48 49 **8-20.3 Construction Requirements**

50
51
52

1 **8-20.3(1) General**

2 *This section is supplemented with the following:*

3
4 The Contractor shall call 24 hours prior for inspection before covering any underground
5 conduit, prior to installing any detection loops, or placing concrete for foundations. For
6 inspections, notify Traffic Signal/Streetlighting at (253) 591-5287.

7
8 Work shall be sequenced such that after the new signal is placed in operation, the
9 Contractor shall remove any equipment not required for the operation of the new signal.
10 The Contractor shall remove the old vehicle and pedestrian signal heads immediately
11 after the new system is operational.

12
13 For new signals, the contractor shall provide a Portable Message Change Sign (PMCS)
14 in each direction, and operate the PMCS for one week before and one week after
15 activating the new signal. This work shall be paid for in accordance with Section 1-10.

16
17 Off duty police officers shall be provided by the Contractor to direct traffic at any time the
18 signal is not in normal operation. This work shall be paid for in accordance with Section
19 1-10.

20 The following existing and temporary equipment shall be deconstructed/removed by the
21 Contractor and delivered to the City of Tacoma Signal/Streetlight Shop located at 3401A
22 South Orchard Street. Care shall be exercised in removing and salvaging the
23 equipment. Any equipment damaged during removal, hauling, and stockpiling shall be
24 repaired or replaced by the Contractor at no expense to the City.

- 25
- 26 • All signal heads and mounting hardware.
 - 27 • Flashing beacons and flasher control pane.
 - 28 • Steel poles, mast arms, and hardware.
 - 29 • Aluminum poles, mast arms, and hardware.
 - 30 • Controller cabinets and all internal hardware and wiring.
 - 31 • Vehicle detection systems, including video, microwave, and infrared systems,
32 and associated hardware.
 - 33 • All Opticom equipment or other preemption and priority equipment.
 - 34 • LED luminaries, LED retrofit kits, and LED lamps
 - 35 • Ornamental/decorative fixtures and poles/posts.
 - 36 • Pedestrian signals, poles, and pushbuttons.
 - 37 • Signs, brackets, and hardware.
 - 38 • Locking junction box security lids, security bolts, and all other wire theft deterrent
39 security hardware.

40
41 All other equipment shall be removed and disposed of by the Contractor, including, but
42 not limited to, the following:

- 43
- 44 • Wood poles.
 - 45 • All wiring outside of the controller cabinet.
 - 46 • Loops.
 - 47 • Non-LED cobra-head fixtures and GE shells (minus power door).
- 48
49
50
51
52

1 **8-20.3(4) Foundations**

2 *This section is supplemented with the following:*

3
4 Breakaway Base Connection brackets for pedestrian pushbutton poles (Type PPB) shall
5 be installed with the flanges parallel to the traveled way, as shown on WSDOT standard
6 plan J-20.15-03.

7
8 Anchor bolts for streetlight standards and for strain poles shall extend a minimum of two
9 threads and a maximum of six threads above the top heavy-hex-nut. A minimum of
10 three threads shall remain between bottom of the leveling hex-nut and the top of the
11 foundation.

12
13 Foundations shall be excavated using an auger and poured against undisturbed material
14 unless otherwise approved by the Engineer. Vacuum excavation should be used where
15 there is a possibility of conflict with utilities or other facilities.

16
17 Forming the foundation with galvanized culvert pipe or similar forming methods will only
18 be allowed when soil conditions or other factors make this method of construction
19 necessary and is approved by the Engineer. Biodegradable forming tubes shall be fully
20 removed from the cured concrete prior to backfilling. When using culvert or tubes, the
21 following backfill requirements will apply. The area between the form and undisturbed
22 material shall be filled with CDF. For lightly loaded installations and only with the
23 approval of the Engineer, Crushed Surfacing Top Course meeting the requirements of
24 Section 9-03.9(3) may be used. Placement shall be in accordance with Section 2-
25 09.3(1)E and shall be backfilled and compacted in the presence of the Engineer.

26
27 **8-20.3(5) Conduit**

28
29 **8-20.3(5)A General**

30 *This section is supplemented with the following:*

31
32 Unless otherwise specified in the plans and specifications, standard conduit sizes shall
33 be as follows:

- 34
- 35 • Underground Streetlight Conduit: 2 inch diameter
 - 36 • Pole Riser Service Installations: 1-1/2 inch diameter
 - 37 • Traffic Signal Conduit: 3 inch diameter
 - 38 • Traffic Signal Communication: 3 inch diameter
 - 39 • All other conduit: 2 inch diameter, unless otherwise specified.
- 40

41 As soon as the mandrel has been pulled through, both ends of the conduit shall be
42 sealed in an approved manner. A minimum size #14 AWG insulated solid copper wire
43 pull line shall be installed in all empty conduits. At least 3 feet of the copper wire pull line
44 shall be neatly coiled and secured to the conduit in the same manner as is shown in
45 Washington State Department of Transportation Standard Plan J-28.70-01, 14 Details A
46 and B.

47
48 **8-20.3(5)B Conduit Type**

49 *This section is supplemented with the following:*

50
51 Conduit under driveways and other vehicular access ways shall be Schedule 80 high-
52 density polyethylene (HDPE), Schedule 80 PVC, or rigid metal conduit (RMC).

53

1 Conduit installed in a joint trench, with power, and that is installed a minimum of
2 36 inches from finished grade may utilize Schedule 40 PVC in lieu of Schedule 80 PVC.
3 This allowance shall not be construed to permit the use of dissimilar materials in a single
4 run.

5
6 Pole riser conduit material types shall be in accordance with applicable City of Tacoma
7 standard 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)E Method of Conduit Installation**

17
18 **8-20.3(5)E1 Open Trenching**

19 *Subsection 5 is revised to read:*

- 20
21 5. Trenches located within the paved roadway shall be backfilled with 3 inches
22 of sand over the conduit, followed by material meeting the requirements of
23 Section 9-03.12(3). Compaction shall be in conformance with Section 2-
24 09.3(1)E. All street cuts shall be repaired in accordance with the standard
25 plans and City of Tacoma Standard Plan No. SU-15.

26
27 *This section is supplemented with the following new Subsections:*

- 28
29 7. Where multiple conduit are installed in the same trench, the trench shall be of
30 sufficient width to accommodate all conduit with a minimum 3-inch separation
31 between each conduit, and a minimum clearance of 1 inch on the sides of the
32 trench. When conduit is laid horizontal to one another, the conduit shall be
33 laid at the same elevation, parallel with one another. When conduit is laid
34 vertically in the same trench, conduit spacers shall be used to maintain the 3-
35 inch separation. Spacers shall be installed in accordance with the
36 manufacturer's recommendations for conduit of that size and type. Additional
37 spacers shall be required where the supported conduit is sagging more than
38 20 percent of the nominal diameter of the conduit.
- 39 8. In all conduit trenches, metallic, detectible, utility warning tape shall be placed
40 at 12-inches below final grade.

41
42 **8-20.3(6) Junction Boxes, Cable Vaults, and Pull boxes**

43 *This section is supplemented with the following:*

44
45 Unless otherwise specified in the Plans, or as otherwise directed by the Engineer, all
46 junction boxes exposed to vehicular traffic shall be Heavy-Duty. Field adjustments of
47 junction boxes causing junction boxes to be installed within an intersection radius and
48 within four feet of the curb may require Heavy-Duty junction boxes. Final placement and
49 type of all junction boxes within an intersection shall be as directed by the engineer.

50
51 Adjacent junction boxes shall be separated by a minimum of 3 inches.

52

1 Concrete meeting the requirements of 6-02.3(2)B shall be placed surrounding all
2 junction boxes, except as otherwise provided for below. Concrete shall be flush with the
3 top of the junction box and the adjacent improvements. Concrete shall be cast-in-place.
4 Junction boxes shall be secured with the concrete border as follows:

- 5
- 6 1. When the junction box is located within a concrete or asphalt section and is
7 located a minimum of 12 inches from the edge of the section, a concrete border
8 will not be required.
- 9 2. Where junction boxes are located within 12 inches from the edge of the concrete
10 or asphalt section, the junction box shall be secured on all sides with a minimum
11 12-inch wide, 6-inch deep concrete section. Concrete shall be finished in the
12 same manner as the adjacent concrete, where applicable.
- 13 3. Where junction boxes are located within a planter strip, a landscaped area, or
14 other non-hardened surface, the junction box shall be bordered on all sides with
15 a minimum 6-inch wide, 12-inch deep concrete section flush with the top of the
16 junction box.
- 17

18 When setting a new junction box on an existing streetlight circuit where no equipment
19 ground is present, a non-conductive junction box and lid shall be utilized.

20
21 All junction box lids for illumination systems shall be welded in place using two, 1-1/2
22 inch long welds on opposite corners of the junction box lid and frame. Welding shall
23 occur after inspection and testing of the illumination system and confirmation from the
24 Engineer. An Illumination System may consist of a separate illumination service or
25 circuit.

26 27 **8-20.3(7) Messenger Cable, Fittings**

28 *The second paragraph of this section is deleted.*

29
30 *This section is supplemented with the following:*

31
32 Cable ties shall be used to neatly secure the signal cable to the span wire at 10-inch
33 centers and shall be tightened at top. Excess tie material shall be completely cut off. The
34 signal control cable shall be below the span wire and shall be straight with no twisting or
35 spiraling.

36
37 A maximum 5% sag shall be provided in the span wire when fully loaded with all
38 vehicular signal heads, unless otherwise directed by the Engineer.

39 40 **8-20.3(8) Wiring**

41 *The third paragraph is revised to read:*

42
43 All splices in underground illumination circuits, induction loop circuits, and magnetometer
44 circuits shall be installed at junction boxes. The only splice allowed in an induction loop
45 circuit shall be the shielded cable to loop wire splice. The only splice allowed in a
46 magnetometer circuit shall be the probe lead-in cable to the magnetometer cable splice.

47
48 Induction loop splices and magnetometer splices shall be heat-shrink type with moisture
49 blocking material, sized for the conductors. Magnetometer and induction loop splices
50 shall be soldered. The end of the sheathing shall be sealed with a heat-shrink insulator.

1 *The fourth paragraph is revised to read:*

2
3 Signal wiring shall be in conformance with the following:

- 4
- 5 1. All termination for traffic signal control systems shall be in accordance with City
- 6 of Tacoma Standard Plan TS-15.
- 7 2. All signal wiring shall be five-conductor or two-conductor 14-gauge stranded
- 8 copper wire, unless otherwise shown in the plans.
- 9 3. For five-section and bimodal heads, 2-5c-14-gauge conductors shall be utilized.
- 10 4. 5c wire shall not be split between high voltage and low voltage. Where a
- 11 pedestrian head and a pedestrian push button share a common pole, a separate
- 12 2c shall be pulled in for the push button.
- 13 5. A single 5c may be split between two pedestrian heads on a common pole with a
- 14 jumper across the neutral.
- 15 6. Opticom and detection wiring shall be per manufacturer's recommendations.
- 16

17 All wiring entering the cabinet shall be gathered across the conduits to the right front of
18 the cabinet and neatly tied and circle the base of the cabinet counterclockwise as further
19 described below:

- 20
- 21 1. Communication cables shall circle the base of the cabinet, counterclockwise from
- 22 front right, one full circle, and around to the back of the right panel. Cables shall
- 23 follow up the back of the right panel and terminate on the terminal strip identified
- 24 by the Engineer. Unless otherwise directed by the Engineer, cable outer jacket
- 25 sheathing shall be removed from a point two (2) inches below the terminal strip.
- 26 Cables shall be uniform in length, with sufficient slack to reach any terminal on
- 27 the terminal strip. Individual wire slack shall be neatly looped back and tied. A
- 28 bolt/flanged nut alligator jaw shield bond connector shall be utilized.
- 29 2. Power service conductors shall circle the base of the cabinet, counterclockwise
- 30 from front right, one full circle, and back around to the front right of the base.
- 31 3. Detection cables shall circle the base of the cabinet, counterclockwise from front
- 32 right, to the back of the left panel. Cables shall follow up the back of the left
- 33 panel and terminate as directed in the field.
- 34 4. Vehicle and pedestrian signal head conductors shall circle the base of the
- 35 cabinet, counterclockwise from front right, to back left. Cable outer jacket
- 36 sheathing shall be removed from the point that the conductor reaches the back
- 37 left of the cabinet to the ends of the conductors. All vehicle and pedestrian signal
- 38 head conductors in the cabinets shall be uniform in length, with sufficient slack to
- 39 reach any terminal on the load bay. Individual wire slack shall be neatly looped
- 40 back and tied.
- 41 5. Pushbutton conductors shall circle the base of the cabinet, counterclockwise
- 42 from front right, to front left. Cable outer jacket sheathing shall be removed from
- 43 the point that the conductor reaches the front left of the cabinet to the ends of the
- 44 conductors. All pushbutton conductors in the cabinets shall be uniform in length,
- 45 with sufficient slack to reach any terminal on the terminal strip. Individual wire
- 46 slack shall be neatly looped back and tied.
- 47 6. Interconnect fiber cable shall circle the base of the cabinet with 50 feet of coiled
- 48 cable.
- 49

50 Field wiring of the cabinet shall be done by City of Tacoma Signal Electricians after all
51 wiring has been pulled into the cabinet and properly labeled with a temporary label
52 consisting of white electricians tape with permanent marker. The Contractor shall
53 provide a detailed description/ key of all temporary labeling. The cabinet and labeling

1 shall be inspected by the Signal/Streetlight inspector prior to cabinet wiring. The
2 Contractor shall allow five working days for City Electricians to field wire the cabinet after
3 the inspection is complete. Improper or incorrect labeling requiring additional effort by
4 the City may result in additional time required by City forces to wire the cabinet.

5
6 *The fifth paragraph is revised to read:*

7
8 Splices and taps on underground and overhead circuits shall be made with solderless
9 crimp connectors, installed with an approved tool designed for the purpose, to securely
10 join the wires both mechanically and electrically. Splices and taps will be sealed in
11 accordance with this section.

12
13 *The seventh paragraph is revised to read:*

14
15 Aerial illumination splices shall be taped with thermoplastic electrical insulating tape
16 equivalent to the original wire insulation rating and thickness. It shall be well lapped over
17 the original insulation.

18
19 *The eighth paragraph is revised to read:*

20
21 All splices in junction boxes and handholes shall be taped and sealed with an electrical
22 coating. Tape splice insulation shall consist of thermoplastic electrical insulating tape
23 equivalent to the original wire insulation rating and thickness. It shall be well lapped over
24 the original insulation and moisture resistant electrical coating shall be applied and
25 allowed to dry. Two layers of thermoplastic tape will then be applied, followed by a
26 second layer of moisture resistant electrical coating.

27
28 *The ninth paragraph is revised to read:*

29
30 Illumination cable in light standards shall be #10 AWG USE or "Pole and Bracket" cable,
31 as specified in Section 9-29.3(2)D of the Standard Specifications.

32
33 *The tenth paragraph is revised to read:*

34
35 Fifteen (15) feet of slack cable shall be provided at the controller end of all cables
36 terminating in the controller cabinet. A minimum of 3 feet of slack cable shall be left at
37 all strain poles and junction boxes.

38
39 **8-20.3(8)A Splices**

40
41 *The second and third paragraph are deleted.*

42
43 *The fifth paragraph is revised to read:*

44
45 Splices and taps on underground and overhead circuits shall be made with solderless
46 crimp connectors, installed with an approved tool designed for the purpose, to securely
47 join the wires both mechanically and electrically. Splices and taps will be sealed in
48 accordance with this section.

49
50 *The seventh paragraph is revised to read:*

51

1 Aerial illumination splices shall be taped with thermoplastic electrical insulating tape
2 equivalent to the original wire insulation rating and thickness. It shall be well lapped over
3 the original insulation.

4
5 *This section is supplemented with the following:*

6
7 All splices in junction boxes and handholes shall be taped and sealed with an electrical
8 coating. Tape splice insulation shall consist of thermoplastic electrical insulating tape
9 equivalent to the original wire insulation rating and thickness. It shall be well lapped over
10 the original insulation and moisture resistant electrical coating shall be applied and
11 allowed to dry. Two layers of thermoplastic tape will then be applied, followed by a
12 second layer of moisture resistant electrical coating.

13
14 **8-20.3(9) Bonding, Grounding**

15 *The third paragraph shall be supplemented with the following:*

16
17 Equipment grounding shall be minimum #8 AWG unless otherwise shown in the plans.
18 When the ground is pulled through a conduit, the wire shall be insulated. Color tape
19 marking shall not be acceptable for marking the ground.

20
21 **8-20.3(10) Service, Transformer, and Intelligent Transportation System (ITS)**
22 **Cabinets**

23 *The second, third, and fifth paragraphs are deleted.*

24
25 **8-20.3(11) Testing**

26
27 **8-20.3(11)B Traffic Signal System Turn-On**

28 *The fourth paragraph is revised to read:*

29
30 Unless approved by the Engineer no change to signal stop and go operation will be
31 allowed between 6:00 a.m. to 9:00 a.m. and 2:00 p.m. to 7:00 p.m. on Tuesday through
32 Thursday, nor will signal operation changes be allowed on Fridays, weekends, holidays,
33 or the day preceding a holiday. Signal operation changes will be allowed on Monday
34 with prior coordination with the City of Tacoma Traffic Signal Electricians.

35
36 **8-20.3(14) Signal Systems**

37 *This section is deleted.*

38
39 **8-20.3(14)A Signal Controllers**

40 *This section is revised to read:*

41
42 The fully wired control cabinet, the controller, the MMU, and detection hardware for the
43 cabinet shall be delivered to the City of Tacoma Traffic Signal Shop for configuration,
44 programming, testing, and certification prior to installation. At the Contractor's request,
45 the City will off load the equipment. The Contractor shall notify the City 24 hours in
46 advance of the equipment delivery.

47
48 A minimum of two weeks shall be required for the City to configure and test the cabinet
49 and controller for each intersection. If multiple cabinets and controllers are delivered,
50 the Contractor shall identify the sequence for configuration and allow one additional
51 week for each additional cabinet and controller delivered.

52

1 The Contractor shall be responsible for transporting the controller cabinet from the
2 Signal/Streetlight Shop site to the jobsite, and for installation of the cabinet and all field
3 wiring. Field wiring shall be performed in accordance with 8-20.3(8) and as directed by
4 City of Tacoma Signal and Streetlight personnel in the field.

5
6 **8-20.3(14)B Signal Heads**

7 *This section is supplemented with the following:*

8
9 For span wire installation, the red indications shall be leveled to within 1 inch for each
10 direction as approved by the City. The height to the bottom of the lowest head shall be
11 17 feet, plus or minus 3 inches. Height to the bottom of the lowest four-section or five-
12 section head shall be a minimum of 16 feet-3 inches, plus or minus 3 inches.

13
14 For span wire installation, the signal stem (drop pipe) shall be 1 to 3 feet long unless
15 otherwise approved by the Engineer.

16
17 Adjust signal heads to align with revised roadway locations.

18
19 **8-20.3(14)E Signal Standards**

20 *This section is supplemented with the following:*

21
22 Unless otherwise shown in the plans, a terminal cabinet shall be installed on all new
23 traffic signal strain poles and traffic signal mast arm standards. Where modifications to
24 existing signal systems include replacement, addition, or modifications to existing signal
25 head wiring, a terminal cabinet shall be added to the existing strain pole or mast arm
26 standard.

27
28 For strain poles and mast arm poles supporting signal indications for one leg of the
29 intersection, an 8" deep, 16" high, and 12" wide terminal cabinet shall be installed. For
30 strain poles and mast arm poles supporting signal indications for two or more legs of the
31 intersection an 8" deep, 24" high, and 18" wide terminal cabinet shall be installed.

32
33 Terminal cabinets shall be in conformance with Section 9-29.25.

34
35 **8-20.3(17)B "As Built" Plans**

36 *This section is supplemented with the following:*

37
38 These drawings shall show the routing of all underground conduits. The locations of the
39 conduit shall be dimensioned with a precision and accuracy of 1 foot.

40
41 **8-20.4 Measurement**

42 *The section is supplemented with the following:*

43
44 When a bid item is shown as "lump sum" in the proposal, no specific unit of
45 measurement will apply, but measurement will be for the sum total of all items for a
46 complete system to be furnished and installed in accordance with approved methods,
47 the Plans, and the Special Provisions, and these Specifications. Removal, relocation and
48 salvage of existing traffic signal and illumination equipment and signs where required
49 shall be incidental to the lump sum items and no separate measurement will be made.

1 Remove direct bury cable shall be measured per linear foot. This work includes only
2 removal of direct bury cable where there is no signal work being done but where there
3 are existing shallow conduit crossings that could be damaged during the installation of
4 proposed pavement improvements.

5
6 Junction Boxes will be measured per each replaced junction box regardless of the type
7 specified use, unless the junction box is intended in an illumination system, traffic signal
8 system, intelligent transportation system, or other type of electrical system lump sum Bid
9 item.

10
11 RRFB assembly w/ associated signage, wire, and conduit shall be measured per each.
12 This work shall include all trenching, backfill, pavement restoration, conduit, wiring, and
13 all other work associated with the installation of a complete functioning beacon
14 connected to the adjacent illumination or traffic signal system, included in a separate
15 lump sum bid item. RRFB assemblies shall meet WSDOT requirements as noted on the
16 plans.

17
18 PPB assembly w/ associated signage, wire, and conduit shall be measured per each.
19 This work shall include all trenching, backfill, pavement restoration, conduit, wiring,
20 button extensions, anchoring to existing post, and all other work associated with the
21 installation of a complete functioning push button connected to the adjacent illumination
22 or traffic signal system, included in a separate lump sum bid item. PPB assemblies shall
23 be either breakaway posts per WSDOT Standard Plan J-20.15-03 or mounted to an
24 existing post. Push button extensions may be required to achieve ADA compliance;
25 these shall be provided by the Contractor at no additional cost to the project.

26 27 **8-20.5 Payment**

28 *The section is supplemented with the following:*

29
30 "Illumination System Modifications", lump sum.

31
32 The lump sum Contract price for "Illumination System ____" shall be full pay for the
33 construction of the complete electrical system, modifying existing systems, or both, as
34 described and as show in the Plans, and herein specified, including excavation,
35 backfilling, concrete foundations, conduit, wiring, restoring facilities destroyed or
36 damaged during construction, salvaging existing materials, and for making all required
37 tests. All additional materials and labor, not shown in the Plans or called for herein and
38 which are required to complete the electrical system, shall be included in the lump sum
39 Contract price. (The system may include: luminaire poles, luminaire bracket arms, LED
40 luminaires, electrical service enclosures). All proposed RRFBs and PPBs and
41 associated wire/conduit/signage shall not be included in this lump sum bid item.

42
43 "Traffic Signal System Modifications", lump sum.

44
45 The lump sum Contract price for "Traffic Signal System ____" shall be full pay for the
46 construction of the complete signal and electrical system, modifying existing systems, or
47 both, as described and as show in the Plans, and herein specified, including excavation,
48 backfilling, concrete foundations, conduit, wiring, restoring facilities destroyed or
49 damaged during construction, salvaging existing materials, and for making all required
50 tests. All additional materials and labor, not shown in the Plans or called for herein and
51 which are required to complete the electrical system, shall be included in the lump sum
52 Contract price.

1 (The system may include: mast arm poles, signal mast arms, terminal cabinets, signal
2 strain and luminaire poles, luminaire bracket arms, LED luminaires, APS pushbuttons,
3 pushbutton extension brackets, pushbutton and signal posts, vehicular and pedestrian
4 signal heads, signage, traffic signal cabinet and controller equipment, vehicular, bicycle,
5 and emergency pre-emption detection, electrical service enclosures). All proposed
6 RRFBs and PPBs and associated wire/conduit/signage shall not be included in this lump
7 sum bid item.
8

9 "Traffic Signal System Overhead Adjustment," lump sum.

10
11 This lump sum bid item shall include all work and coordination required to adjust the
12 existing overhead traffic signal heads at various signalized intersections as shown on the
13 plans.
14

15 "Remove Direct Bury Cable," per linear foot.

16
17 This work shall include all coordination required with City of Tacoma Signal Shop crews
18 to complete this work.
19

20 "Install Junction Box", per each.

21
22 The unit Contract price per each for "Install Junction Box" shall be full pay for all work to
23 remove the existing junction box, replacing or new placement of the junction box with a
24 specified type as directed by the Engineer. The costs for this work shall include all
25 handling, hauling, disposing furnishing, excavation and placing the junction box. Any
26 work to restore facilities, such as but not limited to: providing conduit, rerouting conduit,
27 pulling wire, reconnection the system and testing the system as directed by the Engineer
28 shall be included in this bid time.
29

30 "RRFB Assembly w/ Associated Signage, Wire, and Conduit," per each.

31
32 This work shall include all trenching, backfill, pavement restoration, conduit, wiring, and
33 all other work associated with the installation of a complete functioning system not
34 shown on the plans or included under a separate bid item.
35

36 "PPB Assembly w/ Associated Signage, Wire, and Conduit," per each.

37
38 This work shall include all trenching, backfill, pavement restoration, conduit, wiring,
39 button extensions, anchoring to existing post, and all other work associated with the
40 installation of a complete functioning system not shown on the plans or included under a
41 separate bid item.
42

43 The "Conduit Pipe ___ In. Diam" bid item has been revised to read:

44
45 "Conduit Pipe ___ In. Diam.", per linear foot. The unit Contract price per linear foot for
46 "Conduit Pipe ___ In. Diam." shall be full pay for furnishing all pipe, pipe connections,
47 elbows, bends, caps, reducers, conduits, unions, and fittings; for placing the pipe in
48 accordance with the above provisions, including all excavation, jacking, or drilling
49 required, backfilling of any voids around casing, conduits, pits, or trenches; restoration of
50 native vegetation disturbed by the operation, chipping of pavement, and bedding of the
51 pipe; and all other Work necessary for the construction of the conduit, except that when
52 conduit is included on any project as an integral part of an illumination, traffic signal, or
53 ITS system, and the conduit is not shown as a pay item, it shall be included in the lump
54 sum price for the system shown.
55

END OF SECTION

1 **8-22 PAVEMENT MARKING**
2 **(January 19, 2017 Tacoma GSP)**

3
4 **8-22.1 Description**

5 *The last sentence of the second paragraph is revised to read:*

6
7 Traffic letters used in word messages shall be 6-feet high with the exception of the “R” in
8 the railroad crossing symbol which shall be as shown on the standard plans.

9
10 *This section is supplemented with the following:*

11
12 **Green Durable Product**

13 Green Durable Product shall be provided at locations identified on the plans such as
14 “Intersection Bike Box”, “Green Pavement Markings”, “Crossbike Striping”, “Green
15 Colored Bike Ramp”, and “Bike Transition Lane” locations and as directed by the
16 Engineer. Refer to details specified within these plans and specifications. The product
17 shall be a durable, color stable, non-slip surface.

18
19 **Sharrow Pavement Marking**

20 Sharrow pavement marking shall be provided at locations identified in the plans. Refer
21 to City of Tacoma Standard Plan CH-11 and/or other details specified within these plans
22 and specifications. The product shall be a durable, color stable, non-slip surface.

23
24 **Daylight Striping**

25 Daylight striping shall meet the requirements of Plastic White Gore Line (8”) per City of
26 Tacoma Standard Plan CH-03A.

27
28 **Plastic 24-Inch Wide Median Striping**

29 Plastic 24-inch wide median striping shall meet City of Tacoma pedestrian island striping
30 requirements as outlined in City of Tacoma Standard Plan Ch-07.

31
32 **Painted Markings to Match Existing**

33 In areas where proposed striping is intended to tie into existing painted channelization to
34 remain, the Contractor must provide painted striping per City of Tacoma standards to tie
35 into existing channelization.

36
37 **Prime Future Art Areas**

38 In several locations the Contractor must prime the roadway pavement surface for future
39 artistic improvements to be done by the Tacoma Office of Arts and Cultural Vitality. This
40 work and materials must be coordinated in the field with the Engineer, Inspector, and
41 Tacoma Office of Arts and Cultural Vitality to ensure compliance with the needs of the
42 Tacoma Office of Arts and Cultural Vitality.

43
44 **8-22.2 Materials**

45 *The Section is supplemented with the following:*

46
47 All “Plastic Arrow”, “Plastic Sharrow Symbol”, “Plastic Letter” markings and all “Plastic
48 Crosswalk Line” and “Plastic Stop Line” lines, shall be a Preformed retro-reflective
49 thermoplastic pavement marking material incorporating a pre-applied bead coating that
50 can be adhered to asphalt, concrete and Portland Cement Concrete pavements by
51 means of heat fusion. The applied markings shall be very durable, oil and grease
52 impervious, and provide immediate and continuing retro-reflectivity meeting the
53 requirements of Section 9-34.3(2).

1
2 “Green Durable Product” materials shall meet the requirements of section 9-34.3(4) for
3 MMA.

4
5 Materials used for curb paint shall be the same as for pavement marking paint per
6 Section 9-34.2.

7 8 **8-22.3 Construction Requirements**

9 10 **8-22.3(3) Marking Application**

11 12 **8-22.3(3)E Installation**

13 *The Section is supplemented with the following for applying Type B material:*

14
15 **Effective Performance Life:** When properly applied, in accordance with manufacturer’s
16 instructions, the preformed marking materials shall be neat and durable. The markings
17 shall remain skid resistant and show no lifting, shrinkage, tearing, roll back, or other
18 signs of poor adhesion.

19
20 **Packaging:** The flexible preformed marking material, for use as transverse or bike
21 symbols as well as legends, shall be available in flat form material up to a maximum of
22 2-foot width by 4-foot length. The material shall be packed in suitable cartons clearly
23 labeled for ease of identifying the contents. Packaging shall not use plastic liners within
24 to separate material from itself. Product packaging shall identify part number and mil
25 thickness.

26
27 **Material Replacement Provisions:** Any properly applied preformed marking materials
28 that shall smear or soften independent of pavement movement or condition within a
29 period of one year from date of application shall be replaced by the supplier.

30
31 **Installation:** The preformed marking materials shall be applied in accordance with the
32 manufacturer’s recommendations on clean and dry surfaces. New Portland concrete
33 cement surfaces must be sandblasted to entirely remove curing compound. Marking
34 configuration shall be in accordance with the “Manual on Uniform Traffic Control
35 Devices,” where applicable.

36
37 **New Surfaces:** Preformed marking materials specified for newly paved asphalt road
38 surfaces shall be capable of being applied as the original permanent marking on the day
39 the surface is paved.

40
41 **Fusion:** The preformed marking materials shall be fusible to the pavement by means of
42 a propane torch recommended by the manufacturer.

43
44 **Technical Services:** The supplier shall provide technical services as may be required.

45 46 **8-22.3(3)F Application Thickness**

47 *The Section is supplemented with the following:*

48
49 **Green Durable Product:** Approximately 4.2-gallon mixture of Green colored MMA,
50 hardwearing aggregate, and catalyst should cover 70-75 SF at 90 mils thickness.

51 52 **8-22.3(4) Tolerances for Lines**

53 *The allowable tolerance for “Length of Line” is revised to read:*

1
2 **Length of Line:** The longitudinal accumulative error within a 32-foot length of skip stripe
3 shall not exceed plus or minus 1 inch.

4
5 **8-22.4 Measurement**

6 *The last sentence of the sixth paragraph is revised to read:*

7
8 Crosswalk lines will be measured by the linear foot of marking installed.

9
10 *The section is supplemented with the following:*

11
12 Plastic White Lane Line (4") will be measured per linear foot and meet the requirements
13 of City of Tacoma Std. Plan CH-03A with Type 1W-RPM and Type 2W-PRM at intervals
14 shown. No deduction will be made for the unmarked area when the marking includes a
15 broken line.

16
17 Plastic White Edge Line (4") will be measured per linear foot and meet the requirements
18 of City of Tacoma Std. Plan CH-03B.

19
20 Plastic Double Yellow Center Line (4" x 2) and Plastic Single Yellow Centerline White
21 Lane Line (4" x 1) will be measured per linear foot and meet the requirements of City of
22 Tacoma Std. Plan CH-03A with Type 1W-RPM and Type 2W-PRM at intervals shown.
23 No deduction will be made for the unmarked area when the marking includes a broken
24 line. Double lines include both 4" lines while the single line includes only one 4" line.

25
26 Plastic White Gore Line (8") will be measured per linear foot and will meet the
27 requirements of City of Tacoma Std. Plan CH-03A with Type 1W-RPM at intervals
28 shown.

29
30 Plastic Dotted Extension Line (4") will be measured per linear foot and meet the
31 requirements of City of Tacoma Std. Plan CH-03B. No deduction will be made for the
32 unmarked area when the marking includes a broken line.

33
34 Plastic Bike Lane (6") and Plastic Bike Lane Skip Line (6") will be measured per linear
35 foot and meet the requirements of City of Tacoma Std. Plan CH-03B. No deduction will
36 be made for the unmarked area when the marking includes a broken line.

37
38 Green Durable Products will be measured per square foot of marked area installed.

39
40 Painted curb will be measured by the linear foot of curb line as "Painted Curb."

41
42 Plastic Sharrow Symbols will be measured by each typical sharrow symbol installed and
43 shall meet the requirements of City of Tacoma Std. Plan CH-11.

44
45 Daylight Striping will be measured per linear foot.

46
47 Plastic 24-inch Wide Median Striping will be measured per square foot.

48
49 Remove Pavement Markings will be measured per lump sum.

50
51 Painted Markings to Match Existing will be measured per lump sum.

52
53 Prime Future Art Areas will be measured per lump sum.

1
2 For all pavement markings labeled as "double" the linear foot measurement shall include
3 both lines For example, 12 linear feet of double yellow centerline (4"x2") shall be
4 measured as 12 linear feet, not 24 linear feet for each line separately.
5

6 **8-22.5 Payment**

7 *This section is supplemented with the following:*
8

9 "Plastic White Lane Line (4")", per linear foot.

10
11 "Plastic White Edge Line (4")", per linear foot.

12
13 "Plastic Double Yellow Center Line (4" x 2)", per linear foot.

14
15 "Plastic Single Yellow Center Line (4" x 1)", per linear foot.

16
17 "Plastic White Gore Line (8")", per linear foot.

18
19 "Plastic Dotted Extension Line (4")", per linear foot.

20
21 "Plastic Bike Lane Skip Line (6")", per linear foot.

22
23 "Plastic Bike Lane (6")", per linear foot.

24
25 "Plastic Crosswalk Line", per linear foot.

26
27 "Painted Curb", per linear foot.

28
29 "Green Durable Product", per square foot.

30
31 "Plastic Sharrow Symbol", per each.

32
33 "Daylight Striping", per linear foot.

34
35 "Plastic 24-inch Wide Median Striping", per square foot.

36
37 "Remove Pavement Markings", per lump sum.

38
39 "Painted Markings to Match Existing", per lump sum.

40
41 "Prime Future Art Areas," per lump sum.
42
43
44

END OF SECTION

1 **8-23 TEMPORARY PAVEMENT MARKINGS**

2
3 **8-23.4 Measurement**

4 *This section is revised to read:*

5
6 Temporary center lines, edge lines, lane lines, all other temporary longitudinal pavement
7 markings, miscellaneous pavement markings (such as traffic arrow and letters, bike
8 symbols), stop lines, and crosswalks will be included in a single lump sum item.

9
10 **8-23.5 Payment**

11 *This section is revised to read:*

12 "Temporary Pavement Marking", per lump sum.

13
14 The lump sum Contract price for "Temporary Pavement Marking" shall be full pay for all
15 Work necessary to provide required temporary pavement markings as required by the
16 City Inspector and to maintain necessary vehicle, bicycle, and pedestrian channelization
17 as noted on the Traffic Control Plans.

18
19
20 **END OF SECTION**

1 **8-33 TRAFFIC AND BICYCLE DELINEATORS**

2
3 **8-33.1 Description**

4
5 This work shall consist of the supply of traffic-separator curbing, flexible delineators, and
6 bicycle directional tiles.

7
8 Traffic-separator curbing shall be high-performance, high-visibility, non-warping,
9 nonmetallic durable plastic material; shall be resistant to damage due to impact,
10 ultraviolet light, ozone, hydrocarbons, and other effects of atmospheric weathering; shall
11 resist stiffening with age; and shall exhibit good workmanship and be free of burns,
12 discoloration contamination and other objectionable marks or defects that affect
13 appearance or serviceability. Product must be lightweight and east to install and
14 available in both yellow and white as noted on the plans. A standard curb height of about
15 3.5-inches and a low-profile curb height of about 2-inches are both specified separately
16 on the plans.

17
18 Flexible guide posts (delineators) shall be made of flexible, non-warping, nonmetallic
19 durable plastic material; shall be resistant to damage due to impact, ultraviolet light,
20 ozone, hydrocarbons, and other effects of atmospheric weathering; shall resist stiffening
21 with age; and shall exhibit good workmanship and be free of burns, discoloration
22 contamination and other objectionable marks or defects that affect appearance or
23 serviceability. The top of tubular posts shall be closed to prevent moisture or debris from
24 entering. Traffic-separator curb mounted delineators shall be compatible with the traffic-
25 separator curbing option selected. Surface mounted delineators shall be mounted on a
26 base made of a rigid high impact resistant material and be resistant to ultraviolet light,
27 ozone, and hydrocarbons. The post shall mount directly into or onto the base in a tamper
28 proof manner and shall allow for easy replacement. The post system shall be designed
29 for permanent installation to resist overturning, twisting, and displacement from wind and
30 impact forces. A reactive spring unit must connect the base with the tubular post unit.
31 Each flexible guide post shall be permanently identified with the manufacturer's name,
32 and the month and year of fabrication. The letters shall be solvent resistant, a minimum
33 of ¼ inch in height, and permanently affixed to the post.

34
35 Bicycle direction tiles shall be made of galvanized steel; shall be resistant to damage
36 due to impact, ultraviolet light, ozone, hydrocarbons, and other effects of atmospheric
37 weathering; shall exhibit good workmanship and be free from burns, discoloration
38 contaminations and other objectionable marks or defects that affect appearance or
39 serviceability. Powder coating shall provide a minimum coefficient of friction of 0.6 to
40 provide a slip resistant finish.

41
42 **8-33.2 Materials**

43
44 High-performance traffic-separator curbing shall be dome shaped injection-molded
45 polyethylene. It must come in approximately 40-inch long sections with an approximate
46 width of 12-inches and an approximate height of 3.5-inches. Reflectors must be
47 equipped to the proposed delineators to improve visibility. Product must come in both
48 white and yellow as shown on the plans. Product must be surface mounted to existing
49 pavement with both fixed and quick release options for anchoring of flexible delineators.
50 End caps must be provided at the being and end of each stretch of traffic separator
51 curbing.

1 High-performance low-profile traffic-separator curbing shall be dome shaped injection-
2 molded polyethylene. It must come in approximately 40-inch long sections with an
3 approximate width of 8-inches and an approximate height of 2-inches. Reflectors must
4 be equipped to the proposed delineators to improve visibility. Product must come in both
5 white and yellow as shown on the plans. Product must be surface mounted to existing
6 pavement with both fixed and quick release options for anchoring of flexible delineators.
7

8 The flexible delineators shall be shaped as a 48" tall tubular marker with a squeezed
9 section 14" tall. The squeezed section shall have reflective sheeting sized at 3"x12" and
10 shall be Type III, IV, V, or VII conforming to WSDOT Standard Specification section 9-
11 28.12. The tubular delineator shall be made of flexible HDPE plastic and shall be
12 resistant to ozone, UV light and hydrocarbons. The tubular markings shall be colored
13 white.
14

15 Bicycle direction tiles shall be made of G90 galvanized steel; shall be resistant to
16 damage due to impact, ultraviolet light, ozone, hydrocarbons, and other effects of
17 atmospheric weathering. Product must be 18-inches wide.
18

19 **8-33.3 Construction Requirements**

20
21 High-performance traffic-separator curbing must be surface mounted per manufacturer's
22 instructions. Location shall be laid out in the field and coordinated with the Inspector
23 prior to final installation.
24

25 Flexible delineators shall be built as specified in the plans shall meet MUTCD and
26 WSDOT specifications. The base shall be securely mounted to high-performance traffic-
27 separator curb and ground following manufacturer's instructions.
28

29 Bicycle direction tiles shall be surface mounted per manufacturer's instructions.
30

31 **8-33.4 Measurement**

32
33 High-Performance Traffic-Separator Curbing shall be measured per linear foot.
34

35 High-Performance Low-Profile Traffic-Separator Curbing shall be measured per linear
36 foot.
37

38 Flexible Delineators shall be measured per each.
39

40 Green Bicycle Tiles shall be measured per linear foot.
41

42 **8-33.5 Payment**

43
44 Payment will be made for each of the following Bid items that are included in the
45 proposal, and shall be full compensation for all Work associated with these items:
46

47 "High-Performance Traffic-Separator Curbing", per linear foot.
48

49 "High-Performance Low-Profile Traffic-Separator Curbing", per linear foot.
50

51 "Flexible Delineators", per each.
52

53 "Green Bicycle Tiles", per linear foot.
54
55

END OF SECTION

1 **8-34 ACCESSIBILITY WORK PLAN**

2
3 **8-34.1 Description**

4
5 This work consists of preparing a site specific accessibility work plan to describe how
6 property owner/tenant access shall be maintained at all time during construction and
7 off hours if necessary.
8

9 **8-34.2 Vacant**

10
11 **8-34.3 Construction Requirements**

12
13 The Contractor shall prepare an Accessibility Work Plan to detail for each site the
14 means and methods to be used in keeping the access open to each individual
15 property. The Accessibility Work Plan shall also describe the signing and safety
16 precautions taken to guide residents, employees, and customers through the work
17 zone both into and out of the business and/or residence and around the project site.
18 The plan shall comply with the requirements for ADA access in the American
19 Disability Act Accessibility Guidelines (ADAG) and the City of Tacoma’s Traffic
20 Control Handbook. Signing shall comply with the Manual on Uniform Traffic Control
21 Devices.
22

23 The Accessibility Work Plan shall include the Contractor’s emergency contact person
24 and phone number. The Accessibility Work Plan shall be submitted for review by
25 the Engineer two weeks prior to beginning work on an individual property. Work
26 shall not commence at the individual property work site until the Accessibility Work
27 Plan for that location has been approved by the Project Engineer.
28

29 **8-34.4 Measurement**

30
31 There is no measurement for this lump sum item.
32

33 **8-34.5 Payment**

34
35 Payment will be made in accordance with section 1-04.1, for each of the following bid
36 items that are included in the Proposal.
37

38 “Accessibility Work Plan _____”, lump sum.
39 The unit contract price for “Accessibility Work Plan _____”, per lump sum,
40 shall be full pay to prepare and submit the plan as specified.
41

42 **END OF SECTION**

1 **8-35 MAINTAIN REQUIRED ACCESS**

2
3 **8-35.1 Description**

4
5 This work consists of furnishing, constructing, maintaining, and removing the
6 temporary access as detailed in the Accessibility Work Plans.
7

8 **8-35.2 Vacant**

9
10 **8-35.3 Construction Requirements**

11
12 The Contractor shall construct the access as detailed in the Accessibility Work Plan
13 for the individual property work site.
14

15 The Contractor shall maintain property owner/tenant access at all times during the
16 work as described in the Accessibility Work Plan for the individual property work site.
17

18 Upon completion of the work at the individual property work site, the Contractor shall
19 remove the temporary work access completely, allowing for permanent access to the
20 individual property site.
21

22 **8-35.4 Measurement**

23
24 There is no measurement for this lump sum item.
25

26 **8-35.5 Payment**

27
28 Payment will be made in accordance with section 1-04.1, for each of the following bid
29 items that are included in the Proposal.
30

31 "Maintain Required Access _____", lump sum.

32 The unit contract price for "Maintain Required Access _____", per lump sum,
33 shall be full pay to furnish, install, maintain, relocate, and remove the temporary
34 access to each property as specified.
35

36
37 **END OF SECTION**
38

1 **8-36 PROTECTION OF PRIVATE PROPERTY**

2 *Add this new Section:*

3
4 **8-36.1 Description**

5
6 The contractor shall protect private property during demolition and construction. Private
7 property includes and is not limited to building facades, windows, pavements, fences,
8 trees, planting pots, light fixtures, and any other special features with private ownership.
9 Section 1-07.16 shall also apply. Means and methods may vary depending on the
10 specific private property to be protected, and these and the duration will also depend on
11 the nature of the construction work. Therefore, this Work will be paid for by Lump Sum.

12
13 **8-36.2 Materials**

14
15 Materials used may vary and are dependent on the approval of the Engineer. Some
16 materials that are anticipated are as follows:

- 17 • Plywood boards
- 18 • Plastic sheets
- 19 • Plexiglas
- 20 • Canvass fabric – drop cloth

21
22 **8-36.3 Construction**

23
24 A specific protection activity anticipated is shielding the lower building face with plywood
25 during sidewalk demolition and during the pouring of new concrete. Other protection
26 activities relate to controlling construction dust and may involve utilizing additional water
27 trucks.

28
29 When dust and small flying particles can coat or damage windows, the contractor shall
30 coordinate with the Engineer and property owner(s) to protect the windows with a
31 protective covering.

32
33 In any case the Contractor shall conduct the protection of private property as directed
34 and approved by the Engineer, including the above examples. The contractor shall
35 attend meetings with property owner groups or individual property owners as directed by
36 the Engineer. Adequate communication with property owners regarding this Work is
37 essential to obtain property owner concurrence and minimize impacts for business
38 owners.

39
40 Otherwise, Section 1-07.16, “Protection and Restoration of Property”, shall apply.

41
42 **8-36.4 Measurement**

43
44 All items associated with “Protection of Private Property” shall be included in a lump sum
45 Bid item.

46
47 **8-36.5 Payment**

48
49 All Costs for “Protection of Private Property”, per lump sum.

50
51 All costs associated with any specific “Protection of Private Property” activity shall be
52 included in this lump sum Bid item.

53
54 **END OF SECTION**

1 **DIVISION 9: MATERIALS**

2
3 **9-03 AGGREGATES**

4
5 **9-03.1 Aggregates for Portland Cement Concrete**

6
7 **9-03.1(1) General Requirements**
8 **(June 16, 2016 Tacoma GSP)**

9 *The seventh paragraph is deleted.*

10
11 **9-03.6 Vacant**
12 **(Jun 16, 2016 Tacoma GSP)**

13 *This section, including the title, is revised to read:*

14
15 **9-03.6 Aggregates for Asphalt Treated Base (ATB)**

16
17 **9-03.6(1) General Requirements**

18
19 Aggregates for asphalt treated base shall be manufactured from ledge rock, talus, or
20 gravel, in accordance with the provisions of Section 3-01 that meet the following test
21 requirements:

22
23 Los Angeles Wear, 500 Rev. 30% max.
24 Degradation Factor 15 min.

25
26 **9-03.6(2) Grading**

27
28 Aggregates for asphalt treated base shall meet the following requirements for grading:

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

29
30
31 All percentages are by weight.

32
33 **9-03.6(3) Test Requirements**

34
35 When the aggregates are combined within the limits set forth in Section 9-03.6(2) and
36 mixed in the laboratory with the designated grade of asphalt, the mixture shall be
37 capable of meeting the following test values:

38	39	40 % of Theoretical Maximum Specific Gravity (GMM) (approximate)	93@
41	42		100 gyrations
43	44	AASHTO T324, WSDOT TM T718, or ASTM D3625 (Acceptable anti-strip evaluation tests)	Pass

1 The sand equivalent value of the mineral aggregate for asphalt treated base (ATB) shall
2 not be less than 35.

3
4 **9-03.8 Aggregates for Hot Mix Asphalt**
5 **(March 9, 2016 APWA GSP)**

6 *Supplement section 9-03.8 with the following:*

7
8 **Aggregates for Porous Hot Mix Asphalt/Porous Warm Mix Asphalt**
9 **(PHMA/PWMA)**

10 **General Requirements**

11
12 Aggregates for Porous Hot Mix Asphalt (PHMA) or Porous Warm Mix Asphalt (PWMA)
13 shall be manufactured from ledge rock, talus, or gravel, in accordance with the
14 provisions of Section 3-01 that meet the following test requirements:

15
16 Los Angeles Wear, 500 Rev. 30% max.
17 Degradation Factor 15 min.

18
19 **Grading**

20 Aggregates for PHMA/PWMA shall meet the following requirements for grading:
21

Sieve Size	Percent Passing*
¾" square	100
½" 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

22 * All percentages are by weight.

23
24 The aggregate for PHMA/PWMA shall consist of crushed stone with a percent fracture
25 greater than 90% on two faces on the No. 4 sieve and above, and shall be tested in
26 accordance with the field operating procedures for AASHTO T 335.

27
28 **9-03.12 Gravel Backfill**

29
30 **9-03.12(3) Gravel Backfill for Pipe Zone Bedding**
31 **(June 16, 2016 Tacoma GSP)**

32 *The grading requirements included in this section are revised to read:*

33

Sieve Size	Percent Passing*
¾" square	100
3/8" square	95 - 100
U.S. No. 8	0 - 10
U.S. No. 200	0 - 3

34 Sand Equivalent 35 Minimum

35 * All percentages are by weight

36
37 **9-03.21 Recycled Material**
38

1 **9-03.21(1) General Requirements**

2 **(June 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
6 concrete shall not be permitted for use as pipe zone backfill, backfill above pipe zone,
7 and extra excavation area backfill material.

8

9

10

END OF SECTION

1 **9-07 REINFORCING STEEL**
2 **(March 23, 2010 Tacoma GSP)**

3
4 **9-07.5(2) Corrosion Resistant Dowel Bars (For Cement Concrete Pavement)**
5 *This section is supplemented with the following:*

6
7 Dowel bars for all streets shall be corrosion resistant.

8
9
10

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
8 identified 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 and as approved through the submittal process. All other
31 surfaces to be coated per Section 6-07.3.
32
33 F. Painting shall be applied in accordance with Section 6-07.3.

34
35 **9-08.20(2) Concrete**

- 36
37 A. Exposed/outside exposure
- | | | | |
|----|--------------------------|----------------|------------|
| 38 | 1. 1 st Cost: | Section 9-08.3 | (3.0-mils) |
|----|--------------------------|----------------|------------|
- 39
40 B. Exposed/Interior exposure
- | | | | |
|----|----------------------------------|-----------|------------|
| 41 | 1. 1 st Cost: Section | 9-08.1(3) | (2.0-mils) |
| 42 | 2. 2 nd Cost: Section | 9-08.1(3) | (1.0-mils) |
- 43
44 C. Surface to be painted where indicated on contract plans
45
46 D. Colors to be selected by the Project Engineer

47
48 **9-08.20(3) Wood**

49
50 All surfaces to be coated where and in accordance with contract documents as
51 indicated.

52
53 **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 mounted to be on a
8 single 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 .050-inch aluminum.

13
14 **9-28.9 Fiberglass Reinforced Plastic Signs**

15 *This section is deleted in its entirety.*

16
17
18

END OF SECTION

1 **9-29 ILLUMINATION, SIGNALS, ELECTRICAL**
2 **(March 31, 2016 Tacoma GSP)**

3
4 **9-29.1(16) Detectable Underground Warning Tape**

5 *The section is supplemented with the following:*

6
7 For electrical circuits detectable underground warning tape shall be high visibility red,
8 with continuous legend of "Caution Electrical Line Buried Below" or equal. The warning
9 tape shall be polyethylene with a metallic backing. The polyethylene shall be a minimum
10 3 inches wide, 4 mils 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
15 cable shall be Type 1, Standard Duty with alternate 2 locking lid per state standard plan
16 J-40.10-02.

17
18 Unless otherwise specified, all junction boxes containing interconnect cabling shall be
19 Type 2, Standard Duty with alternate 2 locking lid per state standard plan J-40.10-02.

20
21 **9-29.2(4) Cover Markings**

22 *The section paragraph of this section is revised to read:*

23
24 Covers shall be marked or embossed with "LT" for boxes containing illumination circuits.
25 Covers shall be marked or embossed with "TS" for boxes containing traffic signal
26 circuits.

27
28 **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

29 *This section is supplemented with the following:*

30
31 Where not otherwise specified, all wiring shall meet standard of the industry for the
32 application employed. Wiring shall be consistent with manufacturers' recommendations
33 and meet all applicable codes.

34
35 **9-29.3(2)A Single Conductor**

36
37 **9-29.3(2)A1 Single Conductor Current Carrying**

38 *This section is supplementing with the following:*

39
40 Service connections shall be stranded copper size AWG #6 USE unless otherwise
41 shown in the plans. Black conductor insulation shall be used for the service and the
42 neutral conductor shall be white. Color tape marking shall not be acceptable for the
43 neutral conductor.

44
45 **9-29.3(2)A2 Grounding Electrode Conductor**

46 *This section is supplemented with the following:*

47
48 Grounding electrode conductor shall be minimum #8 AWG unless otherwise shown in
49 the plans. When the ground is pulled through a conduit, the wire shall be insulated. Color
50 tape marking shall not be acceptable for marking the ground.

51
52

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.
5 When the ground is pulled through a conduit, the wire shall be insulated. Color tape
6 marking shall not 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
12 stranded copper conductors, size AWG 14, and shall conform to International Municipal
13 Signal 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
19 jacket. Shielded loop lead-in wire shall be #18 stranded tinned-copper, twisted pair, 2
20 conductor cable with polyethylene insulation, conductors cabled, and shall have
21 aluminum-polyester foil-shield furnished in 100% coverage, stranded tinned-copper drain
22 wire and an overall chrome-vinyl 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
28 twisted pair, shielded, PE outer jacket or IMSA 40-4 #19 AWG 6 twisted pair, figure 8,
29 shielded, PE 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
35 ASTM A 475, extra-high strength grade, 11,200 lbs. min. breaking strength, Class B
36 galvanized.

37
38 All guy eye anchor rods shall be double-hub type.

39
40 Weatherheads shall be clamp-on type PVC. Where used for signal or flashing beacon
41 conductors, the center of the wire entrance shall be cut or machined out to a large
42 diameter to accommodate entry of multi-conductors. All edges shall be smoothed to
43 avoid chaffing.

44
45 All miscellaneous nuts, bolts, washers and fittings shall be stainless steel or brass
46 unless otherwise noted.

47
48 All metal line hardware shall be hot-dipped galvanized in conformance with the
49 requirements of ASTM Designation A-153. All eyebolts shall be thimble eye design cast
50 or welded to form a solid eye.

51
52 5-strand, class B galvanized steel, pretwisted guy strand dead ends, high strength cable
53 conforming to ASTM Designation A-475, shall be utilized at all span wire terminations.

1 1/2" rope wire thimbles shall be required where span wire connects to all poles or bull
2 rings, except where thimble eye bolts are used. Span wire shall normally be installed
3 directly pole to pole, unless otherwise directed or specified.

4
5 Strain insulators shall be installed where connecting to wood poles. Where span wire is
6 connected to a steel or concrete pole, insulators shall not be installed. Strain insulators
7 shall be wet process, porcelain, conforming to EEI-NEMA Class 54-2 standards for
8 12,000-pound ultimate strength and shall be installed 9 feet from the pole.

9
10 **9-29.6 Light and Signal Standards**

11 *This section is supplemented with the following:*

12
13 All light and signal standards shall be fixed base.

14
15 The head of the handhold security bolt shall be flush with the face of plate. The face
16 plate of the handhole shall be flush with pole.

17
18 **9-29.6(3) Timber Light Standards, Timber Strain Poles, Timber Service**
19 **Supports**

20 *This section is supplemented with the following:*

21
22 All timber poles shall be Class II unless otherwise specified.

23
24 Mast arms for wood poles shall be "tapered elliptical" or "tapered truss" style, of a size
25 sufficient to be used with a luminaire weight of 48 pounds with an EPA of 1.1 square
26 feet. Arms shall have 2-3/8 inches O.D. x 8-inch long slip fitter for mounting luminaire.

27
28 *Section 9-29.6 is supplemented with the following new section:*

29
30 **9-29.6(6) City of Tacoma Universal Pole**

31
32 Unless otherwise specified, light standards and strain poles shall be in conformance with
33 the following City of Tacoma standard design.

34
35 **Strength**

36 Each pole and mast arm shall have adequate strength for the designated luminaire with
37 1.8 safety factor for maximum combined stresses using 90 mph isotach (117 mph gusts)
38 per AASHTO specifications for structure supports for highway luminaires. Design shall
39 be based on total loading of 50 pounds and EPA of 2.0 square feet.

40
41 **Standard Bolt Spacing**

42 30 Foot poles -- Baseplate shall accommodate 1 inch anchor bolts. The bolt circle shall
43 be between 11 inches and 13 inches.

44 40 Foot Poles -- Baseplate shall accommodate 1 inch anchor bolts. The bolt circle shall
45 be between 12.5 inches and 14.5 inches.

46
47 **9-29.6(6)A Steel Strain Poles**

48
49 Each pole shall be of tapered round or octagonal construction.

50
51 CLASS 1 POLE: Design for dead load tensions up to 1500 pounds

52 CLASS 2 POLE: Design for dead load tensions up to 2600 pounds

53

1 Class 1 poles shall have a minimum base diameter of 12-inches for octagonal poles and
2 12-1/4-inches for round poles. Poles shall have a minimum wall thickness of 0.3125-
3 inches. Anchor bolts shall be 1-1/2-inch by 60-inches and shall have a spacing of 11-
4 5/16-inches on center, on the square. It is the responsibility of the pole manufacturer to
5 maintain proper clearance between the pole shaft and nuts for the anchor bolts.
6

7 Class 2 poles shall have a minimum base diameter of 13-1/2-inches for octagonal poles
8 and 14-inches for round poles. Poles shall have a minimum wall thickness of 0.375-
9 inches. Anchor bolts shall be 2-inch by 66-inches and shall have a spacing of 12-3/4-
10 inches on center, on the square. It is the responsibility of the pole manufacturer to
11 maintain proper clearance between the pole shaft and nuts for the anchor bolts.
12

13 Poles shall be of single-ply construction. Multiple-ply poles shall not be allowed.
14

15 Each pole shall be of tapered round or octagonal construction. Pole taper shall be in the
16 range of 0.13 to 0.14 in/ft.
17

18 A base plate and top casting shall be securely attached to each pole. The attachment of
19 the base plate to the pole shall be a welded connection sufficient to develop the full
20 strength of the pole. The base plate shall have four (4) holes which will sufficiently
21 accommodate the specified anchor bolts for the pole class.
22

23 Pole shall be of sufficient strength to allow for the span wire to be installed to sag an
24 amount equal to 5% of the span length.
25

26 The maximum acceptable deflection, at 30 feet above the base, is 5 inches. The
27 specified deflection shall be at a loading condition of 1,500 pounds horizontal pull at 30
28 feet above the base for Class 1 Poles. For Class 2 Poles, the loading condition shall be
29 2,600 pounds horizontal pull at 30 feet above the base.
30

31 Structural material shall be zinc-coated by a "hot-dip" process in accordance with ASTM
32 A123 and the final coating shall measure 0.0039 inch or more in thickness as
33 determined by a magnetic thickness gauge. All tapped holes shall be chased after
34 galvanizing. Hardware shall be coated in accordance with ASTM A307.
35

36 The finished pole shall be reasonably straight and free from injurious defects. If
37 galvanizing is damaged, the maximum area to be repaired is defined in accordance with
38 ASTM A123 Section 4.6. The maximum area to be repaired in the field shall be
39 determined in advance by the Engineer. Repair areas damaged during construction,
40 handling, transport or installation by one of the approved methods in accordance with
41 ASTM A780 whenever damage exceeds 3/16 inches in width. Minimum thickness for
42 repair shall measure 0.0039 inches.
43

44 The company shall furnish the purchaser with template prints showing spacing and size
45 of holes in base for the anchor rods.
46

47 The material shall carry the manufacturer's standard guarantee against any defect in
48 material or workmanship for a minimum period of one year following the date of
49 installation. The Contractor shall submit mil test reports for all steel used in the
50 manufacturing of strain poles and pedestals.
51

52 The Contractor shall submit a Certificate of Compliance with ASTM Standards and
53 Specifications for galvanizing. The certificate, signed by the galvanizer, shall detail

1 galvanizing process and testing procedure to determine that galvanizing meets minimum
2 thickness specified.

3
4 The contractor shall submit welder certification. Welders must be certified to AWS
5 standards.

6
7 Each pole shall include the following:

- 8 1. One (1) rain-tight pole cap.
- 9 2. One (1) 4-inch by 6-1/2-inch handhole at base end with cover plate opposite to
10 mast arm.
- 11 3. Anchor bolts shall be hot dipped galvanized steel with two (2) galvanized nuts
12 and two (2) washers for each bolt. Only 12-inches of threaded end of the bolts
13 must be galvanized. 1-1/2-inch diameter bolts shall have 8-inches of top thread
14 and 2-inch diameter bolts shall have 10-inches of top thread.
- 15 4. Anchor bolts shall have threaded bottom ends to receive an anchor plate and
16 nut. The nut shall be tack-welded to the anchor plate. Anchor plates for 1-1/2-
17 inch diameter anchor bolts shall be 4-inch square by 1-inch thick. Anchor plates
18 for 2-inch diameter anchor bolts shall be 6-inch square by 1-inch thick.
- 19 5. One (1) adjustable strain clamp to be mountable between 26 to 28 feet above the
20 base. Clamp shall provide facility to attach span wire at four-quarter points.
- 21 6. Provisions for mounting a mast arm of specified length. All poles shall be
22 supplied with one mast arm mounting flange. The centerline of the flange shall be
23 approximately 6 inches below the top of 38-foot poles and 24 inches below the
24 top of 30-foot poles. The flanges shall conform with the detail drawing included in
25 the Special Provisions. Poles ordered without mast arms but with provisions for a
26 later addition of a mast arm shall be provided with a metal cover and gasket to
27 protect the opening being provided. The cover shall be bolted to the pole using
28 the holes provided for fastening the mast arm.
- 29 7. One (1) two-inch coupling to receive clamp-on type aluminum weatherhead
30 positioned at 27 feet, and no more than 45° from the location of the mast arm,
31 unless otherwise specified.
- 32 8. One (1) 1-1/4-inch coupling for wire inlet located directly opposite the mast arm.
- 33 9. One (1) grounding lug-hole in lip of handhole for 1/2-NC brass bolt.

34 35 **9-29.6(6)B Luminaire Mast Arms**

36
37 Each mast arm shall have sufficient strength with a 1.8 safety factor to support a 70-
38 pound luminaire on an 18-foot mast arm per the latest AASHTO Specifications for
39 Structural Supports for Highway Signs, Luminaires and Traffic Signals.

40
41 Material and workmanship shall conform to the best commercial standards of the
42 industry.

43
44 The mast arm and its fastening shall be constructed of steel conforming to Section 9-
45 29.6.

46
47 Each mast arm shall support a ballast-in-head luminaire and shall provide a luminaire
48 mounting height of approximately two (2) feet above the strain pole mounting flange.

49
50 The mast arm shall provide a horizontal extension from the center of the pole to the
51 center of the luminaire as shown in the Plans.

1 The mast arm shall be of tapered construction. The luminaire end of the mast arm shall
2 not exceed 2.375 inches O.D. for a minimum distance of 8 inches. The outside arm
3 diameter at the pole flange shall not exceed 5.88 inches.

4
5 The mast arm shall be capable of being fastened to the mast arm mounting flange
6 dimensioned in the detail drawing. All mounting bolt heads shall clear the weld.

8 **9-29.10 Luminaires**

9 *This section is supplemented with the following:*

10
11 Unless otherwise shown in the Plans all new luminaires shall be Light Emitting Diode
12 (LED) fixtures conforming to these Specifications.

13
14 Luminaires shall be provided with utility labels. Utility labels shall show actual total
15 system wattage for LED luminaires.

16
17 All LED Luminaires shall conform to the following minimum criteria:

- 18 • UL Listed
- 19 • A Qualified Product on one of the following fixture lists:
 - 20 ○ Energy Star
 - 21 ○ Design Lights Consortium
 - 22 ○ Lighting Design Lab
- 23 • Warranty: 10 Year Minimum including power driver and LED chips.
- 24 • Input Voltage: 120-277V
- 25 • Color Rendering Index (CRI): 70 Minimum
- 26 • Correlated Color Temperature (CCT): 4000-5300K
- 27 • Calculated Lumen Maintenance Factor (LMF): 100,000 hours or more (L70 at
28 25°C/77°F) in accordance with IESNA TM-21-11 and IESNA LM-80-08
- 29 • Surge suppression protection: 10kV (IEEE/ANSI C62.41.2)

31 **9-29.10(1) Conventional Roadway Luminaries**

32 *This section is supplemented with the following:*

34 **Photometrics**

35 Unless otherwise specified, the light distribution shall be IES Type III, medium, cutoff.

36
37 Photometric Performance:

38 Flat lens luminaires shall have a total downward utilization greater than 65%.

39 Drop lens luminaires shall have a total downward utilization greater than 70%.

40
41 Photometric performance shall be verified with photometric report from an independent
42 testing laboratory. Report should be submitted with the Bid when requested. Failure to
43 supply report within ten (10) working days of bid opening may be cause, at the
44 Contracting Agency's discretion, for the Bid to be considered non-responsive.

46 **Ballasts**

47 Ballasts shall be suitable for operation on 240 volt circuits unless otherwise stated.

48
49 150 watt luminaires shall be 55 volt design.

50
51 Each luminaire shall have fuses and fuseholders for each power conductor above
52 ground potential. Fuses shall be 10.3mm x 38.1 mm (13/32" x 1.5"). Fuses shall be slow
53 blow type (carry 110%, open at 135% within 1 hour, carry 200% for minimum of 10

1 seconds). Luminaires 250 Watts and below shall have 5 amp fuses. Luminaires above
2 250 watts shall have 10 amp fuses.

3
4 Luminaires shall have receptacle for ANSI standard twistlock photoelectric controls. For
5 240 volt luminaires the photocell shall be wired for 240 volts.

6
7 *This section is supplemented with the following new section:*

8 **9-29.10(1)A LED Roadway Luminaires**

9
10 Each luminaire shall have LED compatible fuses (in conformance with the
11 manufacturer's recommendations) and fuseholders for each power conductor above
12 ground potential. Fuses shall be located in the fixture head. Fuses shall be 10.3mm x
13 38.1 mm (13/32" x 1.5"). Fuses shall be slow blow type (carry 110%, open at 135%
14 within 1 hour, carry 200% for minimum of 10 seconds). Luminaires 250 Watts and below
15 shall have 5 amp fuses. Luminaires above 250 watts shall have 10 amp fuses.

16
17 LED Roadway Luminaire housings shall be grey/silver and fabricated of aluminum. The
18 power-door shall be fabricated from either aluminum or a UV resistant polymer. Power-
19 door access shall be tool-less.

20
21 LED Roadway Luminaires shall be equipped with a 7-pin NEMA Photocell Receptacle.

22
23 Where specific luminaires are called out in the project documents, as the basis of the
24 lighting design, the specified luminaires may be provided in accordance with the
25 requirements of Sections 8-20 and 9-29. An alternate product may be provided for the
26 LED Roadway Luminaire provided that the luminaire meets all the conditions of this
27 section and meets the following conditions:

- 28 • LED Roadway Luminaires shall be one of the following products:
 - 29 ○ Beta/Cree – XSP Series or LEDway Series
 - 30 ○ Leotek – Green Cobra Series
 - 31 ○ GE – Evolve Series
 - 32 ○ American Electric Lighting/Holophane – Autobahn Series
- 33 • The total system wattage shall not exceed the total system wattage specified.
- 34 • A full electrical and photometric design shall be provided for review by the City.
35 Submittals shall be Type 3E and stamped and signed by a licensed Professional
36 Engineer. The alternate product selected shall meet or exceed the designed
37 product. Contact the City of Tacoma Traffic Engineering Section for a list of
38 design assumptions and criteria utilized in the lighting design.
- 39 • BUG Ratings for LED Roadway Luminaires shall be in conformance with Chapter
40 5 – Section 3.1 (Table 5-1) of the City of Tacoma Design Right of Way Design
41 Manual

42
43 **9-29.11 Control Equipment**

44
45 **9-29.11(2) Photoelectric Controls**

46 *This section is revised to read:*

47
48 The photoelectric control shall be the twistlock type and the light sensitive element shall
49 be a solid state photo diode. The control shall be designed to turn on at 2.6 foot-candles
50 (+/- 20%) and turn off at 2.6 foot-candles (+/- 20%). The lighting control shall not drift by
51 more than 1 per cent over a 10-year period.

52

1 The output control relay shall be electro-mechanical. The time delay for both turn on and
2 turn off shall be a minimum of one second and maximum of 5 seconds. The output relay
3 shall be rated 1000 watts incandescent or 15 amps inductive load. The contacts shall be
4 normally closed.

5
6 The lighting control shall have a built in metal oxide varistor (MOV) rated a minimum of
7 160 joules for lightning and transient protection. The control shall also have secondary
8 zener diode and transient filter. The relay shall be suitable for operation on 240 volt, 60
9 hertz electrical circuits.

10
11 Dimensions shall conform to ANSI specifications for twistlock photocells.

12 13 **9-29.12 Electrical Splice Materials**

14 15 **9-29.12(1) Illumination Circuit Splices**

16 *This section is revised to read:*

17
18 Splices and taps shall be made with solderless crimp connectors on underground and
19 overhead circuits to securely join the wires both mechanically and electrically. Splices
20 shall be sealed in accordance with 8-20.3(8).

21 22 **Thermoplastic Electrical Insulating Tape**

23 Electrical tape shall be made by the same manufacturer and compatible with the
24 electrical coating utilized to form a complete system that both insulates and protects the
25 splice. Electrical tape shall be based on polyvinyl chloride (PVC) and/or its copolymers
26 and have a rubber-based, pressure-sensitive adhesive. The tape shall have a voltage
27 rating of 600V (UL510). The tape shall be 7 mils thick, and be UL Listed and marked per
28 UL Standard 510 as "Flame Retardant, Cold and Weather Resistant." The tape shall be
29 resistant to abrasion, moisture, alkalis, acids, corrosion, and varying weather
30 conditions, including ultraviolet exposure. The tape must be applicable at temperatures
31 ranging from 0°F through 100°F (-18°C through 38°C) without loss of physical
32 properties. The tape shall have an operating temperature up to 220°F (105°C). The tape
33 shall be classified for use in outdoor environments. The tape shall be compatible with
34 synthetic cable insulations, jackets and splicing compounds. The tape will remain stable
35 and will not telescope more than 0.1 inches when maintained at temperatures below
36 120°F (50°C).

37 38 **Moisture Resistant Electrical Coating**

39 Electrical Coating shall be made by the same manufacturer and compatible with the vinyl
40 electrical tape utilized to form a complete system that both insulates and protects the
41 splice. Electrical Coating shall seal and bond the tape and be suitable for direct burial,
42 direct water immersion, and above ground applications. Electrical coating shall be
43 flexible when dry. Electrical coating shall consist of the solvents Acetone, Methyl Ethyl
44 Ketone and Toluene and shall contain synthetic rubber and resin solids.

45 46 **9-29.12(2) Traffic Signal Splice Material**

47 *This section is revised to read:*

48
49 Induction loop splices and magnetometer splices shall include an uninsulated barrel-type
50 crimped connector capable of being soldered. The insulating material shall be a heat
51 shrink type meeting requirements of 9-29.12(1)A.

52

1 **9-29.13 Control Cabinet Assemblies**

2 *This section is revised to read:*

3
4 Cabinet shall be wired for a Siemens M60 Controller TS 2, Type 1.

5
6 **9-29.13(1) Traffic Control Cabinets**

7 Each Traffic Controller Cabinet shall meet the following requirements:

- 8
9
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40
1. The Controller Cabinet shall be a NEMA P44 Controller Cabinet. The cabinet shall be constructed of 0.125" minimum thickness 5052 H32 ASTM B209 aluminum alloy and be of clean cut design and appearance. The cabinet shall be unfinished, inside and outside. The cabinet shall be provided with a UL sticker, and shall meet NEMA 3R rating for enclosures.
 2. The cabinet shall have aluminum interior metal side mounted panels for mounting auxiliary equipment without drilling through the outer cabinet. Panels shall be mounted on "C" channel rails sufficient in strength to accommodate planned and future equipment needs.
 3. The cabinet shall have two (2) aluminum shelves with a 3/4" lip on the front edge of the shelf.
 4. A hinged door shall be provided permitting complete access to the cabinet and the equipment to be contained therein. When closed, the door shall fit closely to the gasket material making the cabinet weather-resistant and dust tight. The door shall be provided with a standard traffic signal Corbin lock with a #2 key. The door hinge pins shall be stainless steel and all other exposed hardware shall be non-corrosive. In addition to the main cabinet door, there shall be an auxiliary police door fitted with a standard police lock. The panel behind this door shall contain switches as detailed under auxiliary equipment.
 5. Interior cabinet welds shall be continuous for all lap and butt welds. Intermittent welds or silicone adhesive shall not be accepted in place of a weld for weathertight penetrations.
 6. The cabinet shall be designed for mounting on a concrete pad with anchor bolts and typical flanges inside the cabinet. There shall be a minimum ten (10) inch vertical clearance above the front half portion of the base area to provide a clearance for conduit and cable entering the cabinet.

41 **9-29.13(2) Submittals**

42 The following submittals will be required for the review and approval by the Contracting
43 Agency prior to fabrication and wiring:

- 44
45
46
47
48
49
50
51
52
1. Proposed cabinet layout diagram including shelving/rack locations. In addition, detailed diagrams shall be provided for the left side, right side, and back panels. Drawings shall be clearly labeled and dimensioned.
 2. Proposed cabinet wiring diagram shall be submitted for the review and approval by the Contracting Agency. Wiring of cabinets shall not commence prior to Contracting Agency approval of the cabinet wiring plan.

1 **9-29.13(3) Wiring**

2
3 All wiring within the cabinet shall be neat and firm. All cabinet wire shall be amply rated
4 for the function intended and shall include the use of terminal and suitable identification
5 labels.

6
7 Connectors and harnesses shall be provided as defined in the latest NEMA TS 1
8 standard. Connector A & B shall be supplied for the monitor unit. Connector A, B, C
9 & D shall be supplied for the controller unit. Wire for harnesses shall conform to MIL-
10 W-16878E Type B, and shall be rated to 600 volt, 105 degree Celsius. Wire shall be
11 22 gage, 19 strand. Wires shall be connected to the heads in the form of crimp-
12 pinned connections. Solder lugs shall not be allowed. Connectors shall conform to
13 MIL-C-26482 Series 1. Cables shall be covered with nylon expandable sleeving.
14 Spiral wrap shall not be used. Termination points of the harnesses shall be
15 accessible to the technician without requiring the backpanel to be dropped. Unused
16 harness wires shall be tied to the furthest location on the front of the backpanel and
17 shall be capped off.

18
19 Wires other than harnesses for the monitor and controller shall be THHN, rated at
20 600 volt, 105 degree Celsius, and shall be a minimum of 22 AWG.

21
22 Non insulated connectors shall be utilized for all connection to the TS2 Terminal Strip.

23
24 **9-29.13(4) Auxiliary Equipment**

25
26 **9-29.13(4)A Traffic Signal Controller**

27
28 Traffic Signal Controller shall be a Siemens M60 ATC Controller. The Contractor shall
29 contact the City of Tacoma Traffic Signal Shop at 253-491-5287 to obtain the current
30 firmware version to be utilized. The Contractor shall include an M50 sub-assembly data
31 key module and a 5MB flash data key.

32
33 **9-29.13(4)B Malfunction Management Unit (MMU)**

34
35 The cabinet shall come with a (MMU) that meets all the requirements of NEMA TS2-
36 2003 while remaining downward compatible with NEMA TS1. The MMU shall be from
37 one of the following manufacturers:

- 38 • Eberle Design, Inc. model MMU-16LEip
- 39 • Peek Double Diamond
- 40 • Reno MMU-1600G with Ethernet Port.

41
42 Contractor shall provide a compatible TS2 program card.

43
44 **9-29.13(4)C Vent fan**

45
46 A thermostat controlled vent fan assembly with screened vents with replaceable filters
47 for cabinet ventilation. The fan shall have a rating of 100 CFM and the thermostat setting
48 to allow variable turn-on between 90 degrees and 140 degrees Fahrenheit. The fan
49 motor shall use ball-bearings. This unit shall be fitted with an electrical noise suppressor.

1 **9-29.13(4)D Load Switches**

2
3 Modular solid state relay load switching assemblies, in accordance with the latest NEMA
4 TS 1 Standards, shall be used for opening and closing signal light circuits and shall be
5 jack-mounted external to the controller unit. Indicator lights shall be connected to input
6 circuits. Load switches shall be rated at twenty-five (25) amps per circuit. Each cabinet
7 shall contain twelve (12) load switches.
8

9 **9-29.13(4)E NEMA Flasher**

10
11 The flasher shall be solid state, two circuit with a minimum current rating of twenty-five
12 (25) amps per circuit.
13

14 **9-29.13(4)F Loop Detector Card Rack**

15
16 A fully wired 16 position card rack shall be installed. Rack shall be secured to the
17 detector shelf in such a manner as to afford easy access for maintenance. The rack shall
18 accommodate 4.5 inch high, 6.875 inch long, 1.12 inch wide two channel, two output per
19 channel detector modules. Connectors shall be 44 contacts (22 each side) spaced on
20 0.156" centers. Provide (2) bus interface units (BIU). These shall meet all the
21 requirements of NEMA TS-2 1988 standards. In addition, all BIUs shall provide separate
22 front panel indicator LED's for DC power status and SDLC Port 1 transmit and receive
23 status. The (BIU)'s shall be Eberle Design, Inc. model BIU-700, Econolite model BIU-64,
24 Reno A&E model BIU/2, or Engineer approved equal.
25

26 **9-29.13(4)G Detector Power Supply**

27
28 Auxiliary power supply for detectors power shall meet minimum TS 2-2003 standards
29

30 **9-29.13(4)H Ethernet over Copper Switch**

31
32 Ethernet over Copper Switch shall be Actelis ML 684D with two SFP-LC ports, unless
33 otherwise specified. A standard 110 VAC power adapter, a DSL-Octal Cable 2xRJ45,
34 and a minimum 6' Ethernet patch cable shall be provided with each.
35

36 **9-29.13(4)I Preemption/Priority Equipment**

37
38 Preemption/priority phase selector equipment shall include an Opticom Model 760 Card
39 Rack and an Opticom Model 764 Multimode Phase Selector.
40

41 **9-29.13(5) Electrical Design**

42
43 **9-29.13 (5)A Side Panels**

44
45 Left and Right Side Panels shall be 12"x47" in one continuous piece of smooth finish
46 aluminum no smaller than 16 gauge and no larger than 12 gauge. The side panels are to
47 be mounted 13" from rear and 2" from bottom of cabinet.
48

49 The left side panel shall contain the following:

- 50 1. TS2 - Loop Field Wire Terminals, 64-position, double row, high barrier block
51 with #6/32 slotted brass screws.
- 52 2. TS3 - Ped and Pre-Empt Terminals, 24-position, double row, high barrier
53 block with #6/32 slotted brass screws.

3. TS4 - Special Function Terminals, 30-Position, double row, high barrier block with #6/32 slotted brass screws. Wired to a 37 pin "D" connector w/clips.
4. TS9 - Isolated Neutral Buss, 24 Position, solid copper bar with #10/32 slotted brass screws.
5. TS18 – SDLC Termination, 10-position, double row, high barrier block with #6/32 slotted brass screws.
6. GB1 - Ground buss, 10-position, standard copper grounding buss bar suitable for #14 through #4 cu.

The right side panel shall contain the following:

7. TS11 - Isolated Neutral Buss, 24-position, solid copper bar with #10/32 slotted brass screws.
8. TS14 - Communication Terminals, 12-position, double row, high barrier block with #6/32 slotted brass screws.
9. TS15 - Detector Power Terminals, 8-position, double row, high barrier block with #6/32 slotted brass screws.
10. TS20 – Line Side AC Terminal, 2-position, double row, deadfront block suitable for #6 cu.
11. GB2 - Ground buss, 20-position, standard copper grounding buss bar suitable for #14 through #4 cu.

9-29.13(5)B Back Panel

The Back panel shall include the following:

1. A flash panel control assembly using NEMA flashing relays to provide flashing sequence for a minimum of ten (10) circuits. All spare circuits shall be wired and terminated on a terminal strip and shown on the wiring diagram. The intersection shall be capable of being placed on flashing operation by the conflict monitor, remote input, internal controller time clock and door switch. Conflict flash shall be all-red. Remote and internal controller time clock flash shall be in accordance with MUTCD flash.
2. Load switch sockets 1, 4, 5, and 8 wired to flasher circuit #1. Load switch sockets 2, 3, 6, and 7 wired to flasher circuit #2.
3. Install 2200 ohm, 10 watt load resistors on the green and yellow outputs of load switch sockets 1, 3, 5, 7, and 13. The resistors should be mounted to afford good air circulation.
4. Screw-type terminal strips for all NEMA controller input and output functions.
5. A minimum of thirteen sockets for NEMA load switches.
6. Load switch sockets 1 through 8 shall be for vehicle phases, 9 through 12 for pedestrian phases, and 13 wired and terminated on the back panel.
7. All terminals to be labeled front and rear of back panel.
8. All wire to enter lower edge to facilitate folding down back panel.
9. Hinging of back panel not to interfere with operation of signal while in service.
10. Bottom of back panel to be 7" above bottom of cabinet.

9-29.13(5)C Power Panel

The power panel shall be located in the lower right of the cabinet.

The power panel shall contain a 30 AMP circuit breaker, transient and over voltage protection lightning arrestors, 60 AMP line filter, solid state contactor rated for 50-amp

1 minimum to supply loadbay power. An auxiliary 15 AMP circuit breaker shall be provided
2 to supply GFI, fan and cabinet light.

3
4 Line side power terminal shall be a deadfront type rated at a minimum of 300V, 50 amp
5 suitable for #6 cu.

6
7 Power panel shall include a two-stage, electrically isolated transient voltage suppressor
8 capable of dissipating a high energy surge of 20KA (8x20 microsecond pulses) while
9 clamping the output voltage to 340 volts or less. Isolation shall be provided between the
10 neutral and ground connections.

11
12 Circuit breakers shall be Seimens, Square D, GE, Eaton/Cutler Hammer, or Engineer
13 approved equal.

14 15 **9-29.13(5)D Convenience Outlets**

16
17 A 120 VAC GFI type outlet with screw terminals shall be provided and mounted as part
18 of the Auxiliary panel. A second non-GFI outlet, on a separate circuit will be mounted at
19 the upper left corner of the right side panel.

20 21 **9-29.13(2)E Cabinet Illumination**

22
23 Two LED light strips shall be provided for cabinet illumination. One shall be mounted to
24 the top front of the cabinet interior, and shall be rated at a minimum of 475 lumens. A
25 second LED light to illuminate the load bay area shall be mounted under the lower shelf
26 and be rated at a minimum of 240 lumens. A door switch shall be wired so as to allow
27 the lights to operated only when the door is open.

28 29 **9-29.13(5)F Police Panel**

30
31 The police panel shall contain the following switches:

- 32
33 1. Main Power Switch: This shall completely shut down power to the cabinet.
34 The switch shall be rated at 50 Amps
- 35 2. Auto/Flash Switch: This shall put the intersection into flashing operation when
36 placed in the "Flash" position. It shall also apply Stop Time to the Controller
37 when place in the "Flash" position.

38 39 **9-29.13(5)G Auxiliary Panel**

40
41 The auxiliary panel, mounted on the inside of the door, shall contain the following
42 switches:

- 43
44 1. Three-position detector switches (auto/off/test) to lock in all three positions.
- 45 2. Manual switches (auto/test) to test pre-empt 5, & 6.
- 46 3. Switch to select coordination or free operation.
- 47 4. Switch for cabinet light.
- 48 5. Stop time switch (on-off-auto).
- 49 6. Controller power switch (on-off).
- 50 7. Auto-flash switch.
- 51 8. Switch to select Interconnect or Timebase Operation.
- 52

1 **9-29.15 Flashing Beacon Control**

2 This section is revised to read:

3
4 **9-29.15 Pedestrian Activated Crosswalk Beacons**

5
6 Crosswalk beacons shall be with two flashing beacons, unless otherwise specified,
7 independently aimable, with wireless control of the other beacons at the pedestrian
8 crossing. Unit shall be one integral assembly which includes the two beacons, control
9 circuitry and inter-beacon radio communications hardware and software. Indicator heads
10 shall be green unless otherwise specified. All circuitry and batteries shall be contained
11 within the indicator heads. A separate post mounted controller box shall not be
12 acceptable.

13
14 Beacons shall have 8 inch amber faces and meet MUTCD and ITE specifications for the
15 intended application. Flashing modes shall include MUTCD specification ½ second on,
16 ½ second off and high visibility strobe pattern. Variations shall include synchronized or
17 wig-wag (alternating). Flashing duration shall be variable from 5 seconds to 60 seconds.
18 Beacons shall have inputs for activation by pedestrian pushbuttons and wirelessly
19 transmitting the activation to the other beacons at the pedestrian crossing.

20
21 Beacon shall incorporate inter-beacon radio communication via spread spectrum radio
22 using ISM 902-928 Mhz. Unit shall include minimum of 8 unique addresses for multiple
23 units in close proximity. Communication shall have a minimum range of 300 feet.

24
25 Units shall have separate solar panels and batteries for each individual beacon. Solar
26 panels shall be minimum 4 watt per beacon. Batteries shall be commercially available
27 minimum 25 AH. Fully charged units shall have capacity for one month of continuous
28 operation based on 300 20-second LED flash cycles per day.

29
30 Mounting shall be compatible with the specified pole. Contractor shall be responsible for
31 coordinating the mounting interface between the pole and crosswalk beacon assembly.

32
33 **9-29.16 Vehicular Signal Heads, Displays, and Housing**

34
35 **9-29.16(2)B Signal Housing**

36 *The second paragraph is supplemented with the following:*

37
38 The door shall open a minimum of 160 degrees.

39
40 *The third paragraph is supplemented with the following:*

41
42 The sections shall be held firmly together by corrosion-resistant hardware in such a
43 manner that additional sections may be added easily.

44
45 *The fourth paragraph is supplemented with the following:*

46
47 The terminal strip for a standard three-section head shall be a minimum five-position,
48 ten-terminal, barrier-type strip with No. 8 screw-type fasteners. To one side of each
49 terminal shall be attached the white, red, yellow and green signal section leads, leaving
50 the opposite terminal for field wires. Multi-section heads shall be provided with a terminal
51 strip located in the yellow (center) section. lead shall be No. 18 AWG type with 1/32-inch
52 wall, 105-1/4 centigrade thermoplastic insulation.

53

1 **9-29.16(3) Polycarbonate Traffic Signal Heads**

2 *This section is deleted.*

3
4 **9-29.17 Signal Head Mounting Brackets and Fittings**

5 *This section is revised to read:*

6
7 Vehicle and pedestrian signal heads shall be as detailed in the standard plans.

8
9 Span wire vehicle signal hanger hardware shall consist of span wire clamp, balance
10 adjuster, wire entrance fitting and vehicle head locking device.

11
12 A. Construction

- 13 1. Bronze hangers are required.
- 14 2. The minimum size of pins shall be 5/8-inch diameter. Pins shall be stainless
15 steel.
- 16 3. The minimum size of the 'J' or 'U' cable clamps is 1/2-inch diameter. Cable
17 clamp bolts shall be stainless steel. Clamping insert shall be used.
- 18 4. The cable saddle shall be at least 9 inches long.
- 19 5. All cotter pins shall be brass and washers shall be stainless steel.
- 20 6. All hardware shall be of stainless steel, bronze or brass materials.
- 21 7. Signal stem shall be locked with a square headed set screw 1/4-inch
22 minimum in diameter.
- 23 8. Wire entrance shall be a minimum of 1-1/4-inch diameter and shall have a
24 female threaded base for nipple.
- 25 9. The balance adjuster directional lock shall be of the clamping type with 1/2-
26 inch through bolt for locking. No set screw or lock nut acceptable.
- 27 10. All stems shall be secured to signal head with proper lock fitting.

28
29 Vehicle signal heads attached to a mast arm shall use a type M mounting bracket as
30 detailed in the standard plans and in accordance with Section 8-20.3(14)B and Section
31 9-29.17.

32
33 **9-29.18 Vehicle Detector**

34 *This section is supplemented with the following:*

35
36 **9-29.18(3) Thermal Detection System**

37
38 The system provided shall provide all necessary components required in order to fully
39 install, setup, test, operate and maintain a fully functional detection system, including,
40 but not limited to, the following components:

- 41 1. Thermal imaging video cameras, including camera enclosure, lens, lens
42 adjustment modules, filters, sunshields and connector kits where applicable.
- 43 2. Camera mount assemblies, including extensions as required.
- 44 3. Camera mount utility box with connectors.
- 45 4. Video Image Processors
- 46 5. Input/output expansion modules
- 47 6. 9.5" to 10" LCD video monitor, including cable
- 48 7. Camera control keypad or otherwise applicable programming devices or
49 software. One device is required for each cabinet.
- 50 8. Surge suppressors (in cabinet)
- 51 9. Data and power cables
- 52 10. Video System Communication Module
- 53 11. All other equipment necessary for a fully operational detection system.

1
2 The Video System Communication Module and the Input/Output Expansion Module shall
3 be the same manufacturer as the Video Image Processor. All other equipment shall be
4 fully compatible with the thermal cameras, and Video Image Processors and shall be in
5 accordance with the manufacturers recommendations.
6

7 **9-29.18(3)A Thermal Detection Cameras**

8
9 The cameras shall use thermal imaging technology and meet the following requirements:

- 10 1. Interface with Video Image Processor (VIP) in the controller cabinet
- 11 2. Array Format: 320x240 NTSC
- 12 3. Detector Type: Long-Life, Uncooled VOx Microbolometer
- 13 4. Effective Resolution: 76,800
- 14 5. Pixel Pitch: 25µm
- 15 6. Focal Length (Field of View): 9mm(489mml d o), 13mm(34° × 26°) or
16 19mm(24° × 18°)
- 17 7. Spectral Range: 7.5 to 13.5 µm
- 18 8. Focus Range: Athermalized; focus-free
- 19 9. Outputs: BNC and connector-free video cable terminal strip
- 20 10. Video Output: NTSC or PAL
- 21 11. Input Voltage: 90-240 VAC Single Phase
- 22 12. Mounting Provisions: Two ¼-20 threaded holes, 1" spacing along centerline
23 front to back
- 24 13. IP66 rated
- 25 14. Operating Temperature Range: -50°C to 75°C
- 26 15. Meets or exceeds NEMA TS 2-2003 requirements for operating voltage,
27 operating frequency, ambient temperature, humidity, vibration & shock.
- 28 16. 10 year detector warranty, 2 year parts and labor
29

30 **9-29.18(3)B Video Image Processor**

31
32 The Video Image Processor (VIP) shall be modular by design and fit directly into NEMA
33 TS1 & TS2 type racks. The VIP shall be interchangeable between a shelf or rack mount
34 installation without replacing or modifying existing VIP units.
35

36 The Video Image Processor shall meet the following requirements:

- 37 1. The VIP shall provide a "Thermal On/Off" setting so the system can be
38 optimized to work with the image from a thermal camera.
- 39 2. The system shall control from 1 to 6 VIP boards allowing for 1 to 12 image
40 sensors.
- 41 3. The system shall be designed to operate reliably in the adverse environment
42 of roadside cabinets and shall meet or exceed all NEMA TS1 and TS2
43 environmental specifications.
- 44 4. Ambient operating temperature shall be from -34 to +74 degrees Centigrade
45 at 0 to 95% relative humidity non-condensing.
- 46 5. The system shall be powered by 12-40 VDC and draw less than 2 amperes.
- 47 6. The system shall utilize cabinet 24 VDC for rack mount installations or
48 external 24 VDC for stand-alone shelf installations.
- 49 7. Surge ratings shall be set forth in the NEMA TS1 and TS2 specifications.
- 50 8. Serial communications shall be through an RS232 serial port. This port can
51 be used for communications into a modem or laptop to upload/download
52 detector configurations, count data and software upgrades. RS485 on the
53 rear edge connector shall facilitate communications to other VIP boards.

- 1 9. Each VIP board shall have 4 opto-isolated open collector outputs. Twenty
2 (20) additional outputs shall be available via the expansion port. The VIP/3Ds
3 shall have 20 presence detection zones and 4 data detection zones per
4 camera. Data zones shall collect and store vehicle counts, volume, speed,
5 gap time, headway, occupancy, and classification. Data shall be time-
6 stamped (6713 intervals) and stored onboard (non-volatile memory) in
7 intervals from 1-60 minutes.
- 8 10. Data alarms are generated for: queue, inverse direction, speed drop, no
9 video, and errors.
- 10 11. Must be able to provide single or double loop emulation.
- 11 12. Presence hold time must have parameters that range from 10 to 600
12 seconds.
- 13 13. Each VIP board shall allow for 20 digital inputs via the I/O Expansion port.
- 14 14. Each VIP board shall have error detection. Outputs will be turned "ON" if the
15 video signal is bad or the VIP board is not functioning properly. A user
16 defined quality level will automatically put selected outputs to recall in cases
17 of severe degraded visibility (i.e., fog, blizzard, etc.). Normal detection
18 resumes when visibility improves above the user defined quality level.
- 19 15. Operator selectable recall shall be available via the VIP front panel. Holding
20 the recall switch on for 5 seconds shall activate this function.
- 21 16. A video select button on the VIP front panel will switch between camera
22 images.
- 23 17. The VIP board shall have 2 video inputs (RS-170 NTSC or CCIR composite
24 video) and one video out.
- 25 18. The VIP board shall have a reset button on the front panel to reset video
26 detectors to "learn" the roadway image. During "relearn", selectable recall can
27 be enabled or disabled for immediate operation. Learning time of video
28 detectors shall be less than 6 minutes.
- 29 19. External surge suppression, independent of the VIP board shall separate the
30 VIP from the image sensor.
- 31 20. The VIP module shall have an onboard database capable of time stamping
32 and storing 500 events. The Event Log Database can be viewed or
33 downloaded to a selected spread sheet. Erasure of the Event Log Database
34 shall not alter programmed configurations. As a minimum, the VIP shall log
35 and time stamp the following events:
 - 36 a. Firmware upgrade.
 - 37 b. Loss of video signal.
 - 38 c. Resumption of video signal.
 - 39 d. Configuration change.
 - 40 e. Bad video quality.
 - 41 f. Loss of power to VIP module.
 - 42 g. Resumption of power to VIP module.
 - 43 h. Speed alarm.
 - 44 i. Inverse direction.
 - 45 j. Recall activated.
- 46 21. The VIP module shall perform the following functions:
 - 47 a. Real Time Detection
 - 48 b. Each VIP board shall be capable of processing the video signal of one or
49 two cameras. The video signal shall be analyzed in real time (30 times
50 per second for NTSC video format and 25 frames per second for pal
51 video format).
 - 52 c. The system shall be expandable up to 12 cameras that may be
53 connected to different VIP units and programmed independently.

- 1 d. The system shall be capable of displaying detectors on the video image
2 with associated outputs. Outputs/Inputs status will be indicated on the
3 screen. Parameters will also include the ability to view raw video without
4 any verbiage and/or detectors for surveillance purposes.
- 5 e. Each VIP board will detect within the view of the connected camera the
6 presence of vehicles in user defined zones. Detectors available shall be
7 presence, count, delay, extension, or pulse mode for either arrival or
8 departure of vehicles. Delay and extension shall be defined between 0.1
9 – 99.9 seconds and pulse mode between 0 – 200ms in 33ms increments if
10 NTSC is used. Each VIP board shall also detect and collect within the
11 view of the connected camera traffic data of passing vehicles in user-
12 defined zones.
- 13 f. Collected traffic data by direction shall include:
14 • Volume (absolute numbers) per length class and per lane.
15 • Average speed (km/h or mph) per length class and per lane.
16 • Average gap time (1/10 sec) per length class and per lane.
17 • Average headway (m or feet) per lane.
18 • Occupancy (%) per lane
19 • Concentration (vehicles/km or mile) per lane.
20 • Average length (m or feet) per lane.
21 • Confidence level (0-10) per lane.
- 22 g. The VIP board shall be programmed without the use of a 40 supervisor
23 computer. A standard CCTV monitor and keypad 41 plugged into the VIP
24 serial port will facilitate detector 42 programming.
- 25 h. The VIP board shall store up to 4 detector configurations. It shall be
26 possible to switch between detector configurations manually,
27 automatically by time of day or remote input.
- 28 i. Via the serial port, detector configurations can be uploaded to a laptop
29 and stored on disk.
- 30 j. Detectors may be linked to 24 outputs and 20 inputs using Boolean Logic
31 features: AND, OR, NOT. It will be possible to generate conditional
32 outputs based upon inputs from a controller.
- 33 k. It shall be possible to make a detector directional sensitive. Options will
34 include an omni-directional detector or a detector that only senses
35 movement: from right to left, left to right, up to down or down to up as you
36 look at the monitor.
- 37 l. All detectors and parameters can be changed without interrupting
38 detection. For example: when one detector is modified all existing
39 detectors continue to operate, including the one that is being modified.
40 When the new position is confirmed, the new detector will enter a learning
41 phase. Once the new detector is in function it will take over the job of the
42 old one. In this way, the detector is always fully operational with no
43 interruption on any detector, even during modification. Learning phases
44 for new detectors shall not exceed 6 minutes.
- 45 m. Four data detection zones per camera on a two camera VIP board may
46 be used for collection of vehicle count, speed, classification, occupancy,
47 density, headway, and gap time.
- 48 n. Eight data detection zones may be used on a single camera VIP board.
- 49 o. These detectors will detect and store traffic data at user-defined intervals
50 of 1, 2, 3, 5, 6, 10, 15, 30 & 60 minutes. It shall be possible for each VIP
51 board to store up to 6713 intervals of data in non-volatile memory.
- 52 p. Associated software may be used with a PC to download data and export
53 to a spreadsheet. Software will also be used to upload and download

- 1 detector configurations, traffic data, technical events, send software
2 versions upgrades and do remote setup of detectors.
- 3 q. The VIP board shall have an internal clock with daylight saving time
4 system, which can be enabled or disabled.
 - 5 r. The VIP board shall provide overlaid tool tips for each individual menu-
6 and submenu-items.
 - 7 s. The VIP board shall have an optional password implementation. Different
8 user-levels shall be available each having different rights.
 - 9 t. A minimum of 10 users can be defined for each user-level.
 - 10 u. The VIP board shall be able to delay or extend a detector zone output in
11 combination with an input from the controller.
 - 12 v. The VIP board shall detect wrong-way drivers and shall provide an
13 alarm/event via communication board and/or output.
 - 14 w. The VIP board shall provide an alarm and/or output when the user
15 selected queue detection threshold of occupancy is exceeded for more
16 than a user selected time threshold.
 - 17 x. The VIP board shall distinguish five classes of detected vehicles based
18 upon user selectable vehicle length thresholds.
 - 19 y. The VIP shall be able to emulate loop emulation with user selectable loop
20 dimensions.

21 22 **9-29.18(3)C Video System Communication Board**

23
24 The Communication board shall be of the same manufacturer as the Video 14 Image
25 Processor.

26
27 The Communication board shall be modular by design and housed in either a self-
28 contained stand-alone unit or fit directly into NEMA TS1 & TS2 type racks.

29
30 The Video System Communication Board shall meet the following requirements:

- 31 1. The Communication board shall control from 1 to 6 VIP boards allowing
32 for 1 to 12 image sensors.
- 33 2. The system shall be designed to operate reliably in the adverse
34 environment of roadside cabinets and shall meet or exceed all NEMA
35 TS1 and TS2 environmental specifications.
- 36 3. Ambient operating temperature shall be from -34 to +74 degrees
37 Centigrade at 0 to 95% relative humidity non-condensing.
- 38 4. The system shall be powered by 12-40 VDC and draw less than 2
39 amperes.
- 40 5. Serial and Ethernet (TCP/IP) communications shall be through
41 respectively an RS232 serial port (F DB9 connector) and Ethernet port
42 (RJ-45 connection). These ports can be used for communications to a
43 laptop or modem to upload/download detector configurations, traffic data,
44 technical events, send software upgrades and do remote setup of
45 detectors. RS485 on the rear edge connector shall facilitate
46 communications to VIP boards.
- 47 6. Surge ratings shall be set forth in the NEMA TS1 and TS2 specifications.

48 49 **9-29.18(4) LED Optical 3D Detection System**

50
51 The Optical 3D Detection System shall be an auto ranging device that detects all types
52 of vehicles, including motorcycles and bicycles within the detection zones by measuring
53 the time-of-flight of non-visible light emitted by LED's (light emitting diodes) in the sensor

1 and reflected by objects (vehicles) in programmed detection zones. The detected zone
2 actuation shall be communicated to a traffic signal controller through the controller
3 interface card. The sensor shall operate and provide accurate presence and pulse
4 detection at a range of up to 200 feet from the sensor. The Optical 3D Detection System
5 shall consist of a single enclosure that contains the integrated sensor and shall include
6 the LED light pulse emitter, sensor receiver, detection processor, image sensor and the
7 integrated image sensor pan and tilt platform. The controller interface cards shall be a
8 four channel configuration. Communication and power between the sensor and the
9 controller interface card shall be provided via a single Ethernet CAT 5 cable. A 48 volt
10 power supply that powers up to four sensors shall be provided. Software to configure the
11 sensor and the controller interface card shall be included with each sensor.

12 **System Operations**

13 Configuration of each sensor and controller interface card shall be with a standard PC
14 operating on the Windows XP, Windows Vista or Windows 7 operating system. The
15 software shall be included with each sensor and be user friendly and intuitive and
16 require no specialized training. The sensor shall be capable of being programmed to
17 detect the presence of vehicles (car, truck, bus, motorcycle, and bicycle) in up to sixteen
18 zones of detection. A detection zone location and size shall be user definable. The
19 configuration of the detection zone shall be completed by tracing the virtual detection
20 zones on the image provided by the on-board image sensor. The sensor shall detect
21 vehicles in real time as they travel through each detection zone. The sensor shall
22 operate accurately in all types of weather conditions without significant performance
23 loss. The sensor shall be able to detect the presence of any type of vehicle that enters
24 the zone including bicycles without adjusting the sensitivity of the detection zone. The
25 sensors pan and tilt orientation shall be accessible and adjustable plus or minus 7
26 degrees in the sensor configuration mode. The sensor image shall provide an overlay of
27 the sensor's active grid 16 field-of-view range outputs, user defined detection zones and
28 the on-board image sensor display output. Software to allow remote viewing and system
29 management shall be included with each sensor. Two or more controller interface cards
30 shall be capable of being connected together via Ethernet cable to assign outputs to
31 controller as required without re-wiring the controller. The controller interface cards shall
32 be DIP switch programmable to allow for one card to serve as a DHCP server in
33 locations equipped with multiple sensors and controller interface cards. The controller
34 interface card shall have a RJ45 port for communications with an external computer for
35 configuration, diagnostic and remote management applications. The sensor and the
36 controller interface card shall be capable of accepting software and firmware upgrade via
37 a RJ45 port. The confirmation of detection shall be provided by a signal sent from the
38 sensor to the controller interface card through a CAT 5 cable. An LED indicating that the
39 call is sent to the controller shall be included on the controller interface card. One LED
40 shall be provided for each channel of detection.

41 **Sensor**

42
43 The sensor shall be a single enclosure and conform to the IP67 standard. The sensor
44 shall be one piece and water tight and shall mount easily to standard mast arms, poles,
45 etc. with standard traffic signal mounting hardware. The sensor shall operate at
46 temperatures from -29°F to +140°F (-34°C to 60°C). The sensor shall operate with 48
47 Volt DC using industry-standard Power over Ethernet (PoE) technology. The sensor
48 shall be equipped with an onboard motorized pan and tilt platform to finalize the aim of
49 the sensor, the adjustment shall provide plus or minus 7 degrees in each direction. The
50 integrated motorized pan and tilt platform shall be adjustable from the traffic signal
51 cabinet through software supplied with the sensor. The sensor shall be equipped with an
52 onboard image sensor to facilitate the detection zone set-up as well as the final
53

1 alignment of the sensor by providing a visual feedback to the operator. The sensor shall
2 be IP addressable and shall be capable of transmitting the sensor operation and images
3 via Ethernet connection to the Traffic Operations Center.
4

5 **Controller Interface Card**

6 The controller interface card shall be available in a two channel configuration, four
7 channel configuration half width and a four channel configuration. The controller
8 interface card shall operate in standard 170, 2070, TS-1 and TS-2 detector racks. The
9 controller interface card shall be equipped with a detection delay and extend feature.
10 The controller interface card shall be equipped with an LED that indicates that the
11 sensor has detected a vehicle presence and the call is being sent to the controller. The
12 controller interface cards shall be equipped with three RJ-45 connections that provide
13 connections to the sensor, LAN in and LAN out. The controller interface cards shall be IP
14 addressable and provide the access to the sensor via the RJ45 port. The controller
15 interface cards shall be equipped with DIP switches that allow the operator to configure
16 the cards to be a DHCP server and allow the daisy chaining of cards in the same cabinet
17 for Ethernet communication.
18

19 **48V Power Supply**

20 The 48 volt power supply shall be a stand-alone unit that provides power to the
21 sensor(s) through a port in the controller interface card. The 48 volt power supply shall
22 be available in two configurations. Configuration one shall provide power to a single
23 sensor, configuration two shall provide power from two to four sensors.
24

25 **Detector Rack Power Supply**

26 The detector rack power supply shall be 24 volt DC and supply power to the detector
27 rack and connected controller interface cards. The detector rack power supply shall be
28 standard 170, 2070, TS-1 and TS-2 configuration.
29

30 **9-29.19 Pedestrian Push Buttons**

31 *This section is supplemented with the following:*
32

33 Pushbuttons shall be steel with a directional vibro-tactile arrow. Push buttons shall be
34 fully voice messaging APS compliant and fully programmable/customizable by the end
35 user. Pushbuttons shall be provided to the City for programming/messaging 2 weeks
36 prior to installation.
37

38 The sign shall be in conformance with MUTCD R10-3b.
39

40 The unit shall be black. The assembly shall include the cabinet control unit if applicable
41 to the brand selected. A 4" pole adapter shall be included for locations where two
42 pushbuttons are mounted to the same 4" pole.
43

44 If additional conduit pathways are required between the pushbutton and the pedestrian
45 head, due to the contractor's selection of pedestrian push button manufacturers, the
46 Contractor shall submit a revised design with the submittal of the push button material.
47 The design shall be stamped and signed by a licensed professional engineer. Required
48 additional pathways shall be provided at no additional cost to the City.
49

50 **9-29.20 Pedestrian Signals**

51 *This section is supplemented with the following:*
52

53 All pedestrian signals housings shall be die-cast aluminum.

1
2 *The Vacant Section 9-29.22 is replaced with the following:*

3
4 **9-29.22 Preemption Hardware**

5
6 Preemption Hardware shall be Opticom TM Model 721 unless otherwise specified.

7
8 **9-29.24 Service Cabinets**

9 *This section is supplemented with the following:*

10
11 Service cabinets shall be pole mounted, exterior NEMA 3R Rated with a bolt on HUB for
12 top entry. Cabinet shall be a maximum 10 inches wide, 14 inches high, and 5 inches
13 deep.

14
15 Load Center shall have between 100 and 150 Amps, with capacity for 6 spaces and 12
16 circuits, or 8 spaces and 16 circuits as required by Code.

17
18 Service panels shall be one of the following brands/series

- 19 1. Square D – QO Series
- 20 2. Siemens – Type BL
- 21 3. Eaton/Cutler Hammer – Quick Lag Type BA
- 22 4. Engineer Approved Equal

23
24 **9-29.24(2) Electrical Circuit Breakers and Contactors**

25 *The first paragraph is supplemented with the following:*

26
27 Mercury relays shall not be accepted. Contactors shall be one of the following brands

- 28 1. Square D
- 29 2. Siemens
- 30 3. Eaton/Cutler Hammer
- 31 4. Engineer Approved Equal

32
33 *The second paragraph is deleted.*

34
35 *The third sentence of the third paragraph is deleted.*

36
37 *The third paragraph is supplemented with the following:*

38
39 All service panel breakers shall be one of the following brands/series

- 40 1. Square D – QO Series
- 41 2. Siemens – Type BL
- 42 3. Eaton/Cutler Hammer – Quick Lag Type BA
- 43 4. Engineer approved Equal

44
45 All surface mount breakers shall be one of the following Brands/Series:

- 46 1. Square D (Type QOU)
- 47 2. Siemens
- 48 3. Eaton/Cutler Hammer
- 49 4. General Electric
- 50 5. Engineer approved Equal

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END OF SECTION

1 (January 9, 2023)

2 **Standard Plans**

3 The State of Washington Standard Plans for Road, Bridge and Municipal Construction
4 M21-01, 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
10 table): The RISER RING detail is deleted from the plan.

11
12 INSTALLATION detail, SECTION A: The "1/4"" callout is revised to read "+/- 1/4"
13 (SEE 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
26 PAY LIMIT" is revised to read; "BEAM GUARDRAIL ANCHOR TYPE 11 PAY
27 LIMIT"

28
29 C-23.60

30 DELETED

31
32 C-23.70

33 Sheet 1, Detail A, callout, was – "EIGHT 5/8" x 1/2" (IN) BOLTS W/ HEX NUTS
34 AND WASHERS (SEE NOTE 5)"is revised to read: "EIGHT 5/8" x 1-1/2" (IN)
35 BOLTS W/ HEX NUTS AND WASHERS (SEE NOTE 5)".

36 Sheet 2, ANCHOR RAIL ELEMENT DETAIL and associated Enlarged Detail,
37 3/4" Diameter hole pattern (8 holes), callout, "3/4" DIAMETER HOLE (TYP.)" is
38 revised to read: "29/32" x 1 1/8" (IN) SLOT (TYP.)"

39
40 D-2.04

41 DELETED

42
43 D-2.06

44 DELETED

45
46 D-2.08

47 DELETED

48
49 D-2.32

50 DELETED

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52 D-2.34

53 DELETED

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D-2.60
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D-2.62
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D-2.66
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D-2.68
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D-2.80
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D-2.88
DELETED

D-3.15
DELETED

D-3.16
DELETED

D-3.17
DELETED

D-3.10
Sheet 1, Typical Section, callout – “FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.15” is revised to read; “FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER, SEE CONTRACT PLANS”
Sheet 1, Typical Section, callout – “FOR WALLS WITH F-SHAPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.16” is revised to read; “FOR WALLS WITH F-SHAPE TRAFFIC BARRIER, SEE CONTRACT PLANS”
D-3.11
Sheet 1, Typical Section, callout – “B” BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16” is revised to read; “B” BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)
Sheet 1, Typical Section, callout – “TYPICAL BARRIER ON BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16” is revised to read; “TYPICAL BARRIER ON BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

1 D-10.10

2 Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls
3 with traffic barriers attached on top of the wall are considered non-standard and
4 shall be designed in accordance with the current WSDOT Bridge Design Manual
5 (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.
6

7 D-10.15

8 Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls
9 with traffic barriers attached on top of the wall are considered non-standard and
10 shall be designed in accordance with the current WSDOT BDM and the revisions
11 stated in the 11/3/15 Bridge Design memorandum.
12

13 D-10.30

14 Wall Type 5 may be used in all cases.
15

16 D-10.35

17 Wall Type 6 may be used in all cases.
18

19 D-10.40

20 Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls
21 with traffic barriers attached on top of the wall are considered non-standard and
22 shall be designed in accordance with the current WSDOT BDM and the revisions
23 stated in the 11/3/15 Bridge Design memorandum.
24

25 D-10.45

26 Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls
27 with traffic barriers attached on top of the wall are considered non-standard and
28 shall be designed in accordance with the current WSDOT BDM and the revisions
29 stated in the revisions stated in the 11/3/15 Bridge Design memorandum.
30

31 D-15.10

32 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining
33 Walls" are withdrawn. Special designs in accordance with the current WSDOT
34 BDM are required in place of these STD Plans.
35

36 D-15.20

37 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining
38 Walls" are withdrawn. Special designs in accordance with the current WSDOT
39 BDM are required in place of these STD Plans.
40

41 D-15.30

42 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining
43 Walls" are withdrawn. Special designs in accordance with the current WSDOT
44 BDM are required in place of these STD Plans.
45

46 F-10.18

47 Note 2, "Region Traffic engineer approval is needed to install a truck apron lower
48 than 3". – DELETED
49

50 J-10.10

51 Sheet 4 of 6, "Foundation Size Reference Table", PAD WIDTH column, Type
52 33xD=6' – 3" is revised to read: 7' – 3". Type 342LX / NEMA P44=5' – 10" is
53 revised to read: 6' – 10" Sheet 5 of 6, Plan View, "FOR EXAMPLE PAD SHOWN

1 HERE:, “first bullet” item, “-SPACE BETWEEN TYPE B MOD. CABINET AND
2 33x CABINET IS 6” (IN)” IS REVISED TO READ: “SPACE BETWEEN TYPE B
3 MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6”
4 (IN) (CHANNEL STEEL ADDS ABOUT 5” (IN)”

5
6 J-10.16

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

8
9 J-10.17

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

11
12 J-10.18

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

14
15 J-20.10

16 Elevation View, horizontal dimension to edge of sidewalk 10” (IN) OR LESS
17 DESIRABLE ~ 18” (IN) MAXIMUM is revised to read: “10” (IN) MAXIMUM”

18
19 J-20.26

20 Add Note 1, “1. One accessible pedestrian pushbutton station per pedestrian
21 pushbutton post.”

22
23 J-20.16

24 View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

25
26 J-21.10

27 Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – “ANCHOR
28 BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY”
29 IS REVISED TO READ: “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~
30 FOUR REQ'D. PER ASSEMBLY”

31 Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from
32 the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR..

33 Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the
34 bottom of the foundation to find 2 # 4 reinf. Bar.

35 Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from
36 the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR.

37 Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the
38 bottom of the foundation to find 1 # 4 reinf. Bar.

39 Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from
40 the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR.

41 Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the
42 bottom of the foundation to find 2 # 4 reinf. Bar.

43 Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from
44 the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR.

45 Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the
46 bottom of the foundation to find 1 # 4 reinf. Bar.

47 Detail F, callout, “Heavy Hex Clamping Bolt (TYP.) ~ ¾” (IN) Diam. Torque
48 Clamping Bolts (see Note 3)” is revised to read; “Heavy Hex Clamping Bolt
49 (TYP.) ~ ¾” (IN) Diam. Torque Clamping Bolts (see Note 1)”

50 Detail F, callout, “¾” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Four Required (See
51 Note 4)” is revised to read; “¾” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Three
52 Required (See Note 2)”

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J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½” DIAM., is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-21.16

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4’ - 6” is revised to read; 6’-0” (2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½” DIAM. is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-40.10

Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-40.36

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

J-40.37

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

J-75.20

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

J-75.41

DELETED

J-75.55

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

K-80.20

DELETED

L-5.10

Sheet 2, Typical Elevation, callout - “2’ – 0” MIN. LAP SPLICE BETWEEN (mark) A #3 BAR AND WALL REINFORCEMENT ~ TYPICAL” is revised to read: “2’ – 0” MIN. LAP SPLICE BETWEEN (MARK) A #4 BAR AND WALL REINFORCEMENT ~ TYPICAL”

Section C, callout; “(mark) A #3” is revised to read: “(mark) A #4”, callout - “(mark) B #3” is revised to read: “(mark) B #4”, callout - “(mark) C #3 TIE” is revised to read: “(mark) C #4 TIE”

1 Reinforcing Steel Bending Diagram, (mark) B detail, callout – “128 deg.” is
 2 revised to read: “123 deg.”, callout – “51 deg.” is revised to read: “57 deg.”
 3

4 The following are the Standard Plan numbers applicable at the time this project
 5 was advertised. The date shown with each plan number is the publication
 6 approval date shown in the lower right-hand corner of that plan. Standard Plans
 7 showing different dates shall not be used in this contract.
 8

9	A-10.10-00.....8/7/07	A-30.35-00.....10/12/07	A-50.10-01.....8/17/21
10	A-10.20-00.....10/5/07	A-40.00-01.....7/6/22	A-50.40-01.....8/17/21
11	A-10.30-00.....10/5/07	A-40.10-04.....7/31/19	A-60.10-03.....12/23/14
12	A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.20-03.....12/23/14
13	A-30.10-00.....11/8/07	A-40.20-04.....1/18/17	A-60.30-01.....6/28/18
14	A-30.30-01.....6/16/11	A-40.50-02.....12/23/14	A-60.40-00.....8/31/07
15			
16	B-5.20-03.....9/9/20	B-30.50-03.....2/27/18	B-75.20-03.....8/17/21
17	B-5.40-02.....1/26/17	B-30.60-00.....9/9/20	B-75.50-02.....3/15/22
18	B-5.60-02.....1/26/17	B-30.70-04.....2/27/18	B-75.60-00.....6/8/06
19	B-10.20-02.....3/2/18	B-30.80-01.....2/27/18	B-80.20-00.....6/8/06
20	B-10.40-02.....8/17/21	B-30.90-02.....1/26/17	B-80.40-00.....6/1/06
21	B-10.70-02.....8/17/21	B-35.20-00.....6/8/06	B-85.10-01.....6/10/08
22	B-15.20-01.....2/7/12	B-35.40-00.....6/8/06	B-85.20-00.....6/1/06
23	B-15.40-01.....2/7/12	B-40.20-00.....6/1/06	B-85.30-00.....6/1/06
24	B-15.60-02.....1/26/17	B-40.40-02.....1/26/17	B-85.40-00.....6/8/06
25	B-20.20-02.....3/16/12	B-45.20-01.....7/11/17	B-85.50-01.....6/10/08
26	B-20.40-04.....2/27/18	B-45.40-01.....7/21/17	B-90.10-00.....6/8/06
27	B-20.60-03.....3/15/12	B-50.20-00.....6/1/06	B-90.20-00.....6/8/06
28	B-25.20-02.....2/27/18	B-55.20-03.....8/17/21	B-90.30-00.....6/8/06
29	B-25.60-02.....2/27/18	B-60.20-02.....9/9/20	B-90.40-01.....1/26/17
30	B-30.05-00.....9/9/20	B-60.40-01.....2/27/18	B-90.50-00.....6/8/06
31	B-30.10-03.....2/27/18	B-65.20-01.....4/26/12	B-95.20-02.....8/17/21
32	B-30.15-00.....2/27/18	B-65.40-00.....6/1/06	B-95.40-01.....6/28/18
33	B-30.20-04.....2/27/18	B-70.20-01.....3/15/22	
34	B-30.30-03.....2/27/18	B-70.60-01.....1/26/17	
35	B-30.40-03.....2/27/18		
36			
37	C-1.....9/8/22	C-22.40-09.....9/8/22	C-60.70-01.....9/8/22
38	C-1b.....9/8/22	C-22.45-06.....9/8/22	C-60.80-01.....9/8/22
39	C-1d.....10/31/03	C-23.70-00.....8/22/22	C-70.15-00.....8/17/21
40	C-2c.....8/12/19	C-24.10-03.....7/24/22	C-70.10-03.....8/20/21
41	C-4f.....8/12/19	C-24.15-00.....3/15/22	C-75.10-02.....9/16/20
42	C-6a.....9/8/22	C-25.20-07.....8/20/21	C-75.20-03.....8/20/21
43	C-7.....9/8/22	C-25.22-06.....8/20/21	C-75.30-03.....8/20/21
44	C-7a.....9/8/22	C-25.26-05.....8/20/21	C-80.10-02.....9/16/20
45	C-20.10-08.....9/8/22	C-25.30-01.....8/20/21	C-80.20-01.....6/11/14
46	C-20.14-05.....9/8/22	C-25.80-05.....8/12/19	C-80.30-02.....8/20/21
47	C-20.15-02.....6/11/14	C-60.10-02.....9/8/22	C-80.40-01.....6/11/14
48	C-20.18-04.....9/8/22	C-60.15-00.....8/17/21	C-85.10-00.....4/8/12
49	C-20.40-09.....9/8/22	C-60.20-01.....9/8/22	C-85.11-01.....9/16/20
50	C-20.41-04.....8/22/22	C-60.30-01.....8/17/21	C-85.15-02.....8/27/21
51	C-20.42-05.....7/14/15	C-60.40-00.....8/17/21	C-85-18-03.....9/8/22
52	C-20.43-00.....8/22/22	C-60.45-00.....8/17/21	
53	C-20.45.03.....9/8/22	C-60.50-00.....8/17/21	

1	C-22.16-07.....9/16/20	C-60.60-00.....8/17/21	
2			
3	D-2.36-03.....6/11/14	D-4.....12/11/98	D-10.35-00.....7/8/08
4	D-2.46-02.....8/13/21	D-6.....6/19/98	D-10.40-01.....12/2/08
5	D-2.84-00.....11/10/05	D-10.10-01.....12/2/08	D-10.45-01.....12/2/08
6	D-2.92-01.....4/26/22	D-10.15-01.....12/2/08	
7	D-3.09-00.....5/17/12	D-10.20-01.....8/7/19	
8	D-3.10-01.....5/29/13	D-10.25-01.....8/7/19	
9	D-3.11-03.....6/11/14	D-10.30-00.....7/8/08	
10			
11	E-1.....2/21/07	E-4.....8/27/03	
12	E-2.....5/29/98	E-4a.....8/27/03	
13			
14	F-10.12-04.....9/24/20	F-10.62-02.....4/22/14	F-40.15-04.....9/25/20
15	F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-03.....6/29/16
16	F-10.18-03.....3/28/22	F-30.10-04.....9/25/20	F-45.10-03.....8/13/21
17	F-10.40-04.....9/24/20	F-40.12-03.....6/29/16	F-80.10-04.....7/15/16
18	F-10.42-00.....1/23/07	F-40.14-03.....6/29/16	
19			
20	G-10.10-00.....9/20/07	G-26.10-00.....7/31/19	
21	G-20.10-03.....8/20/21	G-30.10-04.....6/23/15	
22	G-22.10-04.....6/28/18	G-50.10-03.....6/28/18	
23	G-24.10-00.....11/8/07	G-90.10-03.....7/11/17	
24	G-24.20-01.....2/7/12	G-90.20-05.....7/11/17	
25	G-24.30-02.....6/28/18	G-90.30-04.....7/11/17	
26	G-24.40-07.....6/28/18	G-95.10-02.....6/28/18	
27	G-24.50-05.....8/7/19	G-95.20-03.....6/28/18	
28	G-24.60-05.....6/28/18	G-95.30-03.....6/28/18	
29	G-25.10-05.....9/16/20		
30			
31	H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-02.....8/17/21
32	H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-02.....8/17/21
33	H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	
34			
35	I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
36	I-30.10-02.....3/22/13	I-30.30-02.....6/12/19	I-50.20-02.....7/6/22
37	I-30.15-02.....3/22/13	I-30.40-02.....6/12/19	I-60.10-01.....6/10/13
38	I-30.16-01.....7/11/19	I-30.60-02.....6/12/19	I-60.20-01.....6/10/13
39	I-30.17-01.....6/12/19	I-40.10-00.....9/20/07	I-80.10-02.....7/15/16
40			
41	J-05.50-00.....8/30/22	J-28.10-02.....8/7/19	J-50.25-00.....6/3/11
42	J-10.....7/18/97	J-28.22-00.....8/07/07	J-50.30-00.....6/3/11
43	J-10.10-04.....9/16/20	J-28.24-02.....9/16/20	J-60.05-01.....7/21/16
44	J-10.12-00.....9/16/20	J-28.26-01.....12/02/08	J-60.11-00.....5/20/13
45	J-10.14-00.....9/16/20	J-28.30-03.....6/11/14	J-60.12-00.....5/20/13
46	J-10.15-01.....6/11/14	J-28.40-02.....6/11/14	J-60.13-00.....6/16/10
47	J-10.16-02.....8/18/21	J-28.42-01.....6/11/14	J-60.14-01.....7/31/19
48	J-10.17-02.....8/18/21	J-28.43-01.....6/28/18	J-75.10-02.....7/10/15
49	J-10.18-02.....8/18/21	J-28.45-03.....7/21/16	J-75.20-01.....7/10/15
50	J-10.20-04.....8/18/21	J-28.50-03.....7/21/16	J-75.30-02.....7/10/15
51	J-10.21-02.....8/18/21	J-28.60-03.....8/27/21	J-75.50-00.....8/30/22
52	J-10.22-02.....8/18/21	J-28.70-04.....8/30/22	J-75.55-00.....8/30/22
53	J-10.25-00.....7/11/17	J-29.10-02.....8/26/22	J-80.05-00.....8/30/22

1	J-10.26-00.....8/30/22	J-29.15-01.....7/21/16	J-80.10-01.....8/18/21
2	J-12.15-00.....6/28/18	J-29.16-02.....7/21/16	J-80.12-00.....8/18/21
3	J-12.16-00.....6/28/18	J-30.10-01.....8/26/22	J-80.15-00.....6/28/18
4	J-15.10-01.....6/11/14	J-40.01-00.....8/30/22	J-81.10-02.....8/18/21
5	J-15.15-02.....7/10/15	J-40.05-00.....7/21/16	J-81.12-00.....9/3/21
6	J-20.01-00.....8/30/22	J-40.10-04.....4/28/16	J-84.05-00.....8/30/22
7	J-20.10-04.....7/31/19	J-40.20-03.....4/28/16	J-86.10-00.....6/28/18
8	J-20.11-03.....7/31/19	J-40.30-04.....4/28/16	J-90.10-03.....6/28/18
9	J-20.15-03.....6/30/14	J-40.35-01.....5/29/13	J-90.20-03.....6/28/18
10	J-20.16-02.....6/30/14	J-40.36-02.....7/21/17	J-90.21-02.....6/28/18
11	J-20.20-02.....5/20/13	J-40.37-02.....7/21/17	J-90.50-00.....6/28/18
12	J-20.26-01.....7/12/12	J-40.38-01.....5/20/13	
13	J-21.10-04.....6/30/14	J-40.39-00.....5/20/13	
14	J-21.15-01.....6/10/13	J-40.40-02.....7/31/19	
15	J-21.16-01.....6/10/13	J-45.36-00.....7/21/17	
16	J-21.17-01.....6/10/13	J-50.05-00.....7/21/17	
17	J-21.20-01.....6/10/13	J-50.10-01.....7/31/19	
18	J-22.15-02.....7/10/15	J-50.11-02.....7/31/19	
19	J-22.16-03.....7/10/15	J-50.12-02.....8/7/19	
20	J-26.10-03.....7/21/16	J-50.13-01.....8/30/22	
21	J-26.15-01.....5/17/12	J-50.15-01.....7/21/17	
22	J-26.20-01.....6/28/18	J-50.16-01.....3/22/13	
23	J-27.10-01.....7/21/16	J-50.18-00.....8/7/19	
24	J-27.15-00.....3/15/12	J-50.19-00.....8/7/19	
25	J-28.01-00.....8/30/22	J-50.20-00.....6/3/11	
26			
27	K-70.20-01.....6/1/16	K-80.32-00.....8/17/21	K-80.35-01.....9/16/20
28	K-80.10-02.....9/25/20	K-80.34-00.....8/17/21	K-80.37-01.....9/16/20
29			
30	L-5.10-00.....9/19/22	L-20.10-03.....7/14/15	L-40.20-02.....6/21/12
31	L-5.15-00.....9/19/22	L-30.10-02.....6/11/14	L-70.10-01.....5/21/08
32	L-10.10-02.....6/21/12	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
33			
34	M-1.20-04.....9/25/20	M-11.10-04.....8/2/22	M-40.20-00.....10/12/07
35	M-1.40-03.....9/25/20	M-12.10-03.....8/2/22	M-40.30-01.....7/11/17
36	M-1.60-03.....9/25/20	M-15.10-01.....2/6/07	M-40.40-00.....9/20/07
37	M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.50-00.....9/20/07
38	M-2.20-03.....7/10/15	M-20.10-04.....8/2/22	M-40.60-00.....9/20/07
39	M-2.21-00.....7/10/15	M-20.20-02.....4/20/15	M-60.10-01.....6/3/11
40	M-3.10-04.....9/25/20	M-20.30-04.....2/29/16	M-60.20-03.....8/17/21
41	M-3.20-04.....8/2/22	M-20.40-03.....6/24/14	M-65.10-03.....8/17/21
42	M-3.30-04.....9/25/20	M-20.50-02.....6/3/11	M-80.10-01.....6/3/11
43	M-3.40-04.....9/25/20	M-24.20-02.....4/20/15	M-80.20-00.....6/10/08
44	M-3.50-03.....9/25/20	M-24.40-02.....4/20/15	M-80.30-00.....6/10/08
45	M-5.10-03.....9/25/20	M-24.60-04.....6/24/14	
46	M-7.50-01.....1/30/07	M-24.65-00.....7/11/17	
47	M-9.50-02.....6/24/14	M-24.66-00.....7/11/17	
48	M-9.60-00.....2/10/09	M-40.10-03.....6/24/14	
49			
50			
51			
52			
53			

END OF SECTION

1
2

END OF SPECIAL PROVISIONS

PART IV

FEDERAL WAGE RATES

"General Decision Number: WA20230001 12/22/2023
 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).

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: 	. 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.
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: 	. 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.

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
6	11/24/2023
7	12/22/2023

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
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

 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 PILEDRIVERS

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 WAHKIAKUM 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 WAHIAKUM 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 Plant 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); Gunite (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 07/01/2023

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 35.45	14.92
Spray and Sandblasting.....	\$ 35.45	14.92

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 06/01/2023

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.....	\$ 38.05	16.89

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 06/01/2023

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.....	\$ 52.10	20.27
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 52.60	20.27
TROWELING MACHINE OPERATOR ON COMPOSITION.....	\$ 52.60	20.27

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.
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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

"

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: 12/26/2023

<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	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$85.66	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	\$84.77	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom.	\$86.48	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$80.33	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$79.01	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	\$83.20	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	\$82.56	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$79.62	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Welder	\$83.95	7A	11H	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$75.57	15J	3K	8X	View
Pierce	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$79.62	15J	3K	8X	View
Pierce	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$57.22	5A	4A		View
Pierce	Power Line Clearance Tree Trimmers	Spray Person	\$54.32	5A	4A		View
Pierce	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$57.22	5A	4A		View
Pierce	Power Line Clearance Tree Trimmers	Tree Trimmer	\$51.18	5A	4A		View
Pierce	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$38.99	5A	4A		View
Pierce	Refrigeration & Air Conditioning Mechanics	Journey Level	\$87.46	5A	1G		View
Pierce	Residential Brick Mason	Journey Level	\$27.02		1		View
Pierce	Residential Carpenters	Journey Level	\$49.93	15J	4C		View
Pierce	Residential Cement Masons	Journey Level	\$45.99		1		View
Pierce	Residential Drywall Applicators	Journey Level	\$74.96	15J	4C		View
Pierce	Residential Drywall Tapers	Journey Level	\$74.50	5P	1E		View
Pierce	Residential Electricians	Journey Level	\$44.11		1		View
Pierce	Residential Glaziers	Journey Level	\$79.16	7L	1Y		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	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Machinist	\$51.85	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	7Y	4K		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Painter	\$51.95	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$51.85	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Rigger	\$51.85	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$51.85	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Shipwright	\$51.85	7X	4J		View
Pierce	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	7Y	4K		View
Pierce	Sign Makers & Installers (Electrical)	Sign Installer	\$26.17		1		View
Pierce	Sign Makers & Installers (Electrical)	Sign Maker	\$20.33		1		View
Pierce	Sign Makers & Installers (Non-Electrical)	Sign Installer	\$33.43		1		View
Pierce	Sign Makers & Installers (Non-Electrical)	Sign Maker	\$22.79		1		View
Pierce	Soft Floor Layers	Journey Level	\$66.32	15J	4C		View
Pierce	Solar Controls For Windows	Journey Level	\$15.74		1		View
Pierce	Sprinkler Fitters (Fire Protection)	Journey Level	\$93.99	5C	1X		View
Pierce	Stage Rigging Mechanics (Non Structural)	Journey Level	\$15.74		1		View
Pierce	Stone Masons	Journey Level	\$69.07	7E	1N		View
Pierce	Street And Parking Lot Sweeper Workers	Journey Level	\$21.69		1		View
Pierce	Surveyors	Assistant Construction Site Surveyor	\$82.56	7A	11H	8X	View
Pierce	Surveyors	Chainman	\$78.95	7A	11H	8X	View
Pierce	Surveyors	Construction Site Surveyor	\$83.95	7A	11H	8X	View
Pierce	Surveyors	Drone Operator (when used in conjunction with surveying work only)	\$78.95	7A	11H	8X	View
Pierce	Surveyors	Ground Penetrating Radar	\$78.95	7A	11H	8X	View
Pierce	Telecommunication Technicians	Journey Level	\$53.46	6Z	1B		View
Pierce	Telephone Line Construction - Outside	Cable Splicer	\$40.11	5A	2B		View
Pierce	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$26.67	5A	2B		View
Pierce	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$33.49	5A	2B		View
Pierce	Telephone Line Construction - Outside	Telephone Lineperson	\$37.90	5A	2B		View
Pierce	Terrazzo Workers	Journey Level	\$62.36	7E	1N		View
Pierce	Tile Setters	Journey Level	\$62.36	7E	1N		View
Pierce	Tile, Marble & Terrazzo Finishers	Finisher	\$53.19	7E	1N		View
Pierce	Traffic Control Stripers	Journey Level	\$89.54	15L	1K		View
Pierce	Truck Drivers	Asphalt Mix Over 16 Yards	\$74.95	15J	11M	8L	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

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.

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.]



CITY OF TACOMA INSURANCE REQUIREMENTS FOR CONTRACTS

This Insurance Requirements shall serve as an attachment and/or exhibit form to the Contract. The Agency entering a Contract with City of Tacoma, whether designated as a Supplier, Contractor, Vendor, Proposer, Bidder, Respondent, Seller, Merchant, Service Provider, or otherwise referred to as "Contractor".

1. GENERAL REQUIREMENTS

The following General Requirements apply to Contractor and to Subcontractor(s) performing services and/or activities pursuant to the terms of this Contract. Contractor acknowledges and agrees to the following insurance requirements:

- 1.1. Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the City of Tacoma.
- 1.2. Contractor shall keep in force during the entire term of the Contract, at no expense to the City of Tacoma, the insurance coverage and limits of liability listed below and for Thirty (30) calendar days after completion of all work required by the Contract, unless otherwise provided herein.
- 1.3. Liability insurance policies, except for Professional Liability and Workers' Compensation, shall:
 - 1.3.1. Name the City of Tacoma and its officers, elected officials, employees, and agents as **additional insured**
 - 1.3.2. Be considered primary and non-contributory for all claims with any insurance or self-insurance or limits of liability maintained by the City of Tacoma
 - 1.3.3. Contain a "Waiver of Subrogation" clause in favor of City of Tacoma
 - 1.3.4. Include a "Separation of Insureds" clause that applies coverage separately to each insured and additional insured
 - 1.3.5. Name the "City of Tacoma" on certificates of insurance and endorsements and not a specific person or department
 - 1.3.6. Be for both ongoing and completed operations using Insurance Services Office (ISO) form CG 20 10 04 13 and CG 20 37 04 13 or the equivalent
 - 1.3.7. Be satisfied by a single primary limit or by a combination of a primary policy and a separate excess umbrella
- 1.4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements below. Verification of coverage shall include:
 - 1.4.1. An ACORD certificate or equivalent
 - 1.4.2. Copies of requested endorsements
- 1.5. Contractor shall provide to City of Tacoma Procurement & Payable Division, prior to the execution of the Contract, Certificate(s) of Insurance and endorsements from the insurer certifying the coverage of all insurance required herein. Contract or Permit number and the City of Tacoma Department must be shown on the Certificate of Insurance.
- 1.6. A renewal Certificate of Insurance shall be provided electronically prior to coverage



CITY OF TACOMA INSURANCE REQUIREMENTS FOR CONTRACTS

expiration via email sent annually to coi@cityoftacoma.org.

- 1.7. Contractor shall send a notice of cancellation or non-renewal of this required insurance within Thirty (30) calendar days to coi@cityoftacoma.org.
- 1.8. "Claims-Made" coverages, except for pollution coverage, shall be maintained for a minimum of three years following the expiration or earlier termination of the Contract. Pollution coverage shall be maintained for six years following the expiration of the Contract. The retroactive date shall be prior to or coincident with the effective date of the Contract.
- 1.9. Each insurance policy must be written by companies licensed or authorized (or issued as surplus line by Washington surplus line broker) in the State of Washington pursuant to RCW 48 with an (A-) VII or higher in the A.M. Best key rating guide.
- 1.10. Contractor shall not allow any insurance to be cancelled, voided, suspended, or reduced in coverage/limits, or lapse during any term of this Contract. Otherwise, it shall constitute a material breach of the Contract.
- 1.11. Contractor shall be responsible for the payment of all premiums, deductibles and self-insured retentions, and shall indemnify and hold the City of Tacoma harmless to the extent such a deductible or self-insured retained limit may apply to the City of Tacoma as an additional insured. Any deductible or self-insured retained limits in excess of Twenty Five Thousand Dollars (\$25,000) must be disclosed and approved by City of Tacoma Risk Manager and shown on the Certificate of Insurance.
- 1.12. City of Tacoma reserves the right to review insurance requirements during any term of the Contract and to require that Contractor make reasonable adjustments when the scope of services changes.
- 1.13. All costs for insurance are included in the initial Contract and no additional payment will be made by City of Tacoma to Contractor.
- 1.14. Insurance coverages specified in this Contract are not intended and will not be interpreted to limit the responsibility or liability of Contractor or Subcontractor(s).
- 1.15. Failure by City of Tacoma to identify a deficiency in the insurance documentation or to verify coverage or compliance by Contractor with these insurance requirements shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- 1.16. If Contractor is a government agency or self-insured for any of the above insurance requirements, Contractor shall be liable for any self-insured retention or deductible portion of any claim for which insurance is required. A certification of self-insurance shall be attached and incorporated by reference and shall constitute compliance with this Section.

2. SUBCONTRACTORS



CITY OF TACOMA

INSURANCE REQUIREMENTS FOR CONTRACTS

It is Contractor's responsibility to ensure that each subcontractor obtain and maintain adequate liability insurance coverage that applies to the service provided. Contractor shall provide evidence of such insurance upon City of Tacoma's request. Failure of any subcontractor to comply with insurance requirements does not limit Contractor's liability or responsibility.

3. REQUIRED INSURANCE AND LIMITS

The insurance policies shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve Contractor from liability in excess of such limits.

3.1 Commercial General Liability Insurance

Contractor shall maintain Commercial General Liability Insurance policy with limits not less than One Million Dollars (\$1,000,000) each occurrence and Two Million Dollars (\$2,000,000) annual aggregate. This policy shall be written on ISO form CG 00 01 04 13 or its equivalent and shall include product liability especially when a Contract is solely for purchasing supplies. It includes Products and Completed Operations for three years following the completion of work related to performing construction services. It shall be endorsed to include: A per project aggregate policy limit (using ISO form CG 25 03 05 09 or equivalent endorsement) and/or Contractual Liability-Railroad using ISO form CG 24 17 10 01 or equivalent if Contractor is performing work within Fifty (50) feet of a City of Tacoma railroad right of way.

3.1.1

3.2 Commercial (Business) Automobile Liability Insurance

Contractor shall maintain Commercial Automobile Liability policy with limits not less than One Million Dollars (\$1,000,000) each accident for bodily injury and property damage and bodily injury and property damage coverage for owned (if any), non-owned, hired, or leased vehicles. Commercial Automobile Liability Insurance shall be written using ISO form CA 00 01 or equivalent. Contractor must also maintain MCS 90 and CA 99 48 endorsements or equivalent if "Pollutants" are to be transported unless in-transit Pollution coverage is covered under required Contractor's Pollution Liability Insurance.

3.3 Workers' Compensation

Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington, as well as any other similar coverage required for this work by applicable federal laws of other states. Contractor must comply with their domicile State Industrial Insurance laws if it is outside the State of Washington.

3.4 Employers' Liability Insurance

Contractor shall maintain Employers' Liability coverage with limits not less than One Million Dollars (\$1,000,000) each employee, One Million Dollars (\$1,000,000) each accident, and One Million Dollars (\$1,000,000) policy limit.

3.5 Professional Liability Insurance or Errors and Omissions

For contracts with professional licensing, design, or engineering services. Contractor and/or its subcontractor shall maintain Professional Liability or Errors and Omissions with limits of One Million Dollars (\$1,000,000) per claim and Two Million Dollars (\$2,000,000) in the aggregate covering acts, errors and omissions arising out of the professional services under this Contract. Contractor shall maintain this coverage for Two Million Dollars (\$2,000,000) if the policy limit includes the payment of claims or defense costs, from the policy limit. If the scope of such design-related professional services includes work related to pollution conditions, the



CITY OF TACOMA

INSURANCE REQUIREMENTS FOR CONTRACTS

Professional Liability policy shall include Pollution Liability coverage.

3.6 Excess or Umbrella Liability Insurance

Contractor shall provide Excess or Umbrella Liability Insurance with limits not less than Five Million Dollars (\$5,000,000) per occurrence and in the aggregate. This coverage shall apply, at a minimum, in excess of primary underlying Commercial General Liability, Employer's Liability, Pollution Liability, Marine General Liability, Protection and Indemnity, and Automobile Liability if required herein.

3.7 Pollution Liability Insurance

Contractor shall maintain Pollution Liability or Environmental Liability Insurance with limits not less than One Million Dollars (\$1,000,000) each occurrence and Two Million Dollars (\$2,000,000) in the aggregate. Coverage shall include investigation and defense costs for bodily injury and property damage, loss of use of damaged or destroyed property, Natural Resource Damage, and Hazardous Substance Removal. Such coverage shall provide both on-site and off-site cleanup costs, cover gradual and sudden pollution, and include in its scope of coverage the City of Tacoma damage claims for loss arising out of Contractor's work.

3.8 Railroad Protective Liability Insurance

Contractor shall maintain Railroad Protective Liability coverage with limits of Two Million Dollars (\$2,000,000) per occurrence and Six Million Dollars (\$6,000,000) in the aggregate during the term of the Contract if Contractor's work will involve working on, above, under or being within Fifty (50) feet of City of Tacoma railroad right of ways.

The policy must be issued on a standard ISO form CG 00 35 (04-13), or equivalent, with City of Tacoma as a named insured (not named as an additional insured) and shall include Limited Seepage, Pollution Endorsement and Evacuation Expense Coverage Endorsements.

3.9 Other Insurance

Other insurance may be deemed appropriate to cover risks and exposures related to the scope of work or changes to the scope of work required by City of Tacoma. The costs of such necessary and appropriate Insurance coverage shall be borne by Contractor.

3.10 Other Conditions

Contractor will be responsible to comply with all specific insurance requirements associated with any highway or rail crossings, e.g., Washington State Department of Transportation (WSDOT), Burlington Northern Santa Fe Railway (BNSF), and Union Pacific Railroad (UPRR).